

**ACADEMIC HEALTH CENTER
SHARED (AHS)**

2-565 Moos Tower, 515 Delaware Street SE
(MMC 502), East Bank Campus, Minneapolis,
MN, 55455
612/626-3700, <http://www.healthcareers.umn.edu>

1101 Orientation to Health Careers

(Credit will not be granted if credit has been received for: AHS 1102; OPN)

61900 001 LEC, 03:35pm-04:25pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Please note that this course does not require the purchase of a textbook or additional course materials.; 10 seats reserved for fr with no more than 30 cr; Simpson, Scott W, 1 cr

1102 Orientation to Health Careers

(Credit will not be granted if credit has been received for: AHS 1101; OPN)

17744 001 LEC, instruction mode: Correspondence; Please note that this course does not require the purchase of a textbook or additional course materials.; Simpson, Scott W, 1 cr

1600 The Future Physician I: Medicine in the 21st Century

(A-F)

19979 001 LEC, 03:35pm-04:25pm W, PWB 2-470, instruction mode: Classroom; Learn about the multidisciplinary field of medicine and the challenges shaping the work of health professionals in the healthcare field. Students will explore the history of medicine and health as well as gain an understanding of global health issues and healthcare systems. Finally, students will explore the relationships and roles of physicians, their team members, and the patient, and learn about the commitment needed to become a physician.; 200 seats reserved for FRFY - Freshman Full Yr Regist - EXPIRES 10-AUG-2015; Slattengren DO, Andrew Heslin; Todd, Tricia, 1 cr

1602 The Future Physician III: Experiences in Health

(prereq [1600 or 1601], instr consent)

19885 001 FWK, instruction mode: Correspondence; Permission number required.

2300 Orientation to Clinical Research

(A-F)

19405 001 LEC, 10:10am-12:05pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets in Moos T 2-565

2400 Writing a Personal Statement

(S-N)

24145 001 DIS, 02:30pm-03:20pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Course meets in classroom, inside HCC office - 2-565 Moos Tower. To request a permission number, contact the Health Careers Center at 612-624-6767.; Todd, Tricia; Hegre, Dana Mary, 1 cr

24510 002 DIS, 10:10am-11:00am Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Course meets in classroom, inside HCC office - 2-565 Moos Tower. To request a permission number, contact the Health Careers Center at 612-624-6767.; Todd, Tricia; Hegre, Dana Mary, 1 cr

4300 Directed Study

(max crs 6; prereq instr consent)

19907 001 IND, instruction mode: Independent/Directed Studies; 1-2 credits per Instructor permission only.; Todd, Tricia, 1-3 cr

21471 002 IND, instruction mode: Independent/Directed Studies; Independent Study. 1-2 credits per Instructor permission only.; Todd, Tricia, 1-3 cr

ACCOUNTING (Acct)

3-122 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-6506, <http://www.csom.umn.edu>

2050 Introduction to Financial Reporting

(Credit will not be granted if credit has been received for: APEC 1251; A-F only; prereq Soph)

17725 001 LEC, 08:00am-09:40am MW, HMH 1-106, instruction mode: Classroom; CSOM Students Only; 90 seats reserved for CSOM student, 4 cr

12837 002 LEC, 10:10am-11:50am MW, HMH 1-108, instruction mode: Classroom; Non-CSOM Students Only; 90 seats reserved for CSOM student, 4 cr

12838 003 LEC, 12:20pm-02:00pm MW, HMH 1-108, instruction mode: Classroom; non-CSOM Students Only; 65 seats reserved for non-CSOM student, 4 cr

12839 004 LEC, 02:30pm-04:10pm MW, HMH 1-108, instruction mode: Classroom; CSOM Students Only; 90 seats reserved for CSOM student, 4 cr

13415 005 LEC, 10:10am-11:50am TTh, HMH 1-108, instruction mode: Classroom; CSOM Students Only; 90 seats reserved for CSOM student, 4 cr

13416 006 LEC, 12:20pm-02:00pm TTh, HMH 1-108, instruction mode: Classroom; Non-CSOM Students Only; 65 seats reserved for non-CSOM student, 4 cr

14566 007 LEC, 02:30pm-04:10pm TTh, HMH 1-108, instruction mode: Classroom; CSOM Students Only; 90 seats reserved for CSOM student, 4 cr

19143 008 LEC, 10:10am-11:50am TTh, HMH 1-105, instruction mode: Classroom; non-CSOM Students Only; 65 seats reserved for non-CSOM student, 4 cr

20503 009 LEC, 08:00am-09:40am TTh, HMH 1-108, instruction mode: Classroom; non-CSOM Students Only; 120 seats reserved for non-CSOM student, 4 cr

31328 010 LEC, 08:00am-09:40am MW, HMH 1-104, instruction mode: Classroom; 120 seats reserved for non-CSOM student, 4 cr

13417 1020 LEC, 05:45pm-09:05pm W, HMH 1-108, instruction mode: Classroom; Non-CSOM Students Only; 120 seats reserved for non-CSOM student, 4 cr

2050H Honors: Introduction to Financial Reporting

(A-F only; meets HON req of Honors)

18890 001 LEC, 10:10am-11:50am MW, HMH 1-107, instruction mode: Classroom, 4 cr

3001 Introduction to Management

Accounting

(A-F only; prereq 2050)

23669 001 LEC, 09:45am-11:00am MW, HMH 1-106, instruction mode: Classroom, 3 cr

12840 002 LEC, 02:30pm-03:45pm MW, HMH 1-106, instruction mode: Classroom, 3 cr

12841 003 LEC, 04:00pm-05:15pm MW, HMH 1-102, instruction mode: Classroom, 3 cr

20325 004 LEC, 09:45am-11:00am TTh, HMH 1-102, instruction mode: Classroom, 3 cr

12842 1020 LEC, 05:45pm-08:15pm T, HMH 1-102, instruction mode: Classroom, 3 cr

3150 Role of the Accountant in Today's Finance Function

(S-N; prereq 2050, [accounting major or accounting certificate student])

22690 001 LEC, 12:20pm-02:00pm M, HMH 1-105, 09/08/15-10/26/15, instruction mode: Classroom, 1 cr

25037 002 LEC, 02:30pm-04:10pm T, HMH 1-107, 10/27/15-12/16/15, instruction mode: Classroom, 1 cr

3199 Internship in Public Accounting

(S-N only; prereq 5125, instr consent)

13310 001 FWK, instruction mode: Classroom, 2 cr

3201 Intermediate Management Accounting

(A-F only; prereq 3001, acct or finance major)

17048 001 LEC, 12:20pm-02:00pm TTh, HMH 1-105, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

22149 002 LEC, 12:20pm-02:00pm TTh, HMH 1-105, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

3299 Internship in Management Accounting

(S-N only; prereq Acct 3201, instr consent)

13311 001 FWK, instruction mode: Classroom, 2 cr

5101 Intermediate Accounting I

(A-F only; prereq Grade of at least B- in 2050, mgmt major or mgmt grad student, accounting certificate, select non mgmt students)

12966 001 LEC, 09:55am-11:35am MW, CarlSMgmt 2-224, instruction mode: Classroom, 4 cr

12967 002 LEC, 01:45pm-03:25pm MW, CarlSMgmt 2-224, instruction mode: Classroom, 4 cr

19621 003 LEC, 03:45pm-05:25pm MW, CarlSMgmt 2-224, instruction mode: Classroom, 4 cr

19622 004 LEC, 09:55am-11:35am TTh, CarlSMgmt 2-224, instruction mode: Classroom, 4 cr

20326 005 LEC, 03:45pm-05:25pm TTh, CarlSMgmt 2-224, instruction mode: Classroom, 4 cr

16045 1020 LEC, 05:45pm-09:05pm T, CarlSMgmt 1-123, instruction mode: Classroom, 4 cr

5102W Intermediate Accounting II

(A-F only; prereq 5101 [mgmt or grad mgmt student]; meets CLE req of Writing Intensive)

12968 001 LEC, 03:45pm-05:25pm MW, CarlSMgmt L-114, instruction mode: Classroom, 4 cr

22509 002 LEC, 09:55am-11:35am MW, CarlSMgmt L-122, instruction mode: Classroom, 4 cr

15527 1020 LEC, 05:45pm-09:05pm Th, CarlSMgmt 1-132, instruction mode: Classroom, 4 cr

5125 Auditing Principles and Procedures

(A-F only; prereq [3101 or 5101 or 5100 or 6100], [acct major or grad mgmt student])

12969 001 LEC, 09:55am-11:35am MW, CarlSMgmt 2-233, instruction mode: Classroom, 4 cr

12970 002 LEC, 03:45pm-05:25pm MW, CarlSMgmt 2-233, instruction mode: Classroom; 5 seats reserved for PTMBA student, 4 cr

5135 Fundamentals of Federal Income Tax

(A-F only; prereq [2050 or MBA 6030], [mgmt or grad mgmt student])

12971 001 LEC, 12:20pm-02:00pm MW, HMH 1-107, instruction mode: Classroom; All students registered for the course will be automatically charged a fee of approx \$156.80 which will allow access to the latest ebook edition of the textbook. The charge will appear as a U of M bookstore item in the student account after commencement of the course. The ebook will be accessible through the course Moodle page. Students may also purchase a looseleaf edition of the text through the bookstore for an additional fee.; 5 seats reserved for MBT student, 4 cr

12972 1020 LEC, 05:45pm-09:05pm M, HMH 1-107, instruction mode: Classroom; All students registered for the course will be automatically charged a fee of approx \$156.80 which will allow access to the latest ebook edition of the textbook. The charge will appear as a U of M bookstore item in the student account after commencement of the course. The ebook will be accessible through the course Moodle page. Students may also purchase a looseleaf edition of the text through the bookstore for an additional fee.; 5 seats reserved for PTMBA student; 3 seats reserved for MBT student; 12 seats reserved for Accountancy M.Acc., 4 cr

5160 Financial Statement Analysis

(A-F only; prereq [5100/6100 or 3101/5101], [accounting or finance major])

17019 001 LEC, 11:50am-01:30pm TTh, CarlSMgmt 2-224, 09/08/15-10/26/15, instruction mode: Classroom; 5 seats reserved for Accountancy M.Acc., 2 cr

21254 002 LEC, 08:00am-09:40am MW, CarlSMgmt 2-224, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

18442 1020 LEC, 05:45pm-09:05pm Th, CarlSMgmt 1-135, 09/08/15-10/26/15, instruction mode: Classroom; 5 seats reserved for Accountancy M.Acc., 2 cr

5236 Introduction to Taxation of Business

(A-F only; prereq 5135, acct major)

17020 001 LEC, 03:45pm-05:25pm MW, CarlSMgmt 1-143, 10/27/15-12/16/15, instruction mode: Classroom; 10 seats reserved for Accountancy M.Acc., 2 cr

5310 International Accounting

(A-F only; prereq 5101; [5102 or Concurrent registration is required (or allowed) in 5102] recommended)

19766 001 LEC, 02:30pm-04:10pm MW, HMH 1-107, 10/27/15-12/16/15, instruction mode: Classroom; Equivalent to ACCT 8007 formerly offered in M.Acc.; 7 seats reserved for Accountancy M.Acc., 2 cr

5420 MAcc directed study

(max crs 4; prereq MAcc student)

19624 001 IND, instruction mode: Classroom, 1-4 cr

6100 Financial Statement Analysis

(A-F; prereq MBA 6030, MBA student)

19623 1060 LEC, 05:45pm-09:05pm T, CarlSMgmt L-126, instruction mode: Classroom; 40 seats reserved for PTMBA student; 8 seats reserved for MBA day student, 4 cr

6160 Accounting for Mergers and Acquisitions, and Derivatives

(A-F; prereq MBA 6030, MBA student)

17021 1060 LEC, 05:45pm-09:05pm M, CarlSMgmt L-126, 09/08/15-10/26/15, instruction mode: Classroom; 40 seats reserved for PTMBA student; 8 seats reserved for MBA day student, 2 cr

8001 Internal Control

(A-F; prereq MAcc grad major)
17978 I001 LEC, 05:45pm-09:05pm W, CarlSMgmt L-110,
instruction mode: Classroom, 4 cr

8002 Securities and Exchange Commission (SEC) and Standard Setting

(A-F; prereq MAcc grad major)
19159 001 LEC, 03:45pm-05:25pm TTh, CarlSMgmt L-110,
instruction mode: Classroom, 4 cr

8800 Empirical Research: Topics (max crs 4)

35009 I001 LEC, 05:45pm-09:05pm T, CarlSMgmt 2-219,
09/08/15-10/26/15, instruction mode: Classroom; Topic
prereq - ACCT 3201, Admitted MAcc student.; White, Paul
Andrew, 2 cr; Advanced Management Accounting

8802 Empirical Research-Capital Markets (max crs 8; prereq Business admin PhD student or instr consent)

26860 001 LEC, instruction mode: Classroom, 4 cr

8811 Information Economics I

(prereq Business admin PhD student or instr consent)
31330 001 LEC, 09/08/15-10/26/15, instruction mode:
Classroom, 4 cr

8892 Readings in Accounting

(max crs 16; 16 repeats allowed; prereq Business
admin PhD student or instr consent)
13695 001 IND, instruction mode: Classroom, 1-8 cr

8894 Research in Accounting

(max crs 16; 16 repeats allowed; prereq Business
admin PhD student or instr consent)
11291 001 IND, instruction mode: Classroom, 1-8 cr

ADDICTION STUDIES (AddS)

*Credit Certificate Prog/College of Continuing
Edu, 20 Ruttan Hall, 1904 Buford Avenue, St
Paul, MN, 55108*

612/624-4000, [http://www.cce.umn.edu/
Programs-and-Courses/Certificates/Credit-
Certificates](http://www.cce.umn.edu/Programs-and-Courses/Certificates/Credit-Certificates)

5021 Introduction to Evidence Based Practices and the Helping Relationship (A-F only)

22728 001 LEC, 09:00am-12:40pm M, RuttanH B36,
STPAUL, 09/14/15-11/23/15, instruction mode: Classroom;
8 seats reserved for IBH or AddS Grad Cert or AddS;
Boisen, Laura Sue, 3 cr
23099 I002 LEC, 05:30pm-08:50pm W, RuttanH B36,
STPAUL, 09/09/15-10/07/15, 05:30pm-08:50pm W,
RuttanH B26, STPAUL, 10/21/15-12/02/15, instruction
mode: Classroom; Class meets 9/9 to 12/2. No class 10/
14; 8 seats reserved for IBH or AddS Grad Cert or AddS;
Wamsley, Debra S, 3 cr

5031 Applied Psychopharmacology (A-F only)

24321 I001 LEC, 05:30pm-07:30pm M, . NORMREQD,
STPAUL, 09/14/15-12/16/15, instruction mode: Classroom;
Class will meet at St. Joseph's Hospital, 45 West 10th
Street, St. Paul, MN 55102; Frenz, David Arthur, 2 cr

5041 Methods and Models I: Motivational Counseling (A-F only; prereq 5021)

34823 001 LEC, 01:00pm-04:00pm Th, RuttanH B22,
STPAUL, 09/10/15-11/12/15, instruction mode: Classroom;
14 seats reserved for IBH or AddS Grad Cert or AddS;
Weigelt, Jennifer E, 2 cr

5051 Methods and Models II: Cognitive Behavioral Therapy (A-F only; prereq 5021)

34817 001 LEC, 08:30am-02:00pm S, RuttanH B26,
STPAUL, 09/12/15-09/19/15, 08:30am-02:00pm
S, RuttanH B26, STPAUL, 10/03/15-10/10/15,
08:30am-02:00pm S, RuttanH B26, STPAUL, 10/24/
15-10/24/15, instruction mode: Classroom; Class meets
on 5 Saturdays: 9/12, 9/19, 10/3, 10/10, 10/24.; 10 seats
reserved for IBH or AddS Grad Cert or AddS; Kammer-
Hodge, Heidi Elizabeth, 2 cr
34824 I002 LEC, 04:30pm-07:30pm Th, MagrathLib 6,
STPAUL, 09/10/15-11/12/15, instruction mode: Classroom;
10 seats reserved for IBH or AddS Grad Cert or AddS;
Weigelt, Jennifer E, 2 cr

5061 Foundations of Group Work

(A-F only; prereq ADDS 5021)
34820 001 LEC, 12:30pm-03:10pm Th, RuttanH B36,
STPAUL, instruction mode: Classroom; 8 seats reserved
for IBH or AddS Grad Cert or AddS; Rohovit, Julie L, 3 cr

5081 Multicultural Foundations of Behavioral Health

(A-F only)
34815 I001 LEC, 05:30pm-08:30pm W, RuttanH B30, 09/09/
15-12/16/15, instruction mode: Classroom; Heu, Melanie,
3 cr

5091 Assessment and Treatment Planning I

(A-F only; prereq [5001 or 5011], 5021, [5003 or 5031])
34814 I001 LEC, 05:30pm-08:10pm M, . NORMREQD,
STPAUL, 09/14/15-12/16/15, instruction mode: Classroom;
Course will meet at St. Joseph's Hospital, 45 West 10th
Street, St. Paul MN 55102.; Wawro, George, 3 cr
34811 I002 LEC, 05:15pm-07:55pm W, MagrathLib 8,
STPAUL, 09/09/15-12/16/15, instruction mode: Classroom;
Cramer, Jesse Samuel, 3 cr

ADULT PSYCHIATRY (AdPy)

612/626-6015, [http://www.med.umn.edu/
psychiatry](http://www.med.umn.edu/psychiatry)

5515 Neuropsychology: University Hospitals

(max crs 9; O-N only)
13165 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom, 3-9 cr
13166 002 LEC, 08/03/15-12/23/15, instruction mode:
Classroom, 3-9 cr

7109 Adult Psychiatry: Duluth

(HN; prereq SPECIAL INSTRUCTIONS: Students must
contact the UMD Department of Family Medicine, 10
University Drive, Duluth, MN 55812 [218-726-7916]
at least one month prior to quarterly cancel/add
deadline.)

12590 001 ROT, 08:00am-05:00pm MTWThF, . ROOM-TBA,
08/03/15-12/23/15, instruction mode: Classroom; Duluth, 6
cr
12591 002 ROT, 08/03/15-12/23/15, instruction mode:
Classroom; Duluth, 6 cr

7500 Psychiatry Externship

(HN)
12592 001 FWK, 08:30am-12:30pm F, Room TBA,
TCEASTBANK, 08/03/15-12/23/15, instruction mode:
Classroom; Specker, Sheila Mary, 6 cr
12593 002 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 6 cr

7501 Elective Rotation in Alcohol Problems Clinics

(max crs 6; HN; prereq Med 7-500 and AdPy 7-500)
12594 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3-6 cr
12595 002 FWK, 08/03/15-12/23/15, instruction mode:
Classroom; McNairy, Scott L, 3-6 cr

7502 Elective Rotation In Addiction Medicine

(HN; prereq AdPy 7-500)
12596 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 6 cr
12597 002 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 6 cr

7503 Elective Experience in Research in Addiction Medicine

(max crs 6; HN; prereq Approval of course director)
12598 001 IND, 08/06/15-01/28/16, instruction mode:
Classroom; Westermeyer MD, PhD, Joseph J, 3-6 cr
12599 002 IND, 08/06/15-01/28/16, instruction mode:
Classroom, 3-6 cr

7505 Assessment and Treatment of Torture Victims

(HN; prereq 7500, MED 7500, med sr)
14978 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom, 2 cr

7512 Medical-Surgical Psychiatry:

Consultation: Liaison
(max crs 4; HN)
12600 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom; Colon, Eduardo A., 2-4 cr

7516 Fairview Recovery Services at Fairview-University Medical Center

(max crs 3; HN)
14537 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom; Amer MD, Gregory Mark, 2-3 cr

7530 Independent Study

(max crs 15; HN)
13603 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom; Nelson, Kaz Joyer, 1-15 cr

7972 Psychiatric Child Fellowship: Year I

(max crs 24; 3 repeats allowed; HN; prereq
Psychiatric resident/fellow, dept consent)
12856 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom; Jensen, Jonathan Bren, 8 cr

AEROSPACE ENGINEERING AND MECHANICS (AEM)

107 Akerman Hall, 110 Union Street SE, East
Bank Campus, Minneapolis, MN, 55455
612/625-8000, <http://www.aem.umn.edu>

1905 Freshman Seminar: Aircraft and Spacecraft

(max crs 4; OPN; prereq Fr)
19302 001 LEC, 03:35pm-05:30pm T, RapsonH 15,
instruction mode: Classroom; Must be able to attend
launch/recovery on Saturday in October/November.;
Flaten, James Alfred, 2 cr; Yes, This Is Rocket Science!
High-Power Rocketry

2011 Statics

(A-F only; prereq PHYS 1301W, [Concurrent
registration is required (or allowed) in Math 2374 or
equiv], CSE)
001 LEC, 09:05am-09:55am MWF, FraserH 101, instruction
mode: Classroom
11200 002 DIS, 09:05am-09:55am T, AkerH 215, instruction
mode: Classroom; , 3 cr
11201 003 DIS, 11:15am-12:05pm T, AkerH 211, instruction
mode: Classroom; , 3 cr
11202 004 DIS, 02:30pm-03:20pm T, AkerH 211, instruction
mode: Classroom; , 3 cr
11203 005 DIS, 08:00am-08:50am T, AkerH 211, instruction
mode: Classroom; , 3 cr

2012 Dynamics

(A-F only; prereq 2011, [Concurrent registration is
required (or allowed) in Math 2373 or equiv], CSE
student)
001 LEC, 11:15am-12:05pm MWF, RapsonH 54, instruction
mode: Classroom
11206 002 DIS, 12:20pm-01:10pm T, AkerH 313, instruction
mode: Classroom, 3 cr
11207 003 DIS, 01:25pm-02:15pm T, AkerH 313, instruction
mode: Classroom, 3 cr

2021 Statics and Dynamics

(A-F only; prereq Phys 1301W, [Concurrent registration
is required (or allowed) in Math 2374 or equiv], CSE)
001 LEC, 12:20pm-01:10pm MTWF, FraserH 101, instruction
mode: Classroom
11209 002 DIS, 09:05am-09:55am Th, AkerH 215, instruction
mode: Classroom; , 4 cr
11210 003 DIS, 11:15am-12:05pm Th, AkerH 215, instruction
mode: Classroom; , 4 cr
11211 004 DIS, 12:20pm-01:10pm Th, AkerH 313, instruction
mode: Classroom; , 4 cr
11212 005 DIS, 02:30pm-03:20pm Th, AkerH 215, instruction
mode: Classroom; , 4 cr
11213 006 DIS, 03:35pm-04:25pm Th, AkerH 313, instruction
mode: Classroom, 4 cr
13793 007 DIS, 10:10am-11:00am Th, AkerH 209, instruction
mode: Classroom; , 4 cr

3031 Deformable Body Mechanics

(A-F only; prereq [2011 or 2021 or [BMEN 3011, BMEN
major]], [Math 2374 or equiv], [Concurrent registration
is required (or allowed) in Math 2373 or equiv], CSE)
001 LEC, 01:25pm-02:15pm MWF, FraserH 102, instruction
mode: Classroom
11215 002 DIS, 10:10am-11:00am Th, AkerH 215, instruction
mode: Classroom, 3 cr
11216 003 DIS, 01:25pm-02:15pm Th, AkerH 317, instruction
mode: Classroom, 3 cr
11217 004 DIS, 02:30pm-03:20pm Th, AkerH 211, instruction
mode: Classroom, 3 cr
11218 005 DIS, 03:35pm-04:25pm Th, AkerH 215, instruction
mode: Classroom, 3 cr

20286 006 DIS, 11:15am-12:05pm Th, AkerH 211, instruction mode: Classroom, 3 cr

3101 Mathematical Modeling and Simulation in Aerospace Engineering (A-F; prereq [MATH 2373 or equiv], AEM major)
23750 001 LEC, 09:05am-09:55am WF, MechE 212, instruction mode: Classroom; Ketema, Yohannes, 2 cr

4000H Honors Research Seminar (S-N; prereq Honors student, permission of University Honors Program, AEM major; meets HON req of Honors)
19978 001 LEC, 02:30pm-04:30pm F, AkerH 319, instruction mode: Classroom; Meets with: 12761 AEM 8000; Shield, Thomas William, 0 cr

4201 Fluid Mechanics (A-F only; prereq 2012, [Math 2373 or equiv], [Math 2374 or equiv], [CSE upper div or grad student])
11224 001 LEC, 10:10am-12:05pm MW, Armory 116, instruction mode: Classroom; Nichols, Joseph W, 4 cr

4253 Computational Fluid Mechanics (Credit will not be granted if credit has been received for: AEM 5253; A-F; prereq 4201, CSCI 1113, CSE upper division)
34986 001 LEC, 09:05am-09:55am MWF, AkerH 319, instruction mode: Classroom; Meets with: 34346 AEM 5253; Schwartzentruber, Thomas E, 3 cr

4295 Problems in Fluid Mechanics (max crs 6; 6 repeats allowed; prereq dept consent)
11220 001 IND, instruction mode: Independent/Directed Studies; To register for this course stop in 107 Akerman Hall. Please have an advisor selected., 1-3 cr

4321 Automatic Control Systems (Credit will not be granted if credit has been received for: EE 4231; A-F; prereq [3101 or ME 3281 or EE 3015], [CSE upper div or grad student])
18585 001 LEC, 01:25pm-02:15pm MWF, FraserH 101, instruction mode: Classroom; Meets with: 11270 EE 4231; salapaka, murti v, 3 cr

4331 Aerospace Vehicle Design (A-F; prereq [2301, 4202, AEM sr] or instr consent)
001 LEC, 03:35pm-04:25pm MWF, STSS 312, instruction mode: Classroom; Garrard, William L; Weyrauch, John R
13794 I002 DIS, 04:40pm-05:30pm MW, AkerH 327, instruction mode: Classroom; , 4 cr
13795 I003 DIS, 04:40pm-05:30pm MW, AkerH 313, instruction mode: Classroom; , 4 cr
17619 I004 DIS, 04:40pm-05:30pm MW, AkerH 215, instruction mode: Classroom; , 4 cr
17620 I005 DIS, 04:40pm-05:30pm MW, AkerH 211, instruction mode: Classroom; , 4 cr

4495 Problems in Aerospace Systems (A-F; prereq CSE upper division, dept consent)
11221 001 IND, instruction mode: Independent/Directed Studies; To register for this course stop in 107 Akerman Hall. Please have an advisor selected., 3 cr

4502 Computational Structural Analysis (prereq [Grade of at least C in 4501, [CSE upper div or grad student]] or instr consent)
34349 001 LEC, 12:20pm-01:10pm MWF, RapsonH 15, instruction mode: Classroom, 3 cr

4595 Problems in Mechanics and Materials (max crs 6; 6 repeats allowed; prereq dept consent)
11222 001 IND, instruction mode: Independent/Directed Studies; To register for this course stop in 107 Akerman Hall. Please have an advisor selected., 1-3 cr

4602W Aeromechanics Laboratory (A-F only; prereq 4201, 4501, 4601, [WRIT 1301 or equiv], [CSE upper div or grad]; meets CLE req of Writing Intensive)
001 LEC, 02:30pm-03:20pm MW, SmithH 231, instruction mode: Classroom; Coletti, Filippo; Shield, Thomas William
13797 002 LAB, 08:00am-11:00am T, AkerH 25, instruction mode: Classroom; , 4 cr
13798 003 LAB, 11:15am-02:15pm T, AkerH 25, instruction mode: Classroom; , 4 cr
13799 004 LAB, 02:30pm-05:30pm T, AkerH 25, instruction mode: Classroom; , 4 cr
13800 005 LAB, 08:00am-11:00am Th, AkerH 25, instruction mode: Classroom; , 4 cr
13801 006 LAB, 11:15am-02:15pm Th, AkerH 25, instruction mode: Classroom; , 4 cr
20561 007 LAB, 02:30pm-05:30pm Th, AkerH 25, instruction mode: Classroom, 4 cr

4796 Professional Experience

(A-F only; prereq CSE upper div, AEM major, dept consent)
14994 001 FWK, instruction mode: Classroom; Garrard, William L, 3 cr

4896 International Professional Experience (A-F; prereq CSE upper div, AEM major, dept consent)
22855 001 FWK, instruction mode: Independent/Directed Studies; Garrard, William L, 3 cr

5253 Computational Fluid Mechanics (Credit will not be granted if credit has been received for: AEM 4253; A-F only; prereq [4201 or equiv], [CSCI 1113 or equiv], CSE grad student)
34346 001 LEC, 09:05am-09:55am MWF, AkerH 319, instruction mode: Classroom; Meets with: 34986 AEM 4253; Schwartzentruber, Thomas E, 0 cr

5321 Modern Feedback Control (prereq 4321 or EE 4231 or ME 5281 or equiv)
11604 001 LEC, 11:15am-12:30pm TTh, MechE 212, instruction mode: Classroom; Meets with: 11272 EE 5231; Lamperski, Andrew, 3 cr

5401 Intermediate Dynamics (A-F only; prereq CSE upper div or grad, 2012, Math 2243)
11392 001 LEC, 11:15am-12:05pm MWF, AkerH 211, instruction mode: Classroom; Ketema, Yohannes, 3 cr

5451 Optimal Estimation (Credit will not be granted if credit has been received for: EE 5251; A-F only; prereq [[MATH 2243 or STAT 3021 or equiv], [4321 or EE 4231 or ME 5281 or equiv]] or instr consent)
18350 001 LEC, 01:00pm-02:15pm TTh, KHKH 3-125, instruction mode: Classroom; Meets with: 20067 EE 5251; Gebre Egziabher, Demoz, 3 cr

5501 Continuum Mechanics (prereq CSE upper div or grad, 3031, Math 2243 or equiv or instr consent)
11396 001 LEC, 10:10am-11:00am MWF, AkerH 211, instruction mode: Classroom, 3 cr

8000 Seminar: Aerospace Engineering and Mechanics (max crs 4; 4 repeats allowed; S-N only; prereq DGS consent)
12761 001 LEC, 02:30pm-04:30pm F, AkerH 319, instruction mode: Classroom; Please visit the seminar webpage for more details regarding meeting times and speaker information: <http://www.aem.umn.edu/teaching/graduate/handbook/seminarpolicy.shtml>; Meets with: 19978 AEM 4000H; Shield, Thomas William, 1 cr

8201 Fluid Mechanics I (prereq 4201 or equiv, Math 2263 or equiv)
11599 001 LEC, 01:00pm-02:15pm MW, AkerH 225, instruction mode: Classroom; Longmire, Ellen K, 3 cr

8203 Fluid Mechanics III (prereq 8202)
34352 001 LEC, 09:45am-11:00am TTh, AkerH 225, instruction mode: Classroom; Mahesh, Krishnan, 3 cr

8295 Selected Topics in Fluid Mechanics (max crs 8; 8 repeats allowed; prereq dept consent)
22897 001 IND, instruction mode: Independent/Directed Studies; To register for this course stop in 107 Akerman Hall. Please have an advisor selected., 1-4 cr

8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
13939 001 IND, instruction mode: Classroom, 1 cr

8400 Seminar: Aerospace Systems (max crs 4; 4 repeats allowed; S-N only; prereq AEROSP Eng grad student)
13802 001 LEC, 12:20pm-01:10pm W, AkerH 211, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
14075 001 IND, instruction mode: Classroom, 1 cr

8495 Advanced Topics in Aerospace Systems (max crs 9; 8 repeats allowed; A-F only; prereq dept consent)
12762 001 IND, instruction mode: Independent/Directed Studies; Topic prereq - AEM 5321 or EE 5231 or equiv course in state-space control methods, 1-4 cr

8525 Elastic Stability of Materials (A-F only; prereq CSE grad student, familiarity with theory of linear algebra)
34338 001 LEC, 02:30pm-03:45pm MW, AkerH 227, instruction mode: Classroom; Elliott, Ryan S., 3 cr

8595 Selected Topics in Mechanics and Materials (max crs 8; 8 repeats allowed; prereq dept consent)
22898 001 IND, instruction mode: Independent/Directed Studies; To register for this course stop in 107 Akerman Hall. Please have an advisor selected., 1-4 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14193 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14281 001 IND, instruction mode: Classroom, 1-18 cr

8880 Plan B Project (max crs 3; prereq Grad aerospace engineering or mechanics major, dept consent)
12763 001 LEC, instruction mode: Classroom, 1-3 cr

8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13713 001 IND, instruction mode: Classroom, 1-24 cr

AEROSPACE STUDIES (Air)
3 Armory, 15 Church St SE, East Bank Campus, Minneapolis, MN, 55455
612/624-2884, <http://www1.umn.edu/afrotc>

1000 Leadership Laboratory (max crs 10; 10 repeats allowed; S-N only)
12977 001 LAB, 04:30pm-06:30pm M, Armory 100, instruction mode: Classroom; Peterson, Major Chris, 1 cr
14495 002 LAB, instruction mode: Classroom; Peterson, Major Chris, 1 cr

1104 Introduction to the Air Force Today I (A-F only)
12912 001 LEC, 09:05am-09:55am W, Armory 12, instruction mode: Classroom; Johnson, Christopher Mitchell, 1 cr
12913 002 LEC, 01:25pm-02:15pm W, Armory 12, instruction mode: Classroom; Johnson, Christopher Mitchell, 1 cr
16038 004 LEC, instruction mode: Classroom; Johnson, Christopher Mitchell, 1 cr

1204 History of Airpower and Communication Skills (A-F only)
12914 001 LEC, 01:25pm-02:15pm T, Armory 12, instruction mode: Classroom; Hoopes, David A, 1 cr
15188 002 LEC, 09:05am-09:55am T, Armory 12, instruction mode: Classroom; Hoopes, David A, 1 cr
15312 003 LEC, instruction mode: Classroom; Hoopes, David A, 1 cr

3301 Air Force Leadership, Quality, and Communication (A-F only)
17204 001 LEC, 07:00am-09:00am W, Armory 105, instruction mode: Classroom; Peterson, Major Chris, 3 cr
17205 002 LEC, instruction mode: Classroom; Peterson, Major Chris, 3 cr

3401 National Security Policy (A-F only)
12960 001 LEC, 12:15pm-02:15pm T, Armory 105, instruction mode: Classroom; Hoopes, David A, 3 cr
16040 002 LEC, 09:00am-11:00am W, Armory 105, instruction mode: Classroom; Hoopes, David A, 3 cr

AFRICAN AMERICAN AND AFRICAN STUDIES (Afro)
808 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455

612/624-9847, <http://www.afroam.umn.edu>**1021 Introduction to Africa**

(meets CLE req of Global Perspectives)
22262 001 LEC, 01:25pm-02:15pm MW, BlegH 155,
instruction mode: Classroom; Coifman, Victoria Bomba, 4
cr

1902 Freshman Seminar

(prereq Fr; meets CLE req of Diversity and Soc Justice
US)
24029 001 LEC, 09:45am-11:00am TTh, BlegH 205,
instruction mode: Classroom; Atkins, Keletso E, 3 cr

3001 West African History: Early Times to 1800

(Credit will not be granted if credit has been received
for: HIST 3454; meets CLE req of Global Perspectives)
33804 001 LEC, 05:30pm-06:45pm MW, BlegH 225,
instruction mode: Classroom; Meets with: 33842 HIST
3454; Coifman, Victoria Bomba, 3 cr

3120 Social and Intellectual Movements in the African Diaspora

(Credit will not be granted if credit has been received
for: AFRO 5120, HIST 3456; A-F only; meets CLE req
of Global Perspectives; meets CLE req of Historical
Perspectives)
24031 001 LEC, 01:00pm-02:15pm TTh, BlegH 125,
instruction mode: Classroom; Meets with: 24032 AFRO
5120, 24429 HIST 3456; Atkins, Keletso E, 3 cr

3251W Sociological Perspectives on Race, Class, and Gender

(Credit will not be granted if credit has been received
for: SOC 3251W, AAS 3251W; A-F only; meets CLE req
of Writing Intensive)
33802 001 LEC, 01:00pm-02:15pm MW, WullH 240,
instruction mode: Classroom; Meets with: 33980 AAS
3251W; Brewer, Rose Marie, 3 cr

3432 Modern Africa in a Changing World

(Credit will not be granted if credit has been
received for: HIST 3432; max crs 4; meets CLE req
of Global Perspectives; meets CLE req of Historical
Perspectives)
22860 002 DIS, 11:15am-12:05pm T, BlegH 205, instruction
mode: Classroom; Meets with: 22192 HIST 3432; , 3-4 cr
22861 003 DIS, 01:25pm-02:15pm T, BlegH 260, instruction
mode: Classroom; Meets with: 22193 HIST 3432; , 3-4 cr

3433 Economic Development in Contemporary Africa

(Credit will not be granted if credit has been received
for: APEC 3061; prereq APEC 1101 or ECON 1101;
meets CLE req of Global Perspectives; meets CLE req
of Social Sciences)
25811 001 DIS, 11:15am-12:30pm TTh, BlegH 260,
instruction mode: Classroom; Meets with: 26458 APEC
3061; Okediji, Tade O, 3 cr

3592W Introduction to Black Women

Writers in the United States
(Credit will not be granted if credit has been received
for: ENGL 3592W; meets CLE req of Writing Intensive)
33803 001 LEC, 02:30pm-03:45pm MW, LindH 315,
instruction mode: Classroom; Meets with: 33839 ENGL
3592W; Githire, Njeri, 3 cr

3597W Introduction to African American Literature and Culture I

(Credit will not be granted if credit has been received
for: ENGL 3597W; credit will not be granted if credit
already received for: Afro 3591W; meets CLE req of
Literature; meets CLE req of Writing Intensive)
17963 001 LEC, 11:15am-01:10pm TTh, HHHctr 60,
instruction mode: Classroom; Meets with: 22400 ENGL
3597W; Wright, John S, 4 cr

3627 Seminar: Harlem Renaissance

(Credit will not be granted if credit has been received
for: ENGL 5597, AFRO 5627, ARTH 3627)
24030 001 LEC, 02:30pm-03:45pm TTh, BlegH 210,
instruction mode: Classroom; Meets with: 24372 AFRO
5627, 23693 ENGL 5597; Wright, John S, 3 cr

3654 African Cinema

33801 001 LEC, 11:15am-12:30pm MW, BlegH 210,
instruction mode: Classroom; Githire, Njeri, 4 cr

3993 Directed Study

(max crs 5)

10842 001 IND, instruction mode: Classroom; , 1-3 cr

4105 Ways of Knowing in Africa and the African Diaspora

(A-F)
19256 001 LEC, 09:45am-11:00am MW, SocSci 278,
instruction mode: Classroom; Onishi, Yuichiro, 3 cr

4231 Color of Public Policy: African Americans, American Indians, Asian Americans & Chicanos in the U.S.

(Credit will not be granted if credit has been received
for: AMIN 4231, CHIC 4231, AAS 4231)
25807 001 LEC, 04:00pm-06:45pm M, NichH 335, instruction
mode: Classroom; Meets with: 26788 AAS 4231, 26785
AMIN 4231, 26786 CHIC 4231; Brewer, Rose Marie, 3 cr

4991W Thesis Research and Writing

(A-F only; prereq dept consent; meets CLE req of
Writing Intensive)
15521 001 IND, instruction mode: Classroom; Onishi,
Yuichiro, 3 cr

5627 Seminar: Harlem Renaissance

(Credit will not be granted if credit has been received
for: AFRO 3627, ENGL 5597, ARTH 3627; prereq Grad
student or instr consent)
24372 001 LEC, 02:30pm-03:45pm TTh, BlegH 210,
instruction mode: Classroom; Meets with: 24030 AFRO
3627, 23693 ENGL 5597; Wright, John S, 3 cr

5993 Directed Study

(max crs 3; prereq instr consent)
13691 001 IND, instruction mode: Classroom, 1-3 cr

AGRICULTURAL, FOOD, AND ENVIRONMENTAL EDUCATION (AFEE)

146 Ruttan Hall, 1994 Buford Ave, St Paul
Campus, St Paul, MN, 55108
612/624-3010, <http://ag-ed.cfans.umn.edu/>

1001 Introduction to Agricultural Education and Extension

10950 001 LEC, 03:00pm-04:15pm W, MagrathLib 6,
STPAUL, instruction mode: Classroom; 1 seat reserved for
CFANS NHS; Smith, Amy Rae, 1 cr
24049 002 LEC, 03:00pm-04:15pm Th, . NORMREQD,
OFFCAMPUS, instruction mode: Correspondence; Online
course (reserved for off-campus students from Ridgewater,
etc.); Smith, Amy Rae, 1 cr

2051 Current Technical Competencies

10949 001 LAB, 02:45pm-05:00pm TTh, MagrathLib 4,
STPAUL, instruction mode: Classroom; 1 seat reserved for
CFANS NHS; , 3 cr

2221 People Skills for Leadership

(A-F only)
16841 001 LEC, 01:30pm-02:45pm TTh, PetH 155, STPAUL,
instruction mode: Classroom; Lorensen, Marianne, 3 cr

2421 Professional Communication for Agriculture, Food, and the Environment

(A-F only)
001 LEC, 10:40am-11:30am MW, RuttanH B25, STPAUL,
instruction mode: Classroom; Swenson, Rebecca Dean
22573 002 DIS, 10:40am-11:30am F, RuttanH B26, STPAUL,
instruction mode: Classroom; Swenson, Rebecca Dean, 3
cr
24050 003 DIS, 09:35am-10:25am F, RuttanH B26, STPAUL,
instruction mode: Classroom; Swenson, Rebecca Dean, 3
cr
24051 004 DIS, 11:45am-12:35pm F, RuttanH B26, STPAUL,
instruction mode: Classroom; Swenson, Rebecca Dean, 3
cr

3096 Experiential Learning: Production and Business

(max crs 12; 12 repeats allowed; prereq AgEd major,
instr consent)
17258 001 LEC, instruction mode: Independent/Directed
Studies; Swenson, Rebecca Dean, 1-8 cr

3112 Building Construction Technology

(Credit will not be granted if credit has been received
for: OLPD 3412; A-F only)
11440 001 LAB, 11:45am-02:15pm TTh, RuttanH B26,
STPAUL, instruction mode: Classroom; , 3 cr

3361 World Development Problems

(Credit will not be granted if credit has been received
for: AFEE 5361; meets CLE req of Global Perspectives)
20890 001 LEC, 06:00pm-09:00pm T, RuttanH 143,
STPAUL, instruction mode: Classroom; Meets with: 14565
AFEE 5361; Plonski, Patrick John, 3 cr

3480 Special Topics in Agricultural Education

(max crs 8)
34292 001 LEC, 10:15am-11:30am TTh, MagrathLib 8,
STPAUL, instruction mode: Classroom; Lorensen,
Marianne, 3 cr; A-F; Leading Across Differences

5111W Agricultural Education: Methods of Teaching

(meets CLE req of Writing Intensive)
10951 001 LEC, 12:50pm-02:45pm MW, MagrathLib 8,
STPAUL, instruction mode: Classroom; SECTION 001
IS FOR AG ED TEACHER LICENSURE STUDENTS;
Greiman, Brad, 4 cr
34414 002 LEC, 12:50pm-02:45pm MW, MagrathLib 6,
STPAUL, instruction mode: Classroom; SECTION 002
IS FOR AG ED LEADERSHIP & COMMUNICATION
STUDENTS AND OTHER CFANS MAJORS, 4 cr

5233 Advanced Procedures in Teaching Agricultural Education

(A-F only)
34428 001 LEC, 05:30pm-08:30pm T, RuttanH B36,
STPAUL, instruction mode: Classroom; Online course
delivered via UM Connect. Class meets 9/8/15, 9/22/15,
10/6/15, 10/20/15, 11/3/15, 11/17/15 and 12/1/15.; Smith,
Amy Rae, 2 cr

5280 Current Issues for the Beginning Agricultural Education Teacher

(max crs 3)
21155 001 LEC, instruction mode: Classroom; Greiman, Brad,
1-3 cr

5361 World Development Problems

(Credit will not be granted if credit has been received
for: AFEE 3361; prereq Grad students only)
14565 001 LEC, 06:00pm-09:00pm T, RuttanH 143,
STPAUL, instruction mode: Classroom; Meets with: 20890
AFEE 3361; Plonski, Patrick John, 3 cr

5697 Teaching Internship: School and Classroom Setting

(prereq WHRE 5696 for initial licensure program)
20242 001 LEC, 08:30am-10:25am T, BioSci 12, STPAUL,
instruction mode: Classroom; Smith, Amy Rae, 2 cr

5993 Directed Study in Agricultural Education and Extension

(max crs 9)
11946 001 IND, instruction mode: Independent/Directed
Studies; Greiman, Brad, 1-9 cr
20791 002 IND, instruction mode: Independent/Directed
Studies; Smith, Amy Rae, 1-9 cr
24054 003 IND, instruction mode: Independent/Directed
Studies; Swenson, Rebecca Dean, 1-9 cr
25725 004 IND, instruction mode: Independent/Directed
Studies; Lorensen, Marianne, 1-9 cr

5995 Integrating Paper-Master of Education: Agricultural and Extension Education

(max crs 4; A-F only)
10704 001 IND, instruction mode: Independent/Directed
Studies; Greiman, Brad, 1-4 cr
20792 002 IND, instruction mode: Independent/Directed
Studies; Smith, Amy Rae, 1-4 cr

AGRONOMY AND PLANT GENETICS (Agro)

411 Borlaug Hall, 1991 Upper Buford Circle,
St Paul Campus, St Paul, MN, 55108
612/625-7773, [http://
agronomy.cfans.umn.edu/](http://agronomy.cfans.umn.edu/)

1093 Directed Studies

(max crs 12; 12 repeats allowed; prereq 4 cr in
agronomy, instr consent)
13001 001 IND, instruction mode: Classroom; Smith, Kevin
Paul, 1-4 cr

1103 Crops, Environment, and Society

(Credit will not be granted if credit has been received for: AGUM 2222; meets CLE req of Environment)

- 001 LEC, 10:15am-11:30am TTh, BorH 335, STPAUL, instruction mode: Classroom; Sheaffer, Craig Charles
17750 002 LAB, 01:55pm-03:50pm M, PlntGrwth 103, STPAUL, instruction mode: Classroom; Sheaffer, Craig Charles, 4 cr
11748 003 LAB, 12:50pm-02:45pm T, PlntGrwth 103, STPAUL, instruction mode: Classroom; 1 seat reserved for CFANS NHS; Sheaffer, Craig Charles, 4 cr
11749 004 LAB, 03:00pm-04:55pm T, PlntGrwth 103, STPAUL, instruction mode: Classroom; Sheaffer, Craig Charles, 4 cr

1660W First-Year Colloquium/Experience in Agroecosystems Analysis

(A-F only; prereq 1st yr in major hosted by Department of Agronomy and Plant Genetics; meets CLE req of Writing Intensive)

- 17095 001 LEC, 03:00pm-04:55pm T, BorH 306, STPAUL, instruction mode: Classroom; 20 seats reserved for CFANS NHS; Smith, Kevin Paul, 2 cr

2501 Plant Identification for Urban and Rural Landscapes

(Credit will not be granted if credit has been received for: AGUM 2240; prereq Biol 1009 or equiv)

- 001 LEC Th, PlntGrwth 132, instruction mode: Classroom; Durgan, Beverly R
34317 002 LAB Th, PlntGrwth 132, instruction mode: Classroom; Durgan, Beverly R, 2 cr

3305 Agroecosystems of the world (meets CLE req of Global Perspectives)

- 26179 001 DIS, 08:45am-10:00am TTh, BorH 306, STPAUL, instruction mode: Classroom; Porter, Paul M; Brakke, Mary Patricia, 3 cr

4093 Directed Studies for Advanced Students

(max crs 12; 12 repeats allowed; prereq 15 cr in agronomy, instr consent)

- 11813 001 IND, instruction mode: Classroom; Brakke, Mary Patricia, 1-4 cr

4096 Professional Experience Program: Internship

(max crs 6; 6 repeats allowed; prereq CFANS undergrad, instr consent, completed internship contract from CFANS)

- 11808 001 FWK, instruction mode: Classroom; Brakke, Mary Patricia, 1-3 cr

4097 Undergraduate Research Thesis

(max crs 12; A-F; prereq Jr or sr)

- 20857 001 IND, instruction mode: Independent/Directed Studies; Smith, Kevin Paul, 1-6 cr

4103 World Food Problems

(Credit will not be granted if credit has been received for: APEC 4103, FSCN 4103; prereq Jr or sr or grad; meets CLE req of Global Perspectives)

- 22452 1001 LEC, 06:00pm-09:00pm T, RuttanH B35, STPAUL, instruction mode: Classroom; Meets with: 22692 APEC 4103; Porter, Paul M, 3 cr

4605 Strategies for Agricultural Production and Management

(prereq 1101 or equivalent, [CHEM1015/17 or equivalent], SOIL1125 or equivalent), [jr or sr or grad student or instr consent])

- 001 LEC, 08:30am-09:20am MW, BorH 306, STPAUL, instruction mode: Classroom; Porter, Paul M
25948 002 DIS, 09:35am-10:25am W, BorH 306, STPAUL, instruction mode: Classroom; Porter, Paul M; Ewing, Patrick M, 3 cr

4660 Senior Capstone (A-F only)

- 11761 001 DIS, 03:00pm-04:55pm Th, Hayesh A408, STPAUL, instruction mode: Classroom; Muehlbauer, Gary John, 2 cr

4888 Issues in Sustainable Agriculture

(prereq 1103, Soil 1125 or 2125 or equiv)

- 17092 001 LEC, 11:45am-01:40pm Th, BorH 335, STPAUL, instruction mode: Classroom; Meets with: 17094 SAGR 8010; Sheaffer, Craig Charles; Murray, Helene, 2 cr

5311 Research Methods in Crop Improvement and Production

(S-N only; prereq applied plant sciences grad)

- 15054 001 DIS, 08:00am-10:00am, STPAUL, instruction mode: Classroom; Anderson, James Allan, 1 cr

5431 Applied Plant Genomics and Bioinformatics

(prereq Grad student or [undergrad with genetics course])

- 001 LEC, 12:50pm-01:40pm MW, BorH 213, STPAUL, instruction mode: Classroom; Hirsch, Candice N
26491 002 LAB, 01:55pm-03:40pm W, BorH 213, STPAUL, instruction mode: Classroom; Hirsch, Candice N, 3 cr

5999 Special Topics: Workshop in Agronomy

(max crs 6; 3 repeats allowed; prereq Jr or sr or grad student)

- 19353 001 LEC, instruction mode: Independent/Directed Studies; Traveling in Iowa, Nebraska and Minnesota from July 26 to August 2; Porter, Paul M, 1-6 cr

8023 Evolution of Crop Plants

(A-F only; prereq 9 grad cr in ag or bio science)

- 26718 001 DIS, 10:15am-11:30am MW, MagrathLib 8, STPAUL, instruction mode: Classroom; Morrell, Peter Laurent, 3 cr

8201 Advanced Plant Breeding

(Credit will not be granted if credit has been received for: HORT 8201; A-F only; prereq STAT 5301 or equiv)

- 34314 001 LEC TTh, BorH 306, instruction mode: Classroom; Anderson, James Allan, 3 cr

8270 Graduate Seminar

(Credit will not be granted if credit has been received for: HORT 8270; A-F only; prereq Grad major in [applied plant sci or agro or ent or hort or plant brdg or plant path or soil] or instr consent)

- 17093 001 LEC, 03:00pm-03:50pm M, AlderH 415, STPAUL, instruction mode: Classroom; Meets with: 15142 HORT 8270; Wyse, Donald L, 1 cr

AMERICAN INDIAN STUDIES (Amin)

19 Scott Hall, 72 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-1338, <http://amin.umn.edu/>

1001 American Indian Peoples in the United States

(meets CLE req of Diversity and Soc Justice US)

- 11907 001 LEC, 01:00pm-02:15pm TTh, Elth N647, instruction mode: Classroom; 5 seats reserved for Amin: American Indian Culture, 3 cr

1003 American Indians in Minnesota

(A-F only; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives)

- 15601 001 LEC, 10:10am-11:00am MWF, SmithH 331, instruction mode: Classroom; McKay, Neil Troy, 3 cr
23808 002 LEC, 01:00pm-02:15pm TTh, SmithH 231, instruction mode: Classroom; Ghebregzi, Alex Anthony, 3 cr
25953 003 LEC, 09:05am-09:55am MWF, NichH 110, instruction mode: Classroom; Bendickson, Wayne Joseph, 3 cr

3141 American Indian Language Planning

(Credit will not be granted if credit has been received for: AMIN 5141; A-F only; prereq 3103 or 3123)

- 24909 001 LEC, 12:20pm-01:10pm MWF, NichH 110, instruction mode: Classroom; Meets with: 24911 AMIN 5141; Fairbanks, Brendan George, 3 cr

3201W American Indian Literature

(A-F; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive)

- 11815 001 LEC, 09:45am-11:00am TTh, WullH 240, instruction mode: Classroom; Meland, Carter, 3 cr
13858 002 LEC, 12:20pm-01:10pm MWF, ApH 226, instruction mode: Classroom; Meland, Carter, 3 cr
17597 1003 LEC, 06:20pm-08:50pm T, NichH 145, instruction mode: Classroom; Power, Susan Mary, 3 cr

3301 American Indian Philosophies

(meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

- 17598 002 LEC, 09:45am-11:00am TTh, RapsonH 31, instruction mode: Classroom; Meets with: 21723 RELS 3321; Ghebregzi, Alex Anthony, 4 cr

3402 American Indians and the Cinema

(A-F only; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

- 17184 001 LEC, 02:30pm-05:00pm W, ScottH 4, instruction mode: Classroom; Meets with: 17192 AMIN 5402; Meland, Carter, 3 cr

3872 American Indian History: 1830 to the Present

(Credit will not be granted if credit has been received for: HIST 3872; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives)

- 25957 1001 LEC, 06:20pm-08:50pm W, BlegH 110, instruction mode: Classroom; Meets with: 34589 HIST 3872, 3 cr

4231 Color of Public Policy: African Americans, American Indians, Asian Americans, & Chicanos in the U.S.

(Credit will not be granted if credit has been received for: AFRO 4231, CHIC 4231, AAS 4231)

- 26785 001 LEC, 04:00pm-06:45pm M, NichH 335, instruction mode: Classroom; Meets with: 26788 AAS 4231, 25807 AFRO 4231, 26786 CHIC 4231; Brewer, Rose Marie, 3 cr

4994 Directed Research

(max crs 18; 18 repeats allowed)

- 18029 001 IND, instruction mode: Independent/Directed Studies, 1-12 cr

4996 Field Study

(max crs 18; 18 repeats allowed)

- 13425 001 FWK, instruction mode: Classroom, 1-12 cr

5107 The Structure of Anishinaabemowin, the Ojibwe Language

(Credit will not be granted if credit has been received for: AMIN 3107; A-F only; prereq 3104)

- 24912 001 LEC, instruction mode: Classroom; Meets with: 24910 AMIN 3107, 3 cr

5141 American Indian Language Planning

(Credit will not be granted if credit has been received for: AMIN 3141; A-F only; prereq 3103 or 3123 or instr consent)

- 24911 001 LEC, 12:20pm-01:10pm MWF, NichH 110, instruction mode: Classroom; Meets with: 24909 AMIN 3141; Fairbanks, Brendan George, 3 cr

5402 American Indians and the Cinema

(A-F only; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

- 17192 001 LEC, 02:30pm-05:00pm W, ScottH 4, instruction mode: Classroom; Meets with: 17184 AMIN 3402; Meland, Carter, 3 cr

5920 Topics in American Indian Studies

(max crs 12; 4 repeats allowed; A-F only)

- 24908 001 LEC, 03:35pm-04:25pm MWF, ApH 223, instruction mode: Classroom; 4th year Ojibwe I; Fairbanks, Brendan George, 3 cr

AMERICAN SIGN LANGUAGE (ASL)

240 Learning & Environmental Sciences Building, 1954 Buford Avenue, St Paul Campus, St Paul, MN, 55108
612/624-1274, <http://www.edpsych.umn.edu/edpsych/asl>

1701 American Sign Language I

- 10795 001 DIS, 08:30am-10:25am MW, LES 140C, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr

- 10796 002 DIS, 10:40am-12:35pm MW, LES 140C, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr

- 10797 003 DIS, 12:50pm-02:45pm MW, LES 140C, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr

- 10798 004 DIS, 03:00pm-04:55pm MW, LES 140C, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr

- 10799 1005 DIS, 05:10pm-09:00pm W, LES 140C, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr

- 15145 006 DIS, 08:30am-10:25am TTh, LES 140C, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr

- 23806 007 DIS, 03:00pm-04:55pm TTh, LES 140C, STPAUL, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student, 5 cr

- 25405 1008 DIS, 05:10pm-09:00pm T, LES 140C, STPAUL, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student, 5 cr

1702 American Sign Language II

(prereq 1701 with grade of at least [S or C-] or dept consent)

- 10800 001 DIS, 10:40am-12:35pm MW, LES 140B, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 10801 002 DIS, 12:50pm-02:45pm MW, LES 140B, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 10802 003 DIS, 03:00pm-04:55pm MW, LES 140B, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 34740 1004 DIS, 05:10pm-09:00pm M, LES 140C, STPAUL, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student - EXPIRES 19-AUG-2015, 5 cr
- 10803 005 DIS, 08:30am-10:25am TTh, LES 140B, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 14369 006 DIS, 12:50pm-02:45pm TTh, LES 140B, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 17047 007 DIS, instruction mode: Classroom; Independent lab component; 1 seat reserved for non-PSEO, non-admitted student - EXPIRES 19-AUG-2015, 5 cr
- 26285 1008 DIS, 05:10pm-09:00pm Th, LES 140B, STPAUL, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student, 5 cr

3703 American Sign Language III

(prereq 1702 with grade of at least [S or C-] or dept consent)

- 14370 001 DIS, 08:30am-10:25am MW, LES 140A, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 10804 002 DIS, 12:50pm-02:45pm MW, LES 140A, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 25414 1003 DIS, 05:10pm-09:00pm M, LES 140A, STPAUL, instruction mode: Classroom; Independent Lab Section, 5 cr
- 10806 004 DIS, 08:30am-10:25am TTh, LES 140A, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 14371 005 DIS, 12:50pm-02:45pm TTh, LES 140A, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 21380 1006 DIS, 05:10pm-09:00pm T, LES 140A, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr

3704 American Sign Language IV

(prereq 3703 with grade of at least [S or C-] or dept consent)

- 10807 001 DIS, 08:30am-10:25am MW, LES 140B, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 14669 002 DIS, 12:50pm-02:45pm MW, RuttanH B36, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 10808 1003 DIS, 05:10pm-09:00pm M, LES 140B, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 10809 004 DIS, 10:40am-12:35pm TTh, LES 140B, STPAUL, instruction mode: Classroom; Independent lab component, 5 cr
- 34774 005 DIS, 03:00pm-04:55pm TTh, LES 140B, STPAUL, instruction mode: Classroom, 5 cr
- 34773 1006 DIS, 05:10pm-09:00pm Th, LES 140A, STPAUL, instruction mode: Classroom, 5 cr

3705 Cultural Perspectives of Deafness

- 10810 1001 LEC, 05:10pm-08:00pm W, LES 140A, STPAUL, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student - EXPIRES 19-AUG-2015, 3 cr

3800 ASL Independent Study: Extended Study

(max crs 6; S-N; prereq Completion of or Concurrent registration is required (or allowed) in 3704)

- 24327 001 IND, instruction mode: Classroom, 1-3 cr
- 24328 002 IND, instruction mode: Classroom, 1-3 cr
- 24329 003 IND, instruction mode: Classroom, 1-3 cr
- 24330 004 IND, instruction mode: Classroom, 1-3 cr
- 24331 005 IND, instruction mode: Classroom, 1-3 cr
- 24332 006 IND, instruction mode: Classroom, 1-3 cr
- 24333 007 IND, instruction mode: Classroom, 1-3 cr
- 24334 008 IND, instruction mode: Classroom, 1-3 cr

AMERICAN STUDIES (AmSt)

104 Scott Hall, 72 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455

612/624-4190, <http://cla.umn.edu/american>**1401 Comparative Genders and Sexualities**

(meets CLE req of Diversity and Soc Justice US)

- 22486 1001 LEC, 06:20pm-08:50pm W, WullH 240, instruction mode: Classroom; , 3 cr

1905 Freshman Seminar

(prereq Fr)

- 24324 001 LEC, 02:30pm-05:00pm T, NichH 315, instruction mode: Classroom; , 3 cr

2011 The United States since September 11

(meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives)

- 17742 001 LEC, 11:15am-12:30pm TTh, SmithH 100, instruction mode: Classroom, 3 cr

3113W America's Diverse Cultures

(meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive)

- 12043 001 LEC, 11:15am-12:30pm MW, NichH 355, instruction mode: Classroom; , 3 cr

3114 America in International Perspective

(meets CLE req of Diversity and Soc Justice US)

- 15512 001 LEC, 09:45am-11:00am TTh, NichH 335, instruction mode: Classroom; , 3 cr

3252W American Popular Culture and**Politics: 1900 to 1940**

(meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

- 001 LEC, 02:30pm-03:45pm TTh, NichH 35, instruction mode: Classroom
- 19139 002 DIS, 04:00pm-04:50pm T, NichH 335, instruction mode: Classroom; , 4 cr
- 26224 003 DIS, 04:00pm-04:50pm T, NichH 110, instruction mode: Classroom; , 4 cr
- 26225 004 DIS, 04:00pm-04:50pm Th, NichH 335, instruction mode: Classroom; , 4 cr
- 19140 005 DIS, 02:30pm-03:20pm W, NichH 120, instruction mode: Classroom; , 4 cr

3253W American Popular Culture and**Politics: 1940 to the Present**

(meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

- 15733 1001 LEC, 06:20pm-08:50pm T, NichH 155, instruction mode: Classroom; , 4 cr

3632W Jewish Women in the United States

(Credit will not be granted if credit has been received for: JWST 3632W; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

- 34879 001 LEC, 09:45am-11:00am TTh, WullH 220, instruction mode: Classroom; Prell, Riv-Ellen, 3 cr

3993 Directed Studies

(max crs 9; prereq instr consent)

- 12936 001 IND, instruction mode: Classroom, 1-9 cr

4101 Gender, Sexuality, and Politics in America

(Credit will not be granted if credit has been received for: GLBT 4101; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives)

- 24288 1001 LEC, 06:20pm-08:50pm M, NichH 35, instruction mode: Classroom; Meets with: 24448 GLBT 4101; , 3 cr

4961 Proseminar I

(prereq AmSt jr or AmSt sr or instr consent)

- 26051 1001 LEC, 05:00pm-07:30pm Th, ScottH 105, instruction mode: Classroom; , 3 cr

8201 Historical Foundations of American Studies

(prereq grad AmSt major)

- 11883 001 LEC, 01:25pm-03:20pm M, ApH 11, instruction mode: Classroom; , 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

- 13940 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

- 14076 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

- 14194 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

- 14282 001 IND, instruction mode: Classroom, 1-18 cr

8801 Dissertation Seminar

(S-N only; prereq AmSt doctoral student beginning dissertation work)

- 15823 001 LEC, 01:25pm-03:20pm M, NichH 115, instruction mode: Classroom; , 3 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

- 13714 001 IND, instruction mode: Classroom, 1-24 cr

8920 Topics in American Studies

(max crs 12; 3 repeats allowed)

- 20802 001 LEC, 01:25pm-03:20pm F, ScottH 103, instruction mode: Classroom; American Indian Museum Study; , 3-4 cr

8970 Independent Study in American Studies

(max crs 9; 9 repeats allowed; prereq instr consent, dept consent)

- 12294 001 IND, instruction mode: Classroom, 1-9 cr

ANATOMY (ANAT)6-125 Jackson Hall, 321 Church Street S.E., East Bank Campus, Minneapolis, MN, 55455
612/625-5902, <http://physiology.med.umn.edu/>**3001 Human Anatomy**

(Credit will not be granted if credit has been received for: ANAT 3611, ANAT 3601; prereq [BIOL 1002W or BIOL 1009 or BIOL 2002 or equiv], at least soph; credit will not be granted if credit received for: Anat 3001/ Anat 3301/Anat 3601/INMD 3001/INMD 3301)

- 17691 001 LEC, 09:05am-09:55am MWF, Room TBA, TCEASTBANK, instruction mode: Classroom; 100 seats reserved for Nursing undergrad; Cook, Mark S.; Barnett, Vincent A, 3 cr

4900 Directed Studies in Anatomy

(max crs 18; 3 repeats allowed; S-N; prereq instr consent)

- 17692 001 IND, instruction mode: Classroom; Weinhaus PhD, Anthony James; Cook, Mark S., 1-6 cr

5095 Advanced Problems in Anatomy

(max crs 12; A-F; prereq one or more ANAT classes, instr consent)

- 23138 001 IND, instruction mode: Independent/Directed Studies; Weinhaus PhD, Anthony James, 1-6 cr
- 23139 002 IND, instruction mode: Independent/Directed Studies; Cook, Mark S., 1-6 cr

5150 Human Gross Anatomy

(A-F; prereq instr consent. For Medical Students, or Graduate students enrolled in an appropriate graduate program as determined by instructor.)

- 23096 001 LAB, 08:00am-12:05pm TTh, Jach 5-167, instruction mode: Classroom; This class (ANAT 5150) meet concurrently with InMd 6801. Separate room scheduling is not needed.

6050 Dental Gross Anatomy

(A-F only; prereq Dental student or instr consent)

- 001 LEC, 01:00pm-01:50pm MTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm TTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm TTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm M, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm TTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-04:40pm T, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm TTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-04:40pm Th, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-04:40pm T, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm TTh, Room TBA,

TCEASTBANK, 08/03/15-01/08/16, 01:00pm-04:40pm F, Room TBA, TCEASTBANK, 08/03/15-01/08/16, instruction mode: Classroom; Cook, Mark S.; Weinhaus PhD, Anthony James

18704 002 LAB, 01:00pm-04:30pm TTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, instruction mode: Classroom; Cook, Mark S., 5 cr

7600 Advanced Topics in Anatomy

(max crs 15; P-N; prereq instr consent)
17693 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom, 1-15 cr

7602 Advanced Clinical Gross Anatomy II

(max crs 18; P-N; prereq 7601 or instr consent)
17695 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom; Weinhaus PhD, Anthony James, 2-9 cr

7800 Integrated Preparation for Internship

(H-N; prereq INMD 6801, instr consent)
24578 001 LAB, 08/03/15-12/23/15, instruction mode: Classroom, 4 cr

ANESTHESIOLOGY (Anes)

B-515 Mayo, 420 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455

5587 Adv Clinical Physiology I for Nurse

Anesthetists
(A-F only)
13708 001 LEC, instruction mode: Classroom, 3 cr

7015 Directed Study, Anesthesia Topics/

Project Course Development
(max crs 15; HNv)
13371 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom, 1-15 cr

7181 Externship in Clinical Anesthesiology

(max crs 6; HNv)
12470 001 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
12471 002 FWK, 07/10/15-01/28/16, instruction mode: Classroom, 3-6 cr
12472 003 FWK, 07/10/15-01/28/16, instruction mode: Classroom, 3-6 cr
12473 004 FWK, 07/10/15-01/28/16, instruction mode: Classroom, 3-6 cr
12474 005 FWK, 07/10/15-01/28/16, instruction mode: Classroom, 3-6 cr
12475 006 FWK, 07/10/15-01/28/16, instruction mode: Classroom, 3-6 cr

7182 Independent Study, Anesthesiology

(max crs 15; HNv)
16901 001 IND, instruction mode: Classroom, 1-15 cr

7183 Externship in Clinical Anesthesiology: Advanced Experience at Abbott NW

(HNv; prereq 7181, 3 wk externship in clinical anesthesiology)
17439 001 FWK, instruction mode: Classroom, 3 cr

7184 Rural Externship in Clinical Anesthesiology

(max crs 3; H-N)
24570 001 FWK, instruction mode: Classroom, 0-3 cr

7186 Clinical Practice in Anesthesia

(HNv)
13372 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom; Palahniuk, Richard John, 15 cr

8269 Research in Anesthesia

13373 001 LEC, instruction mode: Classroom; Palahniuk, Richard John, 1 cr

ANIMAL SCIENCE (AnSc)

*305 Haecker Hall, 1364 Eckles Avenue, St Paul Campus, St Paul, MN, 55108
612/624-2722, <http://www.ansci.umn.edu>*

1001 Orientation to Animal Science

(A-F only)
001 LEC, 01:55pm-02:45pm T, FScN 15, STPAUL, instruction mode: Classroom; Required: All day retreat to be scheduled for a Saturday in September or October.; Palmer PhD, Melissa L

24243 002 DIS, 03:00pm-04:15pm T, RuttanH 143, STPAUL, instruction mode: Classroom; CHEM 1015 students only, 1 cr

24256 003 DIS, 03:00pm-04:15pm T, Peth 155, STPAUL, instruction mode: Classroom; CHEM 1015 students only, 1 cr

24257 004 DIS, 03:00pm-04:15pm T, RuttanH B30, STPAUL, instruction mode: Classroom; CHEM 1015 students only, 1 cr

24258 005 DIS, 03:00pm-04:15pm T, RuttanH B26, STPAUL, instruction mode: Classroom; CHEM 1015 students only, 1 cr

24259 006 DIS, 03:00pm-04:15pm T, HckrH 205, STPAUL, instruction mode: Classroom; CHEM 1061 students only, 1 cr

24260 007 DIS, 03:00pm-04:15pm T, RuttanH B22, STPAUL, instruction mode: Classroom; Students not registered for a chemistry class, 1 cr

1011 Animals and Society

(meets CLE req of Civic Life and Ethics)
11878 001 DIS, 12:50pm-01:40pm MWF, RuttanH B45, STPAUL, instruction mode: Classroom; Seykora, Anthony James, 3 cr

1511 Food Animal Products for Consumers

12270 001 LEC, 09:35am-10:25am MWF, HckrH 205, STPAUL, instruction mode: Classroom; Rozeboom, Kyle James, 3 cr

1701 Historical Influence of the Horse on Society

(meets CLE req of Historical Perspectives)
20985 001 LEC, instruction mode: Correspondence; Hathaway, Marcia, 3 cr

2011 Dairy Cattle Judging

(prereq instr consent)
11881 001 FWK, instruction mode: Classroom; Hansen PhD, Leslie Bennett, 2 cr

2013 Beginning Livestock Judging

(prereq [Soph or jr or sr], instr consent ; 2012 recommended)
34365 001 LAB, 03:00pm-06:00pm TTh, . ROOM-TBA, STPAUL, instruction mode: Classroom; Rozeboom, Kyle James, 2 cr

2055 Horse Management

17334 001 LEC, 01:30pm-02:45pm TTh, ABLMS 125, STPAUL, instruction mode: Classroom; Related course: AnSc 3007 Equine Nutrition.; Martinson, Krishona Lynn, 2 cr
24118 002 LEC, instruction mode: Correspondence; AnSc majors - Equine emphasis students must register for section 001.; Martinson, Krishona Lynn, 2 cr

2056 Horse Management Practicum

(prereq 2055 or Concurrent registration is required (or allowed) in 2055)
22531 001 LAB, 03:00pm-03:50pm W, HckrH 205, STPAUL, instruction mode: Classroom; Martinson, Krishona Lynn, 2 cr

2401 Animal Nutrition

12308 001 LEC, 09:35am-10:25am MWF, RuttanH B45, STPAUL, instruction mode: Classroom; Stern, Marshall D; Raeth, Mary; Baidoo PhD, Samuel Kofi, 3 cr

3011 Statistics for Animal Science

(Credit will not be granted if credit has been received for: STAT 3011, STAT 5021, ESPM 3012)
001 LEC, 10:40am-11:30am MWF, RuttanH B35, STPAUL, instruction mode: Classroom; Raeth, Mary
21710 002 LAB, 12:50pm-02:45pm W, LES 230, STPAUL, instruction mode: Classroom; Raeth, Mary, 4 cr
21711 003 LAB, 01:55pm-03:50pm W, LES 220, STPAUL, instruction mode: Classroom; Raeth, Mary, 4 cr

3092 Undergraduate Research in Animal Science

(max crs 6; A-F)
19963 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr

3221 Animal Breeding

001 LEC, 08:30am-09:20am MWF, FScN 15, STPAUL, instruction mode: Classroom; Seykora, Anthony James
13264 002 LAB, 11:45am-01:40pm Th, BioSci 64, STPAUL, instruction mode: Classroom; Seykora, Anthony James, 4 cr
13265 003 LAB, 01:55pm-03:50pm Th, BioSci 64, STPAUL, instruction mode: Classroom; Seykora, Anthony James, 4 cr

3301 Human and Animal Physiology

(prereq Must have taken a Biology and Chemistry course.)

12039 001 LEC, 08:30am-09:20am MWF, BioSci 64, STPAUL, instruction mode: Classroom; Palmer PhD, Melissa L; Saqui-Salces, Milena, 3 cr

3302 Human and Animal Physiology

Laboratory

(prereq 3301 or Concurrent registration is required (or allowed) in 3301)

20692 001 LAB, 08:30am-10:25am Th, VetS 225, STPAUL, instruction mode: Classroom; Palmer PhD, Melissa L, 1 cr
20693 002 LAB, 10:40am-12:35pm Th, VetS 225, STPAUL, instruction mode: Classroom; Palmer PhD, Melissa L, 1 cr
20694 003 LAB, 12:50pm-02:45pm Th, VetS 225, STPAUL, instruction mode: Classroom; Palmer PhD, Melissa L, 1 cr

3307 Artificial Insemination Techniques

(S-N only; prereq instr consent)

17726 001 LAB, instruction mode: Classroom; Seykora, Anthony James, 1 cr

3403 Companion Animal Hot Button Issues

22530 001 LEC, 10:15am-11:30am TTh, RuttanH B25, STPAUL, instruction mode: Classroom; Stern, Marshall D, 3 cr

3509 Animal Biotechnology

(prereq GCD 3022 or instr consent)

24193 001 LEC, 12:50pm-01:40pm MWF, RuttanH B26, STPAUL, instruction mode: Classroom; Palmer PhD, Melissa L, 3 cr

3609 Business Planning for Animal Enterprises

15519 001 LEC, 12:50pm-02:45pm T, HckrH 205, STPAUL, instruction mode: Classroom; Baidoo PhD, Samuel Kofi; Kollanoor Johny, Anup, 2 cr

4009W Undergraduate Research Thesis

(max crs 12; 12 repeats allowed; A-F only; prereq Jr or sr major in AnSc, instr consent; meets CLE req of Writing Intensive)

17310 001 IND, instruction mode: Classroom; Mauro PhD, Laura J., 1-6 cr

4092 Special Problems in Animal Science

(max crs 12; 6 repeats allowed; prereq instr consent)

12272 001 IND, instruction mode: Classroom; Seykora, Anthony James, 1-4 cr
22077 002 IND, instruction mode: Independent/Directed Studies; Cox, Ryan Bradley, 1-4 cr

4093 Tutorial in Animal Science

(max crs 4; prereq instr consent)

12273 001 IND, instruction mode: Classroom, 1-4 cr

4096 Professional Experience Program: Internship

(max crs 6; 4 repeats allowed; A-F; prereq CFANS undergrad, instr consent , agreement form)

18457 001 FWK, instruction mode: Independent/Directed Studies; Dayton, William R, 1-3 cr
18458 002 FWK, instruction mode: Independent/Directed Studies; Hansen PhD, Leslie Bennett, 1-3 cr
18459 003 FWK, instruction mode: Independent/Directed Studies; Hathaway, Marcia, 1-3 cr
18460 004 FWK, instruction mode: Independent/Directed Studies; Mauro PhD, Laura J., 1-3 cr
18461 005 FWK, instruction mode: Independent/Directed Studies; Noll PhD, Sally, 1-3 cr
18462 006 FWK, instruction mode: Independent/Directed Studies; Rozeboom, Kyle James, 1-3 cr
18463 007 FWK, instruction mode: Independent/Directed Studies; Seykora, Anthony James, 1-3 cr
18464 008 FWK, instruction mode: Independent/Directed Studies; Shurson, Gerald C, 1-3 cr
18465 009 FWK, instruction mode: Independent/Directed Studies; Stern, Marshall D, 1-3 cr
19803 010 FWK, instruction mode: Independent/Directed Studies; Raeth, Mary, 1-3 cr
25989 011 FWK, instruction mode: Independent/Directed Studies; Palmer PhD, Melissa L, 1-3 cr
26499 012 FWK, instruction mode: Independent/Directed Studies; Kollanoor Johny, Anup, 1-3 cr
26932 013 FWK, instruction mode: Independent/Directed Studies; DiCostanzo, Alfredo, 1-3 cr

4099 Special Workshop in Animal Science

(max crs 24; 6 repeats allowed)

12292 001 LEC, instruction mode: Classroom; Seykora, Anthony James, 1-4 cr
19842 002 LEC, instruction mode: Classroom; Feeding and Managing Cattle in the Feedlot Section; DiCostanzo, Alfredo, 1-4 cr

24483 004 LEC F, Room TBA, instruction mode: Classroom;
Animal Handling - 1 credit, A-F; Seykora, Anthony James,
1-4 cr

4401 Swine Nutrition

(prereq 2401, 3511 recommended)
12126 001 LEC, instruction mode: Correspondence; Web
based course with optional meeting times arranged.;
Shurson, Gerald C, 3 cr

4404 Applied Dairy Nutrition

(prereq AnSc 4403 recommended)
16725 001 LEC, 01:30pm-02:45pm MF, HckrH 205, STPAUL,
instruction mode: Classroom; Raeth, Mary, 2 cr

4603 Beef Production Systems Management

(Concurrent registration is required (or allowed) in 4613)
001 LEC, 08:30am-09:20am TTh, HckrH 205, STPAUL,
instruction mode: Classroom; Meets with: 17322 ANSC
4613; DiCostanzo, Alfredo
17295 002 LAB, 09:35am-12:20pm Th, HckrH 205, STPAUL,
instruction mode: Classroom; Meets with: 17323 ANSC
4613; DiCostanzo, Alfredo, 4 cr

4613 Advanced Beef Production Systems Management

(prereq 4603)
001 LEC, 08:30am-09:20am TTh, HckrH 205, STPAUL,
instruction mode: Classroom; Meets with: 17296 ANSC
4603; DiCostanzo, Alfredo
17323 002 LAB, 09:35am-12:20pm Th, HckrH 205, STPAUL,
instruction mode: Classroom; Meets with: 17295 ANSC
4603; DiCostanzo, Alfredo, 2 cr

5099 Special Workshop in Animal Science

(max crs 12; 3 repeats allowed; A-F only; prereq instr consent)
17967 001 LEC, instruction mode: Classroom, 1-6 cr

5200 Statistical Genetics and Genomics

(prereq [Stat 3021 or equiv], [BioI 4003 or equiv])
25958 001 LEC, 02:00pm-03:50pm T, HckrH 265G, STPAUL,
01:00pm-02:50pm Th, HckrH 265G, STPAUL, instruction
mode: Classroom; Da, Yang, 4 cr

5625 Nutritional Biochemistry

(prereq BIOC 3021 or instr consent)
21203 001 LEC, 04:30pm-05:45pm TTh, RuttanH 143,
STPAUL, instruction mode: Classroom; Meets with: 20733
NUTR 5625; Chen, Chi, 3 cr

5700 Cell Physiology

(A-F; prereq [Two semesters of physics/chemistry,
calculus, one semester of systems-level physiology] or
instr consent)
001 LEC, 10:40am-11:30am MWF, HckrH 205, STPAUL,
instruction mode: Partially Online; Meets with: 20047 PHSL
5700, 22713 PHSL 4700; O'Grady PhD, Scott M; Palmer
PhD, Melissa L
19993 002 DIS, 10:40am-11:30am T, HckrH 205, STPAUL,
instruction mode: Partially Online; O'Grady PhD, Scott M,
4 cr

8134 Ethical Conduct of Animal Research

(Credit will not be granted if credit has been received
for: CMB 8134, VMED 8134; A-F only; prereq Grad
student or prof school student or instr consent)
15304 001 LEC, 03:00pm-05:00pm Th, VetS 215, STPAUL,
instruction mode: Classroom; Meets with: 15274 CMB
8134, 15275 VMED 8134; Rutherford, Mark Stephen;
Graham PhD, Melanie L; Crooker, Brian A, 3 cr

8194 Research in Animal Genetics

(max crs 3; prereq instr consent)
12867 001 IND, instruction mode: Classroom; Hansen PhD,
Leslie Bennett, 1-3 cr

8294 Research in Muscle Chemistry and Physiology

(max crs 3; prereq instr consent)
12870 001 IND, instruction mode: Classroom, 1-3 cr

8311 Animal Bioenergetics

(A-F only; prereq instr consent ; BIOC 4331
recommended)
22824 001 LEC W, Room TBA, instruction mode: Classroom;
Baidoo PhD, Samuel Kofi; DiCostanzo, Alfredo, 3 cr

8312 Protein Metabolism

(A-F only; prereq BioC 4331)
16878 001 LEC, instruction mode: Classroom; DiCostanzo,
Alfredo; Baidoo PhD, Samuel Kofi, 3 cr

8330 Concepts and Developments in

Animal Nutrition
(max crs 8; 4 repeats allowed; A-F only; prereq instr
consent)
20147 001 DIS, instruction mode: Classroom; Stern, Marshall
D; Baidoo PhD, Samuel Kofi, 1-2 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS
consent)
13941 001 IND, instruction mode: Classroom, 1 cr

8340 Concepts and Developments in Swine Nutrition

(max crs 4; A-F only; prereq instr consent)
12871 001 DIS, instruction mode: Classroom, 2 cr

8394 Research in Animal Nutrition

(max crs 3; prereq instr consent)
12869 001 IND, instruction mode: Classroom, 1-3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS
consent)
14077 001 IND, instruction mode: Classroom, 1 cr

8494 Research in Animal Physiology

(max crs 3; prereq instr consent)
12868 001 IND, instruction mode: Classroom, 1-3 cr

8510 Graduate Seminar

(max crs 12; 12 repeats allowed; prereq instr consent)
12865 001 LEC, 03:00pm-04:00pm M, HckrH 365, STPAUL,
instruction mode: Classroom; Dayton, William R, 1 cr

8594 Research in Animal Science

(max crs 3; prereq instr consent)
12866 001 IND, instruction mode: Classroom, 1-3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has
not passed prelim oral; no required consent for 1st/2nd
registrations, up to 12 combined cr; dept consent for
3rd/4th registrations, up to 24 combined cr; doctoral
student admitted before summer 2007 may register up
to four times, up to 60 combined cr)
14195 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18
cr per semester or summer; 10 cr total required [Plan
A only])
14283 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18
cr per semester or summer; 24 cr required)
13715 001 IND, instruction mode: Classroom, 1-24 cr

8990 Curricular Practical Training

(max crs 2; S-N; prereq AnSc grad student, dept
consent)
26774 001 IND, instruction mode: Classroom, 1 cr

ANTHROPOLOGY (Anth)

395 HHHCtr, 301 19th Ave So, West Bank
Campus, Minneapolis, MN, 55455
612/625-3400, <http://anthropology.umn.edu/>

1001 Human Evolution

(meets CLE req of Biological Sciences)
001 LEC, 11:15am-12:30pm TTh, WilleyH 175, instruction
mode: Classroom; Standard Honors Contract options
are available. Please contact instructor.; Wilson, Michael
Lawrence; Monnier, Gilliane F
13912 002 LAB, 09:00am-11:00am M, BlegH 345, instruction
mode: Classroom; , 4 cr
13913 003 LAB, 11:15am-01:15pm M, BlegH 345, instruction
mode: Classroom; , 4 cr
13914 004 LAB, 01:30pm-03:30pm M, BlegH 345, instruction
mode: Classroom; , 4 cr
13915 005 LAB, 03:45pm-05:45pm M, BlegH 345, instruction
mode: Classroom; , 4 cr
13916 006 LAB, 08:45am-10:45am T, BlegH 345, instruction
mode: Classroom; , 4 cr
13917 007 LAB, 01:00pm-03:00pm T, BlegH 345, instruction
mode: Classroom; , 4 cr
13918 008 LAB, 03:15pm-05:15pm T, BlegH 345, instruction
mode: Classroom; , 4 cr
13919 009 LAB, 09:00am-11:00am W, BlegH 345, instruction
mode: Classroom; , 4 cr

13920 010 LAB, 11:15am-01:15pm W, BlegH 345, instruction
mode: Classroom; , 4 cr
13921 011 LAB, 01:30pm-03:30pm W, BlegH 345, instruction
mode: Classroom; , 4 cr
13922 012 LAB, 03:45pm-05:45pm W, BlegH 345, instruction
mode: Classroom; , 4 cr
13923 013 LAB, 08:45am-10:45am Th, BlegH 345, instruction
mode: Classroom; , 4 cr
13924 014 LAB, 01:00pm-03:00pm Th, BlegH 345, instruction
mode: Classroom; , 4 cr
34052 015 LAB, 11:15am-01:15pm F, BlegH 345, instruction
mode: Classroom, 4 cr
1020 LEC, 06:30pm-09:30pm T, BlegH 255, instruction mode:
Classroom
13926 1021 LAB, 06:00pm-08:00pm Th, BlegH 345,
instruction mode: Classroom; , 4 cr
13927 1022 LAB, 06:00pm-08:00pm M, BlegH 345, instruction
mode: Classroom; , 4 cr

1003V Understanding Cultures: Honors

(A-F; prereq Honors; meets CLE req of Global
Perspectives; meets CLE req of Social Sciences;
meets CLE req of Writing Intensive; meets HON req of
Honors)
001 LEC, 01:00pm-02:15pm TTh, AndH 310, instruction
mode: Classroom; Meets with: 11916 ANTH 1003W; Song,
Hoon
13350 002 DIS, 11:15am-12:05pm T, BlegH 335, instruction
mode: Classroom; Song, Hoon, 4 cr

1003W Understanding Cultures

(meets CLE req of Global Perspectives; meets CLE req
of Social Sciences; meets CLE req of Writing Intensive)
001 LEC, 01:00pm-02:15pm TTh, AndH 310, instruction
mode: Classroom; Meets with: 13349 ANTH 1003V; Song,
Hoon
11917 002 DIS, 02:30pm-03:20pm M, BlegH 335, instruction
mode: Classroom, 4 cr
11918 003 DIS, 10:10am-11:00am T, HHHCtr 30, instruction
mode: Classroom, 4 cr
11919 004 DIS, 11:15am-12:05pm T, BlegH 330, instruction
mode: Classroom, 4 cr
11920 005 DIS, 09:05am-09:55am W, HHHCtr 20, instruction
mode: Classroom, 4 cr
14484 006 DIS, 11:15am-12:05pm Th, BlegH 330, instruction
mode: Classroom, 4 cr
34408 007 DIS, 02:30pm-03:20pm Th, BlegH 330, instruction
mode: Classroom, 4 cr
22624 1010 LEC, 06:20pm-09:30pm T, . NORMREQD,
instruction mode: Classroom; , 4 cr

1904 Freshman Seminar

(A-F only; prereq freshman; meets CLE req of Global
Perspectives)
34029 001 LEC, 01:00pm-02:15pm MW, BlegH 225,
instruction mode: Classroom; Kersteter, Kara E; Valentine,
David, 3 cr
34375 002 LEC, 02:00pm-05:50pm W, . NORMREQD,
instruction mode: Classroom; McKay, Ramah, 3 cr

3001 Introduction to Archaeology

(meets CLE req of Social Sciences)
001 LEC, 09:05am-09:55am MWF, BlegH 255, instruction
mode: Classroom; Monnier, Gilliane F
20601 002 LAB, 12:20pm-02:15pm T, BlegH 318, instruction
mode: Classroom; , 4 cr
20602 003 LAB, 01:25pm-03:20pm M, BlegH 318, instruction
mode: Classroom; , 4 cr
24078 004 LAB, 10:10am-12:05pm T, BlegH 240, instruction
mode: Classroom; , 4 cr
25676 005 LAB, 10:15am-12:15pm Th, HHHCtr 20,
instruction mode: Classroom; , 4 cr

3003 Cultural Anthropology

(Credit will not be granted if credit has been received
for: GLOS 3003)
13354 001 LEC, 02:30pm-03:45pm TTh, AndH 230,
instruction mode: Classroom; Raheja, Gloria Goodwin; , 3
cr

3004 Great Controversies in Anthropology

(A-F only; meets CLE req of Global Perspectives;
meets CLE req of Social Sciences)
22435 001 LEC, 02:30pm-03:45pm TTh, BlegH 115,
instruction mode: Classroom; Gudeman, Stephen
Frederick, 3 cr

3005W Language, Culture, and Power

(meets CLE req of Diversity and Soc Justice US; meets
CLE req of Social Sciences; meets CLE req of Writing
Intensive)
001 LEC, 09:45am-11:00am MW, AndH 330, instruction
mode: Classroom; Valentine, David
26461 002 DIS, 11:15am-12:05pm M, HHHCtr 20, instruction
mode: Classroom; , 4 cr

26462 003 DIS, 02:30pm-03:20pm M, BlegH 330, instruction mode: Classroom; , 4 cr
 26463 004 DIS, 12:20pm-01:10pm T, BlegH 225, instruction mode: Classroom; , 4 cr
 26464 005 DIS, 09:05am-09:55am Th, BlegH 225, instruction mode: Classroom; , 4 cr

3023 Culture and Society of India

(Credit will not be granted if credit has been received for: GLOS 3961, ALL 3676; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)
 20598 001 LEC, 02:30pm-05:00pm W, BlegH 335, instruction mode: Classroom; Meets with: 21814 GLOS 3961; Raheja, Gloria Goodwin, 3 cr

3027W Archaeology of Prehistoric Europe

(Credit will not be granted if credit has been received for: ANTH 5027W, HIST 3067W; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)
 15032 001 LEC, 09:45am-11:00am MW, AndH 250, instruction mode: Classroom; Meets with: 11922 ANTH 5027W, 24249 HIST 3067W; Wells, Peter S, 3 cr

3035 Anthropologies of Death

(A-F only; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)
 34019 001 LEC, 11:15am-12:30pm MW, BlegH 120, instruction mode: Classroom; Langford, Jean M, 3 cr

3041 Ecological Anthropology

(Credit will not be granted if credit has been received for: ANTH 8213, ANTH 5041; prereq 1003 or instr consent)
 34020 001 LEC, 11:15am-12:30pm TTh, BlegH 130, instruction mode: Classroom; McLean, Stuart J, 3 cr

3242W Hero, Savage, or Equal?

Representations of NonWestern Peoples in the Movies

(A-F; meets CLE req of Writing Intensive)
 34021 001 LEC, 01:00pm-04:00pm Th, . NONSTD-TBA, instruction mode: Classroom; Lipset, David M, 3 cr

3405 Human Skeletal Analysis

(Credit will not be granted if credit has been received for: ANTH 5405; prereq 1001 or instr consent)
 001 LEC, 10:10am-12:05pm MW, BlegH 318, instruction mode: Classroom; McNulty, Kieran P
 34617 002 LAB, instruction mode: Classroom, 4 cr

3913 Senior Project Planning

(A-F; prereq [Jr or sr] anth major, instr consent)
 11921 001 IND, instruction mode: Classroom; Beeman, William O, 1 cr
 21508 002 IND, instruction mode: Classroom; Gudeman, Stephen Frederick, 1 cr
 21509 003 IND, instruction mode: Classroom; Hayes, Katherine F H, 1 cr
 21510 004 IND, instruction mode: Classroom; Ho, Karen, 1 cr
 21511 005 IND, instruction mode: Classroom; Kersteter, Kara E; Langford, Jean M, 1 cr
 21512 006 IND, instruction mode: Classroom; Lipset, David M, 1 cr
 21513 007 IND, instruction mode: Classroom; McKay, Ramah, 1 cr
 21514 008 IND, instruction mode: Classroom; McLean, Stuart J, 1 cr
 21515 009 IND, instruction mode: Classroom; McNulty, Kieran P, 1 cr
 21516 010 IND, instruction mode: Classroom; Monnier, Gilliane F, 1 cr
 21517 011 IND, instruction mode: Classroom; Raheja, Gloria Goodwin, 1 cr
 21518 012 IND, instruction mode: Classroom; Song, Hoon, 1 cr
 21519 013 IND, instruction mode: Classroom; Tappen, Martha, 1 cr
 21520 014 IND, instruction mode: Classroom; Taussig, Karen-Sue, 1 cr
 21521 015 IND, instruction mode: Classroom; Tostevin, Gilbert B, 1 cr
 21522 016 IND, instruction mode: Classroom; Valentine, David, 1 cr
 21523 017 IND, instruction mode: Classroom; Wells, Peter S, 1 cr
 21524 018 IND, instruction mode: Classroom; Wilson, Michael Lawrence, 1 cr

4001 Advanced Method and Theory in Archaeology

(max crs 9; 3 repeats allowed; prereq 3001)
 23689 001 LEC, 01:25pm-04:25pm F, HHHctr 389, instruction mode: Classroom; Topic prereq - Anth 3001; Meets with: 34286 ANTH 5221; Tostevin, Gilbert B, 3 cr

4007 Laboratory Techniques in Archaeology

(max crs 12; 3 repeats allowed; prereq instr consent; Credit will not be granted if the student has already completed Anth 3007)
 34024 001 FWK, instruction mode: Classroom; Kersteter, Kara E; Edling, Matt John, 1-4 cr

4013 Senior Project

(prereq sr major, instr consent)
 11989 001 IND, instruction mode: Classroom; Beeman, William O, 3 cr
 21525 002 IND, instruction mode: Classroom; Gudeman, Stephen Frederick, 3 cr
 21526 003 IND, instruction mode: Classroom; Hayes, Katherine F H, 3 cr
 21527 004 IND, instruction mode: Classroom; Ho, Karen, 3 cr
 21528 005 IND, instruction mode: Classroom; Langford, Jean M, 3 cr
 21529 006 IND, instruction mode: Classroom; Lipset, David M, 3 cr
 21530 007 IND, instruction mode: Classroom; McKay, Ramah, 3 cr
 21531 008 IND, instruction mode: Classroom; McLean, Stuart J, 3 cr
 21532 009 IND, instruction mode: Classroom; McNulty, Kieran P, 3 cr
 21533 010 IND, instruction mode: Classroom; Monnier, Gilliane F, 3 cr
 21534 011 IND, instruction mode: Classroom; Raheja, Gloria Goodwin, 3 cr
 21535 012 IND, instruction mode: Classroom; Song, Hoon, 3 cr
 21536 013 IND, instruction mode: Classroom; Tappen, Martha, 3 cr
 21537 014 IND, instruction mode: Classroom; Taussig, Karen-Sue, 3 cr
 21538 015 IND, instruction mode: Classroom; Tostevin, Gilbert B, 3 cr
 21539 016 IND, instruction mode: Classroom; Valentine, David, 3 cr
 21540 017 IND, instruction mode: Classroom; Wells, Peter S, 3 cr
 21541 018 IND, instruction mode: Classroom; Wilson, Michael Lawrence, 3 cr

4013H Senior Honors Thesis Project

(A-F; prereq Sr major, honors student, instr consent; meets HON req of Honors)
 21677 001 IND, instruction mode: Independent/Directed Studies; Beeman, William O, 3 cr
 21678 002 IND, instruction mode: Independent/Directed Studies; Gudeman, Stephen Frederick, 3 cr
 21679 003 IND, instruction mode: Independent/Directed Studies; Hayes, Katherine F H, 3 cr
 21680 004 IND, instruction mode: Independent/Directed Studies; Ho, Karen, 3 cr
 21681 005 IND, instruction mode: Independent/Directed Studies; Langford, Jean M, 3 cr
 21682 006 IND, instruction mode: Independent/Directed Studies; Lipset, David M, 3 cr
 21683 007 IND, instruction mode: Independent/Directed Studies; McKay, Ramah, 3 cr
 21684 008 IND, instruction mode: Independent/Directed Studies; McLean, Stuart J, 3 cr
 21685 009 IND, instruction mode: Independent/Directed Studies; McNulty, Kieran P, 3 cr
 21686 010 IND, instruction mode: Independent/Directed Studies; Monnier, Gilliane F, 3 cr
 21687 011 IND, instruction mode: Independent/Directed Studies; Raheja, Gloria Goodwin, 3 cr
 21688 012 IND, instruction mode: Independent/Directed Studies; Song, Hoon, 3 cr
 21689 013 IND, instruction mode: Independent/Directed Studies; Tappen, Martha, 3 cr
 21690 014 IND, instruction mode: Independent/Directed Studies; Taussig, Karen-Sue, 3 cr
 21691 015 IND, instruction mode: Independent/Directed Studies; Tostevin, Gilbert B, 3 cr
 21692 016 IND, instruction mode: Independent/Directed Studies; Valentine, David, 3 cr
 21693 017 IND, instruction mode: Independent/Directed Studies; Wells, Peter S, 3 cr
 21694 018 IND, instruction mode: Independent/Directed Studies; Wilson, Michael Lawrence, 3 cr

4025 Studies in Ethnographic Classics

(A-F only; prereq 1003 or 1005)
 25677 001 LEC, 04:00pm-05:15pm TTh, BlegH 335, instruction mode: Classroom; Song, Hoon, 3 cr

4035 Ethnographic Research Methods

(prereq 1003 or 1005 or grad student)
 24088 001 FWK, 09:45am-11:00am MW, BlegH 210, instruction mode: Classroom; Ho, Karen, 3 cr

4047 Anthropology of American Culture

(meets CLE req of Social Sciences)
 22649 001 LEC, 09:45am-11:00am TTh, BlegH 150, instruction mode: Classroom; Ho, Karen, 3 cr

4053 Economy, Culture, and Critique

(Credit will not be granted if credit has been received for: ANTH 8205; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)
 22436 001 LEC, 01:00pm-02:15pm MW, BlegH 260, instruction mode: Classroom; Gudeman, Stephen Frederick, 3 cr

4329 Primate Ecology and Social Behavior

(A-F only; prereq 1001 or BIOL 1009 or BIOL 2002 or BIOL 3411 or instr consent)
 001 LEC, instruction mode: Classroom
 25089 002 DIS, instruction mode: Classroom, 3 cr
 25090 003 DIS, instruction mode: Classroom, 3 cr

4991 Independent Study

(max crs 6; prereq instr consent)
 11923 001 IND, instruction mode: Classroom; Beeman, William O, 1-6 cr
 21660 002 IND, instruction mode: Classroom; Gudeman, Stephen Frederick, 1-6 cr
 21661 003 IND, instruction mode: Classroom; Hayes, Katherine F H, 1-6 cr
 21662 004 IND, instruction mode: Classroom; Ho, Karen, 1-6 cr
 21663 005 IND, instruction mode: Classroom; Langford, Jean M, 1-6 cr
 21664 006 IND, instruction mode: Classroom; Lipset, David M, 1-6 cr
 21665 007 IND, instruction mode: Classroom; McKay, Ramah, 1-6 cr
 21666 008 IND, instruction mode: Classroom; McLean, Stuart J, 1-6 cr
 21667 009 IND, instruction mode: Classroom; McNulty, Kieran P, 1-6 cr
 21668 010 IND, instruction mode: Classroom; Monnier, Gilliane F, 1-6 cr
 21669 011 IND, instruction mode: Classroom; Raheja, Gloria Goodwin, 1-6 cr
 21670 012 IND, instruction mode: Classroom; Song, Hoon, 1-6 cr
 21671 013 IND, instruction mode: Classroom; Tappen, Martha, 1-6 cr
 21672 014 IND, instruction mode: Classroom; Taussig, Karen-Sue, 1-6 cr
 21673 015 IND, instruction mode: Classroom; Tostevin, Gilbert B, 1-6 cr
 21674 016 IND, instruction mode: Classroom; Valentine, David, 1-6 cr
 21675 017 IND, instruction mode: Classroom; Wells, Peter S, 1-6 cr
 21676 018 IND, instruction mode: Classroom; Wilson, Michael Lawrence, 1-6 cr

4992 Directed Readings

(max crs 6; prereq instr consent)
 11924 001 IND, instruction mode: Classroom; Beeman, William O, 1-6 cr
 21643 002 IND, instruction mode: Classroom; Gudeman, Stephen Frederick, 1-6 cr
 21644 003 IND, instruction mode: Classroom; Hayes, Katherine F H, 1-6 cr
 21645 004 IND, instruction mode: Classroom; Ho, Karen, 1-6 cr
 21646 005 IND, instruction mode: Classroom; Langford, Jean M, 1-6 cr
 21647 006 IND, instruction mode: Classroom; Lipset, David M, 1-6 cr
 21648 007 IND, instruction mode: Classroom; McKay, Ramah, 1-6 cr
 21649 008 IND, instruction mode: Classroom; McLean, Stuart J, 1-6 cr
 21650 009 IND, instruction mode: Classroom; McNulty, Kieran P, 1-6 cr
 21651 010 IND, instruction mode: Classroom; Monnier, Gilliane F, 1-6 cr
 21652 011 IND, instruction mode: Classroom; Raheja, Gloria Goodwin, 1-6 cr
 21653 012 IND, instruction mode: Classroom; Song, Hoon, 1-6 cr
 21654 013 IND, instruction mode: Classroom; Tappen, Martha, 1-6 cr
 21655 014 IND, instruction mode: Classroom; Taussig, Karen-Sue, 1-6 cr
 21656 015 IND, instruction mode: Classroom; Tostevin, Gilbert B, 1-6 cr
 21657 016 IND, instruction mode: Classroom; Valentine, David, 1-6 cr
 21658 017 IND, instruction mode: Classroom; Wells, Peter S, 1-6 cr

21659 018 IND, instruction mode: Classroom; Wilson, Michael Lawrence, 1-6 cr

4993 Directed Study

(max crs 6; prereq instr consent)

11925 001 IND, instruction mode: Classroom; Beeman, William O, 1-6 cr
 21625 002 IND, instruction mode: Classroom; Gudeman, Stephen Frederick, 1-6 cr
 21626 003 IND, instruction mode: Classroom; Hayes, Katherine F H, 1-6 cr
 21627 004 IND, instruction mode: Classroom; Ho, Karen, 1-6 cr
 21628 005 IND, instruction mode: Classroom; Langford, Jean M, 1-6 cr
 21629 006 IND, instruction mode: Classroom; Lipset, David M, 1-6 cr
 21630 007 IND, instruction mode: Classroom; McKay, Ramah, 1-6 cr
 21631 008 IND, instruction mode: Classroom; McLean, Stuart J, 1-6 cr
 21632 009 IND, instruction mode: Classroom; McNulty, Kieran P, 1-6 cr
 21633 010 IND, instruction mode: Classroom; Monnier, Gilliane F, 1-6 cr
 21634 011 IND, instruction mode: Classroom; Raheja, Gloria Goodwin, 1-6 cr
 21635 012 IND, instruction mode: Classroom; Song, Hoon, 1-6 cr
 21636 013 IND, instruction mode: Classroom; Tappen, Martha, 1-6 cr
 21637 014 IND, instruction mode: Classroom; Taussig, Karen-Sue, 1-6 cr
 21638 015 IND, instruction mode: Classroom; Tostevin, Gilbert B, 1-6 cr
 21639 016 IND, instruction mode: Classroom; Valentine, David, 1-6 cr
 21640 017 IND, instruction mode: Classroom; Wells, Peter S, 1-6 cr
 21641 018 IND, instruction mode: Classroom; Wilson, Michael Lawrence, 1-6 cr

4994W Directed Research

(max crs 6; prereq instr consent; meets CLE req of Writing Intensive)

11926 001 IND, instruction mode: Classroom; Beeman, William O, 1-6 cr
 21609 002 IND, instruction mode: Classroom; Gudeman, Stephen Frederick, 1-6 cr
 21610 003 IND, instruction mode: Classroom; Hayes, Katherine F H, 1-6 cr
 21611 004 IND, instruction mode: Classroom; Ho, Karen, 1-6 cr
 21612 005 IND, instruction mode: Classroom; Langford, Jean M, 1-6 cr
 21613 006 IND, instruction mode: Classroom; Lipset, David M, 1-6 cr
 21614 007 IND, instruction mode: Classroom; McKay, Ramah, 1-6 cr
 21615 008 IND, instruction mode: Classroom; McLean, Stuart J, 1-6 cr
 21616 009 IND, instruction mode: Classroom; McNulty, Kieran P, 1-6 cr
 21617 010 IND, instruction mode: Classroom; Monnier, Gilliane F, 1-6 cr
 21618 011 IND, instruction mode: Classroom; Raheja, Gloria Goodwin, 1-6 cr
 21619 012 IND, instruction mode: Classroom; Song, Hoon, 1-6 cr
 21620 013 IND, instruction mode: Classroom; Tappen, Martha, 1-6 cr
 21621 014 IND, instruction mode: Classroom; Taussig, Karen-Sue, 1-6 cr
 21622 015 IND, instruction mode: Classroom; Tostevin, Gilbert B, 1-6 cr
 21623 016 IND, instruction mode: Classroom; Valentine, David, 1-6 cr
 21624 017 IND, instruction mode: Classroom; Wells, Peter S, 1-6 cr
 14555 018 IND, instruction mode: Classroom; Wilson, Michael Lawrence, 1-6 cr

5027W Archaeology of Prehistoric Europe

(Credit will not be granted if credit has been received for: ANTH 3027W, HIST 3067W; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

11922 001 LEC, 09:45am-11:00am MW, AndH 250, instruction mode: Classroom; Meets with: 15032 ANTH 3027W, 24249 HIST 3067W; Wells, Peter S, 3 cr

5221 Anthropology of Material Culture

(A-F only)

34286 001 LEC, 01:25pm-04:25pm F, HHHctr 389, instruction mode: Classroom; Meets with: 23689 ANTH 4001; Tostevin, Gilbert B, 3 cr

5269 Analysis of Stone Tool Technology

(A-F only; prereq 3001 or instr consent)

25085 001 LAB, 01:25pm-03:20pm TTh, BlegH 318, instruction mode: Classroom; Tostevin, Gilbert B, 4 cr

5442 Archaeology of the British Isles

(A-F)

18139 001 LEC, 02:30pm-04:25pm T, HHHctr 389, instruction mode: Classroom; Meets with: 16722 ANTH 8510, 20624 MEST 5610; Wells, Peter S, 3 cr

5980 Topics in Anthropology

(max crs 6)

26047 002 LEC, 11:15am-12:30pm TTh, SocSci 278, instruction mode: Classroom; Sheldon PhD, Amy, 3 cr

8001 Ethnography, Theory, History

(A-F only)

33972 001 LEC, 01:00pm-03:30pm W, HHHctr 389, instruction mode: Classroom; Lipset, David M, 3 cr

8005 Linguistic Anthropology

34393 001 LEC, 09:00am-11:30am Th, HHHctr 389, instruction mode: Classroom; Kersteter, Kara E; Beeman, William O, 3 cr

8111 Evolutionary Morphology

33973 001 LEC, 01:00pm-04:00pm Th, HHHctr 389, instruction mode: Classroom; McNulty, Kieran P, 3 cr

8333 FTE: Masters

(NGA; prereq Master's student, adviser and DGS consent)

13942 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14078 001 IND, instruction mode: Classroom, 1 cr

8510 Topics in Archaeology

(max crs 9; 3 repeats allowed)

16722 001 LEC, 02:30pm-04:25pm T, HHHctr 389, instruction mode: Classroom; Archaeology of the British Isles; Meets with: 18139 ANTH 5442, 20624 MEST 5610; Wells, Peter S, 3-9 cr; Archaeology of the British Isles
 33974 002 LEC, 02:30pm-05:00pm W, HHHctr 35, instruction mode: Classroom; Hayes, Katherine F H, 3-9 cr; Archaeology, Colonialism & Memory

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14196 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14284 001 IND, instruction mode: Classroom, 1-18 cr

8810 Topics in Sociocultural Anthropology

(max crs 9; 3 repeats allowed)

25678 002 LEC, 02:00pm-05:00pm Th, HHHctr 35, instruction mode: Classroom; McKay, Ramah, 3-9 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13716 001 IND, instruction mode: Classroom, 1-24 cr

8991 Independent Study

(max crs 18; prereq instr consent)

11927 001 IND, instruction mode: Classroom; Beeman, William O, 1-18 cr
 21592 002 IND, instruction mode: Classroom; Gudeman, Stephen Frederick, 1-18 cr
 21593 003 IND, instruction mode: Classroom; Hayes, Katherine F H, 1-18 cr
 21594 004 IND, instruction mode: Classroom; Ho, Karen, 1-18 cr
 21595 005 IND, instruction mode: Classroom; Langford, Jean M, 1-18 cr
 21596 006 IND, instruction mode: Classroom; Lipset, David M, 1-18 cr
 21597 007 IND, instruction mode: Classroom; McKay, Ramah, 1-18 cr
 21598 008 IND, instruction mode: Classroom; McLean, Stuart J, 1-18 cr
 21599 009 IND, instruction mode: Classroom; McNulty, Kieran P, 1-18 cr

21600 010 IND, instruction mode: Classroom; Monnier, Gilliane F, 1-18 cr
 21601 011 IND, instruction mode: Classroom; Raheja, Gloria Goodwin, 1-18 cr
 21602 012 IND, instruction mode: Classroom; Song, Hoon, 1-18 cr
 21603 013 IND, instruction mode: Classroom; Tappen, Martha, 1-18 cr
 21604 014 IND, instruction mode: Classroom; Taussig, Karen-Sue, 1-18 cr
 21605 015 IND, instruction mode: Classroom; Tostevin, Gilbert B, 1-18 cr
 21606 016 IND, instruction mode: Classroom; Valentine, David, 1-18 cr
 21607 017 IND, instruction mode: Classroom; Wells, Peter S, 1-18 cr
 21608 018 IND, instruction mode: Classroom; Wilson, Michael Lawrence, 1-18 cr

8992 Directed Reading

(max crs 54; 3 repeats allowed; prereq instr consent)

11928 001 IND, instruction mode: Classroom; Beeman, William O, 1-18 cr
 21575 002 IND, instruction mode: Classroom; Gudeman, Stephen Frederick, 1-18 cr
 21576 003 IND, instruction mode: Classroom; Hayes, Katherine F H, 1-18 cr
 21577 004 IND, instruction mode: Classroom; Ho, Karen, 1-18 cr
 21578 005 IND, instruction mode: Classroom; Langford, Jean M, 1-18 cr
 21579 006 IND, instruction mode: Classroom; Lipset, David M, 1-18 cr
 21580 007 IND, instruction mode: Classroom; McKay, Ramah, 1-18 cr
 21581 008 IND, instruction mode: Classroom; McLean, Stuart J, 1-18 cr
 21582 009 IND, instruction mode: Classroom; McNulty, Kieran P, 1-18 cr
 21583 010 IND, instruction mode: Classroom; Monnier, Gilliane F, 1-18 cr
 21584 011 IND, instruction mode: Classroom; Raheja, Gloria Goodwin, 1-18 cr
 21585 012 IND, 10:00am-12:30pm F, BlegH 430, instruction mode: Classroom; Song, Hoon, 1-18 cr
 21586 013 IND, instruction mode: Classroom; Tappen, Martha, 1-18 cr
 21587 014 IND, instruction mode: Classroom; Taussig, Karen-Sue, 1-18 cr
 21588 015 IND, instruction mode: Classroom; Tostevin, Gilbert B, 1-18 cr
 21589 016 IND, instruction mode: Classroom; Valentine, David, 1-18 cr
 21590 017 IND, instruction mode: Classroom; Wells, Peter S, 1-18 cr
 21591 018 IND, instruction mode: Classroom; Wilson, Michael Lawrence, 1-18 cr

8993 Directed Study

(max crs 18; 3 repeats allowed; prereq instr consent)

11929 001 IND, instruction mode: Classroom; Beeman, William O, 1-18 cr
 21559 002 IND, instruction mode: Classroom; Gudeman, Stephen Frederick, 1-18 cr
 21560 003 IND, instruction mode: Classroom; Hayes, Katherine F H, 1-18 cr
 21561 004 IND, instruction mode: Classroom; Ho, Karen, 1-18 cr
 21562 005 IND, instruction mode: Classroom; Langford, Jean M, 1-18 cr
 21563 006 IND, instruction mode: Classroom; Lipset, David M, 1-18 cr
 21564 007 IND, instruction mode: Classroom; McKay, Ramah, 1-18 cr
 21565 008 IND, instruction mode: Classroom; McLean, Stuart J, 1-18 cr
 21566 009 IND, instruction mode: Classroom; McNulty, Kieran P, 1-18 cr
 21567 010 IND, instruction mode: Classroom; Monnier, Gilliane F, 1-18 cr
 21568 011 IND, instruction mode: Classroom; Raheja, Gloria Goodwin, 1-18 cr
 21569 012 IND, instruction mode: Classroom; Song, Hoon, 1-18 cr
 21570 013 IND, instruction mode: Classroom; Tappen, Martha, 1-18 cr
 21571 014 IND, instruction mode: Classroom; Taussig, Karen-Sue, 1-18 cr
 21572 015 IND, instruction mode: Classroom; Tostevin, Gilbert B, 1-18 cr
 21573 016 IND, instruction mode: Classroom; Valentine, David, 1-18 cr
 21574 017 IND, instruction mode: Classroom; Wells, Peter S, 1-18 cr
 17040 018 IND, instruction mode: Classroom; Wilson, Michael Lawrence, 1-18 cr

8994 Directed Research

(max crs 18; prereq instr consent)
 11930 001 FWK, instruction mode: Classroom; Beeman, William O, 1-18 cr
 21542 002 FWK, instruction mode: Classroom; Gudeman, Stephen Frederick, 1-18 cr
 21543 003 FWK, instruction mode: Classroom; Hayes, Katherine F H, 1-18 cr
 21544 004 FWK, instruction mode: Classroom; Ho, Karen, 1-18 cr
 21545 005 FWK, instruction mode: Classroom; Langford, Jean M, 1-18 cr
 21546 006 FWK, instruction mode: Classroom; Lipset, David M, 1-18 cr
 21547 007 FWK, instruction mode: Classroom; McKay, Ramah, 1-18 cr
 21548 008 FWK, instruction mode: Classroom; McLean, Stuart J, 1-18 cr
 21549 009 FWK, instruction mode: Classroom; McNulty, Kieran P, 1-18 cr
 21550 010 FWK, instruction mode: Classroom; Monnier, Gilliane F, 1-18 cr
 21551 011 FWK, instruction mode: Classroom; Raheja, Gloria Goodwin, 1-18 cr
 21552 012 FWK, instruction mode: Classroom; Song, Hoon, 1-18 cr
 21553 013 FWK, instruction mode: Classroom; Tappen, Martha, 1-18 cr
 21554 014 FWK, instruction mode: Classroom; Taussig, Karen-Sue, 1-18 cr
 21555 015 FWK, instruction mode: Classroom; Tostevin, Gilbert B, 1-18 cr
 21556 016 FWK, instruction mode: Classroom; Valentine, David, 1-18 cr
 21557 017 FWK, instruction mode: Classroom; Wells, Peter S, 1-18 cr
 21558 018 FWK, instruction mode: Classroom; Wilson, Michael Lawrence, 1-18 cr

APPAREL DESIGN (ADes)

240 McNeal Hall, 1985 Buford Ave, St. Paul Campus, St. Paul, MN, 55108
 612/624-9700, <http://dha.design.umn.edu>

1221 Apparel Assembly Fundamentals

(A-F only; prereq Pre-apparel design major or instr consent; credit will not be granted if credit already received for:

16166 001 LAB, 11:45am-01:40pm MW, McNH 212, STPAUL, instruction mode: Classroom; , 3 cr
 16167 002 LAB, 08:30am-10:25am MW, McNH 212, STPAUL, instruction mode: Classroom; , 3 cr

2196 Work Experience in Apparel Design

(max crs 8; S-N; prereq Plan submitted/approved by [adviser, internship supervisor], written approval of supervisor, instr consent)

18108 001 FWK, instruction mode: Classroom; Bye, Elizabeth K, 1-4 cr
 18109 002 FWK, instruction mode: Classroom; LaBat, Karen Louise, 1-4 cr
 18110 003 FWK, instruction mode: Classroom; DeLong, Marilyn R, 1-4 cr
 18111 004 FWK, instruction mode: Classroom; Dunne, Lucy Elizabeth, 1-4 cr

2213 Textile Analysis

(A-F only; prereq DHA major or pre-major or instr consent; credit will not be granted if credit already received for: DHA 2213)

001 LEC, 08:30am-09:20am MW, McNH 33, STPAUL, instruction mode: Classroom; Only if you are unable to add your name to the online waitlist, please email cdespn@umn.edu; LaBat, Karen Louise
 12788 002 LAB, 09:35am-11:30am MW, McNH 322, STPAUL, instruction mode: Classroom; 12 seats reserved for Retail Merchandising mjr, jr o - EXPIRES 04-SEP-2015; 3 seats reserved for ADes mjr - EXPIRES 04-SEP-2015; 3 seats reserved for RM Degree in 3 students - EXPIRES 04-SEP-2015, 4 cr
 12789 003 LAB, 12:50pm-02:45pm TTh, McNH 322, STPAUL, instruction mode: Classroom; 18 seats reserved for IDes mjr - EXPIRES 04-SEP-2015, 4 cr
 12790 004 LAB, 04:05pm-06:00pm MW, McNH 322, STPAUL, instruction mode: Classroom; 12 seats reserved for ADes mjr - EXPIRES 04-SEP-2015; 6 seats reserved for IDes mjr - EXPIRES 04-SEP-2015, 4 cr
 13809 005 LAB, 03:00pm-04:55pm TTh, McNH 322, STPAUL, instruction mode: Classroom; 6 seats reserved for ADes mjr - EXPIRES 04-SEP-2015; 12 seats reserved for IDes mjr - EXPIRES 04-SEP-2015, 4 cr

2222 Apparel Design Studio II

(A-F only; prereq [2221 or DHA 2221] with a grade of at least C-; Apparel Design major, pass portfolio review; credit will not be granted if credit already received for: DHA 2222)

21345 001 LEC, 10:40am-01:40pm TTh, McNH 212, STPAUL, 10:40am-01:40pm TTh, McNH 305, STPAUL, instruction mode: Classroom, 4 cr

3217 Fashion: Trends and Communication

(A-F only; credit will not be granted if credit already received for: DHA 3217)

12791 001 DIS, 08:45am-10:00am TTh, McNH 144, STPAUL, instruction mode: Classroom; Only if you are unable to add your name to the online waitlist, please email cdespn@umn.edu; 24 seats reserved for ADes mjr - EXPIRES 04-SEP-2015; DeLong, Marilyn R, 3 cr

3227 Technical Design Studio

(A-F; prereq 2213, [3223 with grade of C or above])

22313 001 LAB, 01:55pm-04:55pm TTh, McNH 212, STPAUL, 01:55pm-04:55pm TTh, McNH 216, STPAUL, instruction mode: Classroom; Dunne, Lucy Elizabeth, 4 cr

4160H Honors Capstone Project

(max crs 4; A-F; prereq DHA honors; meets HON req of Honors)

19634 001 LEC, instruction mode: Classroom; Credit will not be granted if credit already received for: DHA 4160H; Bye, Elizabeth K, 2 cr
 19629 002 LEC, instruction mode: Classroom; LaBat, Karen Louise, 2 cr
 19631 003 LEC, instruction mode: Classroom; DeLong, Marilyn R, 2 cr
 19630 004 LEC, instruction mode: Classroom; Dunne, Lucy Elizabeth, 2 cr

4193 Directed Study in Apparel Design

(max crs 8; A-F only; prereq Undergrad, instr consent)

17259 001 IND, instruction mode: Independent/Directed Studies; Bye, Elizabeth K, 1-4 cr
 17261 002 IND, instruction mode: Independent/Directed Studies; LaBat, Karen Louise, 1-4 cr
 17262 003 IND, instruction mode: Independent/Directed Studies; DeLong, Marilyn R, 1-4 cr
 17263 004 IND, instruction mode: Independent/Directed Studies; Dunne, Lucy Elizabeth, 1-4 cr

4196 Internship in Apparel Design

(Credit will not be granted if credit has been received for: GDES 4196, HSG 4196; max crs 4; S-N only; prereq Completion of at least one-half of professional sequence, plan submitted and approved in advance by adviser and internship supervisor, written consent of faculty supervisor, instr consent; credit will not be granted if credit already received for: DHA 4196)

13646 001 FWK, instruction mode: Classroom; Bye, Elizabeth K, 1-4 cr
 16280 002 FWK, instruction mode: Classroom; LaBat, Karen Louise, 1-4 cr
 16281 003 FWK, instruction mode: Classroom; DeLong, Marilyn R, 1-4 cr
 16282 004 FWK, instruction mode: Classroom; Dunne, Lucy Elizabeth, 1-4 cr

4218W Fashion, Design, and the Global Industry

(max crs 6; A-F; prereq Upper level undergraduate or grad student; meets CLE req of Writing Intensive)

22700 001 LEC, instruction mode: Correspondence; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; Meets with: 22701 APST 5218; Wu, Juanjuan, 3 cr

4225 Apparel Design Studio V

(A-F only; prereq [[3224 or DHA 3224], [3225 or DHA 3225]] with grade of at least C-, apparel design major; credit will not be granted if credit already received for: DHA 4225)

13321 001 LAB, 01:55pm-04:55pm MW, McNH 205, STPAUL, instruction mode: Classroom, 4 cr

APPAREL STUDIES (ApSt)

240 McNeal Hall, 1985 Buford Ave, St. Paul Campus, St. Paul, MN, 55108
 612/624-9700, <http://dha.design.umn.edu>

5193 Directed Study in Apparel Studies

(max crs 8; A-F only; prereq instr consent)

12873 001 IND, instruction mode: Classroom; Bye, Elizabeth K, 1-4 cr
 16284 002 IND, instruction mode: Classroom; LaBat, Karen Louise, 1-4 cr

16285 003 IND, instruction mode: Classroom; DeLong, Marilyn R, 1-4 cr
 16286 004 IND, instruction mode: Classroom; Dunne, Lucy Elizabeth, 1-4 cr
 16287 005 IND, instruction mode: Classroom; Johnson PhD, Kim KP, 1-4 cr
 16288 006 IND, instruction mode: Classroom; Kim, Hye-Young, 1-4 cr
 16289 007 IND, instruction mode: Classroom; Wu, Juanjuan, 1-4 cr
 25507 008 IND, instruction mode: Classroom; Im, Hyunjo, 1-4 cr

5218 Fashion, Design, and the Global Industry

(A-F)

22701 001 LEC, instruction mode: Correspondence; Meets with: 22700 ADES 4218W; Wu, Juanjuan, 3 cr

8192 Readings in Apparel Studies

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent; credit will not be granted if credit already received for: DHA 8192)

20432 001 IND, instruction mode: Classroom; Bye, Elizabeth K, 1-3 cr
 20433 002 IND, instruction mode: Classroom; LaBat, Karen Louise, 1-3 cr
 20434 003 IND, instruction mode: Classroom; DeLong, Marilyn R, 1-3 cr
 20435 004 IND, instruction mode: Classroom; Dunne, Lucy Elizabeth, 1-3 cr
 20436 005 IND, instruction mode: Classroom; Johnson PhD, Kim KP, 1-3 cr
 20437 006 IND, instruction mode: Classroom; Kim, Hye-Young, 1-3 cr
 20438 007 IND, instruction mode: Classroom; Wu, Juanjuan, 1-3 cr
 25508 008 IND, instruction mode: Classroom; Im, Hyunjo, 1-3 cr

8193 Directed Study

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent; credit will not be granted if credit already received for: DHA 8193)

20431 001 IND, instruction mode: Classroom; Bye, Elizabeth K, 1-3 cr
 20425 002 IND, instruction mode: Classroom; LaBat, Karen Louise, 1-3 cr
 20426 003 IND, instruction mode: Classroom; DeLong, Marilyn R, 1-3 cr
 20427 004 IND, instruction mode: Classroom; Dunne, Lucy Elizabeth, 1-3 cr
 20428 005 IND, instruction mode: Classroom; Johnson PhD, Kim KP, 1-3 cr
 20429 006 IND, instruction mode: Classroom; Kim, Hye-Young, 1-3 cr
 20430 007 IND, instruction mode: Classroom; Wu, Juanjuan, 1-3 cr

8222 Plan B Master's Project

(S-N only; prereq DHA master's student, instr consent; credit will not be granted if credit already received for: DHA 8222)

20444 001 IND, instruction mode: Classroom; Bye, Elizabeth K, 3 cr
 20445 002 IND, instruction mode: Classroom; LaBat, Karen Louise, 3 cr
 20446 003 IND, instruction mode: Classroom; DeLong, Marilyn R, 3 cr
 20447 004 IND, instruction mode: Classroom; Dunne, Lucy Elizabeth, 3 cr
 20448 005 IND, instruction mode: Classroom; Johnson PhD, Kim KP, 3 cr
 20449 006 IND, instruction mode: Classroom; Kim, Hye-Young, 3 cr
 20450 007 IND, instruction mode: Classroom; Wu, Juanjuan, 3 cr
 25509 008 IND, instruction mode: Classroom; Im, Hyunjo, 3 cr

8271 Retailing: Strategic Perspectives

(A-F only)

31570 1001 LEC, 04:30pm-07:15pm T, McNH 305, STPAUL, instruction mode: Classroom; Kim, Hye-Young, 3 cr

APPLIED BUSINESS (ABus)

20 Ruttan Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 55108
 612/624-4000, <http://onestop2.umn.edu/courses/courses.jsp?designator=ABUS&submit=Show+the+courses&campus=UMNTC>

3065 Computer Security for the Business Professional

(prereq Basic computer/internet navigation skills, laptop with minimum 2GB ram/DVD player/Windows XP)

20982 I001 LEC, 06:00pm-08:45pm T, FordH 127, instruction mode: Classroom; Windows format only.; Meets with: 20759 INET 3065; Estrem, LeAllan James, 3 cr

4993 Directed Study

(max crs 6; prereq instr consent , dept consent)

14386 001 LEC, instruction mode: Classroom; You may download a Student/ Faculty Agreement Form at <http://cce.umn.edu/documents/DCP/BAS-Student-Faculty-Agreement.doc>, 1-3 cr

14940 002 LEC, instruction mode: Classroom; You may download a Student/ Faculty Agreement Form at <http://cce.umn.edu/documents/DCP/BAS-Student-Faculty-Agreement.doc>, 1-3 cr

APPLIED ECONOMICS (ApEc)

231 Ruttan Hall, 1994 Buford Ave, St Paul Campus, St Paul, MN, 55108

612/625-1222, <http://www.apec.umn.edu>

1001 Orientation to Applied Economics

(A-F only)

11554 001 LEC, 11:45am-12:35pm TTh, RuttanH B25, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Cooper, Gary M, 1 cr

1101 Principles of Microeconomics

(Credit will not be granted if credit has been received for: ECON 1101, ECON 1104, ECON 1101H, APEC 1101H; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

001 LEC, 08:45am-10:00am MW, RuttanH B35, STPAUL, instruction mode: Classroom; Okediji, Tade O

21334 002 DIS, 09:35am-10:25am F, RuttanH 143, STPAUL, instruction mode: Classroom; RESERVED FOR APEC AND AFBM STUDENTS...; Okediji, Tade O, 4 cr

21332 003 DIS, 09:35am-10:25am F, RuttanH B25, STPAUL, instruction mode: Classroom; Okediji, Tade O, 4 cr

21335 004 DIS, 11:45am-12:35pm F, RuttanH 143, STPAUL, instruction mode: Classroom; Okediji, Tade O, 4 cr

005 LEC, 01:30pm-02:45pm MW, RuttanH B35, STPAUL, instruction mode: Classroom; Okediji, Tade O

34210 006 DIS, 10:40am-11:30am F, RuttanH 143, STPAUL, instruction mode: Classroom, 4 cr

21265 007 DIS, 10:40am-11:30am F, RuttanH B25, STPAUL, instruction mode: Classroom; Okediji, Tade O, 4 cr

21266 008 DIS, 11:45am-12:35pm F, RuttanH B25, STPAUL, instruction mode: Classroom; Okediji, Tade O, 4 cr

1101H Principles of Microeconomics

(Credit will not be granted if credit has been received for: APEC 1101, ECON 1101, ECON 1104, ECON 1101H; A-F; prereq Honors student, proficiency in high school algebra; meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets HON req of Honors)

001 LEC, 01:00pm-02:15pm T, WBU AUDITORIUM, 01:00pm-02:15pm Th, WBU AUDITORIUM, 10/01/15-10/01/15, 01:00pm-02:15pm Th, WBU AUDITORIUM, 10/29/15-10/29/15, 01:00pm-02:15pm Th, WBU AUDITORIUM, 12/03/15-12/03/15, instruction mode: Partially Online; This is a HYBRID course. Traditional lecture materials will be accessed online on the class Moodle site outside of class time as videos and multimedia PowerPoint presentations. A high speed internet connection is required. There will be a weekly 75-minute class period and a weekly 50-minute discussion session. Both sessions are face-to-face and are required problem-solving sessions with the instructor and the teaching assistant. Midterm exams are on the following

Thursdays from 1:00 pm to 2:15 pm: October 1, October 29 and December 3. The final exam will be scheduled by the University. You must attend the first class meeting and the first discussion session to keep your seat, unless you have obtained prior approval from the instructor for your absence. An E-book will be provided through the course Moodle site.; Liu, Donald J.

19250 002 DIS, 10:10am-11:00am W, CarlSMgmt 1-136, instruction mode: Classroom, 4 cr

19251 003 DIS, 11:15am-12:05pm W, CarlSMgmt 1-136, instruction mode: Classroom, 4 cr

19722 004 DIS, 12:20pm-01:10pm W, CarlSMgmt 1-136, instruction mode: Classroom, 4 cr

19252 005 DIS, 01:25pm-02:15pm W, CarlSMgmt 1-136, instruction mode: Classroom, 4 cr

1251 Principles of Accounting

(Credit will not be granted if credit has been received for: ACCT 2050; A-F; prereq 30 cr; not recommended for premajors in Ag Food Bus Mgmt)

11555 001 LEC, 12:50pm-01:40pm MWF, AlderH 415, STPAUL, instruction mode: Classroom; Cooper, Gary M, 3 cr

1905 Topics: Freshman Seminar

(max crs 3; A-F only; prereq Fr)

21292 001 LEC, 03:35pm-06:05pm T, BlegH 140, instruction mode: Classroom; Senauer, Benjamin H, 3 cr; A-F; A Sustainable Global Fd System

3001 Applied Microeconomics:**Consumers, Producers, and Markets**

(Credit will not be granted if credit has been received for: ECON 3101, ECON 3105, ECON 3101H; prereq [[1101 or ECON 1101 or 1101H or ECON 1101H], [MATH 1142 or MATH 1271]] or instr consent ; intended for undergrads in [Ag/Food Bus Mgmt, Appl Econ])

001 LEC, 10:15am-11:30am TTh, RuttanH B35, STPAUL, instruction mode: Classroom; Bellemare, Marc

11557 002 DIS, 10:40am-11:30am F, RuttanH B30, STPAUL, instruction mode: Classroom; Bellemare, Marc, 4 cr

14358 003 DIS, 11:45am-12:35pm F, RuttanH B30, STPAUL, instruction mode: Classroom; Bellemare, Marc, 4 cr

3002 Applied Microeconomics: Managerial Economics

(prereq [[3001 or ECON 3101], [OMS 2550 or STAT 3011] or instr consent)

001 LEC, 10:15am-11:30am TTh, RuttanH 143, STPAUL, instruction mode: Classroom; Apland, Jeffrey

11559 002 LAB, 10:40am-12:35pm W, CofH 50, STPAUL, instruction mode: Classroom; Apland, Jeffrey, 4 cr

11560 003 LAB, 12:50pm-02:45pm W, CofH 50, STPAUL, instruction mode: Classroom; Apland, Jeffrey, 4 cr

3006 Applied Macroeconomics:**Government and the Economy**

(Credit will not be granted if credit has been received for: ECON 3102, ECON 3102H; prereq [[1102 or Econ 1102], [3001 or Econ 3101]] or instr consent)

11561 001 LEC, 11:45am-01:00pm TTh, RuttanH B35, STPAUL, instruction mode: Classroom; Stinson, Thomas F, 3 cr

3007 Applied Macroeconomics: Policy, Trade, and Development

(prereq [1101 or ECON 1101], [1101H or ECON 1101H], [1102 or ECON 1102], [1102H or ECON 1102H]; 3001, 3006 recommended; meets CLE req of Global Perspectives)

15535 001 LEC, 01:30pm-02:45pm TTh, RuttanH B25, STPAUL, instruction mode: Classroom; , 3 cr

3061 Economic Development in Contemporary Africa

(Credit will not be granted if credit has been received for: AFRO 3433; prereq 1101 or ECON 1101; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

26458 001 DIS, 11:15am-12:30pm TTh, BlegH 260, instruction mode: Classroom; Meets with: 25811 AFRO 3433; Okediji, Tade O, 3 cr

3071 Agriculture and Economic Growth in Developing Countries

(prereq 1101, 1102, Econ 1101, 1102 or instr consent)

17042 001 LEC, 01:30pm-02:45pm MW, RuttanH B30, STPAUL, instruction mode: Classroom; Senauer, Benjamin H, 3 cr

3202 An Introduction to the Food System: Analysis, Management and Design

(prereq 1101 or Econ 1101)

31482 001 LEC, 01:30pm-02:45pm TTh, RuttanH 143, STPAUL, instruction mode: Classroom; King, Robert P, 3 cr

3411 Commodity Marketing

(prereq 1101 or Econ 1101)

11592 001 LEC, 08:30am-09:20am MWF, RuttanH B25, STPAUL, instruction mode: Classroom; Usset, Edward Charles, 3 cr

3501 Agribusiness Finance

(Credit will not be granted if credit has been received for: FINA 3001, FINA 3000; prereq [[1251 or Acct 2050], 60 cr] or instr consent)

11593 001 LEC, 08:45am-10:00am TTh, RuttanH 143, STPAUL, instruction mode: Classroom; Pederson, Glenn Darwin, 3 cr

3811 Principles of Farm Management

(prereq 1101 or Econ 1101)

22466 001 LEC, 03:00pm-04:15pm MW, RuttanH B35, STPAUL, instruction mode: Classroom; , 3 cr

3991 Independent Study in Applied Economics

(max crs 12; 3 repeats allowed; prereq instr consent)

11594 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

4096 Professional Experience Program: Internship

(max crs 6; 6 repeats allowed; S-N only; prereq CFANS undergrad, instr consent , completed internship contract)

11595 001 FWK, instruction mode: Independent/Directed Studies, 1-3 cr

4103 World Food Problems

(Credit will not be granted if credit has been received for: AGRO 4103, FSCN 4103; prereq jr or sr or grad; meets CLE req of Global Perspectives)

22692 I001 LEC, 06:00pm-09:00pm T, RuttanH B35, STPAUL, instruction mode: Classroom; Meets with: 22452 AGRO 4103; Porter, Paul M, 3 cr

4451W Food Marketing Economics

(Credit will not be granted if credit has been received for: APEC 5451; prereq [[1101 or Econ 1101], [1101H or Econ 1101H], MKTG 3001, 60 cr] or instr consent; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

11596 001 LEC, 11:45am-01:00pm TTh, RuttanH 143, STPAUL, instruction mode: Classroom; Meets with: 15686 APEC 5451; Boland, Michael Aloysius, 3 cr

4461 Horticultural Marketing

(Credit will not be granted if credit has been received for: HORT 4461; A-F; prereq 1101 or ECON 1101)

19300 001 LEC, 01:30pm-02:45pm TTh, AlderH 415, STPAUL, instruction mode: Classroom; Students will attend two field trips on Friday afternoons (3.5 hours) Dates TBD; Meets with: 19297 HORT 4461; Yue, Chengyan, 3 cr

5031 Methods of Economic Data Analysis

(prereq Math 1271, Stat 5021, knowledge of matrix algebra)

14720 I001 LEC, 04:30pm-05:45pm TTh, RuttanH B25, STPAUL, instruction mode: Classroom; Please contact Diane McAfee at dmcafee@umn.edu for a permission number in order to register for this course.; Mc Cullough, Gerard John, 3 cr

5151 Applied Microeconomics: Firm and Household

(prereq 3001 or or Math 1271 or Math 2243 or equiv or grad student or instr consent)

12066 001 LEC, 03:00pm-04:15pm TTh, RuttanH B25, STPAUL, instruction mode: Classroom; Cakir, Metin, 3 cr

5451 Food Marketing Economics

(Credit will not be granted if credit has been received for: APEC 4451W; A-F only; prereq grad student)

15686 001 LEC, 11:45am-01:00pm TTh, RuttanH 143, STPAUL, instruction mode: Classroom; Meets with: 11596 APEC 4451W; Boland, Michael Aloysius, 3 cr

5711 U.S. Agricultural and Environmental Policy

(prereq 3001 or Econ 3101)

25245 001 LEC, 11:45am-01:00pm TTh, RuttanH B22, STPAUL, instruction mode: Classroom; Runge, Carlisle Ford, 3 cr

5721 Economics of Science and Technology Policy

(prereq 3001 or ECON 3101 or instr consent)

24011 001 LEC, 08:45am-10:00am TTh, MagrathLib 4, STPAUL, instruction mode: Classroom; ITV course.; Beddow, Jason Michael; Pardey, Philip Gordon, 3 cr

5891 Independent Study: Advanced Topics in Farm and Agribusiness Management

(max crs 4; prereq instr consent)

11601 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

5991 Special Topics and Independent Study in Applied Economics

(max crs 12; 12 repeats allowed; prereq instr consent)

11602 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

20829 002 IND, instruction mode: Independent/Directed Studies, 1-4 cr

20830 003 IND, instruction mode: Independent/Directed Studies, 1-4 cr

8001 Applied Microeconomic Analysis of Consumer Choice and Consumer Demand

(A-F only; prereq [[5151 or ECON 3101 or ECON 5151 or intermediate microeconomic theory], [[MATH 2243, MATH 2263] or equiv]] or instr consent)
001 LEC, 03:00pm-04:15pm TTh, MagrathLib 8, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Glewwe, Paul W

21706 I002 DIS, 04:30pm-05:45pm Th, RuttanH B22, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Glewwe, Paul W, 2 cr

8002 Applied Microeconomic Analysis of Production and Choice Under Uncertainty

(A-F only; prereq [[8001 or ECON 8001 or ECON 8101], [[MATH 2243, MATH 2263] or equiv]] or instr consent)
001 LEC, 03:00pm-04:15pm TTh, MagrathLib 8, STPAUL, 10/27/15-12/16/15, instruction mode: Classroom; Hurley, Terry
21708 I002 DIS, 04:30pm-05:45pm Th, RuttanH B22, STPAUL, 10/27/15-12/16/15, instruction mode: Classroom; Hurley, Terry, 2 cr

8202 Mathematical Optimization in Applied Economics

(prereq [5151, Econ 5151] or equiv or instr consent)
11814 I001 LEC, 04:45pm-06:00pm MW, RuttanH B22, STPAUL, instruction mode: Classroom; Aplan, Jeffrey, 3 cr

8211 Econometric Analysis I

(prereq [[Stat 4102 or Stat 5102], Ph.D. student] or instr consent)

001 LEC, 02:30pm-03:45pm MW, HMH 1-109, instruction mode: Classroom; Mc Cullough, Gerard John
14534 I002 DIS, 02:30pm-03:45pm F, CarlSMgmt L-118, instruction mode: Classroom; Mc Cullough, Gerard John, 4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
13943 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14079 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14197 001 IND, instruction mode: Classroom, 1-6 cr

8703 Microeconomic Analysis of Economic Development

(A-F only; prereq Econ 8001-04 or Econ 8101-04, and ApEc 8211-8212 or instr consent. Concurrent registration is ok.)
34208 001 LEC, 11:45am-01:00pm TTh, MagrathLib 6, STPAUL, instruction mode: Classroom; Glewwe, Paul W; Bellemare, Marc, 3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14285 001 IND, instruction mode: Classroom, 1-18 cr

8793 Master's Paper: Plan B Project

(max crs 6; S-N only; prereq Agri/ApEc MS student or ApEc MS student)
13508 001 IND, instruction mode: Classroom, 1-6 cr

8803 Marketing Economics

(A-F only; prereq [Econ 8001, Econ 8002] or [Econ 8101, Econ 8102] or instr consent)
34263 001 LEC, 08:45am-10:25am MW, RuttanH B30, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Cakir, Metin, 2 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq ApEc PhD student; max 18 cr per semester or summer; 24 cr required)
13717 001 IND, instruction mode: Classroom, 1-24 cr

8901 Graduate Seminar: MS & PhD

(S-N only; prereq ApEc MS student or ApEc PhD student)
23267 001 LEC, 12:30pm-01:20pm F, BioSci 12, STPAUL, instruction mode: Classroom; ALL FIRST YEAR GRADUATE STUDENTS MUST ENROLL IN THIS COURSE.; Davis, Elizabeth E, 1 cr

8903 PhD Qualifying Paper Seminar I

(S-N; prereq 8001-8004 or Econ 8001-8004 or Econ 8101-8104)
24017 001 LEC, 03:00pm-03:50pm F, RuttanH B22, STPAUL, instruction mode: Classroom; Bellemare, Marc, 1 cr

8991 Advanced Topics in Applied Economics

(max crs 6; prereq instr consent)
15003 001 IND, instruction mode: Independent/Directed Studies; Bellemare, Marc, 1-6 cr
20803 002 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21323 003 IND, instruction mode: Independent/Directed Studies, 1-6 cr

APPLIED PLANT SCIENCES (APSc)

411 Borlaug Hall, 1991 Upper Buford Circle, St Paul Campus, St Paul, MN, 55108
612/625-7773, <http://www.cfans.umn.edu/aps>

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
13945 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14080 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14198 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14286 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13718 001 IND, instruction mode: Classroom, 1-24 cr

APPLIED PROFESSIONAL STUDIES (APS)

20 Ruttan Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 55108
612/626-8724, <http://www.cce.umn.edu>

4072 What Does It Mean to Be Green?

(A-F; prereq AGRO 1101 or AGRO 1103 or BIOL 1001 or BIOL 1009 or HORT 1001 or HORT 6011 or instr consent, [sr or grad student admitted to MPS in horticulture])
24222 I001 LEC, 06:20pm-08:50pm Th, RuttanH B22, STPAUL, instruction mode: Classroom; Explore the role and potential of organic agriculture in providing healthy food at both local and global levels. A unique aspect of this course is the lead instructor: He is a farmer with 15 years of experience and has a PhD in Plant Biology. The course will emphasize the specific practices used on small to medium size fruit and vegetable farms as examples of how cultural systems interact with nature in the practice of agriculture. The classes will be a mix of lecture and discussion and is intended to be both information intensive and thought provoking. Student projects will serve to provide opportunity for greater depth in a specific area. The interests of students will influence the final syllabus. One farm visit field trip is required: Contact cce@umn.edu for permission to register.; Burkhouse, Paul Christopher, 3 cr

5201 Career and Job Search Preparation for Graduate Students

(S-N; prereq dept consent)
21370 001 LEC, instruction mode: Classroom; This course is reserved for graduate students. Please contact cce@umn.edu for a permission number to register., 1 cr

6993 Directed Studies

(max crs 6; 6 repeats allowed; OPN; prereq dept consent)

21097 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21098 002 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21099 003 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21100 004 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21101 005 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21102 006 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21103 007 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21104 008 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21105 009 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21106 010 IND, instruction mode: Independent/Directed Studies, 1-6 cr

6994 Directed Research

(max crs 6; 6 repeats allowed; S-N; prereq dept consent)

21107 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21108 002 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21109 003 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21110 004 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21111 005 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21112 006 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21113 007 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21114 008 IND, instruction mode: Independent/Directed Studies, 1-6 cr
21115 009 IND, 10/27/15-12/16/15, instruction mode: Independent/Directed Studies, 1-6 cr
21116 010 IND, instruction mode: Independent/Directed Studies, 1-6 cr
26982 011 IND, instruction mode: Classroom, 1-6 cr
26983 012 IND, instruction mode: Classroom, 1-6 cr
26984 013 IND, instruction mode: Classroom, 1-6 cr
26985 014 IND, instruction mode: Classroom, 1-6 cr

8001 Introduction to Research in the Biological Sciences

(S-N; prereq Admitted MBS student)
24228 I001 DIS, 06:00pm-07:00pm T, RuttanH B26, STPAUL, 09/15/15-09/15/15, 06:00pm-07:00pm T, RuttanH B26, STPAUL, 10/27/15-10/27/15, 06:00pm-09:00pm T, RuttanH B22, STPAUL, 12/22/15-12/22/15, instruction mode: Partially Online; This course is intended for all students in the MBS program. Students will explore career planning resources and networking opportunities at the University while reflecting on their goals for the MBS program. In this course, students will also use resources from the University libraries and writing center to search for current research in their area of interest, consider the ethical issues that arise in the biological sciences, and refine their communication skills by writing and presenting a review paper. The paper will bring together the student's expected area of concentration, proposed coursework in the program, work experience, and the current research, and place it within the context of the field and their life goals. Students are highly encouraged to take this class in their first semester of the MBS program.; Quiram, Gina L, 1 cr
24661 I002 DIS, 06:00pm-07:00pm W, RuttanH B22, STPAUL, 09/16/15-09/16/15, 06:00pm-07:00pm W, RuttanH B22, STPAUL, 10/28/15-10/28/15, 06:00pm-09:00pm M, RuttanH B22, STPAUL, 12/21/15-12/21/15, instruction mode: Partially Online; This course is intended for all students in the MBS program. Students will explore career planning resources and networking opportunities at the University while reflecting on their goals for the MBS program. In this course, students will also use resources from the University libraries and writing center to search for current research in their area of interest, consider the ethical issues that arise in the biological sciences, and refine their communication skills by writing and presenting a review paper. The paper will bring

together the student's expected area of concentration, proposed coursework in the program, work experience, and the current research, and place it within the context of the field and their life goals. Students are highly encouraged to take this class in their first semester of the MBS program.; Quiram, Gina L, 1 cr

24672 003 DIS, 10:00am-11:00am S, RuttanH B22, STPAUL, 09/12/15-09/12/15, 10:00am-11:00am S, RuttanH B22, STPAUL, 10/24/15-10/24/15, 10:00am-01:00pm S, RuttanH B22, STPAUL, 12/19/15-12/19/15, instruction mode: Classroom; This course is intended for all students in the MBS program. Students will explore career planning resources and networking opportunities at the University while reflecting on their goals for the MBS program. In this course, students will also use resources from the University libraries and writing center to search for current research in their area of interest, consider the ethical issues that arise in the biological sciences, and refine their communication skills by writing and presenting a review paper. The paper will bring together the student's expected area of concentration, proposed coursework in the program, work experience, and the current research, and place it within the context of the field and their life goals. Students are highly encouraged to take this class in their first semester of the MBS program.; Quiram, Gina L, 1 cr

8002 Final Project Course for Plan B MBS Students

(S-N; prereq dept consent)

21182 001 LEC, instruction mode: Classroom; Final Project for the Plan B Master of Biological Sciences Program.; Schottel, Janet L, 2 cr

8003 Capstone Course for Plan C MBS Students

(S-N; prereq dept consent)

24284 1001 LEC, 06:00pm-07:00pm W, RuttanH B26, STPAUL, 09/09/15-09/09/15, 06:00pm-09:00pm Th, RuttanH B22, STPAUL, 12/17/15-12/17/15, instruction mode: Partially Online; This course is intended for students completing the Plan C option in the MBS program. Students will synthesize their experience in the program while completing and defending a Plan C capstone paper. The capstone paper is an in depth and critical analysis of cutting edge research in the biological sciences that explicitly incorporates the training and experiences students had during the MBS program. The defense involves an oral presentation and examination of the paper. Students completing the MBS program Plan C should take this course in their final term.; Quiram, Gina L, 2 cr

26753 002 LEC, 06:00pm-07:00pm W, RuttanH B22, STPAUL, 09/09/15-09/09/15, 02:00pm-05:00pm S, RuttanH B22, STPAUL, 12/19/15-12/19/15, instruction mode: Partially Online; This course is intended for students completing the Plan C option in the MBS program. Students will synthesize their experience in the program while completing and defending a Plan C capstone paper. The capstone paper is an in depth and critical analysis of cutting edge research in the biological sciences that explicitly incorporates the training and experiences students had during the MBS program. The defense involves an oral presentation and examination of the paper. Students completing the MBS program Plan C should take this course in their final term.; Quiram, Gina L, 2 cr

8110 Graduate Seminar Series

(max crs 3; 3 repeats allowed; S-N; prereq dept consent)

21371 001 IND, instruction mode: Independent/Directed Studies; Recent developments in the field of interest presented in research seminars by scientific experts. Enrollment reserved for students in the Master of Biological Sciences program. Contact cemsbs@umn.edu for permission to register; Schottel, Janet L, 1 cr

ARABIC (Arab)

220 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6534, <http://all.umn.edu>

1101 Beginning Arabic I

(Credit will not be granted if credit has been received for: ARAB 4101)

25025 001 DIS, 09:05am-09:55am MTWThF, FoIH 13, instruction mode: Classroom; Meets with: 20280 ARAB 4101; Hamouchi, Abdelkader, 5 cr

25026 002 DIS, 10:10am-11:00am MTWThF, FoIH 122, instruction mode: Classroom; Meets with: 20282 ARAB 4101; Hamouchi, Abdelkader, 5 cr

25027 004 DIS, 12:20pm-01:10pm MTWThF, FoIH 10, instruction mode: Classroom; Meets with: 20283 ARAB 4101; Hamouchi, Abdelkader, 5 cr

25028 005 DIS, 01:25pm-02:15pm MTWThF, FoIH 122, instruction mode: Classroom; Meets with: 20284 ARAB 4101; Vanpee, Katrien, 5 cr

25029 006 DIS, 03:35pm-04:25pm MTWThF, FoIH 122, instruction mode: Classroom; Meets with: 21362 ARAB 4101; El Helw, Rasha Mohamed, 5 cr

3101 Intermediate Arabic I

(Credit will not be granted if credit has been received for: ARAB 4121; prereq 1102 or instr consent)

18565 001 DIS, 08:00am-08:50am MTWThF, FoIH 10, instruction mode: Classroom; Meets with: 20281 ARAB 4121; Mohammed, Sidow Abdishariff, 5 cr

17370 002 DIS, 09:05am-09:55am MTWThF, FoIH 122, instruction mode: Classroom; Meets with: 20285 ARAB 4121; Mohammed, Sidow Abdishariff, 5 cr

22337 1003 DIS, 04:40pm-05:30pm MTWThF, FoIH 122, instruction mode: Classroom; Meets with: 22338 ARAB 4121; El Helw, Rasha Mohamed, 5 cr

4101 Beginning Arabic I

(Credit will not be granted if credit has been received for: ARAB 1101; prereq Grad student)

20280 001 DIS, 09:05am-09:55am MTWThF, FoIH 13, instruction mode: Classroom; Meets with: 25025 ARAB 1101; Hamouchi, Abdelkader, 3 cr

20282 002 DIS, 10:10am-11:00am MTWThF, FoIH 122, instruction mode: Classroom; Meets with: 25026 ARAB 1101; Hamouchi, Abdelkader, 3 cr

20283 004 DIS, 12:20pm-01:10pm MTWThF, FoIH 10, instruction mode: Classroom; Meets with: 25027 ARAB 1101; Hamouchi, Abdelkader, 3 cr

20284 005 DIS, 01:25pm-02:15pm MTWThF, FoIH 122, instruction mode: Classroom; Meets with: 25028 ARAB 1101; Vanpee, Katrien, 3 cr

21362 006 DIS, 03:35pm-04:25pm MTWThF, FoIH 122, instruction mode: Classroom; Meets with: 25029 ARAB 1101; El Helw, Rasha Mohamed, 3 cr

4121 Intermediate Arabic I

(Credit will not be granted if credit has been received for: ARAB 3101; prereq [4102 or equiv], grad student)

20281 001 DIS, 08:00am-08:50am MTWThF, FoIH 10, instruction mode: Classroom; Meets with: 18565 ARAB 3101; Mohammed, Sidow Abdishariff, 3 cr

20285 002 DIS, 09:05am-09:55am MTWThF, FoIH 122, instruction mode: Classroom; Meets with: 17370 ARAB 3101; Mohammed, Sidow Abdishariff, 3 cr

22338 1003 DIS, 04:40pm-05:30pm MTWThF, FoIH 122, instruction mode: Classroom; Meets with: 22337 ARAB 3101; El Helw, Rasha Mohamed, 3 cr

5101 Advanced Arabic I

(prereq [3102, successful completion of the Arabic language proficiency exam] or instr consent)

11528 001 DIS, 10:10am-11:00am MTWTh, FoIH 118, instruction mode: Classroom; Vanpee, Katrien, 4 cr

ARCHITECTURE (Arch)

110 Rapson Hall, 89 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-7866, <http://arch.cdes.umn.edu/>

1281 Design Fundamentals I

(A-F; meets CLE req of Arts/Humanities)

001 LEC, 02:30pm-03:45pm TTh, STSS 230, instruction mode: Classroom; Hsieh, Lisa L, 4 cr

23671 002 LAB, 10:10am-12:05pm F, . ROOM-TBA, instruction mode: Classroom; 16 seats reserved for Pre Architecture; Hsieh, Lisa L, 4 cr

23672 003 LAB, 10:10am-12:05pm F, . ROOM-TBA, instruction mode: Classroom; 16 seats reserved for Pre Architecture; Hsieh, Lisa L, 4 cr

23673 004 LAB, 10:10am-12:05pm F, . ROOM-TBA, instruction mode: Classroom; 16 seats reserved for Pre Architecture; Hsieh, Lisa L, 4 cr

23674 005 LAB, 10:10am-12:05pm F, . ROOM-TBA, instruction mode: Classroom; 16 seats reserved for Pre Architecture; Hsieh, Lisa L, 4 cr

23675 006 LAB, 10:10am-12:05pm F, . ROOM-TBA, instruction mode: Classroom; 16 seats reserved for Pre Architecture; Hsieh, Lisa L, 4 cr

23676 007 LAB, 11:15am-01:10pm Th, . ROOM-TBA, instruction mode: Classroom; 16 seats reserved for Pre Architecture; Hsieh, Lisa L, 4 cr

23677 008 LAB, 11:15am-01:10pm Th, . ROOM-TBA, instruction mode: Classroom; 16 seats reserved for Pre Architecture; Hsieh, Lisa L, 4 cr

23678 009 LAB, 11:15am-01:10pm Th, . ROOM-TBA, instruction mode: Classroom; 16 seats reserved for Pre Architecture; Hsieh, Lisa L, 4 cr

23679 010 LAB, 11:15am-01:10pm Th, . ROOM-TBA, instruction mode: Classroom; 16 seats reserved for Pre Architecture; Hsieh, Lisa L, 4 cr

23680 011 LAB, 11:15am-01:10pm Th, . ROOM-TBA, instruction mode: Classroom; 16 seats reserved for Pre Architecture; Hsieh, Lisa L, 4 cr

2301 Introduction to Drawing in Architecture

(Credit will not be granted if credit has been received for: LA 5301, LA 5371, LA 5376; A-F; prereq pre-arch major or BDA major; no prereq in summer; credit will not be granted if credit received for: Arch 1301)

12430 001 LAB, 08:00am-09:55am MW, RapsonH 58, instruction mode: Classroom; 11 seats reserved for freshman; Veldhouse, Kyle D, 4 cr

18102 002 LAB, 10:10am-12:05pm MW, RapsonH 58, instruction mode: Classroom; 11 seats reserved for freshman; Piotrowski, Andrzej, 4 cr

21001 1003 LAB, 06:10pm-08:05pm MW, RapsonH 58, instruction mode: Classroom; 11 seats reserved for freshman; Petersen, Derek James, 4 cr

24285 004 LAB, 09:05am-11:00am TTh, RapsonH 58, instruction mode: Classroom; 11 seats reserved for freshman; Finn, Matthew Ryan, 4 cr

26180 006 LAB, 04:00pm-05:55pm TTh, RapsonH 58, instruction mode: Classroom; Tapp, John Matthew, 4 cr

3150 Topics in Architecture

(max crs 24; 4 repeats allowed)

26234 001 LEC, 09:45am-12:00pm TTh, RapsonH 43, 09/08/15-10/26/15, instruction mode: Classroom; Topic: "Intro to Virtual Reality"; Meets with: 26318 ARCH 5350; Anderson, Lee Bruce, 1-6 cr

26235 002 LEC, 09:45am-11:00am TTh, Room TBA, TCEASTBANK, 09/08/15-10/26/15, instruction mode: Classroom; Topic: "Intro to BIM and Revit"; Meets with: 26319 ARCH 5350; Delwiche, Benjamin Lee, 1-6 cr

26236 1003 LEC, 06:10pm-08:05pm MW, RapsonH 54, instruction mode: Classroom; Topic: "Architecture and Film"; Westbrook, Thomas Robert, 1-6 cr

3250 Design Workshop

(max crs 18; 9 repeats allowed; A-F; prereq 2281, [Arch BA or BDA major])

18493 001 LEC, 02:30pm-05:30pm TTh, RapsonH 251, instruction mode: Classroom; Topic: "Digital Ceramics"; Reichert, Molly Elizabeth, 1-6 cr

19787 002 LEC, 02:30pm-05:30pm TTh, RapsonH 56, instruction mode: Classroom; Topic: "Design Games"; Westre, Aaron Lane, 1-6 cr

19788 1003 LEC, 06:00pm-09:00pm Th, RapsonH 251, instruction mode: Classroom; Topic: "Interactive Design and Physical Computing"; Berken, Justin Paige, 1-6 cr

19791 004 LEC, 01:25pm-05:25pm MF, RapsonH 251, 09/08/15-10/26/15, instruction mode: Classroom; Topic: "Analytical Modeling of Contemporary Architecture"; Lavine, Lance A, 1-6 cr

19792 005 LEC, 01:25pm-05:25pm MF, RapsonH 251, 10/27/15-12/16/15, instruction mode: Classroom; Topic: "Ornament in Design"; Byers, Matthew, 1-6 cr

19793 006 LEC, 09:05am-11:00am MWF, FoIH 107, 09/08/15-10/26/15, instruction mode: Classroom; Instructor: Michael Gordon Topic: "Border", 1-6 cr

19794 007 LEC, 09:05am-12:00pm MF, RapsonH 251, 09/08/15-10/26/15, instruction mode: Classroom; Topic: "Preservation of Minnesota's Historic Resources"; Bjornberg, Michael Jame, 1-6 cr

19795 008 LEC, 01:25pm-03:20pm W, RapsonH 251, 09/08/15-10/26/15, 01:25pm-05:30pm F, RapsonH 13, 09/08/15-10/26/15, instruction mode: Classroom; Topic: "Memorials and Models"; Marx, Aaron Lee, 1-6 cr

26238 009 LEC, 01:25pm-05:30pm M, AmundH 124, 09/08/15-10/26/15, 03:35pm-05:30pm W, RapsonH 251, 09/08/15-10/26/15, instruction mode: Classroom; Topic: "USA Made: Past, Present and Future", 1-6 cr

19796 010 LEC, 03:35pm-06:30pm MW, STSS 123, 09/08/15-10/26/15, instruction mode: Classroom; Topic: "Beyond Site: Interpreting Context in Architecture"; Sakalowski, Alena, 1-6 cr

19797 011 LEC, 09:05am-12:00pm MF, RapsonH 251, 10/27/15-12/16/15, instruction mode: Classroom; Topic: "Creating a 21st Century Community"; Close, Robert Arthur, 1-6 cr

19798 012 LEC, 01:25pm-03:20pm MWF, AkerH 317, 10/27/15-12/16/15, instruction mode: Classroom; Topic: "Cultural Identity and Architecture"; Isenberg AIA, Jay H., 1-6 cr

19936 013 LEC, 03:35pm-05:30pm MWF, RapsonH 54, 10/27/15-12/16/15, instruction mode: Classroom; Topic: "Designing Within the Conceptual Frame"; Lavine, Lance A, 1-6 cr

24220 014 LEC, 03:35pm-06:30pm WF, STSS 123, 10/27/15-12/16/15, instruction mode: Classroom; Topic: "Designing Performance: Choreography as Architecture"; Schlichting, Chris R, 1-6 cr

3281 Undergraduate Architecture Studio I (A-F; prereq BS Arch major)

18325 001 LAB, 01:25pm-05:30pm MWF, . ROOM-TBA, instruction mode: Classroom; BS only; Paulsen, Kristen S;

Tamborino, Mark Edward; Johnson, Andrea J; McGuire, Audrey Jo; Amosson, Aaron, 6 cr

3351 AutoCAD I

(Credit will not be granted if credit has been received for: ARCH 5351; prereq Arch major or BED major or instr consent)

17272 I002 LEC, 06:30pm-09:00pm M, RapsonH 33, instruction mode: Classroom; Anderson, Kristine, 3 cr

3381 Introduction to Computer Aided Architectural Design

(A-F only; prereq Arch major or BED major or instr consent)

26305 001 LAB, 01:00pm-02:15pm TTh, AkerH 225, instruction mode: Classroom; Meets with: 26306 ARCH 5381; Anderson, Lee Bruce, 3 cr

3411V Architectural History to 1750

(A-F; prereq Soph or above; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive; meets HON req of Honors)

001 LEC, 11:15am-12:30pm TTh, RapsonH 100, instruction mode: Classroom; Meets with: 12209 ARCH 3411W; Satkowski, Leon
20927 002 DIS, 01:25pm-02:15pm T, RapsonH 58, instruction mode: Classroom; Satkowski, Leon, 3 cr

3411W Architectural History to 1750

(A-F only; prereq Soph or above; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

001 LEC, 11:15am-12:30pm TTh, RapsonH 100, instruction mode: Classroom; Meets with: 20926 ARCH 3411V; Satkowski, Leon
12210 002 DIS, 02:30pm-03:20pm T, AkerH 227, instruction mode: Classroom, 3 cr
12211 003 DIS, 03:35pm-04:25pm T, MechE 221, instruction mode: Classroom, 3 cr
12212 004 DIS, 03:35pm-04:25pm T, AkerH 227, instruction mode: Classroom, 3 cr
12213 005 DIS, 09:05am-09:55am W, MechE 102, instruction mode: Classroom, 3 cr
18323 008 DIS, 10:10am-11:00am W, AkerH 215, instruction mode: Classroom, 3 cr
12214 010 DIS, 10:10am-11:00am W, MechE 102, instruction mode: Classroom, 3 cr
21032 015 DIS, 10:10am-11:00am F, RapsonH 58, instruction mode: Classroom, 3 cr

3511 Material Transformations:

Technology and Change in the Built Environment

(A-F; meets CLE req of Technology and Society)

26406 001 LEC, 01:00pm-02:15pm TTh, RapsonH 45, instruction mode: Classroom; Brownell, Blaine Erickson, 3 cr

3711V Honors: Environmental Design and the Sociocultural Context

(Credit will not be granted if credit has been received for: ARCH 3711W; A-F; prereq Honors, [soph or above]; meets CLE req of Civic Life and Ethics; meets CLE req of Social Sciences; meets CLE req of Writing Intensive; meets HON req of Honors)

001 LEC, 09:45am-11:00am TTh, RapsonH 100, instruction mode: Classroom; Meets with: 12448 ARCH 3711W; Robinson, Julia Williams; Wheeler, James Anthony
14955 002 DIS, 02:30pm-03:20pm Th, RapsonH 15, instruction mode: Classroom; Robinson, Julia Williams, 3 cr

3711W Environmental Design and the Sociocultural Context

(Credit will not be granted if credit has been received for: ARCH 3711V; A-F; prereq Soph or above; meets CLE req of Civic Life and Ethics; meets CLE req of Social Sciences; meets CLE req of Writing Intensive)

001 LEC, 09:45am-11:00am TTh, RapsonH 100, instruction mode: Classroom; Meets with: 14954 ARCH 3711V; Robinson, Julia Williams; Wheeler, James Anthony
12449 002 DIS, 01:25pm-02:15pm Th, AkerH 313, instruction mode: Classroom; Robinson, Julia Williams, 3 cr
12450 003 DIS, 03:35pm-04:25pm Th, AkerH 211, instruction mode: Classroom; Robinson, Julia Williams, 3 cr
12451 004 DIS, 03:35pm-04:25pm Th, MechE 221, instruction mode: Classroom; Robinson, Julia Williams, 3 cr
12452 005 DIS, 01:25pm-02:15pm Th, RapsonH 58, instruction mode: Classroom; Robinson, Julia Williams, 3 cr
13233 010 DIS, 09:05am-09:55am F, STSS 121, instruction mode: Classroom; Robinson, Julia Williams, 3 cr
18352 011 DIS, 09:05am-09:55am F, AkerH 227, instruction mode: Classroom; Robinson, Julia Williams, 3 cr

19329 012 DIS, 10:10am-11:00am F, AkerH 227, instruction mode: Classroom; Robinson, Julia Williams, 3 cr
21889 014 DIS, 03:35pm-04:25pm Th, AkerH 227, instruction mode: Classroom; Robinson, Julia Williams, 3 cr

4150 Topics in Architecture

(max crs 24; 6 repeats allowed; A-F only; prereq Arch major or instr consent)

21468 002 LEC, 09:45am-12:00pm TTh, RapsonH 43, 10/27/15-12/16/15, instruction mode: Classroom; Topic: "Intermediate Virtual Reality" Prereq: Intro to VR.; Meets with: 26323 ARCH 5350; Anderson, Lee Bruce, 1-4 cr
21469 I003 LEC, 04:30pm-06:30pm TTh, RapsonH 31, 10/27/15-12/16/15, instruction mode: Classroom; Topic: "Special Topics in BIM: Facades" Prereq: Intro to BIM or instructor consent.; Meets with: 26324 ARCH 5350; Terzich, Alex, 1-4 cr
26386 004 LEC, 08:15am-09:30am TTh, MechE 102, instruction mode: Classroom; Topic: "Ideas that Changed Architecture"; Meets with: 26384 ARCH 5450; Fisher, Thomas Ray, 1-4 cr
26214 005 LEC, 11:15am-12:30pm WF, AkerH 227, instruction mode: Classroom; "Portfolio Design"
26541 007 LEC, 01:00pm-02:15pm TTh, RapsonH 13, instruction mode: Classroom; Instructor: Daniela Sandler Topic: Architecture, Cities, and Food Culture; Meets with: 26551 ARCH 5410, 1-4 cr

4194H Thesis/Capstone Project

(max crs 6; A-F; prereq Arch major, sr, honors; meets HON req of Honors)

21761 001 IND, 09:45am-11:00am TTh, RapsonH 13, instruction mode: Independent/Directed Studies; Honors only; Chen, Arthur Hui-Min, 3 cr

4283 Undergraduate Architecture Studio III

(A-F; prereq [3282 or 4282], B.S. Arch major)

18326 001 LAB, 01:25pm-05:30pm MWF, . ROOM-TBA, instruction mode: Classroom; BS only.; Ebbighausen, Nina; Jara, Cynthia; Guzowski, Mary M, 6 cr

4321 Architecture in Watercolor

(Credit will not be granted if credit has been received for: ARCH 5321; A-F only; prereq 1301)

17267 I001 LEC, 06:10pm-08:40pm W, RapsonH 31, instruction mode: Classroom; Meets with: 13507 ARCH 5321; Fogg, Monica, 3 cr

4425 Baroque Architecture

(Credit will not be granted if credit has been received for: ARCH 5425; A-F only; prereq 3411 or instr consent)

26299 001 LEC, 11:15am-12:05pm MWF, RapsonH 43, instruction mode: Classroom; Meets with: 26325 ARCH 5425; Satkowski, Leon, 3 cr

4432 Modern Architecture

(Credit will not be granted if credit has been received for: ARCH 5432; A-F only; prereq 3412 or instr consent)

26260 001 LEC, 01:00pm-02:15pm TTh, RapsonH 31, instruction mode: Classroom; Meets with: 26326 ARCH 5432; Solomonson, Katherine Mary, 3 cr

4511 Materials and Methods I

(A-F only; prereq BS Arch major)

18489 001 LEC, 08:15am-09:30am TTh, MechE 18, instruction mode: Classroom; Reserved BDA seats are for Arch BDA jr and sr only; 8 seats reserved for Arch BDA only; 100 seats reserved for Arch BS student; Handeen, Daniel A, 3 cr

4571 Architectural Structures I

(A-F only; prereq BS Arch major)

18520 002 LEC, 04:00pm-05:15pm TTh, RapsonH 43, instruction mode: Classroom; Reserved BDA seats are for Arch BDA jr and sr only; 8 seats reserved for Arch BDA only; 50 seats reserved for Arch BS student; Strothman, Susan C, 3 cr

4671 Historic Preservation

(A-F only; prereq Jr or sr or instr consent)

17330 I001 LEC, 05:20pm-07:20pm T, MechE 221, 05:20pm-06:20pm Th, MechE 102, instruction mode: Classroom; Meets with: 13343 ARCH 5671; Donofrio, Gregory, 3 cr

4674 World Heritage Conservation

(A-F; prereq Jr or sr or instr consent)

24289 001 LEC, 09:45am-12:30pm T, . NONSTD-TBA, instruction mode: Classroom; Meets with: 22426 ARCH 5674; Chen, Arthur Hui-Min, 3 cr

4701W Introduction to Urban Form and Theory

(A-F; prereq [3411, 3412] or instr consent; meets CLE req of Writing Intensive)

001 LEC, 02:30pm-03:45pm TTh, RapsonH 100, instruction mode: Classroom; Conway, William F
20590 002 DIS, 04:00pm-04:50pm T, AkerH 313, instruction mode: Classroom; Conway, William F, 3 cr
20622 005 DIS, 04:00pm-04:50pm Th, MechE 102, instruction mode: Classroom; Conway, William F, 3 cr
20623 007 DIS, 09:05am-09:55am F, RapsonH 58, instruction mode: Classroom; Conway, William F, 3 cr

5321 Architecture in Watercolor

(Credit will not be granted if credit has been received for: ARCH 4321; A-F only; prereq M Arch grad student or instr consent)

13507 I001 LEC, 06:10pm-08:40pm W, RapsonH 31, instruction mode: Classroom; Meets with: 17267 ARCH 4321; Fogg, Monica, 3 cr

5350 Topics in Architectural Representation

(max crs 12; 4 repeats allowed; A-F only; prereq Arch major or MArch major or instr consent)

26318 001 LEC, 09:45am-12:00pm TTh, RapsonH 43, 09/08/15-10/26/15, instruction mode: Classroom; Intro to Virtual Reality; Meets with: 26234 ARCH 3150; Anderson, Lee Bruce, 1-4 cr
26319 002 LEC, 09:45am-11:00am TTh, Room TBA, TCEASTBANK, 09/08/15-10/26/15, instruction mode: Classroom; Intro to BIM and Revit; Meets with: 26235 ARCH 3150; Delwiche, Benjamin Lee, 1-4 cr
26323 003 LEC, 09:45am-12:00pm TTh, RapsonH 43, 10/27/15-12/16/15, instruction mode: Classroom; Intermediate Virtual Reality; Meets with: 21468 ARCH 4150; Anderson, Lee Bruce, 1-4 cr
26324 I004 LEC, 04:30pm-06:30pm TTh, RapsonH 31, 10/27/15-12/16/15, instruction mode: Classroom; Special Topics in BIM: Facades. Prereq: Intro to BIM or Instructor consent.; Meets with: 21469 ARCH 4150; Terzich, Alex, 1-4 cr
26803 005 LEC, instruction mode: Classroom; This course is reserved for students who took the Summer 2014 Digital workshop ONLY.; Johnson, Andrea J; Reichert, Molly Elizabeth, 1-4 cr
26864 006 LEC, instruction mode: Classroom; 3 credit add-on for Ozayr Saloojee's GDIII studio; Saloojee, Ozayr, 1-4 cr

5381 Introduction to Computer Aided Architectural Design

(A-F only; prereq Arch or BED or M Arch or grad student in LA or instr consent)

26306 001 LAB, 01:00pm-02:15pm TTh, AkerH 225, instruction mode: Classroom; Meets with: 26305 ARCH 3381; Anderson, Lee Bruce, 3 cr

5410 Topics in Architectural History

(max crs 12; 4 repeats allowed; A-F only; prereq MS Arch or M Arch major or instr consent)

26551 002 LEC, 01:00pm-02:15pm TTh, RapsonH 13, instruction mode: Classroom; Instructor: Daniela Sandler Topic: Architecture, Cities, and Food Culture; Meets with: 26541 ARCH 4150, 3 cr

5411 Principles of Design Theory

(A-F only; prereq M Arch major or instr consent)

12621 001 LEC, 11:15am-12:30pm TTh, RapsonH 58, instruction mode: Classroom; Lavine, Lance A, 3 cr

5425 Baroque Architecture

(Credit will not be granted if credit has been received for: ARCH 4425; A-F only; prereq MS Arch or M Arch major or instr consent)

26325 001 LEC, 11:15am-12:05pm MWF, RapsonH 43, instruction mode: Classroom; Meets with: 26299 ARCH 4425; Satkowski, Leon, 3 cr

5432 Modern Architecture

(Credit will not be granted if credit has been received for: ARCH 4432; A-F only; prereq MS Arch or M Arch major or instr consent)

26326 001 LEC, 01:00pm-02:15pm TTh, RapsonH 31, instruction mode: Classroom; Meets with: 26260 ARCH 4432; Solomonson, Katherine Mary, 3 cr

5450 Topics in Architectural Theory

(max crs 9; 3 repeats allowed; A-F only; prereq Arch major or M Arch major or instr consent)

26384 001 LEC, 08:15am-09:30am TTh, MechE 102, instruction mode: Classroom; "Ideas that Changed Architecture"; Meets with: 26386 ARCH 4150; Fisher, Thomas Ray, 1-3 cr

5561 Tech 1, Structures for Building

(A-F; prereq M Arch major or instr consent)

24198 001 LEC, 09:45am-11:00am TTh, MechE 108, 09/08/15-10/26/15, instruction mode: Classroom; Hopeman, Ryan C; Davis, Kirk Thomas, 2 cr

5562 Tech 2, Intro to Building Technology

(A-F; prereq M.Arch or instr consent)

24447 001 LEC, 09:45am-11:00am TTh, MechE 108, 10/27/15-12/16/15, instruction mode: Classroom; Roe, Sharon Louise, 2 cr

5563 Tech 3: Advanced Building**Technology Integrated Building Systems**
(max crs 2; A-F; prereq M.Arch or instr consent)

26158 001 LEC, 09:45am-11:00am TTh, MechE 212, 09/08/15-10/26/15, instruction mode: Classroom; Roe, Sharon Louise, 0-2 cr

5564 Tech 4: Building Structural Systems

(max crs 2; A-F; prereq M.Arch or instr consent)

26159 001 LEC, 09:45am-11:00am TTh, MechE 212, 10/27/15-12/16/15, instruction mode: Classroom; Hopeman, Ryan C; Davis, Kirk Thomas, 0-2 cr

5609 Development and Implementation of Research

(A-F; prereq instr consent)

24264 001 DIS, 09:05am-11:00am M, MechE 102, 10:10am-11:00am W, STSS 119, instruction mode: Classroom; 12 seats reserved for MS Arch only; Donofrio, Gregory, 3 cr

5621 Professional Practice in Architecture

(A-F only; prereq M Arch major or instr consent)

14445 001 LEC, 01:00pm-02:15pm TTh, RapsonH 54, instruction mode: Classroom; Cheng, Renee, 3 cr

5630 Practicum: Advanced Issues in Practice

(max crs 6; S-N; prereq M.S. Architecture or M.Arch)

24644 001 LEC, 04:30pm-07:00pm Th, . ROOM-TBA, instruction mode: Classroom; For MS-RP students only, 3 cr

5671 Historic Preservation

13343 001 LEC, 05:20pm-07:20pm T, MechE 221, 05:20pm-06:20pm Th, MechE 102, instruction mode: Classroom; 5 seats reserved for Architecture M S; Meets with: 17330 ARCH 4671; Donofrio, Gregory, 3 cr

5674 World Heritage Conservation

(A-F; prereq MS in Arch-HP concentration or M.ARCH or MLA or instr consent)

22426 001 LEC, 09:45am-12:30pm T, . NONSTD-TBA, instruction mode: Classroom; Meets with: 24289 ARCH 4674; Chen, Arthur Hui-Min, 3 cr

5750 Topics in Urban Design

(max crs 16; 4 repeats allowed; A-F only; prereq Arch major)

26374 001 LEC, 06:00pm-08:45pm M, RapsonH 43, instruction mode: Classroom; Mayor 101: Great Minnesota Places; Rybak, RT, 1-4 cr

5993 Directed Study

(max crs 8; A-F only; prereq instr consent)

13513 001 IND, instruction mode: Classroom; Comazzi, John Joseph, 1-4 cr
13514 002 IND, instruction mode: Classroom; Brownell, Blaine Erickson, 1-4 cr
13515 003 IND, instruction mode: Classroom; Cheng, Renee, 1-4 cr
13516 004 IND, instruction mode: Classroom; Donofrio, Gregory, 1-4 cr
13517 005 IND, instruction mode: Classroom; Fisher, Thomas Ray, 1-4 cr
13521 009 IND, instruction mode: Classroom; Lutz, Jim, 1-4 cr
18640 024 IND, instruction mode: Classroom; Solomonson, Katherine Mary, 1-4 cr
26817 032 IND, instruction mode: Classroom; Johnson, Andrea J, 1-4 cr**8251 Graduate Architectural Design I**

(A-F only; prereq MArch or instr consent)

001 LEC, 01:25pm-05:30pm MWF, RapsonH 235, instruction mode: Classroom; Lazor, Charles Lawrence; Roe, Sharon Louise
19430 002 LAB, 10:10am-12:05pm F, RapsonH 56, instruction mode: Classroom, 9 cr**8253 Graduate Architectural Design III**

(A-F only; prereq [8251, MArch] or instr consent)

12641 001 LEC, 01:25pm-05:30pm MWF, . ROOM-TBA, instruction mode: Classroom; Piotrowski, Andrzej; Yoos, Jennifer A; Madson, Nat P; Mandyck, Jeffrey K, 9 cr

8255 Graduate Architectural Design V

(max crs 12; A-F only; prereq [8254, grad Arch major] or instr consent)

15685 001 LAB, 01:25pm-05:25pm MWF, RapsonH 245, instruction mode: Classroom; Saloojee, Ozayr; Johnson, Mic; Brownell, Blaine Erickson, 6 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13944 001 IND, instruction mode: Classroom, 1 cr

8561 Sustainable Design Theory and Practice

(A-F; prereq [5513, [grad MS or MArch]] or instr consent)

17340 001 LEC, 02:30pm-05:00pm Th, RapsonH 45, instruction mode: Classroom; 5 seats reserved for M Arch major; 10 seats reserved for Architecture M S; Pierce, Douglas, 3 cr

8567 Site and Water Issues in Sustainable Design

(A-F; prereq [5512, [grad MS or MArch student]] or instr consent)

17348 001 LEC, 02:30pm-05:00pm T, RapsonH 45, instruction mode: Classroom; 5 seats reserved for M Arch major; 10 seats reserved for Architecture M S; Macdonagh, L Peter; Strong, Richard B., 3 cr

ART (ArtS)*Regis Center for Art, 405 21st Ave S, West Bank Campus, Minneapolis, MN, 55455
612/625-8096, <http://art.umn.edu/>***1001 Introduction to Contemporary Art and Theory**

(meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

001 LEC, 09:05am-09:55am F, Regis E110, instruction mode: Classroom
15035 002 LAB, 10:10am-12:30pm F, Regis E110, instruction mode: Classroom; automatic enrollment in section 001 lecture; 20 seats reserved for CLA and fr or FRFY or NASS, 4 cr
20686 003 LAB, 10:10am-12:30pm F, Regis E110, instruction mode: Classroom; automatic enrollment in section 001 lecture, 4 cr
1004 LEC, 05:00pm-05:50pm T, Regis E110, instruction mode: Classroom
25713 005 LAB, 06:00pm-08:30pm T, Regis E110, instruction mode: Classroom; 15 seats reserved for CLA and fr or FRFY or NASS, 4 cr**1101 Drawing**

(Credit will not be granted if credit has been received for: ARTS 2101; meets CLE req of Arts/Humanities)

11426 001 LAB, 09:05am-12:05pm MW, Regis W244, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 4 seats reserved for CLA Sophomore; Zefeldt, Mathew James, 4 cr
11427 002 LAB, 01:25pm-04:25pm MW, Regis W260, instruction mode: Classroom; 1 seat reserved for CLA Sophomore; 5 seats reserved for CLA and fr or FRFY or NASS, 4 cr
11428 003 LAB, 09:05am-12:05pm TTh, Regis W270, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 1 seat reserved for CLA Sophomore; Feinberg, David L, 4 cr
11429 004 LAB, 01:25pm-04:25pm TTh, Regis W244, instruction mode: Classroom; Two additional hours of lab arranged per week; 5 seats reserved for CLA and fr or FRFY or NASS; 4 seats reserved for CLA Sophomore, 4 cr
11430 005 LAB, 06:00pm-10:00pm M, Regis W270, instruction mode: Classroom; Two additional hours of lab arranged per week.; 1 seat reserved for CLA Sophomore; 5 seats reserved for CLA and fr or FRFY or NASS, 4 cr
11431 006 LAB, 06:00pm-10:00pm T, Regis W244, instruction mode: Classroom; Two additional hours of lab arranged per week.; 1 seat reserved for CLA Sophomore; 5 seats reserved for CLA and fr or FRFY or NASS, 4 cr
25235 007 LAB, 06:00pm-10:00pm W, Regis W270, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 3 seats reserved for CLA Sophomore, 4 cr
25236 008 LAB, 06:00pm-10:00pm Th, Regis W260, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 1 seat reserved for CLA Sophomore, 4 cr**1102 Painting**

(Credit will not be granted if credit has been received for: ARTS 2102; prereq 1101 or 2101; Note: Students without stated prerequisites will not be allowed to continue in this course.)

11532 001 LAB, 01:25pm-04:25pm TTh, Regis W264, instruction mode: Classroom; 2 seats reserved for CLA and fr or FRFY or NASS; 3 seats reserved for CLA Sophomore; Katsiaticas, Diane, 4 cr

1301 Sculpture

(Credit will not be granted if credit has been received for: ARTS 2301; meets CLE req of Arts/Humanities)

15667 001 LAB, 09:05am-12:05pm MW, Regis E139, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 1 seat reserved for CLA Sophomore; Stanislav, Andrea Christine, 4 cr
15668 002 LAB, 01:25pm-04:25pm MW, Regis E139, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 5 seats reserved for CLA Sophomore; Ringle, Tamsie, 4 cr
15669 003 LAB, 01:25pm-04:25pm TTh, Regis E123, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 4 seats reserved for CLA Sophomore; Ringle, Tamsie, 4 cr
26546 004 LAB, 09:05am-12:05pm TTh, Regis E123, instruction mode: Classroom; Meets concurrently with ArtS 2301-001; Meets with: 22633 ARTS 2301; Rose, Thomas Albert, 4 cr**1502 Printmaking: Relief, Screen, and Digital Processes**

(Credit will not be granted if credit has been received for: ARTS 2502; meets CLE req of Arts/Humanities)

17690 001 LAB, 06:00pm-09:00pm MW, Regis W187, instruction mode: Classroom; 2 seats reserved for CLA Sophomore, 4 cr
23890 002 LAB, 09:05am-12:05pm TTh, Regis W187, instruction mode: Classroom; Meets concurrently with ArtS 2502-001; Meets with: 22634 ARTS 2502, 4 cr**1601 Experimental and Media Arts**

(Credit will not be granted if credit has been received for: ARTS 2601; meets CLE req of Arts/Humanities)

11520 001 LAB, 09:05am-12:05pm MW, Regis W248, instruction mode: Classroom; 2 seats reserved for CLA Sophomore; 5 seats reserved for CLA and fr or FRFY or NASS; 3 seats reserved for CATS (CLA Pres Emerg Scholars), 4 cr
13868 002 LAB, 06:00pm-09:00pm MW, Regis W121, instruction mode: Classroom; 3 seats reserved for CLA Sophomore; 5 seats reserved for CLA and fr or FRFY or NASS, 4 cr
13869 003 LAB, 09:05am-12:05pm TTh, Regis W248, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 2 seats reserved for CLA Sophomore; 2 seats reserved for CATS (CLA Pres Emerg Scholars), 4 cr**1701 Photography: Darkroom & Digital**

(Credit will not be granted if credit has been received for: ARTS 2701; meets CLE req of Arts/Humanities)

11418 001 LAB, 09:05am-12:05pm MW, Regis W137, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 4 seats reserved for CLA Sophomore, 4 cr
11419 002 LAB, 06:00pm-10:00pm T, Regis W137, instruction mode: Classroom; Two additional hours of lab arranged per week; 5 seats reserved for CLA and fr or FRFY or NASS, 4 cr
11420 003 LAB, 09:05am-12:05pm TTh, Regis W137, instruction mode: Classroom; 4 seats reserved for CLA Sophomore; 5 seats reserved for CLA and fr or FRFY or NASS, 4 cr
25237 004 LAB, 06:00pm-10:00pm W, Regis W137, instruction mode: Classroom; Two additional hours of lab arranged per week; 5 seats reserved for CLA and fr or FRFY or NASS; 4 seats reserved for CLA Sophomore, 4 cr**1801 Ceramics**

(Credit will not be granted if credit has been received for: ARTS 2801; meets CLE req of Arts/Humanities)

13870 001 LAB, 09:05am-12:05pm MW, Regis E156, instruction mode: Classroom; 5 seats reserved for CLA Sophomore; 5 seats reserved for CLA and fr or FRFY or NASS, 4 cr
11453 002 LAB, 09:05am-12:05pm MW, Regis E154, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 2 seats reserved for CLA Sophomore, 4 cr
11454 003 LAB, 09:05am-12:05pm TTh, Regis E156, instruction mode: Classroom; 5 seats reserved for CLA Sophomore; 5 seats reserved for CLA and fr or FRFY or NASS, 4 cr
15666 004 LAB, 06:00pm-09:00pm MW, Regis E154, instruction mode: Classroom; 5 seats reserved for CLA and fr or FRFY or NASS; 5 seats reserved for CLA Sophomore, 4 cr**1905 Freshman Seminar**

(A-F only; prereq freshman)

23711 002 LEC, 10:10am-12:40pm F, Regis W132,
instruction mode: Classroom; Topic: Art and Language;
Estep, Jan, 3 cr
24143 003 LEC, 09:05am-12:05pm W, Regis W123,
instruction mode: Classroom; Topic: Mississippi Flows;
Willow, Diane, 3 cr

2101 Drawing

(Credit will not be granted if credit has been received for: ARTS 1101; A-F; prereq Intended or declared art major or minor; meets CLE req of Arts/Humanities)
22632 001 LAB, 01:25pm-04:25pm TTh, Regis W270,
instruction mode: Classroom; For intended and declared art majors and minors; 10 seats reserved for ArtS major; 4 seats reserved for CLA and fr or FRFY or NASS; Morgan, Clarence E., 4 cr

2102 Painting

(Credit will not be granted if credit has been received for: ARTS 1102; A-F; prereq 1101 or 2101, intended or declared art major)
23690 001 LAB, 01:25pm-04:25pm MW, Regis W268,
instruction mode: Classroom; For intended and declared art majors and minors; 10 seats reserved for ArtS major; Zefeldt, Mathew James, 4 cr

2301 Sculpture

(Credit will not be granted if credit has been received for: ARTS 1301; A-F; prereq Intended or declared art major or minor; meets CLE req of Arts/Humanities)
22633 001 LAB, 09:05am-12:05pm TTh, Regis E123,
instruction mode: Classroom; For intended and declared art majors and minors; Meets concurrently with ArtS1301-004; 8 seats reserved for ArtS major; 2 seats reserved for CLA and fr or FRFY or NASS; Meets with: 26546 ARTS 1301; Rose, Thomas Albert, 4 cr

2502 Printmaking: Relief, Screen, Digital Processes

(Credit will not be granted if credit has been received for: ARTS 1502; A-F; prereq Intended or declared art major or minor; meets CLE req of Arts/Humanities)
22634 001 LAB, 09:05am-12:05pm TTh, Regis W187,
instruction mode: Classroom; For intended and declared art majors and minors; Meets concurrently with ArtS 1502-002; 3 seats reserved for CLA and fr or FRFY or NASS; 2 seats reserved for ArtS major; Meets with: 23890 ARTS 1502, 4 cr

2701 Photography: Darkroom & Digital

(Credit will not be granted if credit has been received for: ARTS 1701; A-F; prereq Intended or declared art major or minor; meets CLE req of Arts/Humanities)
22635 001 LAB, 01:25pm-04:25pm TTh, Regis W137,
instruction mode: Classroom; For intended and declared art majors and minors; 4 seats reserved for CLA and fr or FRFY or NASS; 8 seats reserved for ArtS major; Shambroom, Paul Dennis, 4 cr

2801 Ceramics

(Credit will not be granted if credit has been received for: ARTS 1801; A-F; prereq Intended or declared art major or minor; meets CLE req of Arts/Humanities)
22636 001 LAB, 09:05am-12:05pm TTh, Regis E154,
instruction mode: Classroom; For intended and declared art majors and minors; 10 seats reserved for ArtS major; 4 seats reserved for CLA and fr or FRFY or NASS; Lane, Thomas J, 4 cr

3101 Intermediate Drawing

(prereq 1001, 1101 or 2101)
11416 001 LAB, 01:25pm-04:25pm MW, Regis W244,
instruction mode: Classroom; Peterson, Lamar, 4 cr
11417 002 LAB, 09:05am-12:05pm TTh, Regis W260,
instruction mode: Classroom, 4 cr

3102 Intermediate Painting

(prereq 1001, 1101 or 2101, 1102 or 2102)
11414 001 LAB, 09:05am-12:05pm MW, Regis W268,
instruction mode: Classroom; Peterson, Lamar, 4 cr
11415 002 LAB, 01:25pm-04:25pm TTh, Regis W268,
instruction mode: Classroom; Feinberg, David L, 4 cr

3107 Drawing Using Digital Media as an Essential Tool

(prereq 1001, 1101 or 2101)
19929 001 LAB, 09:05am-12:05pm TTh, Regis W240,
instruction mode: Classroom; Students will be assessed a \$100 materials fee for the course.; 5 seats reserved for ArtS major; Meets with: 19931 ARTS 5107; Katsiaficas, Diane, 4 cr

3303 Sculpture: Metalcasting

(prereq 1001, 1301)

23710 001 LAB, 06:00pm-10:00pm T, Regis E170A,
06:00pm-08:00pm Th, . ROOM-TBA, instruction mode:
Classroom; 5 seats reserved for ArtS major; Meets with:
23818 ARTS 5330; Ringle, Tamsie, 4 cr

3390 Sculpture Methods and Practice

(max crs 12; 3 repeats allowed; prereq 1001 or 1301 or 2301)
22637 001 LAB, 01:25pm-04:25pm MW, Regis E117,
instruction mode: Classroom; Topic prereq - 1001, 1301 or 2301; Meets with: 22638 ARTS 5390; Stanislav, Andrea Christine, 4 cr

3401W Critical Theories and Their Construction From a Studio Perspective

(prereq [1001, junior] or instr consent; meets CLE req of Arts/Humanities; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

23692 001 LEC, 03:35pm-05:00pm TTh, Regis W257,
instruction mode: Classroom, 3 cr

3411H Honors Tutorial in Visual Arts

(max crs 6; A-F only; prereq Honors, instr consent; meets HON req of Honors)
12935 001 IND, instruction mode: Classroom, 1-4 cr

3415H Honors Exhibition

(A-F only; prereq [Magna or summa honors candidate], instr consent , dept consent; meets HON req of Honors)

12945 001 LAB, instruction mode: Classroom, 2 cr

3416H Honors Thesis: Supporting Paper

(A-F only; prereq Summa level honors candidate, instr consent; meets HON req of Honors)
12946 001 IND, instruction mode: Classroom, 1 cr

3444 Major Project

(S-N; prereq Concurrent registration in a ARTS 3xxx or 5xxx course)

12925 001 IND, instruction mode: Classroom; Baeumler, Christine Arle, 1 cr
12926 002 IND, instruction mode: Classroom; Estep, Jan, 1 cr
12927 003 IND, instruction mode: Classroom; Feinberg, David L, 1 cr
12928 004 IND, instruction mode: Classroom; Henkel, James V, 1 cr
15682 005 IND, instruction mode: Classroom; Katsiaficas, Diane, 1 cr
12929 007 IND, instruction mode: Classroom; Lane, Thomas J, 1 cr
23820 009 IND, instruction mode: Classroom; Lukkas, Lynn Tjerman, 1 cr
14600 010 IND, instruction mode: Classroom; Lyon, Joyce, 1 cr
12931 011 IND, instruction mode: Classroom; Morgan, Clarence E., 1 cr
12933 013 IND, instruction mode: Classroom; Fullerton, Teri, 1 cr
12934 014 IND, instruction mode: Classroom; Rose, Thomas Albert, 1 cr
25716 016 IND, instruction mode: Classroom; Shambroom, Paul Dennis, 1 cr
21482 017 IND, instruction mode: Classroom; Stanislav, Andrea Christine, 1 cr
22641 018 IND, instruction mode: Classroom; Willow, Diane, 1 cr
22642 019 IND, instruction mode: Classroom; Yamada, Tetsuya, 1 cr
22643 020 IND, instruction mode: Classroom; Peterson, Lamar, 1 cr
22644 021 IND, instruction mode: Classroom; Overturf, Edie, 1 cr
22645 022 IND, instruction mode: Classroom; Schmid, Christina Heidi, 1 cr
24292 023 IND, instruction mode: Classroom; Zefeldt, Mathew James, 1 cr
24293 024 IND, instruction mode: Classroom; Ringle, Tamsie, 1 cr

3490 Workshop in Art

(max crs 12; 3 repeats allowed)
26020 002 LAB, 09:05am-12:05pm MW, Regis W132,
instruction mode: Classroom; Workshop: Photography, The Constructed Image, 1-4 cr

3496 Internship in the Arts

(max crs 3; S-N only; prereq BFA Art major, instr consent)
11954 001 FWK, instruction mode: Classroom; Baeumler, Christine Arle, 1-3 cr
19374 002 FWK, instruction mode: Classroom; Estep, Jan, 1-3 cr
19375 003 FWK, instruction mode: Classroom; Feinberg, David L, 1-3 cr

19376 004 FWK, instruction mode: Classroom; Henkel, James V, 1-3 cr
19377 005 FWK, instruction mode: Classroom; Katsiaficas, Diane, 1-3 cr
19379 007 FWK, instruction mode: Classroom; Lane, Thomas J, 1-3 cr
19380 008 FWK, instruction mode: Classroom; Larson, Chris, 1-3 cr
19381 009 FWK, instruction mode: Classroom; Lukkas, Lynn Tjerman, 1-3 cr
19382 010 FWK, instruction mode: Classroom; Lyon, Joyce, 1-3 cr
19383 011 FWK, instruction mode: Classroom; Morgan, Clarence E., 1-3 cr
19384 012 FWK, instruction mode: Classroom; Pharis, Mark W, 1-3 cr
19386 014 FWK, instruction mode: Classroom; Rose, Thomas Albert, 1-3 cr
19387 015 FWK, instruction mode: Classroom; Schmid, Jenny, 1-3 cr
23821 016 FWK, instruction mode: Classroom; Shambroom, Paul Dennis, 1-3 cr
22646 017 FWK, instruction mode: Classroom; Stanislav, Andrea Christine, 1-3 cr
22647 018 FWK, instruction mode: Classroom; Willow, Diane, 1-3 cr
22648 019 FWK, instruction mode: Classroom; Yamada, Tetsuya, 1-3 cr

3499 Internship at Katherine E. Nash**Gallery**

(A-F; prereq 1001 or ARTH 1XXX or instr consent)
11531 001 FWK, 10:10am-12:30pm F, Regis E231,
instruction mode: Classroom; Prereq: ArtS 1001 or one ArtS course or 1xxx Art History or permission of instructor; Friday meetings will be arranged throughout the semester to coincide with exhibitions.; Iacovino, Terez Noelle, 3 cr

3510 Intermediate Printmaking: Traditional and Contemporary Approaches

(max crs 8; prereq 1001, [1501 or 2501 or 1502 or 2502])
17653 001 LAB, 01:25pm-04:25pm MW, Regis W182,
instruction mode: Classroom, 4 cr

3601 New Media: Making Art Interactive

(prereq 1001, 1601 or 2601; Note: Students without stated prerequisites will not be allowed to continue in this course.)
25238 001 LAB, 01:25pm-04:25pm MW, Regis W123,
instruction mode: Classroom; Meets with: 25240 ARTS 5610; Willow, Diane, 4 cr

3602 Narrative Digital Video

(prereq 1001, [1601 or 2601 or instr consent])
25239 001 LAB, 01:25pm-04:25pm TTh, Regis W121,
instruction mode: Classroom; Meets with: 25241 ARTS 5620; Lukkas, Lynn Tjerman, 4 cr

3604 Animation

(prereq 1001, 1601 or 2601)
14728 001 LAB, 10:10am-02:15pm F, Regis W121,
instruction mode: Classroom; Two additional lab hours arranged per week.; 2D FOCUS; Meets with: 14729 ARTS 5640, 4 cr

3701 Photography: Silver Processes

(prereq 1001, 1701 or 2701)
13445 001 LAB, 01:25pm-04:25pm MW, Regis W132,
instruction mode: Classroom; 5 seats reserved for ArtS major, 4 cr

3703 Photography: Digital Imaging

(prereq 1001, [1703 or 2703])
24319 001 LAB, 01:25pm-04:25pm MW, Regis W137,
instruction mode: Classroom; 7 seats reserved for ArtS major, 4 cr

3801 Ceramics: Wheel Throwing

(max crs 8; prereq 1001, 1801 or 2801)
14598 001 LAB, 01:25pm-04:25pm TTh, Regis E156,
instruction mode: Classroom; 5 seats reserved for ArtS major, 4 cr

3802 Ceramics: Handbuilding

(max crs 8; prereq 1001, 1801 or 2801)
15586 002 LAB, 01:25pm-04:25pm MW, Regis E154,
instruction mode: Classroom; Yamada, Tetsuya, 4 cr

5107 Advanced Drawing Using Digital Media

(prereq 3107 or instr consent)
19931 001 LAB, 09:05am-12:05pm TTh, Regis W240,
instruction mode: Classroom; Students will be assessed a \$100 materials fee for the course.; Meets with: 19929 ARTS 3107; Katsiaficas, Diane, 4 cr

5110 Advanced Drawing

(max crs 16; 4 repeats allowed; prereq 3101 or 3111 or instr consent)

11660 001 LAB, 09:05am-12:05pm MW, Regis W260, instruction mode: Classroom; Baeumlcr, Christine Arle, 4 cr

5120 Advanced Painting

(max crs 16; 4 repeats allowed; prereq 3102 or instr consent)

11591 001 LAB, 09:05am-12:05pm TTh, Regis W264, instruction mode: Classroom; Morgan, Clarence E., 4 cr

5330 Advanced Sculpture: Metal Casting

(max crs 12; 3 repeats allowed; prereq 3303 or instr consent)

23818 1001 LAB, 06:00pm-10:00pm T, Regis E170A, 06:00pm-08:00pm Th, ROOM-TBA, instruction mode: Classroom; Meets with: 23710 ARTS 3303; Ringle, Tamsie, 4 cr

5390 Advanced Sculpture Methods and Practice

(max crs 12; 3 repeats allowed; prereq 5300)

22638 001 LAB, 01:25pm-04:25pm MW, Regis E117, instruction mode: Classroom; Meets with: 22637 ARTS 3390; Stanislav, Andrea Christine, 4 cr

5400 Seminar: Concepts and Practices in Art

(max crs 6; prereq BFA candidate or instr consent)

15036 1001 LEC, 05:30pm-08:30pm W, Regis W257, instruction mode: Classroom, 3 cr

5490 Workshop in Art

(max crs 36; 12 repeats allowed)

26021 1001 LAB, 05:30pm-08:30pm M, Regis W132, instruction mode: Classroom; A course fee of \$250 will be assessed to this class.; Estep, Jan, 3 cr

5510 Advanced Printmaking

(max crs 12; 3 repeats allowed; prereq 3510 or instr consent)

17282 001 LAB, 01:25pm-04:25pm TTh, Regis W187, instruction mode: Classroom; Meets with: 18905 ARTS 8500, 4 cr

5610 New Media: Making Art Interactive

(max crs 12; 3 repeats allowed; prereq 3601 or instr consent; Note: Students without stated prerequisites will not be allowed to continue in this course.)

25240 001 LAB, 01:25pm-04:25pm MW, Regis W123, instruction mode: Classroom; Meets with: 25238 ARTS 3601; Willow, Diane, 4 cr

5620 Narrative Digital Video

(max crs 12; 3 repeats allowed; prereq 3602)

25241 001 LAB, 01:25pm-04:25pm TTh, Regis W121, instruction mode: Classroom; Meets with: 25239 ARTS 3602; Lukkas, Lynn Tjerman, 4 cr

5640 Advanced Animation

(max crs 12; 3 repeats allowed; prereq 3604 or instr consent)

14729 001 LAB, 10:10am-02:15pm F, Regis W121, instruction mode: Classroom; Two additional hours of lab arranged; Meets with: 14728 ARTS 3604, 4 cr

5710 Advanced Photography

(max crs 12; 3 repeats allowed; prereq Two semesters of 3xxx photography or instr consent)

11421 001 LAB, 09:05am-12:05pm TTh, Regis W175, instruction mode: Classroom; Meets with ArtS 8700; Shambroom, Paul Dennis, 4 cr

5810 Advanced Ceramics

(max crs 16; 4 repeats allowed; prereq [3801, 3802, 3810] or instr consent)

11603 001 LAB, 01:25pm-04:25pm TTh, Regis E155, instruction mode: Classroom; Meets with: 13278 ARTS 8800; Lane, Thomas J, 4 cr

5990 Independent Study in Art

(max crs 12; 12 repeats allowed; prereq Major, completed regular course with instructor, instr consent)

11955 001 IND, instruction mode: Classroom; Baeumlcr, Christine Arle, 1-4 cr
11956 002 IND, instruction mode: Classroom; Estep, Jan, 1-4 cr
11957 003 IND, instruction mode: Classroom; Feinberg, David L, 1-4 cr
11958 004 IND, instruction mode: Classroom; Henkel, James V, 1-4 cr
11959 005 IND, instruction mode: Classroom; Katsiaficas, Diane, 1-4 cr

11960 007 IND, instruction mode: Classroom; Lane, Thomas J; McGee-Newton, Margie, 1-4 cr

11961 008 IND, instruction mode: Classroom; Larson, Chris; McGee-Newton, Margie, 1-4 cr

11962 009 IND, instruction mode: Classroom; Lukkas, Lynn Tjerman, 1-4 cr

23822 010 IND, instruction mode: Classroom; Lyon, Joyce, 1-4 cr

11963 011 IND, instruction mode: Classroom; Morgan, Clarence E., 1-4 cr

11964 012 IND, instruction mode: Classroom; Pharis, Mark W, 1-4 cr

11965 013 IND, instruction mode: Classroom; Fullerton, Teri, 1-4 cr

11966 014 IND, instruction mode: Classroom; Rose, Thomas Albert, 1-4 cr

14385 015 IND, instruction mode: Classroom; Schmid, Jenny, 1-4 cr

14616 016 IND, instruction mode: Classroom; Shambroom, Paul Dennis, 1-4 cr

14617 017 IND, instruction mode: Classroom; Stanislav, Andrea Christine, 1-4 cr

14618 018 IND, instruction mode: Classroom; Willow, Diane, 1-4 cr

22653 019 IND, instruction mode: Classroom; Yamada, Tetsuya; McGee-Newton, Margie, 1-4 cr

22654 020 IND, instruction mode: Classroom; Peterson, Lamar, 1-4 cr

22786 021 IND, instruction mode: Classroom; Overturf, Edie; McGee-Newton, Margie, 1-4 cr

23292 022 IND, instruction mode: Classroom; Schmid, Christina Heidi, 1-4 cr

24290 023 IND, instruction mode: Classroom; Zefeldt, Mathew James, 1-4 cr

8100 Practice and Critique: Drawing and Painting

(max crs 12; 4 repeats allowed; prereq Art MFA student)

13522 001 LAB, instruction mode: Classroom; Peterson, Lamar, 3 cr

8300 Practice and Critique: Sculpture

(max crs 12; 4 repeats allowed)

24338 001 LEC, instruction mode: Classroom; Rose, Thomas Albert, 3 cr

8400 Theoretical Constructions in Contemporary Art

(max crs 6)

11589 001 LEC, 01:25pm-03:55pm F, Regis W175, instruction mode: Classroom; Estep, Jan, 3 cr

8490 Workshop in Art

(max crs 12; 3 repeats allowed)

25002 001 LAB, instruction mode: Classroom; Writing Workshop for Arts grads, 1-4 cr

8500 Practice and Critique: Printmaking

(max crs 12; 4 repeats allowed)

18905 017 LAB, 01:25pm-04:25pm TTh, Regis W187, instruction mode: Classroom; Meets with: 17282 ARTS 5510, 3 cr

8600 Practice and Critique: Experimental and Media Arts

(max crs 12; 4 repeats allowed)

14619 010 LAB, instruction mode: Classroom; Lukkas, Lynn Tjerman, 3 cr

8700 Practice and Critique: Photography

(max crs 12; 4 repeats allowed)

16779 002 LAB, instruction mode: Classroom; Combined with ArtS 5710; Estep, Jan, 3 cr

8800 Practice and Critique: Ceramics

(max crs 12; 4 repeats allowed; A-F only)

13278 001 LAB, 01:25pm-04:25pm TTh, Regis E155, instruction mode: Classroom; Meets with: 11603 ARTS 5810; Lane, Thomas J, 3 cr

8990 M.F.A. Creative Thesis

(max crs 18; 18 repeats allowed; prereq Art MFA candidate, passed oral/written prelim, instr consent)

11830 001 IND, instruction mode: Classroom; Baeumlcr, Christine Arle, 1-9 cr
11831 002 IND, instruction mode: Classroom; Estep, Jan, 1-9 cr
11832 003 IND, instruction mode: Classroom; Feinberg, David L, 1-9 cr
11833 004 IND, instruction mode: Classroom; Henkel, James V, 1-9 cr
11834 005 IND, instruction mode: Classroom; Katsiaficas, Diane, 1-9 cr

11835 006 IND, instruction mode: Classroom; Zefeldt,

Mathew James, 1-9 cr

11836 007 IND, instruction mode: Classroom; Lane, Thomas J, 1-9 cr

11837 008 IND, instruction mode: Classroom; Larson, Chris, 1-9 cr

11838 009 IND, instruction mode: Classroom; Lukkas, Lynn Tjerman, 1-9 cr

11839 010 IND, instruction mode: Classroom; Lyon, Joyce, 1-9 cr

11840 011 IND, instruction mode: Classroom; Morgan, Clarence E., 1-9 cr

11841 012 IND, instruction mode: Classroom; Pharis, Mark W, 1-9 cr

14599 014 IND, instruction mode: Classroom; Rose, Thomas Albert, 1-9 cr

11842 015 IND, instruction mode: Classroom; Schmid, Jenny, 1-9 cr

11843 016 IND, instruction mode: Classroom; Shambroom, Paul Dennis, 1-9 cr

11844 017 IND, instruction mode: Classroom; Stanislav, Andrea Christine, 1-9 cr

11845 018 IND, instruction mode: Classroom; Willow, Diane, 1-9 cr

11846 019 IND, instruction mode: Classroom; Yamada, Tetsuya, 1-9 cr

15125 020 IND, instruction mode: Classroom, 1-9 cr

23291 022 IND, instruction mode: Classroom, 1-9 cr

ART HISTORY (ArthH)338 Heller Hall, 271-19th Ave So, West Bank Campus, Minneapolis, MN, 55455
612/624-4500, <http://www.arthist.umn.edu>**1002W Why Art Matters**

(meets CLE req of Arts/Humanities; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

001 LEC, 09:05am-09:55am MWF, AndH 370, instruction mode: Classroom

33806 002 DIS, 10:10am-11:00am M, BlegH 205, instruction mode: Classroom; , 4 cr

33807 003 DIS, 08:00am-08:50am W, BlegH 210, instruction mode: Classroom; , 4 cr

33808 004 DIS, 10:10am-11:00am W, BlegH 205, instruction mode: Classroom; , 4 cr

33809 005 DIS, 10:10am-11:00am F, BlegH 225, instruction mode: Classroom; , 4 cr

1004W Introduction to Asian Art

(Credit will not be granted if credit has been received for: ARTH 1004V; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

23377 001 LEC, 11:15am-12:30pm MW, AndH 270, instruction mode: Classroom; This course fulfills the Art History Foundation requirement for the major.; Kim,

Minku; , 3 cr

1921W Introduction to Film Study

(Credit will not be granted if credit has been received for: CSCL 1921W; meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)

001 LEC, 12:20pm-01:10pm MW, AndH 230, 12:20pm-03:00pm F, AndH 230, instruction mode:

Classroom; Students must attend the Monday, Wednesday, and Friday class sessions, in addition to their selected discussion section.; Silberman, Robert B; Lorber, Aron M; Whitman, Madeline J

21285 002 DIS, 01:25pm-02:15pm M, BlegH 330, instruction mode: Classroom; , 4 cr

21286 003 DIS, 11:15am-12:05pm M, BlegH 335, instruction mode: Classroom; , 4 cr

21287 004 DIS, 11:15am-12:05pm W, BlegH 335, instruction mode: Classroom; , 4 cr

33810 005 DIS, 01:25pm-02:15pm W, BlegH 330, instruction mode: Classroom; , 4 cr

3009 Medieval Art

(Credit will not be granted if credit has been received for: MEST 3009; meets CLE req of Arts/Humanities)

24093 001 LEC, 09:45am-11:00am MW, BlegH 145, instruction mode: Classroom; Bartoli, Roberta; , 3 cr

3012 19th and 20th Century Art

17054 001 LEC, 09:45am-11:00am MW, BlegH 110, instruction mode: Classroom; Weisberg, Gabriel; , 3 cr

3014W Art of India

(Credit will not be granted if credit has been received for: ALL 3014W, RELS 3415W, ARTH 3014V; meets CLE req of Arts/Humanities; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

001 LEC, 01:00pm-02:15pm MW, AndH 330, instruction mode: Classroom; Asher, Frederick M;
33812 002 DIS, 02:30pm-03:20pm M, BlegH 225, instruction mode: Classroom; , 4 cr
33813 003 DIS, 02:30pm-03:20pm W, BlegH 225, instruction mode: Classroom; , 4 cr
33814 004 DIS, 11:15am-12:05pm W, BlegH 330, instruction mode: Classroom; , 4 cr
33815 005 DIS, 01:25pm-02:15pm F, BlegH 210, instruction mode: Classroom; , 4 cr

3015W Art of Islam

(Credit will not be granted if credit has been received for: CLCV 3015W; meets CLE req of Arts/Humanities; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

001 LEC, 10:10am-11:00am MW, HMH 1-109, instruction mode: Classroom; Asher, Catherine B
33817 002 DIS, 11:15am-12:05pm M, BlegH 330, instruction mode: Classroom; , 4 cr
33818 003 DIS, 11:15am-12:05pm W, BlegH 225, instruction mode: Classroom; , 4 cr

3152 Art and Archaeology of Ancient Greece

(Credit will not be granted if credit has been received for: CNES 3152; meets CLE req of Historical Perspectives)

34328 001 LEC, instruction mode: Classroom, 3 cr

3162 Roman Art and Archaeology

(Credit will not be granted if credit has been received for: CNES 3162; meets CLE req of Historical Perspectives)

33819 001 LEC, instruction mode: Classroom, 3 cr

3315 The Age of Curiosity: Art and Knowledge in Europe, 1500-1800.

(Credit will not be granted if credit has been received for: HIST 3708; meets CLE req of Arts/Humanities; meets CLE req of Technology and Society)

001 LEC, 10:10am-11:00am MW, AndH 370, instruction mode: Classroom; Gaudio, Michael;
33821 002 DIS, 11:15am-12:05pm M, BlegH 225, instruction mode: Classroom; , 3 cr
33822 003 DIS, 11:15am-12:05pm W, BlegH 205, instruction mode: Classroom; , 3 cr
33823 004 DIS, 10:10am-11:00am F, BlegH 105, instruction mode: Classroom; , 3 cr
33824 005 DIS, 11:15am-12:05pm F, BlegH 210, instruction mode: Classroom; , 3 cr
33825 006 DIS, 09:05am-09:55am W, BlegH 330, instruction mode: Classroom; , 3 cr
33826 007 DIS, 11:15am-12:05pm M, BlegH 205, instruction mode: Classroom; , 3 cr

3484 The Art of Picasso and the Modern Movement

25197 001 LEC, 01:00pm-02:15pm TTh, BlegH 155, instruction mode: Classroom; Meets with: 25203 ARTH 5484; Weisberg, Gabriel, 4 cr

3929 Cinema Now

(meets CLE req of Arts/Humanities)

33827 001 LEC, 02:30pm-05:00pm MW, BlegH 215, instruction mode: Classroom; Silberman, Robert B, ; 3 cr

3940 Topics in Art History

(max crs 4)

25857 001 LEC, 04:00pm-06:30pm T, HHHctr 25, instruction mode: Classroom; Harle, Peter Glen; , 3 cr; Graves, Graffiti, & More: Seeing American Folklife

3971V Honors: Major Project

(Credit will not be granted if credit has been received for: ARTH 3971V; A-F only; prereq Honors Arth major, instr consent; meets CLE req of Writing Intensive; meets HON req of Honors)

21288 001 IND, 02:30pm-03:20pm Th, BlegH 105, instruction mode: Classroom; Facilitate completion of a research paper begun in a 5xxx course to qualify as senior project. Evaluation of work to date while strengthening skills and research experience. Study of historical, philosophical, and aesthetic methods related to the writing of art history as well as exposure to a variety of art historical genres.; Meets with: 17217 ARTH 3971W; , 1 cr

3971W Major Project

(Credit will not be granted if credit has been received for: ARTH 3971V; A-F only; prereq Arth major, instr consent; meets CLE req of Writing Intensive)

17217 001 IND, 02:30pm-03:20pm Th, BlegH 105, instruction mode: Classroom; Facilitate completion of a research paper begun in a 5xxx course to qualify as senior project. Evaluation of work to date while strengthening skills and

research experience. Study of historical, philosophical, and aesthetic methods related to the writing of art history as well as exposure to a variety of art historical genres.; Meets with: 21288 ARTH 3971W; , 1 cr

3975 Directed Museum Experience

(max crs 2; prereq instr consent)

17218 001 IND, instruction mode: Classroom; , 1-2 cr

3993 Directed Study

(max crs 12; 3 repeats allowed; A-F only; prereq instr consent)

16857 001 IND, instruction mode: Classroom; Afanador-Pujol, Angelica J, 1-4 cr
16858 002 IND, instruction mode: Classroom; Asher, Catherine B, 1-4 cr
16859 003 IND, instruction mode: Classroom; Asher, Frederick M, 1-4 cr
16860 004 IND, instruction mode: Classroom; Blocker, Jane M, 1-4 cr
16861 005 IND, instruction mode: Classroom; Canepa, Matthew P., 1-4 cr
16862 006 IND, instruction mode: Classroom; Gaudio, Michael, 1-4 cr
16863 007 IND, instruction mode: Classroom; Kim, Minku, 1-4 cr
16864 008 IND, instruction mode: Classroom; Marshall, Jennifer Jane, 1-4 cr
16865 009 IND, instruction mode: Classroom; Ostrow, Steven F, 1-4 cr
16866 010 IND, instruction mode: Classroom; Silberman, Robert B, 1-4 cr
23386 011 IND, instruction mode: Classroom; Weisberg, Gabriel, 1-4 cr

3994 Directed Research

(max crs 12; 3 repeats allowed; A-F only; prereq instr consent)

18172 001 IND, instruction mode: Classroom; Afanador-Pujol, Angelica J, 1-4 cr
23387 002 IND, instruction mode: Classroom; Asher, Catherine B, 1-4 cr
23388 003 IND, instruction mode: Classroom; Asher, Frederick M, 1-4 cr
23389 004 IND, instruction mode: Classroom; Blocker, Jane M, 1-4 cr
23390 005 IND, instruction mode: Classroom; Canepa, Matthew P., 1-4 cr
23391 006 IND, instruction mode: Classroom; Gaudio, Michael, 1-4 cr
23392 007 IND, instruction mode: Classroom; Kim, Minku, 1-4 cr
23393 008 IND, instruction mode: Classroom; Marshall, Jennifer Jane, 1-4 cr
23394 009 IND, instruction mode: Classroom; Ostrow, Steven F, 1-4 cr
23395 010 IND, instruction mode: Classroom; Silberman, Robert B, 1-4 cr
23396 011 IND, instruction mode: Classroom; Weisberg, Gabriel, 1-4 cr

5324 15th-Century Painting

(prereq Jr or sr or grad or instr consent)

33828 001 LEC, 01:00pm-02:15pm MW, BlegH 105, instruction mode: Classroom; Bartoli, Roberta, 3 cr

5484 The Art of Picasso and the Modern Movement

25203 001 LEC, 01:00pm-02:15pm TTh, BlegH 155, instruction mode: Classroom; Meets with: 25197 ARTH 3484; Weisberg, Gabriel, 4 cr

5766 Chinese Painting

33829 001 LEC, 01:00pm-02:15pm MW, BlegH 210, instruction mode: Classroom; Kim, Minku, 3 cr

5781 Age of Empire: The Mughals, Safavids, and Ottomans

33830 001 LEC, 02:30pm-03:45pm MW, BlegH 115, instruction mode: Classroom; Asher, Catherine B, 3 cr

5950 Topics: Art History

(max crs 9; 3 repeats allowed)

25242 001 LEC, instruction mode: Classroom; This course focuses on Italian art from the end of the fourteenth century through the sixteenth century. We will analyze illuminated manuscripts, paintings, sculpture, architecture, and the so-called applied arts within the social and historical context of the time. As the patronage of wealthy cities and princely courts fostered a lifestyle of extreme elegance, special attention will be given to fashion?in clothing and jewelry, armor, rugs and tapestries, and furniture., 3 cr

5993 Directed Study

(max crs 12; 3 repeats allowed; A-F only; prereq instr consent)

13689 001 IND, instruction mode: Classroom; Afanador-Pujol, Angelica J, 1-4 cr
15421 002 IND, instruction mode: Classroom; Asher, Catherine B, 1-4 cr
16867 003 IND, instruction mode: Classroom; Asher, Frederick M, 1-4 cr
16868 004 IND, instruction mode: Classroom; Blocker, Jane M, 1-4 cr
16869 005 IND, instruction mode: Classroom; Canepa, Matthew P., 1-4 cr
16870 006 IND, instruction mode: Classroom; Gaudio, Michael, 1-4 cr
16871 007 IND, instruction mode: Classroom; Kim, Minku, 1-4 cr
16872 008 IND, instruction mode: Classroom; Marshall, Jennifer Jane, 1-4 cr
16873 009 IND, instruction mode: Classroom; Ostrow, Steven F, 1-4 cr
21289 010 IND, instruction mode: Classroom; Silberman, Robert B, 1-4 cr
23397 011 IND, instruction mode: Classroom; Weisberg, Gabriel, 1-4 cr

5994 Directed Research

(max crs 4; A-F only; prereq instr consent)

17219 001 IND, instruction mode: Classroom; , 1-4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

17220 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

17221 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

17222 001 IND, instruction mode: Classroom, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

17223 001 IND, instruction mode: Classroom, 1-24 cr

8970 Directed Studies

(max crs 12; 12 repeats allowed; prereq instr consent)

12332 001 IND, instruction mode: Classroom; , 1-3 cr

ARTS AND CULTURAL LEADERSHIP (ACL)

20 Ruttan Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 55108

612/626-8724, <http://www.cce.umn.edu/acl>

5100 Topics in Arts and Cultural Leadership

(max crs 24; 24 repeats allowed; A-F only; prereq dept consent)

34738 001 LEC, 06:00pm-09:00pm T, RuttanH B22, STPAUL, 09/08/15-12/15/15, 01:00pm-06:00pm S, RuttanH B22, STPAUL, 09/26/15-09/26/15, instruction mode: Classroom; Art and Politics - No artist or arts organization functions in a vacuum. They are surrounded by communities dealing with many social issues, and by governments that can help or harm their ability to create art and serve the public. In this class, we will explore how social movements have used the arts to create social change, and how arts organizations can navigate in the political environments surrounding them.

34746 002 LEC Th, Room TBA, 09/10/15-10/22/15, instruction mode: Classroom; The Creative Arts as a Focus for Technology, Work, and Values - Futurists tell us that the scientist will continue to be the tool maker so that we can be ever more efficient in controlling and manipulating our environment. Some form of farmer will meet the nutrition needs of the planet (perhaps several planets). Some form of military will keep order, and the administrator will be with us because "someone has to be responsible." Futurists often forget an important member of the team, the poet/artist who gives it all meaning and makes it all worthwhile.

5220 Philanthropy, Development, and Strategic Leadership

(A-F only; prereq dept consent)

25673 001 LEC, instruction mode: Classroom;
Philanthropy, Development, and Strategic Leadership: Securing and Sustaining Resources - Explore the variety of funding sources available to nonprofit organizations, and the strategies employed to acquire and sustain the necessary resources. Investigate and discuss the complexities and nuances of both earned and unearned income for nonprofits, the motives and perspectives of funders and donors, the role of communications strategies in support of fundraising, and the importance of leadership in acquiring resources to sustain and grow a successful organization. Develop both a broad understanding of resources as well as detailed strategies for supporting nonprofit organizations. Participants will interact with leaders from the foundation and nonprofit community during most class sessions, including from the State Arts Board, St. Paul Foundation, TPT, Jerome Foundation, Bush Foundation, etc.; Meets with: 34674 LS 5100; Trow, Tom; Gehrig, Cynthia Ann Gid, 3 cr

5950 Special Topics

(max crs 12; 12 repeats allowed; A-F only; prereq dept consent)

34764 001 LEC, 09:00am-03:00pm S, McNH 146, STPAUL, 09/19/15-09/19/15, instruction mode: Classroom;
Building Community Through Poetry, Story, and Art - Within the context of this seminar, we will build a community from the shared reading, viewing, telling, writing, and creation of poetry, story and art. We will simultaneously consider the communities in which we belong, ultimately developing an action research project around community development through poetry, story, and art within one community. We will document our plan, process and outcome in order to further craft our ability to integrate the arts into our places of work, family, neighborhoods, and worship., 1-4 cr

5993 Directed Studies

(max crs 15; 15 repeats allowed; A-F; prereq Grad student, dept consent)

21384 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

8001 Introduction to Interdisciplinary Inquiry

(A-F only; prereq ACL student or dept consent)

24503 001 DIS, instruction mode: Classroom; Required introductory seminar for admitted ACL students. Emphasizes what individual students need to know or be able to do to successfully complete his or her individually crafted interdisciplinary program, including critical thinking, clear writing, and interdisciplinary research.; Meets with: 12830 LS 8001; Gustafson, DonnaMae J, 3 cr

8002 Final Project Seminar

(S-N; prereq ACL student or dept consent)

24670 001 LEC, instruction mode: Classroom; The Final Project Seminar is designed to help ACL students bring their respective projects/papers to closure. This course will run through Fall 15 and Spring 16 semesters. It will meet in class 5-7 times during Fall semester on dates to be determined.

8202 Nonprofit Board Practicum

(max crs 2; A-F; prereq ACL student, dept consent)

21389 001 IND, 08/07/15-06/15/16, instruction mode: Partially Online; Board placement in arts and cultural organizations throughout the Twin Cities metro area. Fiduciary, strategic and generative governance are fully explored through the lens of peer-learning and facilitation by a seasoned board and non-profit professional. Course will examine the role of the executive leader to the board and how executive leadership can foster a healthy organization in concert with a strong and highly functioning board. Meeting times and dates TBD; Ober, Gayle Marie, 1 cr

ASIAN AMERICAN STUDIES (AAS)

214 Social Sciences Building, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/625-4813, <http://www.aas.umn.edu/>

3251W Sociological Perspectives on Race, Class, and Gender

(Credit will not be granted if credit has been received for: AFRO 3251W, SOC 3251W; A-F; prereq Soc majors/minors must register A-F; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences; meets CLE req of Writing Intensive)

33980 001 LEC, 01:00pm-02:15pm MW, WulH 240, instruction mode: Classroom; Meets with: 33802 AFRO 3251W; Brewer, Rose Marie, 3 cr

3875W Comparative Race and Ethnicity in U.S. History

(Credit will not be granted if credit has been received for: HIST 3875W; A-F only; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

34904 001 LEC, 11:15am-12:30pm MW, WulH 220, instruction mode: Classroom; Meets with: 34907 HIST 3875W; Onishi, Yuichiro, 4 cr

3993 Directed Studies in Asian American Studies

(max crs 9; prereq instr consent)

21507 001 IND, instruction mode: Classroom, 1-9 cr

4231 Color of Public Policy: African Americans, American Indians, Asian Americans & Chicanos in the U.S.

(Credit will not be granted if credit has been received for: AFRO 4231, AMIN 4231, CHIC 4231)

26788 001 LEC, 04:00pm-06:45pm M, NichH 335, instruction mode: Classroom; Meets with: 25807 AFRO 4231, 26785 AMIN 4231, 26786 CHIC 4231; Brewer, Rose Marie, 3 cr

4311 Asian American Literature and Drama (A-F only; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature)

34318 001 LEC, 02:30pm-03:45pm TTh, FordH 170, instruction mode: Classroom; Meets with: 31405 ENGL 4311; Lee, Josephine D, 3 cr

5993 Directed Readings

(max crs 8)

21211 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

ASIAN LANGUAGES AND LITERATURES (ALL)

220 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6534, <http://all.umn.edu>

1905 Freshman Seminar

(max crs 6; A-F only; prereq freshman)

25079 1001 LEC, 02:30pm-03:45pm TTh, RapsonH 43, 06:00pm-09:00pm T, FolH 122, instruction mode: Classroom; Film screenings Tuesdays 6:00 - 8:00; Sinha, Suvadip, 3 cr

3001 Reading Asian Cultures

(A-F only)

25013 001 LEC, 01:00pm-02:15pm MW, PillsH 110, instruction mode: Classroom; 60 seats reserved for Asian Lang & Lit mjr and minor - EXPIRES 01-MAY-2015; Marran, Christine L, 3 cr

3336 Revolution and Modernity in Chinese Literature and Culture

(A-F)

25008 001 LEC, 02:30pm-03:45pm TTh, ScottH 4, instruction mode: Classroom; 25 seats reserved for Asian Lang & Lit mjr and minor - EXPIRES 01-MAY-2015; Allen, Joseph R, 3 cr

3356W Chinese Film

(A-F only; credit will not be granted if credit received for: Chn 3166W; meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)

31426 1001 LEC, 02:30pm-03:45pm MW, NichH 125, 06:00pm-08:00pm W, NichH 125, instruction mode: Classroom; Film Screenings are Wednesdays 6:00 to 9:00pm; 25 seats reserved for Asian Lang & Lit mjr and minor - EXPIRES 01-AUG-2015; McGrath, Jason, 3 cr

3437 Early 20th Century Japanese Literature in Translation

(credit will not be granted if credit received for: Jpn 3163)

31430 001 LEC, 04:00pm-05:15pm TTh, FolH 105, instruction mode: Classroom; Posadas, Baryon Tensor, 3 cr

3478 Modern Japan, Meiji to the Present (1868-2000)

(Credit will not be granted if credit has been received for: HIST 3471, EAS 3471; meets CLE req of Historical Perspectives)

31446 001 LEC, 11:15am-12:30pm TTh, FolH 107, instruction mode: Classroom; Mizuno, Hiromi, 3 cr

3536 Modern Korean Literature

(meets CLE req of Global Perspectives; meets CLE req of Literature)

25015 001 LEC, 02:30pm-03:45pm TTh, NichH 125, instruction mode: Classroom; 25 seats reserved for Asian Lang & Lit mjr and minor - EXPIRES 01-MAY-2015; Workman, Travis, 3 cr

3637W Writing Self and the Nation: Modern Literature from the Indian Subcontinent

(A-F only; meets CLE req of Writing Intensive)

25014 001 LEC, 11:15am-12:30pm TTh, FolH 3, instruction mode: Classroom; 10 seats reserved for Asian Lang & Lit mjr and minor - EXPIRES 01-MAY-2015; Sinha, Suvadip, 3 cr

3671 Hinduism

(Credit will not be granted if credit has been received for: ALL 5671, RELS 3671, RELS 5671, HIST 3492; credit will not be granted if credit already received for: SALC 3412/SALC 5412)

31636 001 LEC, 11:15am-12:30pm MW, FolH 107, instruction mode: Classroom; Skaria, Ajay, 3 cr

3871 Islam: Religion and Culture

(Credit will not be granted if credit has been received for: ARAB 3036, HIST 3493, RELS 3712; prereq Soph jr or sr)

31639 1001 LEC, 05:45pm-08:15pm M, FolH 118, instruction mode: Classroom; Matar, Nabil I, 3 cr

3872 The Cultures of the Silk Road

(Credit will not be granted if credit has been received for: HIST 3504, RELS 3708)

31640 001 LEC, 02:30pm-03:20pm MWF, FolH 119, instruction mode: Classroom; Bashiri, Iraj, 3 cr

3920 Topics in Asian Culture

(max crs 9; 3 repeats allowed)

25059 001 LEC, 02:00pm-03:15pm TTh, HHCtr 20, instruction mode: Classroom; Topic Title: Language & Society of Two Koreas; 10 seats reserved for Asian Lang & Lit mjr and minor; Cho, Hangtae, 3 cr
31602 002 DIS, 11:15am-12:30pm TTh, FolH 120, instruction mode: Classroom; Topic Title: Arabic Culture; 3 cr
25750 003 DIS, 01:00pm-02:15pm MW, BlegH 110, instruction mode: Classroom; Meets with: 18479 EAS 3468, 18478 HIST 3468; Wang, Liping, 3 cr
34908 004 DIS F, Room TBA, instruction mode: Classroom; Mizuno, Hiromi, 3 cr

5920 Topics in Asian Culture

(max crs 12; 4 repeats allowed)

25012 1001 DIS, 01:00pm-02:15pm MW, NichH 145, 06:00pm-09:00pm T, KoltH 137, instruction mode: Classroom; Topic Title: Remediations in Japan; Posadas, Baryon Tensor, 3 cr; A-F; Representations and Imaginations of "Japan"
25247 002 DIS, 11:15am-02:15pm F, FolH 107, instruction mode: Classroom; Mizuno, Hiromi, 3 cr

8001 Critical Approaches to Asian Literary and Cultural Studies

25011 001 LEC, 02:30pm-05:15pm Th, FolH 6, instruction mode: Classroom; 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, [adviser, DGS] consent)

21186 001 IND, instruction mode: Independent/Directed Studies, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, [adviser, DGS] consent)

21187 001 IND, instruction mode: Independent/Directed Studies, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

21185 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA)

21188 001 IND, instruction mode: Independent/Directed Studies, 1-24 cr

8920 Topics in Asian culture

(max crs 9; 3 repeats allowed; S-N)

32473 001 DIS, 02:30pm-04:25pm W, FolH 6, instruction mode: Classroom; Topic Title: Kant in Asia; Workman, Travis, 1-3 cr

ASTRONOMY (Ast)

356 Tate Laboratory of Physics, 116 Church Street SE, East Bank Campus, Minneapolis, MN, 55455

612/624-4811, <http://www.astro.umn.edu>**1001 Exploring the Universe**

(Credit will not be granted if credit has been received for: AST 1011H, AST 1005; meets CLE req of Environment; meets CLE req of Physical Sciences)

001 LEC, 09:45am-11:00am TTh, AndH 210, instruction mode: Classroom; LECTURE begins Tuesday, September 8th. See separate note for your LAB.; Humphreys, Roberta M

002 LEC, 10:10am-11:00am MWF, WBU AUDITORIUM, instruction mode: Classroom; LECTURE begins Wednesday, September 9th. See separate note for your LAB.; Jones, Terry J

003 LEC, 01:00pm-02:15pm TTh, AndH 210, instruction mode: Classroom; LECTURE begins Tuesday, September 8th. See separate note for your LAB.; Nelson, Thomas John

004 LEC, 07:15pm-08:30pm TTh, WBU AUDITORIUM, instruction mode: Classroom; LECTURE begins Tuesday, September 8th. See separate note for your LAB.; Rudnick, Lawrence

10542 101 LAB, 08:00am-09:55am M, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

14531 102 LAB, 10:10am-12:05pm M, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10543 103 LAB, 12:20pm-02:15pm M, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10544 104 LAB, 02:30pm-04:25pm M, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10545 105 LAB, 04:40pm-06:35pm M, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10546 106 LAB, 09:05am-11:00am T, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10547 107 LAB, 11:15am-01:10pm T, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10548 108 LAB, 01:25pm-03:20pm T, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10549 109 LAB, 04:40pm-06:35pm T, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10550 110 LAB, 10:10am-12:05pm W, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10551 111 LAB, 12:20pm-02:15pm W, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

13887 112 LAB, 02:30pm-04:25pm W, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10552 113 LAB, 09:05am-11:00am Th, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10553 114 LAB, 11:15am-01:10pm Th, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10554 115 LAB, 04:40pm-06:35pm Th, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

10555 116 LAB, 09:05am-11:00am F, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture

section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your 14532 117 LAB, 11:15am-01:10pm F, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your 10556 118 LAB, 01:25pm-03:20pm F, ApH 102, instruction mode: Classroom; Registration in both a lab AND a lecture section is required. LABs begin the 2nd week of the term, the week beginning Sept 14th. See separate note for your

1011H Exploring the Universe, Honors

(Credit will not be granted if credit has been received for: AST 1001, AST 1005; A-F; prereq High school trigonometry, [high school physics or chemistry]; meets CLE req of Environment; meets CLE req of Physical Sciences; meets HON req of Honors)

001 LEC, 02:30pm-03:20pm MTW, ApH 219, instruction mode: Classroom; See separate note for when the LABs begin.; Woodward, Paul R

10566 002 LAB, 02:30pm-04:25pm Th, ApH 102, instruction mode: Classroom; Lab begins the 2nd week of the term, Thursday, September 13th.; Woodward, Paul R, 4 cr

1905 Freshman Seminar

(max crs 6; 3 repeats allowed; OPN; prereq freshman)

21350 001 LEC, 10:10am-12:05pm Th, LindH 216, instruction mode: Classroom; Woodward, Charles E, 2 cr

21351 002 LEC, 01:25pm-03:20pm Th, LindH 216, instruction mode: Classroom; Woodward, Charles E, 2 cr

2001 Introduction to Astrophysics

(prereq [One yr calculus, PHYS 1302] or instr consent)

15178 001 LEC, 02:30pm-04:25pm TTh, WBU AUDITORIUM, instruction mode: Classroom; Gehrz, Robert Douglas, 4 cr

2990 Directed Studies

(max crs 10; prereq 1 yr calculus, Phys 1302, instr consent)

10567 001 IND, instruction mode: Classroom, 1-5 cr

4001 Astrophysics I

(A-F only; prereq 2001, Phys 2601)

16191 001 LEC, 12:20pm-02:15pm TTh, FordH B60, instruction mode: Classroom; Davidson, Kris, 4 cr

4101 Computational Methods in the Physical Sciences

(prereq Upper div or grad student or instr consent)

25354 001 LEC, 08:00am-08:50am MTWTh, PAN 120, instruction mode: Classroom; Meets with: 25722 PHYS 4041; Jones, Thomas Walter; Vinals, Jorge, 4 cr

4299H Senior Honors Astrophysics Research Seminar

(prereq upper div honors student in IT or CLA, instr consent; meets HON req of Honors)

10570 001 LEC, 02:30pm-03:20pm F, STSS 119, instruction mode: Classroom; Meets with: 10571 AST 8200; Humphreys, Roberta M, 1 cr

4990 Directed Studies

(max crs 10; prereq 2001, instr consent)

17605 001 IND, instruction mode: Classroom, 1-5 cr

17152 002 IND, instruction mode: Classroom; Davidson, Kris, 1-5 cr

17153 003 IND, instruction mode: Classroom; Gehrz, Robert Douglas, 1-5 cr

17154 004 IND, instruction mode: Classroom; Humphreys, Roberta M, 1-5 cr

17155 005 IND, instruction mode: Classroom; Jones, Terry J, 1-5 cr

17156 006 IND, instruction mode: Classroom; Jones, Thomas Walter, 1-5 cr

17157 007 IND, instruction mode: Classroom; Rudnick, Lawrence, 1-5 cr

17158 008 IND, instruction mode: Classroom; Scarlata, Claudia Maria, 1-5 cr

17159 009 IND, instruction mode: Classroom; Skillman, Evan D, 1-5 cr

10568 010 IND, instruction mode: Classroom; Williams, Liliya L R, 1-5 cr

17602 011 IND, instruction mode: Classroom; Woodward, Charles E, 1-5 cr

22125 012 IND, instruction mode: Classroom; Woodward, Paul R, 1-5 cr

26419 013 IND, instruction mode: Classroom; Fortson, Lucy Frear, 1-5 cr

4994W Directed Research

(max crs 5; prereq instr consent; meets CLE req of Writing Intensive)

10569 001 IND, instruction mode: Classroom, 3-5 cr

17160 002 IND, instruction mode: Classroom; Davidson, Kris, 3-5 cr

17161 003 IND, instruction mode: Classroom; Gehrz, Robert Douglas, 3-5 cr

17162 004 IND, instruction mode: Classroom; Humphreys,

Roberta M, 3-5 cr

17163 005 IND, instruction mode: Classroom; Jones, Terry J, 3-5 cr

17164 006 IND, instruction mode: Classroom; Jones, Thomas Walter, 3-5 cr

17165 007 IND, instruction mode: Classroom; Rudnick, Lawrence, 3-5 cr

17166 008 IND, instruction mode: Classroom; Scarlata,

Claudia Maria, 3-5 cr

17167 009 IND, instruction mode: Classroom; Skillman, Evan D, 3-5 cr

17603 010 IND, instruction mode: Classroom; Williams, Liliya L R, 3-5 cr

17604 011 IND, instruction mode: Classroom; Woodward,

Charles E, 3-5 cr

22126 012 IND, instruction mode: Classroom; Woodward,

Paul R, 3-5 cr

22883 013 IND, instruction mode: Classroom; Cattell, Cynthia Anne, 3-5 cr

22884 014 IND, instruction mode: Classroom; Cushman,

Priscilla Brooks, 3-5 cr

22885 015 IND, instruction mode: Classroom; Fortson, Lucy Frear, 3-5 cr

22886 016 IND, instruction mode: Classroom; Hanany, Shaul, 3-5 cr

22887 017 IND, instruction mode: Classroom; Lysak, Robert L, 3-5 cr

22888 018 IND, instruction mode: Classroom; Mandic, Vuk, 3-5 cr

22889 019 IND, instruction mode: Classroom; Olive, Keith A, 3-5 cr

22890 020 IND, instruction mode: Classroom; Peloso, Marco, 3-5 cr

22891 021 IND, instruction mode: Classroom; Pryke, Clement Laurence Stephen, 3-5 cr

22892 022 IND, instruction mode: Classroom; Qian,

Yongzhong, 3-5 cr

22893 023 IND, instruction mode: Classroom; Wygant, John R, 3-5 cr

8110 Topics in Astrophysics

(max crs 4; prereq instr consent)

34196 001 LEC, 02:30pm-04:25pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Williams, Liliya L R, 2-4 cr

8200 Astrophysics Seminar

(max crs 3; prereq instr consent)

10571 001 LEC, 02:30pm-03:20pm F, STSS 119, instruction mode: Classroom; Meets with: 10570 AST 4299H; Humphreys, Roberta M, 1-3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13947 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14081 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14199 001 IND, instruction mode: Classroom, 1-6 cr

21205 002 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14288 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13719 001 IND, instruction mode: Classroom, 1-24 cr

8990 Research in Astronomy and Astrophysics

(max crs 4; prereq instr consent)

10572 001 IND, instruction mode: Classroom; Thibault, Terry Lynn; Jones, Terry J, 1-4 cr

BIOCHEMISTRY (BioC)

140 Gortner Lab of Biochemistry, 1479 Gortner Ave, St Paul Campus, St Paul, MN, 55108

612/624-7755, <http://www.cbs.umn.edu/bmbb>**1010 Human Health and Disease**

19767 001 LEC, instruction mode: Classroom, 3 cr

2011 Biochemistry for the Agricultural and Health Sciences

(Credit will not be granted if credit has been received for: BIOC 3021, BIOC 6021; prereq Chem 1015, Bio 1009, credit not granted if received for 3021)

13909 001 LEC, 10:10am-11:00am MWF, JacH 2-137, instruction mode: Classroom; Laporte, David C, 3 cr

3021 Biochemistry

(Credit will not be granted if credit has been received for: BIOC 2011, BIOC 6021; prereq [2331 or CHEM 2301, BIOL 1002 or BIOL 1009 or BIOL 2003] or instr consent)

21484 001 LEC, 09:05am-09:55am MWF, MCB 3-120, instruction mode: Classroom; If permission is needed to register, please contact the instructor.; 17 seats reserved for CBS transfer students; Meets with: 21499 BIOC 6021; Adolph, Kenneth W., 3 cr

21485 1002 LEC, 04:30pm-05:45pm TTh, RuttanH B45, STPAUL, instruction mode: Classroom; If permission is needed to register, please contact the instructor.; 17 seats reserved for CBS transfer students; Meets with: 21500 BIOC 6021; Schottel, Janet L, 3 cr

21486 003 LEC, 01:00pm-02:15pm TTh, MCB 3-120, instruction mode: Classroom; If permission is needed to register, please contact the instructor.; 17 seats reserved for CBS transfer students; Meets with: 21501 BIOC 6021; Roon, Robert J, 3 cr

3321 Biochemistry

(A-F only; prereq BIOL 2311, CHEM 2333 or instr consent)

22669 001 LEC, 02:30pm-03:45pm MW, 318Com 10, ROCHESTER, instruction mode: Classroom; Terrell, Cassidy R., 3 cr

3960 Research Topics in Biochemistry(max crs 2; S-N only; prereq 3021 or Concurrent registration is required (or allowed) in 3021 or 4331
11409 001 LEC, 03:35pm-04:25pm M, AkerH 209, instruction mode: Classroom; 5 seats reserved for CBS transfer students; Laporte, David C, 1 cr**4025 Laboratory in Biochemistry**

(prereq 3021 or 4331 or equiv)

1001 LEC, 04:40pm-05:30pm M, MCB 3-120, instruction mode: Classroom; Students who register for BioC 4025 "Laboratory in Biochemistry" must have previously completed the prerequisite (one semester of biochemistry lecture,

10980 002 LAB, 08:15am-11:55am T, MCB 2-126, instruction mode: Classroom; Students who register for BioC 4025 "Laboratory in Biochemistry" must have previously completed the prerequisite (one semester of biochemistry lecture,

10981 003 LAB, 01:15pm-04:55pm T, MCB 2-126, instruction mode: Classroom; Students who register for BioC 4025 "Laboratory in Biochemistry" must have previously completed the prerequisite (one semester of biochemistry lecture,

10982 004 LAB, 08:15am-11:55am Th, MCB 2-126, instruction mode: Classroom; Students who register for BioC 4025 "Laboratory in Biochemistry" must have previously completed the prerequisite (one semester of biochemistry lecture, either BioC 3021 or BioC 4331). Concurrent registration of BioC 4025 and a prerequisite course is not allowed.; Lange, Alex John, 2 cr

10983 005 LAB, 01:15pm-04:55pm Th, MCB 2-126, instruction mode: Classroom; Students who register for BioC 4025 "Laboratory in Biochemistry" must have previously completed the prerequisite (one semester of biochemistry lecture,

10984 1006 LAB, 05:20pm-09:00pm T, MCB 2-126, instruction mode: Classroom; Students who register for BioC 4025 "Laboratory in Biochemistry" must have previously completed the prerequisite (one semester of biochemistry lecture,

15193 1007 LAB, 05:20pm-09:00pm Th, MCB 2-126, instruction mode: Classroom; Students who register for BioC 4025 "Laboratory in Biochemistry" must have previously completed the prerequisite (one semester of biochemistry lecture,

4125 Laboratory in Molecular Biology and Biotechnology

(Credit will not be granted if credit has been received for: BIOL 4125, BIOL 4185, BIOC 4185; A-F only; prereq [3021 or Biol 3021 or Biol 4003], [4025 or GCD 4015 or GCD 4025 or MicB 3301])

001 LEC, instruction mode: Classroom

21262 002 LAB, 01:10pm-03:50pm MW, MCB 2-126, 01:10pm-03:50pm MW, MCB 2-128, instruction mode: Classroom; Das, Anath, 3 cr

4331 Biochemistry I: Structure, Catalysis, and Metabolism in Biological Systems

(prereq [[BIOL 1002 or BIOL 1009 or BIOL 2003 or equiv], [CHEM 2302 or equiv]] or instr consent)

10978 001 LEC, 10:10am-11:00am MTWTh, MoosT 2-620, instruction mode: Classroom; There are enforced prerequisites for this course; email the instructor if you completed the prerequisites but are unable to enroll.; 17 seats reserved for CBS transfer students; Griffin, Timothy Jon; Chen, Yue; Siliciano, Paul G, 4 cr

4332 Biochemistry II: Molecular Mechanisms of Signal Transduction and Gene Expression

(prereq 4331 or instr consent)

18470 001 LEC, 10:10am-12:05pm TTh, MoosT 2-520, instruction mode: Classroom; Das, Anath; Ervasti PhD, James M., 4 cr

4351 Protein Engineering

(A-F; prereq 4331 or instr consent)

26480 001 LEC, 11:15am-12:30pm MW, MCB 2-120, instruction mode: Classroom; Meets with: 26452 BIOC 5351; Kazlauskas, Romas J, 3 cr

4521 Introduction to Physical Biochemistry

(prereq 4331 recommended, [Chem 1062 and Chem 1066 and Phys 1202] or [Chem 1022 and Phys 1202])

12947 001 LEC, 09:05am-09:55am MWF, MCB 2-120, instruction mode: Classroom; There are enforced prerequisites for this course; email the instructor if you completed the prerequisites but are unable to enroll.; Aihara, Hideki; Mayo, Kevin Henry, 3 cr

4793W Directed Studies: Writing Intensive

(max crs 7; 7 repeats allowed; S-N only; prereq instr consent , dept consent; meets CLE req of Writing Intensive)

14399 001 IND, instruction mode: Classroom; Siliciano, Paul G, 1-7 cr

4794W Directed Research: Writing Intensive

(max crs 42; 7 repeats allowed; S-N only; prereq instr consent , dept consent; meets CLE req of Writing Intensive)

14400 001 IND, instruction mode: Classroom; Siliciano, Paul G, 1-6 cr

4993 Directed Studies

(max crs 7; 7 repeats allowed; S-N only; prereq instr consent , dept consent)

11410 001 IND, instruction mode: Classroom; Siliciano, Paul G, 1-7 cr

4994 Directed Research

(max crs 42; 7 repeats allowed; S-N only; prereq instr consent , dept consent)

13324 001 IND, instruction mode: Classroom; Siliciano, Paul G, 1-6 cr

5213 Selected Topics in Molecular Biology

(A-F; prereq 4332 or 8002 or [3021, BIOL 4003] or instr consent)

34353 001 LEC, instruction mode: Classroom, 3 cr
34354 002 LEC, instruction mode: Classroom, 3 cr
34355 003 LEC, instruction mode: Classroom, 3 cr**5351 Protein Engineering**

(A-F)

26452 001 LEC, 11:15am-12:30pm MW, MCB 2-120, instruction mode: Classroom; Meets with: 26480 BIOC 4351; Kazlauskas, Romas J, 3 cr

5361 Microbial Genomics and Bioinformatics

(prereq College-level courses in [organic chemistry, biochemistry, microbiology])

15179 001 LEC, 10:15am-11:30am TTh, GorL 239, STPAUL, instruction mode: Classroom; Wackett, Lawrence Philip; Khodursky, Arkady B, 3 cr

5527 Introduction to Modern Structural Biology

(prereq [intro biochemistry, intro physics] or physical chemistry or instr consent)

13325 001 LEC, 12:20pm-02:15pm MW, MCB 2-122, instruction mode: Classroom; Veglia, Gianluigi; Matsuo, Hiroshi, 4 cr

6011 Biochemistry for Dental Students

(A-F only; prereq Dental student)

13370 001 LEC, 10:10am-12:05pm TTh, MoosT 2-530, 08/07/15-06/15/16, instruction mode: Classroom; BioC 6011 begins Aug. 26.; Bielinsky, Anja K; Roon, Robert J, 4 cr

6021 Biochemistry

(Credit will not be granted if credit has been received for: BIOC 3021, BIOC 2011; prereq general biology, organic chemistry, instr consent ; intended for MBS students)

21499 001 LEC, 09:05am-09:55am MWF, MCB 3-120, instruction mode: Classroom; If permission is needed to register, please contact the instructor.; Meets with: 21484 BIOC 3021; Adolph, Kenneth W., 3 cr

21500 1002 LEC, 04:30pm-05:45pm TTh, RuttanH B45, STPAUL, instruction mode: Classroom; If permission is needed to register, please contact the instructor.; Meets with: 21485 BIOC 3021; Schottel, Janet L, 3 cr
21501 003 LEC, 01:00pm-02:15pm TTh, MCB 3-120, instruction mode: Classroom; If permission is needed to register, please contact the instructor.; Meets with: 21486 BIOC 3021; Roon, Robert J, 3 cr**8001 Biochemistry: Structure, Catalysis, and Metabolism**

(prereq BMBB or MCDB&G grad student or instr consent)

17332 001 LEC, 10:10am-11:00am MWF, MCB 2-120, instruction mode: Classroom; Ohlendorf, Douglas Henry; Bernlohr, David Allen, 3 cr

8002 Molecular Biology and Regulation of Biological Processes

(A-F; prereq [BMBB or MCDBG] grad student or instr consent)

15046 001 LEC, 08:15am-09:30am MW, STSS 420B, instruction mode: Classroom; Somia, Nikunj V; Yong, Jeongsik, 3 cr

8084 Research and Literature Reports

(max crs 5; 5 repeats allowed; S-N only; prereq Grad BMBB major or instr consent)

13323 001 LEC, 12:20pm-01:10pm T, JacH 2-137, 08/07/15-06/15/16, instruction mode: Classroom; Armitage, Ian MacLeod, 1 cr

8184 Graduate Seminar

(max crs 5; 5 repeats allowed; S-N only; prereq grad BMBB major or DGS consent)

11425 001 LEC, 04:00pm-05:00pm W, JacH 2-137, instruction mode: Classroom; Thomas, David D; Lipscomb, John D, 1 cr

8290 Current Research Techniques

(max crs 9; 3 repeats allowed; S-N only; prereq Grad BMBB major)

16145 001 IND, instruction mode: Classroom, 1-3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13890 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14083 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14201 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14289 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13721 001 IND, instruction mode: Classroom, 1-24 cr

BIOETHICS, CENTER FOR (BTHX)

N-504 Boynton Health Service, 410 Church Street SE, East Bank Campus, Minneapolis, MN, 55455

612/624-9440, <http://www.bioethics.umn.edu>

5010 Bioethics Proseminar

(A-F; prereq Bioethics grad student or grad minor)
34475 001 LEC, 02:00pm-03:30pm T, . ROOM-TBA,
instruction mode: Classroom; Contact Margie O'Neill at
bthxed@umn.edu for permissions.; Song, John Young, 2 cr

5100 Introduction to Clinical Ethics

(prereq Jr or sr or grad student or instr consent)
25556 001 LEC, 04:00pm-06:30pm W, Room TBA,
TCEASTBANK, instruction mode: Classroom; Contact
Margie O'Neill at bthxed@umn.edu for permission number.;
Miles MD, Steven Haverstock, 3 cr

5120 Dying in Contemporary Medical Culture

34289 001 DIS, 04:00pm-06:30pm M, Room TBA,
TCEASTBANK, instruction mode: Classroom; Open to
jr, sr, grad or professional. Contact Margie O'Neill at
bthxed@umn.edu for permissions; Meets with: 34422
BTHX 8120; Liaschenko, Joan, 2 cr

5210 Ethics of Human Subjects Research

(prereq Grad student or instr consent)
22628 001 LEC, 03:30pm-06:00pm, instruction mode:
Classroom; Contact Margie O'Neill at bthxed@umn.edu for
permissions.; Turner, Leigh, 3 cr

5300 Foundations of Bioethics

(prereq Grad student or instr consent)
19676 001 LEC, 09:30am-12:00pm W, BoynHS N539,
instruction mode: Classroom; Contact Margie O'Neill
at bthxed@umn.edu for permissions; Elliott Jr, Bruce
Carleton, 3 cr

5900 Independent Study in Bioethics

(max crs 8; prereq instr consent)
18505 002 IND, instruction mode: Independent/Directed
Studies; Elliott Jr, Bruce Carleton, 1-4 cr
19880 003 IND, instruction mode: Independent/Directed
Studies; Liaschenko, Joan, 1-4 cr
18517 004 IND, instruction mode: Independent/Directed
Studies; Miles MD, Steven Haverstock, 1-4 cr
19819 005 IND, instruction mode: Independent/Directed
Studies; Song, John Young, 1-4 cr
18518 006 IND, instruction mode: Independent/Directed
Studies; Turner, Leigh, 1-4 cr
18506 008 IND, instruction mode: Independent/Directed
Studies; Wolf, Susan M, 1-4 cr

8000 Advanced Topics in Bioethics

(max crs 8; prereq Grad student)
26188 002 LEC, 04:05pm-07:00pm T, MondaleH 65,
instruction mode: Classroom; Contact Margie O'Neill at
bthxed@umn.edu for permissions.; Meets with: 19388
LAW 6037, 34635 PA 5731; Fatehi, Leili, 1-4 cr

8120 Dying in Contemporary Medical Culture

34422 001 DIS, 04:00pm-06:30pm M, Room TBA,
TCEASTBANK, instruction mode: Classroom; Grad or
Professional. Contact Margie O'Neill at bthxed@umn.edu
for permissions.; Meets with: 34289 BTHX 5120;
Liaschenko, Joan, 2 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser consent, DGS
consent)
20861 001 IND, instruction mode: Classroom, 1 cr

8500 Practicum in Bioethics

(max crs 16; 4 repeats allowed; OPN; prereq Bioethics
grad [major or minor] or instr consent)
20256 002 FWK, instruction mode: Independent/Directed
Studies; Elliott Jr, Bruce Carleton, 1-4 cr
20257 003 FWK, instruction mode: Independent/Directed
Studies; Liaschenko, Joan, 1-4 cr
20258 004 FWK, instruction mode: Independent/Directed
Studies; Miles MD, Steven Haverstock, 1-4 cr
20259 005 FWK, instruction mode: Independent/Directed
Studies; Song, John Young, 1-4 cr
20260 006 FWK, instruction mode: Independent/Directed
Studies; Turner, Leigh, 1-4 cr
20262 008 FWK, instruction mode: Independent/Directed
Studies; Wolf, Susan M, 1-4 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA)
20823 001 IND, instruction mode: Classroom, 1-18 cr

8900 Advanced Independent Study in Bioethics

(max crs 8; prereq instr consent)
18508 002 IND, instruction mode: Independent/Directed
Studies; Elliott Jr, Bruce Carleton, 1-4 cr
19883 003 IND, instruction mode: Independent/Directed
Studies; Liaschenko, Joan, 1-4 cr

18509 004 IND, instruction mode: Independent/Directed
Studies; Miles MD, Steven Haverstock, 1-4 cr
19884 005 IND, instruction mode: Independent/Directed
Studies; Song, John Young, 1-4 cr
18510 006 IND, instruction mode: Independent/Directed
Studies; Turner, Leigh, 1-4 cr
18512 008 IND, instruction mode: Independent/Directed
Studies; Wolf, Susan M, 1-4 cr

BIOLOGY (Biol)

123 Snyder Hall, 1475 Gortner Ave, St Paul
Campus, St Paul, MN, 55108

612/624-2244, <http://www.cbs.umn.edu/bioproq/>

1001 Introductory Biology: Evolutionary and Ecological Perspectives

(Credit will not be granted if credit has been received
for: BIOL 1001H, BIOL 1003; meets CLE req of
Biological Sciences)

001 LEC, 02:30pm-03:45pm TTh, WilleyH 175, instruction
mode: Classroom; ; Packer, Craig
11509 002 LAB, 10:10am-12:05pm M, MCB 2-140, instruction
mode: Classroom; , 4 cr
11510 003 LAB, 12:20pm-02:15pm M, MCB 2-140, instruction
mode: Classroom; , 4 cr
11511 004 LAB, 02:30pm-04:25pm M, MCB 2-140, instruction
mode: Classroom; , 4 cr
11512 1005 LAB, 04:40pm-06:35pm M, MCB 2-140,
instruction mode: Classroom; , 4 cr
11513 006 LAB, 08:00am-09:55am T, MCB 2-140, instruction
mode: Classroom; , 4 cr
11514 007 LAB, 10:10am-12:05pm T, MCB 2-140, instruction
mode: Classroom; , 4 cr
11515 1008 LAB, 04:40pm-06:35pm T, MCB 2-140, instruction
mode: Classroom; , 4 cr
11516 009 LAB, 08:00am-09:55am W, MCB 2-140, instruction
mode: Classroom; , 4 cr
15106 010 LAB, 10:10am-12:05pm W, MCB 2-140, instruction
mode: Classroom; , 4 cr
15107 011 LAB, 12:20pm-02:15pm W, MCB 2-140, instruction
mode: Classroom; , 4 cr
15108 012 LAB, 02:30pm-04:25pm W, MCB 2-140, instruction
mode: Classroom; , 4 cr
15109 1013 LAB, 04:40pm-06:35pm W, MCB 2-140,
instruction mode: Classroom; , 4 cr

1001H Introductory Biology I: Evolutionary and Ecological Perspectives

(Credit will not be granted if credit has been received
for: BIOL 1001, BIOL 1003; A-F; prereq Honors; meets
CLE req of Biological Sciences; meets HON req of
Honors)

001 LEC, 08:15am-09:30am TTh, STSS 131B, instruction
mode: Classroom; ; Packer, Craig
23815 081 LAB, 12:20pm-02:15pm Th, MCB 2-140,
instruction mode: Classroom; , 4 cr
23816 082 LAB, 02:30pm-04:25pm Th, MCB 2-140,
instruction mode: Classroom; , 4 cr

1003 Evolution and Biology of Sex

(Credit will not be granted if credit has been received
for: BIOL 1001, BIOL 1001H; meets CLE req of
Biological Sciences)

001 LEC, 09:45am-11:00am MW, STSS 312, instruction
mode: Classroom; Cotner, Sehoya H
19856 002 LAB, 10:10am-12:05pm T, MCB 2-136, instruction
mode: Classroom; , 4 cr
19857 003 LAB, 12:20pm-02:15pm T, MCB 2-136, instruction
mode: Classroom; , 4 cr
19858 004 LAB, 12:20pm-02:15pm W, MCB 2-136, instruction
mode: Classroom; , 4 cr
19859 005 LAB, 10:10am-12:05pm Th, MCB 2-136,
instruction mode: Classroom; , 4 cr
19860 006 LAB, 12:20pm-02:15pm Th, MCB 2-136,
instruction mode: Classroom; , 4 cr
020 LEC, 11:15am-12:30pm MW, STSS 312, instruction
mode: Classroom; Decker, Mark David
21397 021 LAB, 08:00am-09:55am T, MCB 2-136, instruction
mode: Classroom; , 4 cr
21398 022 LAB, 02:30pm-04:25pm T, MCB 2-136, instruction
mode: Classroom; , 4 cr
21399 1023 LAB, 04:40pm-06:35pm T, MCB 2-136, instruction
mode: Classroom; , 4 cr
21400 024 LAB, 02:30pm-04:25pm W, MCB 2-136, instruction
mode: Classroom; , 4 cr
21401 1025 LAB, 04:40pm-06:35pm W, MCB 2-136,
instruction mode: Classroom; , 4 cr
030 LEC, 09:45am-11:00am TTh, FraserH 102, instruction
mode: Classroom; Wassenberg, Deena Marie
25288 031 LAB, 12:20pm-02:15pm T, MCB 2-138, instruction
mode: Classroom; , 4 cr

25289 1032 LAB, 04:40pm-06:35pm T, MCB 2-138, instruction
mode: Classroom; , 4 cr
25292 033 LAB, 10:10am-12:05pm W, MCB 2-136, instruction
mode: Classroom; , 4 cr
25293 034 LAB, 12:20pm-02:15pm W, MCB 2-138, instruction
mode: Classroom; , 4 cr
25294 035 LAB, 02:30pm-04:25pm W, MCB 2-138, instruction
mode: Classroom; , 4 cr
25295 1036 LAB, 04:40pm-06:35pm W, MCB 2-138,
instruction mode: Classroom; , 4 cr
25296 037 LAB, 12:20pm-02:15pm Th, MCB 2-138,
instruction mode: Classroom; , 4 cr
25297 038 LAB, 02:30pm-04:25pm Th, MCB 2-136,
instruction mode: Classroom; , 4 cr

1009 General Biology

(Credit will not be granted if credit has been received
for: BIOL 1009H; prereq high school chemistry; 1 term
college chemistry recommended; meets CLE req of
Biological Sciences)

001 LEC, 08:15am-09:30am TTh, MCB 3-120, instruction
mode: Classroom; Scott, Cheryl L; Dean, Antony Michael
11484 002 LAB, 10:10am-12:05pm T, MCB 2-137, instruction
mode: Classroom; , 4 cr
11485 003 LAB, 12:20pm-02:15pm T, MCB 2-137, instruction
mode: Classroom; , 4 cr
11486 004 LAB, 12:20pm-02:15pm T, MCB 2-139, instruction
mode: Classroom; , 4 cr
11487 005 LAB, 02:30pm-04:25pm T, MCB 2-137, instruction
mode: Classroom; , 4 cr
11488 006 LAB, 08:00am-09:55am W, MCB 2-137, instruction
mode: Classroom; , 4 cr
11489 007 LAB, 10:10am-12:05pm W, MCB 2-137, instruction
mode: Classroom; , 4 cr
11490 008 LAB, 12:20pm-02:15pm W, MCB 2-137, instruction
mode: Classroom; , 4 cr
11491 009 LAB, 02:30pm-04:25pm W, MCB 2-137, instruction
mode: Classroom; , 4 cr
11492 010 LAB, 10:10am-12:05pm Th, MCB 2-137,
instruction mode: Classroom; , 4 cr
030 LEC, 09:45am-11:00am TTh, MCB 3-120, instruction
mode: Classroom; Scott, Cheryl L; Dean, Antony Michael
20696 031 LAB, 12:20pm-02:15pm T, MCB 2-141, instruction
mode: Classroom; , 4 cr
20697 032 LAB, 02:30pm-04:25pm T, MCB 2-139, instruction
mode: Classroom; , 4 cr
20698 1033 LAB, 04:40pm-06:35pm T, MCB 2-137, instruction
mode: Classroom; , 4 cr
20699 034 LAB, 08:00am-09:55am W, MCB 2-139, instruction
mode: Classroom; , 4 cr
20700 035 LAB, 10:10am-12:05pm W, MCB 2-139, instruction
mode: Classroom; , 4 cr
20701 036 LAB, 12:20pm-02:15pm Th, MCB 2-137,
instruction mode: Classroom; , 4 cr
20702 037 LAB, 12:20pm-02:15pm Th, MCB 2-139,
instruction mode: Classroom; , 4 cr
21394 038 LAB, 02:30pm-04:25pm Th, MCB 2-137,
instruction mode: Classroom; , 4 cr
21395 1039 LAB, 04:40pm-06:35pm Th, MCB 2-137,
instruction mode: Classroom; , 4 cr
050 LEC, 01:00pm-02:15pm TTh, SmithH 100, instruction
mode: Classroom; Decker, Mark David
11494 051 LAB, 08:00am-09:55am T, MCB 2-137, instruction
mode: Classroom; , 4 cr
11495 052 LAB, 10:10am-12:05pm T, MCB 2-139, instruction
mode: Classroom; , 4 cr
11496 053 LAB, 10:10am-12:05pm T, MCB 2-141, instruction
mode: Classroom; , 4 cr
11497 1054 LAB, 04:40pm-06:35pm T, MCB 2-139, instruction
mode: Classroom; , 4 cr
11498 1055 LAB, 04:40pm-06:35pm T, MCB 2-141, instruction
mode: Classroom; , 4 cr
11499 056 LAB, 08:00am-09:55am W, MCB 2-141, instruction
mode: Classroom; , 4 cr
11500 057 LAB, 10:10am-12:05pm W, MCB 2-141, instruction
mode: Classroom; , 4 cr
11501 058 LAB, 12:20pm-02:15pm W, MCB 2-139, instruction
mode: Classroom; , 4 cr
11502 059 LAB, 12:20pm-02:15pm W, MCB 2-141, instruction
mode: Classroom; , 4 cr
11503 060 LAB, 02:30pm-04:25pm W, MCB 2-139, instruction
mode: Classroom; , 4 cr
18441 061 LAB, 02:30pm-04:25pm W, MCB 2-141, instruction
mode: Classroom; , 4 cr
25464 062 LAB, 10:10am-12:05pm Th, MCB 2-139,
instruction mode: Classroom; , 4 cr
25465 1063 LAB, 04:40pm-06:35pm Th, MCB 2-139,
instruction mode: Classroom; , 4 cr

1010 Human Biology: Concepts and Current Ethical Issues

(meets CLE req of Biological Sciences; meets CLE req
of Civic Life and Ethics)

001 LEC, 01:25pm-02:15pm MWF, STSS 312, instruction
mode: Classroom; Animal dissections are required.; Price,
Michele Boeing

20613 002 LAB, 08:00am-09:55am T, MCB 2-142, instruction mode: Classroom; , 4 cr
 20614 003 LAB, 10:10am-12:05pm T, MCB 2-142, instruction mode: Classroom; , 4 cr
 20615 004 LAB, 12:20pm-02:15pm T, MCB 2-142, instruction mode: Classroom; , 4 cr
 20616 005 LAB, 02:30pm-04:25pm T, MCB 2-142, instruction mode: Classroom; , 4 cr
 20617 006 LAB, 04:40pm-06:35pm T, MCB 2-142, instruction mode: Classroom; , 4 cr
 23868 007 LAB, 10:10am-12:05pm W, MCB 2-142, instruction mode: Classroom; , 4 cr
 020 LEC, 02:30pm-03:20pm MWF, STSS 312, instruction mode: Classroom; Animal dissections are required.; Price, Michele Boeing
 21403 021 LAB, 12:20pm-02:15pm W, MCB 2-142, instruction mode: Classroom; , 4 cr
 21406 022 LAB, 04:40pm-06:35pm W, MCB 2-142, instruction mode: Classroom; , 4 cr
 21407 023 LAB, 10:10am-12:05pm Th, MCB 2-142, instruction mode: Classroom; , 4 cr
 21408 024 LAB, 12:20pm-02:15pm Th, MCB 2-142, instruction mode: Classroom; , 4 cr
 21409 025 LAB, 02:30pm-04:25pm Th, MCB 2-142, instruction mode: Classroom; , 4 cr
 23869 026 LAB, 04:40pm-06:35pm Th, MCB 2-142, instruction mode: Classroom; , 4 cr

1020 Biology Colloquium

(max crs 2; S-N only)

10655 001 LEC, 02:30pm-04:25pm M, MCB 2-120, instruction mode: Classroom; Sillfow, Carolyn D., 1 cr
 10656 002 LEC, 03:35pm-05:30pm T, MCB 2-122, instruction mode: Classroom; Sillfow, Carolyn D., 1 cr

1050 Environmental Biology: Science and Solutions

(meets CLE req of Environment)

20424 001 LEC, 01:00pm-02:15pm TTh, STSS 312, instruction mode: Classroom; Meets with: 24241 BIOL 1055; Wassenberg, Deena Marie, 3 cr

1055 Environmental Biology: Science and Solutions with Laboratory

(meets CLE req of Biological Sciences; meets CLE req of Environment)

001 LEC, 01:00pm-02:15pm TTh, STSS 312, instruction mode: Classroom; Meets with: 20424 BIOL 1050; Wassenberg, Deena Marie
 24242 002 LAB, 02:30pm-04:25pm Th, MCB 2-141, instruction mode: Classroom; , 4 cr
 25301 003 LAB, 08:00am-09:55am F, MCB 2-141, instruction mode: Classroom; , 4 cr
 25302 004 LAB, 10:10am-12:05pm F, MCB 2-141, instruction mode: Classroom; , 4 cr

1093 Biology Colloquium: Directed Study

(S-N only; prereq 1020 and Concurrent registration is required (or allowed) in 1020)

11852 001 IND, instruction mode: Classroom; Sillfow, Carolyn D., 1 cr

1301 Becoming a Reflective Leader

(S-N; prereq Dean's Scholar)

18762 001 DIS, 03:35pm-04:25pm T, MCB 2-120, instruction mode: Classroom; , 1 cr
 19281 002 DIS, 09:05am-09:55am Th, MCB 2-120, instruction mode: Classroom; , 1 cr
 19282 003 DIS, 02:30pm-03:20pm F, MCB 2-120, instruction mode: Classroom; , 1 cr

1805 Nature of Life: Introducing New

Students to the Biological Sciences

(S-N; prereq Fr in College of Biological Sciences)

15796 001 LEC, 12:20pm-01:10pm F, STSS 114, 12:20pm-01:10pm F, STSS 412, 12:20pm-01:10pm F, STSS 330, 12:20pm-01:10pm F, STSS 312, 12:20pm-01:10pm F, RapsonH 56, 12:20pm-01:10pm F, RapsonH 45, 12:20pm-01:10pm F, RapsonH 31, instruction mode: Classroom; meets ITAS req of Itasca; Wright, Robin; Conover, Abby Christine, 0.50 cr

1905 Freshman Seminar for the Biological Sciences

(max crs 6; A-F; prereq freshman)

14374 001 LEC, 02:30pm-04:25pm W, SmithH 111, instruction mode: Classroom; Lange, Alex John; Roon, Robert J, 1-3 cr
 15655 003 LEC, 03:35pm-04:50pm M, STSS 420A, instruction mode: Classroom; 10 seats reserved for CBS students; Wick, Susan M, 1-3 cr
 15656 004 LEC, 11:15am-12:05pm W, STSS 432B, instruction mode: Classroom; Pompei, Vanessa, 1-3 cr
 15678 005 LEC, 01:25pm-02:15pm T, VinH 211, instruction mode: Classroom; Campbell, Colin R, 1-3 cr

15676 006 LEC, 02:30pm-03:45pm T, SmithH 121, instruction mode: Classroom; Hackett Jr, Perry B, 1-3 cr
 22306 007 LEC, 04:05pm-04:55pm Th, STSS 420A, instruction mode: Classroom; Haas, Kelaïne Crawford, 1-3 cr
 15677 008 LEC, 03:00pm-05:30pm M, BioSci 12, STPAUL, instruction mode: Classroom; Marks, M David, 1-3 cr
 20789 009 LEC, 12:50pm-01:40pm Th, RuttanH B30, STPAUL, instruction mode: Classroom; Travisano, Michael, 1-3 cr
 22316 010 LEC, 04:05pm-05:45pm M, MCB 2-122, STPAUL, instruction mode: Classroom; 20 seats reserved for CBS students; Swanson, Eli Matthew, 1-3 cr
 22777 011 LEC, 11:15am-12:05pm F, STSS 432A, instruction mode: Classroom; Kawakami, Yasuhiko, 1-3 cr
 23905 012 LEC, 01:25pm-02:15pm Th, STSS 420A, instruction mode: Classroom; 12 seats reserved for CBS students; Mosser, Anna, 1-3 cr

2001 Career Planning for Biologists

(S-N only)

18675 001 DIS, instruction mode: Correspondence; 28 seats reserved for CBS Deans' Scholar - CBSD; Mraz, Anna Catherine, 1 cr
 18676 002 DIS, instruction mode: Correspondence; 25 seats reserved for CBS transfer students; Underwood, Jean M, 1 cr
 18677 003 DIS, instruction mode: Correspondence; 4 seats reserved for CBS Deans' Scholar - CBSD; 17 seats reserved for CBS transfer students; Fraasch, Nancy S, 1 cr
 18678 004 DIS, instruction mode: Correspondence; 25 seats reserved for CBS transfer students; Bolte, Mia M, 1 cr
 21458 005 DIS, instruction mode: Correspondence; 25 seats reserved for CBS transfer students; LeFay MS, Lisa, 1 cr

2002 Foundations of Biology for Biological Sciences Majors, Part I

(Credit will not be granted if credit has been received for: BIOL 2002H; A-F; prereq [(CHEM 1021 or 1061 or equiv), CBS major] or dept consent ; calculus I or equiv recommended; meets CLE req of Biological Sciences)

001 LEC, 08:00am-08:50am MWF, STSS 114, instruction mode: Classroom; The process for non-CBS student enrollment is online at <http://www.cbs.umn.edu/students/courses-foundations>; Meets with: 18603 BIOL 2002H; Wick, Susan M; Matthes, David J
 002 DIS, 09:05am-09:55am MWF, STSS 114, instruction mode: Classroom; Meets with: 18604 BIOL 2002H; Wick, Susan M; Matthes, David J
 18356 003 LAB, 12:50pm-03:50pm MW, BioSci 259, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 18605 BIOL 2002H; , 6 cr
 18357 004 LAB, 12:50pm-03:50pm MW, BioSci 286, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 18606 BIOL 2002H; , 6 cr
 18358 005 LAB, 05:10pm-08:10pm MW, BioSci 259, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 18607 BIOL 2002H; , 6 cr
 18359 006 LAB, 08:30am-11:30am TTh, BioSci 286, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 18608 BIOL 2002H; , 6 cr
 19196 007 LAB, 09:35am-12:35pm TTh, BioSci 259, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 19217 BIOL 2002H; , 6 cr
 19197 008 LAB, 12:50pm-03:50pm TTh, BioSci 282, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 19218 BIOL 2002H; , 6 cr
 20611 009 LAB, 01:55pm-04:55pm TTh, BioSci 259, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 20610 BIOL 2002H; , 6 cr
 20988 1010 LAB, 05:10pm-08:10pm TTh, BioSci 282, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 20993 BIOL 2002H; , 6 cr
 20989 1011 LAB, 06:00pm-09:00pm TTh, BioSci 259, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 20994 BIOL 2002H; , 6 cr
 020 LEC, 10:10am-11:00am MWF, STSS 114, instruction mode: Classroom; The process for non-CBS student enrollment is online at <http://www.cbs.umn.edu/students/courses-foundations>; Meets with: 18925 BIOL 2002H; Tiffin, Peter L; Gibbens PhD, Brian
 021 DIS, 11:15am-12:05pm MWF, STSS 114, instruction mode: Classroom; Meets with: 18926 BIOL 2002H; Tiffin, Peter L; Gibbens PhD, Brian
 18922 022 LAB, 12:50pm-03:50pm MW, BioSci 282, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 18927 BIOL 2002H; , 6 cr
 18923 023 LAB, 05:10pm-08:10pm MW, BioSci 282, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 18928 BIOL 2002H; , 6 cr
 18924 024 LAB, 05:10pm-08:10pm MW, BioSci 286, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 18929 BIOL 2002H; , 6 cr
 22920 025 LAB, 08:30am-11:30am TTh, BioSci 282, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 22919 BIOL 2002H; , 6 cr

23637 026 LAB, 09:35am-12:35pm TTh, BioSci 198, STPAUL, instruction mode: Classroom; 16 seats reserved for CBS students; Meets with: 23872 BIOL 2002H; , 6 cr
 23638 027 LAB, 12:50pm-03:50pm TTh, BioSci 286, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 23873 BIOL 2002H; , 6 cr
 20990 028 LAB, 01:55pm-04:55pm TTh, BioSci 198, STPAUL, instruction mode: Classroom; 16 seats reserved for CBS students; Meets with: 20995 BIOL 2002H; , 6 cr
 20991 029 LAB, 05:10pm-08:10pm TTh, BioSci 286, STPAUL, instruction mode: Classroom; 17 seats reserved for CBS students; Meets with: 20996 BIOL 2002H; , 6 cr
 20992 030 LAB, 06:00pm-09:00pm TTh, BioSci 198, STPAUL, instruction mode: Classroom; 16 seats reserved for CBS students; Meets with: 20997 BIOL 2002H; , 6 cr

2002H Foundations of Biology for Biological Sciences Majors, Part I

(Credit will not be granted if credit has been received for: BIOL 2002; A-F; prereq [(CHEM 1021 or 1061 or equiv), CBS major, honors student] or dept consent ; calculus I or equiv recommended; meets CLE req of Biological Sciences; meets HON req of Honors)

001 LEC, 08:00am-08:50am MWF, STSS 114, instruction mode: Classroom; Meets with: 18354 BIOL 2002; Wick, Susan M; Matthes, David J
 002 DIS, 09:05am-09:55am MWF, STSS 114, instruction mode: Classroom; Meets with: 18355 BIOL 2002; Wick, Susan M; Matthes, David J
 18605 003 LAB, 12:50pm-03:50pm MW, BioSci 259, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 18356 BIOL 2002; , 6 cr
 18606 004 LAB, 12:50pm-03:50pm MW, BioSci 286, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 18357 BIOL 2002; , 6 cr
 18607 005 LAB, 05:10pm-08:10pm MW, BioSci 259, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 18358 BIOL 2002; , 6 cr
 18608 006 LAB, 08:30am-11:30am TTh, BioSci 286, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 18359 BIOL 2002; , 6 cr
 19217 007 LAB, 09:35am-12:35pm TTh, BioSci 259, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 19196 BIOL 2002; , 6 cr
 19218 008 LAB, 12:50pm-03:50pm TTh, BioSci 282, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 19197 BIOL 2002; , 6 cr
 20610 009 LAB, 01:55pm-04:55pm TTh, BioSci 259, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 20611 BIOL 2002; , 6 cr
 20993 1010 LAB, 05:10pm-08:10pm TTh, BioSci 282, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 20988 BIOL 2002; , 6 cr
 20994 1011 LAB, 06:00pm-09:00pm TTh, BioSci 259, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 20989 BIOL 2002; , 6 cr
 020 LEC, 10:10am-11:00am MWF, STSS 114, instruction mode: Classroom; Meets with: 18920 BIOL 2002; Tiffin, Peter L; Gibbens PhD, Brian
 021 DIS, 11:15am-12:05pm MWF, STSS 114, instruction mode: Classroom; Meets with: 18921 BIOL 2002; Tiffin, Peter L; Gibbens PhD, Brian
 18927 022 LAB, 12:50pm-03:50pm MW, BioSci 282, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 18922 BIOL 2002; , 6 cr
 18928 023 LAB, 05:10pm-08:10pm MW, BioSci 282, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 18923 BIOL 2002; , 6 cr
 18929 024 LAB, 05:10pm-08:10pm MW, BioSci 286, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 18924 BIOL 2002; , 6 cr
 22919 025 LAB, 08:30am-11:30am TTh, BioSci 282, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 22920 BIOL 2002; , 6 cr
 23872 026 LAB, 09:35am-12:35pm TTh, BioSci 198, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 23637 BIOL 2002; , 6 cr
 23873 027 LAB, 12:50pm-03:50pm TTh, BioSci 286, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 23638 BIOL 2002; , 6 cr
 20995 028 LAB, 01:55pm-04:55pm TTh, BioSci 198, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 20990 BIOL 2002; , 6 cr
 20996 029 LAB, 05:10pm-08:10pm TTh, BioSci 286, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 20991 BIOL 2002; , 6 cr
 20997 030 LAB, 06:00pm-09:00pm TTh, BioSci 198, STPAUL, instruction mode: Classroom; 2 seats reserved for CBS students; Meets with: 20992 BIOL 2002; , 6 cr

2003 Foundations of Biology for Biological Sciences Majors, Part II

(Credit will not be granted if credit has been received for: BIOL 2003H; A-F; prereq 2002 or 2002H or CBS major)

001 LEC, 08:00am-08:50am TTh, STSS 312, instruction mode: Classroom; Meets with: 18936 BIOL 2003H; Seabloom, Eric; Resnick, Tamar D
 18935 002 DIS, 09:05am-09:55am TTh, STSS 312, instruction mode: Classroom; 85 seats reserved for non-PSEO students; Meets with: 18937 BIOL 2003H; Seabloom, Eric; Resnick, Tamar D, 3 cr
 003 LEC, 10:10am-11:00am TTh, STSS 312, instruction mode: Classroom; Meets with: 19223 BIOL 2003H; Resnick, Tamar D; Kennedy, Peter Gault
 19221 004 DIS, 11:15am-12:05pm TTh, STSS 312, instruction mode: Classroom; 91 seats reserved for non-PSEO students; Meets with: 19224 BIOL 2003H; Kennedy, Peter Gault; Resnick, Tamar D, 3 cr
 005 LEC, 08:00am-08:50am MW, STSS 330, instruction mode: Classroom; Meets with: 25305 BIOL 2003H; Gibbens PhD, Brian; Mosser, Anna
 25304 006 DIS, 09:05am-09:55am MW, STSS 330, instruction mode: Classroom; 95 seats reserved for non-PSEO students; Meets with: 25306 BIOL 2003H; Gibbens PhD, Brian; Mosser, Anna, 3 cr

2003H Foundations of Biology for

Biological Sciences Majors, Part II

(Credit will not be granted if credit has been received for: BIOL 2003; A-F; prereq [2002 or 2002H], honors; meets HON req of Honors)

001 LEC, 08:00am-08:50am TTh, STSS 312, instruction mode: Classroom; Meets with: 18934 BIOL 2003; Seabloom, Eric; Resnick, Tamar D
 18937 002 DIS, 09:05am-09:55am TTh, STSS 312, instruction mode: Classroom; 25 seats reserved for non-PSEO students; Meets with: 18935 BIOL 2003; Seabloom, Eric; Resnick, Tamar D, 3 cr
 003 LEC, 10:10am-11:00am TTh, STSS 312, instruction mode: Classroom; Meets with: 19220 BIOL 2003; Resnick, Tamar D; Kennedy, Peter Gault
 19224 004 DIS, 11:15am-12:05pm TTh, STSS 312, instruction mode: Classroom; 28 seats reserved for non-PSEO students; Meets with: 19221 BIOL 2003; Kennedy, Peter Gault; Resnick, Tamar D, 3 cr
 005 LEC, 08:00am-08:50am MW, STSS 330, instruction mode: Classroom; Meets with: 25303 BIOL 2003; Gibbens PhD, Brian; Mosser, Anna
 25306 006 DIS, 09:05am-09:55am MW, STSS 330, instruction mode: Classroom; 20 seats reserved for non-PSEO students; Meets with: 25304 BIOL 2003; Gibbens PhD, Brian; Mosser, Anna, 3 cr

2005 Animal Diversity Laboratory

(Credit will not be granted if credit has been received for: BIOL 2012, BIOL 2007)

12902 001 LAB, 09:35am-12:35pm T, BioSci 107, STPAUL, instruction mode: Classroom; , 2 cr
 12903 002 LAB, 01:55pm-04:55pm T, BioSci 107, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 2 cr
 12904 003 LAB, 06:50pm-09:50pm T, BioSci 107, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 2 cr
 12905 004 LAB, 10:40am-01:40pm W, BioSci 107, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 2 cr
 12906 005 LAB, 01:55pm-04:55pm W, BioSci 107, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 2 cr
 12907 006 LAB, 05:10pm-08:10pm W, BioSci 107, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 2 cr
 12908 007 LAB, 09:35am-12:35pm Th, BioSci 107, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 2 cr
 12909 008 LAB, 01:55pm-04:55pm Th, BioSci 107, STPAUL, instruction mode: Classroom; , 2 cr
 12910 009 LAB, 06:50pm-09:50pm Th, BioSci 107, STPAUL, instruction mode: Classroom; , 2 cr
 12911 010 LAB, 10:40am-01:40pm F, BioSci 182, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 2 cr

2007 Marine Animal Diversity Laboratory

(Credit will not be granted if credit has been received for: BIOL 2012, BIOL 2005; A-F; prereq Introductory biology with lab)

25956 001 LAB, 12:50pm-03:50pm Th, BioSci 182, STPAUL, instruction mode: Classroom; , 2 cr

2012 General Zoology

(Credit will not be granted if credit has been received for: BIOL 2005, BIOL 2007; prereq One semester of college biology)

001 LEC, 09:35am-10:25am MWF, BioSci 64, STPAUL, instruction mode: Classroom; Barker, Fredrick K
 12802 002 LAB, 08:30am-11:30am T, BioSci 182, STPAUL, instruction mode: Classroom; , 4 cr

12803 003 LAB, 12:50pm-03:50pm T, BioSci 182, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 4 cr
 12804 004 LAB, 12:50pm-03:50pm W, BioSci 182, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 4 cr
 12805 005 LAB, 08:30am-11:30am Th, BioSci 182, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 4 cr
 12806 006 LAB, 12:50pm-03:50pm Th, BioSci 182, STPAUL, instruction mode: Classroom; , 4 cr
 12807 007 LAB, 05:10pm-08:10pm Th, BioSci 182, STPAUL, instruction mode: Classroom; 1 seat reserved for CBS transfer students; , 4 cr
 25955 008 LAB, 05:10pm-08:10pm T, BioSci 182, STPAUL, instruction mode: Classroom; , 4 cr

2022 General Botany

(A-F only; prereq One semester of college biology)

001 LEC, 04:05pm-04:55pm TTh, RutanH B35, STPAUL, instruction mode: Classroom; Ward, John M
 11505 003 LAB, 12:50pm-03:50pm T, PlntGrwth 104, STPAUL, instruction mode: Classroom; Reserved seating for CBS transfer student orientation will expire 8/25/2010; 1 seat reserved for CBS transfer students; Ward, John M, 3 cr
 11506 004 LAB, 05:10pm-08:10pm T, PlntGrwth 104, STPAUL, instruction mode: Classroom; Ward, John M, 3 cr
 11507 005 LAB, 12:50pm-03:50pm Th, PlntGrwth 104, STPAUL, instruction mode: Classroom; Ward, John M, 3 cr
 15904 006 LAB, 05:10pm-08:10pm Th, PlntGrwth 104, STPAUL, instruction mode: Classroom; Reserved seating for CBS transfer student orientation will expire 8/25/2010; 1 seat reserved for CBS transfer students; Ward, John M, 3 cr

2301 Leadership and Service

(S-N; prereq 1301, 2001, CBS Dean's Scholar)

22425 001 DIS, 02:30pm-04:25pm T, STSS 420B, instruction mode: Classroom; , 2 cr

2331 Anatomy and Physiology I

(A-F only; prereq Grade of at least C- in 2311 or placement test; meets CLE req of Biological Sciences)

001 LEC, 08:00am-09:55am MW, 318Com 7, ROCHESTER, instruction mode: Classroom; Petzold, Andy M; Olson, Rachel Lee; Haines, David Scott
 002 LEC, 11:15am-01:10pm MW, 318Com 10, ROCHESTER, instruction mode: Classroom; Petzold, Andy M; Haines, David Scott; Olson, Rachel Lee
 20742 003 LAB, 08:00am-09:55am F, 318Com 4, ROCHESTER, instruction mode: Classroom; Haines, David Scott; Olson, Rachel Lee; Petzold, Andy M, 4 cr
 20743 004 LAB, 11:15am-01:10pm F, 318Com 4, ROCHESTER, instruction mode: Classroom; Olson, Rachel Lee; Petzold, Andy M; Haines, David Scott, 4 cr
 21716 005 LAB, 01:25pm-03:20pm F, 318Com 4, ROCHESTER, instruction mode: Classroom; Olson, Rachel Lee; Haines, David Scott; Petzold, Andy M, 4 cr

2905 Nature of Life, Part III

(S-N; prereq 1805, 1806)

25912 001 IND, instruction mode: Classroom; Conover, Abby Christine; Wright, Robin, 0.50 cr

2960H Exploring Research in the Biological Sciences

(A-F; prereq CBS, Honors program, soph, dept consent; meets HON req of Honors)

15116 001 LEC, 02:30pm-03:45pm Th, STSS 330, instruction mode: Classroom; 75 seats reserved for Biol 2002/H or &2002/H, CBS ho; Davis, Dana, 1 cr

3001 Nature of Science and Research

(S-N; prereq College-level biology)

24130 001 DIS, 03:35pm-04:25pm M, STSS 412, instruction mode: Classroom; 70 seats reserved for CBS transfer students; Mosser, Anna, 1 cr

3004 Foundations of Biology for Biological Sciences Majors, Part II Laboratory

(Credit will not be granted if credit has been received for: BIOL 3004H; A-F; prereq [2002 or 2002H or CBS major])

001 LEC, 02:30pm-03:20pm M, STSS 114, instruction mode: Classroom; Meets with: 19318 BIOL 3004H; Kirkpatrick, Catherine
 25318 002 DIS, 12:50pm-01:40pm T, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25333 BIOL 3004H; , 3 cr
 25319 003 DIS, 01:55pm-02:45pm T, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing

research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25334 BIOL 3004H; , 3 cr
 25320 004 DIS, 03:00pm-03:50pm T, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25335 BIOL 3004H; , 3 cr
 25321 005 DIS, 04:05pm-04:55pm T, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25336 BIOL 3004H; , 3 cr
 25322 006 DIS, 05:10pm-06:00pm T, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25337 BIOL 3004H; , 3 cr
 25323 007 DIS, 08:30am-09:20am W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25338 BIOL 3004H; , 3 cr
 25324 008 DIS, 09:35am-10:25am W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25339 BIOL 3004H; , 3 cr
 010 LEC, 03:35pm-04:25pm M, STSS 114, instruction mode: Classroom; Meets with: 19319 BIOL 3004H; Kirkpatrick, Catherine
 25325 011 DIS, 10:40am-11:30am W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25340 BIOL 3004H; , 3 cr
 25326 012 DIS, 11:45am-12:35pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25341 BIOL 3004H; , 3 cr
 25327 013 DIS, 12:50pm-01:40pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25342 BIOL 3004H; , 3 cr
 25328 014 DIS, 01:55pm-02:45pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25343 BIOL 3004H; , 3 cr
 25329 015 DIS, 03:00pm-03:50pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25344 BIOL 3004H; , 3 cr
 25330 016 DIS, 04:05pm-04:55pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25345 BIOL 3004H; , 3 cr
 25331 017 DIS, 05:10pm-06:00pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25346 BIOL 3004H; , 3 cr
 34290 020 LEC, 02:30pm-03:45pm TTh, STSS 432A, instruction mode: Classroom; Meets with: 34291 BIOL 3004H, 3 cr

3004H Foundations of Biology for Biological Sciences Majors, Part II Laboratory

(Credit will not be granted if credit has been received for: BIOL 3004; A-F; prereq [2002 or 2002H], honors; meets HON req of Honors)

001 LEC, 02:30pm-03:20pm M, STSS 114, instruction mode: Classroom; Meets with: 19316 BIOL 3004; Kirkpatrick, Catherine
 25333 002 DIS, 12:50pm-01:40pm T, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25318 BIOL 3004; , 3 cr
 25334 003 DIS, 01:55pm-02:45pm T, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25319 BIOL 3004; , 3 cr
 25335 004 DIS, 03:00pm-03:50pm T, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25320 BIOL 3004; , 3 cr
 25336 005 DIS, 04:05pm-04:55pm T, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing

research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25321 BIOL 3004; , 3 cr

25337 006 DIS, 05:10pm-06:00pm T, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25322 BIOL 3004; , 3 cr

25338 007 DIS, 08:30am-09:20am W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25323 BIOL 3004; , 3 cr

25339 008 DIS, 09:35am-10:25am W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25324 BIOL 3004; , 3 cr

010 LEC, 03:35pm-04:25pm M, STSS 114, instruction mode: Classroom; Meets with: 19317 BIOL 3004; Kirkpatrick, Catherine

25340 011 DIS, 10:40am-11:30am W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25325 BIOL 3004; , 3 cr

25341 012 DIS, 11:45am-12:35pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25326 BIOL 3004; , 3 cr

25342 013 DIS, 12:50pm-01:40pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25327 BIOL 3004; , 3 cr

25343 014 DIS, 01:55pm-02:45pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25328 BIOL 3004; , 3 cr

25344 015 DIS, 03:00pm-03:50pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25329 BIOL 3004; , 3 cr

25345 016 DIS, 04:05pm-04:55pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25330 BIOL 3004; , 3 cr

25346 017 DIS, 05:10pm-06:00pm W, BioSci 12, STPAUL, instruction mode: Classroom; Students will be doing research projects that will require an additional 4-6 hours of lab work per week; times to be arranged.; Meets with: 25331 BIOL 3004; , 3 cr

34291 020 DIS, 02:30pm-03:45pm TTh, STSS 432A, instruction mode: Classroom; Meets with: 34290 BIOL 3004, 3 cr

3007W Plant, Algal, and Fungal Diversity and Adaptation
(prereq One semester college biology, CHEM 1021; meets CLE req of Writing Intensive)

001 LEC, 10:40am-11:30am MW, BioSci 64, STPAUL, instruction mode: Classroom; Moeller, David; Kennedy, Peter Gault

13022 002 LAB, 08:30am-10:25am MW, BioSci 176, STPAUL, instruction mode: Classroom; Reserved seating for CBS transfer student orientation will expire 8/25/2010; 1 seat reserved for CBS transfer students, 4 cr

13023 003 LAB, 11:45am-01:40pm MW, BioSci 176, STPAUL, instruction mode: Classroom; Reserved seating for CBS transfer student orientation will expire 8/25/2010; 1 seat reserved for CBS transfer students, 4 cr

13024 004 LAB, 01:55pm-03:50pm MW, BioSci 176, STPAUL, instruction mode: Classroom; Reserved seating for CBS transfer student orientation will expire 8/25/2010; 1 seat reserved for CBS transfer students, 4 cr

16046 005 LAB, 04:05pm-06:00pm MW, BioSci 176, STPAUL, instruction mode: Classroom; Reserved seating for CBS transfer student orientation will expire 8/25/2010; 1 seat reserved for CBS transfer students, 4 cr

3211 Physiology of Humans and Other Animals
(prereq [1009 or 2003 or equiv], [CHEM 1021 or 1061], [2005 is recommended])

12832 001 LEC, 03:35pm-04:25pm MWF, STSS 220, instruction mode: Classroom; Price, Michele Boeing, 3 cr

3272 Applied Biostatistics

(Credit will not be granted if credit has been received for: BIOL 5272; A-F; prereq High school algebra; 2003 recommended)

21326 001 LEC, 04:30pm-05:45pm MW, BioSci 64, STPAUL, instruction mode: Classroom; Meets with: 22693 BIOL 5272; Nedveck, Derek; Katagiri, Fumiaki, 3 cr

3302 Leadership For Change

(S-N; prereq 1301, 2001, 2301, CBS dean's scholar) 19942 001 DIS, 03:35pm-04:25pm W, STSS 420B, instruction mode: Classroom; Cannot be used toward CBS major requirements.; , 1 cr

3303 Peer Leadership Practicum

(max crs 2; S-N; prereq 1301, 2001, CBS dean's scholar) 19943 001 DIS, 01:25pm-02:15pm F, STSS 119, instruction mode: Classroom; Cannot be used toward CBS major requirements.; , 1 cr

3311 Molecular Genetics

(A-F only; prereq 2311, CHEM 1231, CHEM 2331; meets CLE req of Biological Sciences; meets CLE req of Technology and Society)

22738 001 LEC, 03:45pm-05:00pm TTh, USq 415, ROCHESTER, instruction mode: Classroom; Metzger, Kelsey Jean; Wollschlager, Jenny, 3 cr

31448 002 LEC, instruction mode: Classroom, 3 cr

3344 Microbiology

(A-F only; prereq [Grade of at least C- in [[2311 or equiv], [CHEM 1231 or equiv], [MATH 1110 or equiv]]]; meets CLE req of Environment)

001 LEC, 12:45pm-02:00pm TTh, 318Com 7, ROCHESTER, instruction mode: Classroom; Terrell, Cassidy R.; Yue, Andrew Robin; Silveira, Michael Allen

31452 002 LAB, 05:00pm-07:30pm T, USq 422, ROCHESTER, 09/08/15-09/08/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 09/22/15-09/22/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 10/06/15-10/06/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 10/20/15-10/20/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 11/03/15-11/03/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 11/17/15-11/17/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 12/01/15-12/01/15, instruction mode: Classroom; Terrell, Cassidy R.; Yue, Andrew Robin; Silveira, Michael Allen, 4 cr

31457 003 LAB, 05:00pm-07:30pm T, USq 422, ROCHESTER, 09/15/15-09/15/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 09/29/15-09/29/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 10/13/15-10/13/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 10/27/15-10/27/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 11/10/15-11/10/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 11/24/15-11/24/15, 05:00pm-07:30pm T, USq 422, ROCHESTER, 12/08/15-12/08/15, instruction mode: Classroom; Terrell, Cassidy R.; Yue, Andrew Robin; Silveira, Michael Allen, 4 cr

3503 Biology of Aging

(A-F; prereq 1002 or 1009 or 2003 or equiv)

17087 001 LEC, 03:00pm-04:55pm M, RuttanH B26, STPAUL, instruction mode: Classroom; Curtsinger, James W, 2 cr

3600 Directed Instruction

(max crs 6; 6 repeats allowed; S-N only; prereq 1020, upper div, application, instr consent ; up to 4 cr may apply to major)

12064 001 IND, instruction mode: Classroom; Silflow, Carolyn D., 1-2 cr

3610 Internship: Professional Experience in Biological Sciences

(max crs 6; 6 repeats allowed; S-N only) 14952 001 FWK, instruction mode: Classroom; 3 two-hour class sessions TBA; Christy, Rebecca Ann; Novack, Lisa Marie, 1-6 cr

3960H Communicating in the Biological Sciences

(A-F; prereq CBS honors; meets HON req of Honors) 11517 001 LEC, 01:25pm-02:15pm M, STSS 530B, instruction mode: Classroom; Decker, Mark David, 1 cr

11518 002 LEC, 02:30pm-03:20pm M, STSS 530B, instruction mode: Classroom; Decker, Mark David, 1 cr

23283 003 LEC, instruction mode: Classroom, 1 cr

4003 Genetics

(Credit will not be granted if credit has been received for: GCD 3022; prereq [[BIOC 3021 or BIOC 4331], [any CBS major or major in [animal science or applied plant science or BA biology or BA microbiology or nutrition or physiology or biology/society/environment] or Grad MBS major]] or instr consent)

12063 001 LEC, 01:00pm-02:15pm MW, STSS 114, instruction mode: Classroom; Non-prereq majors - Enroll in GCD 3022 Genetics. Prereq majors - must have upper level biochem course. Please contact Sue at smk@umn.edu with questions.; 2 seats reserved for CBS transfer students; Brooker, Robert James; Blekman, Ran; Shima, Naoko, 3 cr

15135 002 LEC, 04:30pm-05:45pm TTh, ABLMS 125, STPAUL, instruction mode: Classroom; Non-prereq majors - Enroll in GCD 3022 Genetics. Prereq majors - must have upper level biochem course. Please contact Sue at smk@umn.edu with questions.; 2 seats reserved for CBS transfer students; Glazebrook, Jane; Voytas, Daniel F, 3 cr

15510 003 LEC, instruction mode: Classroom; Non-prereq majors - Enroll in GCD 3022 Genetics. Prereq majors - must have upper level biochem course. Please contact Sue at smk@umn.edu with questions.; 2 seats reserved for CBS transfer students, 3 cr

4004 Cell Biology

(Credit will not be granted if credit has been received for: GCD 4005W; prereq 4003, [BIOC 3021 or BIOC 4331], [CBS major or CSE major or grad MSB major])

12363 001 LEC, 08:00am-08:50am MWF, STSS 412, instruction mode: Classroom; Non-prereq majors - Register for GCD 3033 Cell Biology. Please contact Sue at smk@umn.edu with questions.; 2 seats reserved for CBS transfer students; Koepf, Deanna; Conner PhD, Sean, 3 cr

12364 002 LEC, 05:30pm-06:45pm TTh, GrnH 110, STPAUL, instruction mode: Classroom; Non-prereq majors - Register for GCD 3033 Cell Biology. Please contact Sue at smk@umn.edu with questions.; 2 seats reserved for CBS transfer students; Brambl, Robert Morgan, 3 cr

19009 003 LEC, 02:30pm-03:45pm TTh, STSS 312, instruction mode: Classroom; Non-prereq majors - Register for GCD 3033 Cell Biology. Please contact Sue at smk@umn.edu with questions.; 2 seats reserved for CBS transfer students; Matthes, David J, 3 cr

4201 Teaching in the Biology Laboratory

(max crs 2; S-N; prereq Student who is teaching in CBS lab course)

18771 001 FWK, instruction mode: Primarily Online; Scott, Cheryl L, 1 cr

21132 002 FWK, instruction mode: Primarily Online; Engelhardt, Adam John; Cotner, Sehoya H, 1 cr

4342 Neuroscience

(A-F only; prereq 2331; [2332 or 3311 or BIOC 3321]; or instr consent)

25861 001 LEC, 09:45am-11:00am TTh, USq 317, ROCHESTER, instruction mode: Classroom; Dunbar, Robert Lee; Olson, Rachel Lee, 3 cr

4590 Coral Reef Ecology

(A-F; prereq Introductory biology course with lab)

25933 001 DIS, 12:50pm-02:50pm T, Ecology 150, STPAUL, instruction mode: Classroom; Cotner, James B; Cotner, Sehoya H, 2 cr

4793W Directed Studies: Writing Intensive

(max crs 36; 6 repeats allowed; S-N; prereq instr consent , dept consent; meets CLE req of Writing Intensive)

19900 001 IND, instruction mode: Independent/Directed Studies; Wick, Susan M, 1-6 cr

4794W Directed Research

(max crs 36; 6 repeats allowed; S-N; prereq instr consent , dept consent; meets CLE req of Writing Intensive)

19901 001 IND, instruction mode: Independent/Directed Studies; Wick, Susan M, 1-6 cr

4960H Thesis Writing in the Biological Sciences: Developing the Literature Review

(A-F; prereq Honors, [College of Biological Sciences student or interdisciplinary major with life sciences focus]; meets HON req of Honors)

21178 001 LEC, 12:20pm-01:10pm W, STSS 412, instruction mode: Classroom; Schiff, Leslie Ann; Haas, Kelaime Crawford, 1 cr

21179 002 LEC, 10:10am-11:00am F, STSS 420B, instruction mode: Classroom; By permission only for students who can't register for section 001 due to conflicts arising from required courses. Please contact Kelaime Haas, khaas@umn.edu, for a permission number. Be sure to state the name of the course that conflicts with section 001.; Schiff, Leslie Ann; Haas, Kelaime Crawford, 1 cr

4993 Directed Studies

(max crs 36; 6 repeats allowed; S-N; prereq instr consent , dept consent)

19677 001 IND, instruction mode: Independent/Directed Studies; Wick, Susan M, 1-6 cr

4994 Directed Research

(max crs 36; 6 repeats allowed; S-N; prereq instr consent, dept consent)

19678 001 IND, instruction mode: Independent/Directed Studies; Wick, Susan M, 1-6 cr

5272 Applied Biostatistics

(Credit will not be granted if credit has been received for: BIOL 3272; A-F; prereq One semester of college-level [calculus or statistics or computer programming], general biology)

22693 1001 LEC, 04:30pm-05:45pm MW, BioSci 64, STPAUL, instruction mode: Classroom; Meets with: 21326 BIOL 3272; Nedveck, Derek; Katagiri, Fumiaki, 3 cr

6793 Directed Studies

(max crs 7; 7 repeats allowed; prereq MBS, 7 cr max, instr consent)

14372 001 IND, instruction mode: Classroom; Schottel, Janet L, 1-7 cr

6794 Directed Research

(max crs 7; S-N only; prereq MBS, instr consent)

14373 001 IND, instruction mode: Classroom; Schottel, Janet L, 1-7 cr

6999 Capstone Project

(S-N only; prereq MBS, instr consent)

13463 001 IND, instruction mode: Classroom; Schottel, Janet L, 2 cr

BIOLOGY, SOCIETY, AND ENVIRONMENT (BSE)

2001 An Introduction to Biology, Society, and Environment

(A-F; prereq BSE major. Must be completed prior to senior year.)

24000 001 LEC, 01:25pm-03:20pm W, AndH 210, instruction mode: Classroom; Squires, Roderick H, 2 cr

3361W Geography and Public Policy

(Credit will not be granted if credit has been received for: GEOG 3361W; meets CLE req of Writing Intensive)

24265 001 LEC, 01:00pm-02:15pm TTh, AndH 330, instruction mode: Classroom; Meets with: 22548 GEOG 3361W; Squires, Roderick H, 3 cr

3996 Senior Project Directed Research

(Credit will not be granted if credit has been received for: BSE 3996H; max crs 8; A-F)

23333 001 IND, instruction mode: Classroom, 3-4 cr

3996H Honors: Senior Project Directed Research

(Credit will not be granted if credit has been received for: BSE 3996; max crs 8; A-F; meets HON req of Honors)

23335 001 IND, instruction mode: Classroom, 3-4 cr

3997 Senior Project

(Credit will not be granted if credit has been received for: BSE 3997H; max crs 4; A-F)

23334 001 IND, instruction mode: Classroom, 2 cr

3997H Honors: Senior Project

(Credit will not be granted if credit has been received for: BSE 3997; max crs 4; A-F; meets HON req of Honors)

23336 001 IND, instruction mode: Classroom, 2 cr

BIOMEDICAL ENGINEERING (BME)

7-105 Niels Hasselmo Hall, 312 Church Street SE, East Bank Campus, Minneapolis, MN, 55455

612/624-4507, <http://www1.umn.edu/bme>

1601 Biomedical Engineering Undergraduate Seminar I

(A-F; prereq CSE student; credit will not be granted if credit already received for: BME 2601)

14460 1001 LEC, 04:40pm-05:30pm W, STSS 220, instruction mode: Classroom; 180 seats reserved for CSE student; Tranquillo PhD, Robert T, 1 cr

2401 Programming for Biomedical Engineers

(A-F; prereq MATH 1272, PHYS 1302, CSE student)

001 LEC, 12:20pm-01:10pm T, FraserH 102, instruction mode: Classroom; Gyoneva, Lazarina, 2 cr

17636 002 LAB, 12:20pm-01:50pm Th, KHKH 2-170, 12:20pm-01:50pm Th, KHKH 2-172, instruction mode: Classroom; Gyoneva, Lazarina, 2 cr

17637 003 LAB, 02:30pm-04:00pm Th, KHKH 2-170, 02:30pm-04:00pm Th, KHKH 2-172, instruction mode: Classroom; Gyoneva, Lazarina, 2 cr

18600 004 LAB, 01:30pm-03:00pm T, KHKH 2-170, 01:30pm-03:00pm T, KHKH 2-172, instruction mode: Classroom; Gyoneva, Lazarina, 2 cr

21970 005 LAB, 03:20pm-04:50pm T, KHKH 2-170, 03:20pm-04:40pm T, KHKH 2-172, instruction mode: Classroom; Gyoneva, Lazarina, 2 cr

2501 Cellular and Molecular Biology for Biomedical Engineers

(A-F only; prereq Concurrent registration is required (or allowed) in CHEM 1022, Concurrent registration is required (or allowed) in MATH 1372, Concurrent registration is required (or allowed) in PHYS 1302, CSE student; meets CLE req of Biological Sciences)

001 LEC, 12:20pm-01:10pm MWF, BellMus 100, instruction mode: Classroom; Meets with: 17632 BMEN 5501; Sachs, Jonathan Nathaniel; Ogle, Brenda Marie

17626 002 LAB, 08:00am-09:55am T, MoosT 3-343, instruction mode: Classroom; Ogle, Brenda Marie; Sachs, Jonathan Nathaniel, 4 cr

17627 003 LAB, 10:10am-12:05pm T, MoosT 3-343, instruction mode: Classroom; Ogle, Brenda Marie; Sachs, Jonathan Nathaniel, 4 cr

17628 004 LAB, 08:00am-09:55am Th, MoosT 3-343, instruction mode: Classroom; Ogle, Brenda Marie; Sachs, Jonathan Nathaniel, 4 cr

17629 005 LAB, 10:10am-12:05pm Th, MoosT 3-343, instruction mode: Classroom; Ogle, Brenda Marie; Sachs, Jonathan Nathaniel, 4 cr

17630 006 LAB, 01:25pm-03:20pm M, MoosT 3-343, instruction mode: Classroom; Ogle, Brenda Marie; Sachs, Jonathan Nathaniel, 4 cr

21955 007 LAB, 01:25pm-03:20pm W, MoosT 3-343, instruction mode: Classroom; Ogle, Brenda Marie; Sachs, Jonathan Nathaniel, 4 cr

3011 Biomechanics

(A-F only; prereq BME Upper Div or dept consent)

001 LEC, 09:05am-09:55am MWF, MoosT 3-110, instruction mode: Classroom; Alford, Patrick William

23714 002 DIS, 12:20pm-01:10pm W, AkerH 215, instruction mode: Classroom; Alford, Patrick William, 3 cr

23715 003 DIS, 01:25pm-02:15pm W, STSS 117, instruction mode: Classroom; Alford, Patrick William, 3 cr

23716 004 DIS, 02:30pm-03:20pm W, STSS 123, instruction mode: Classroom; Alford, Patrick William, 3 cr

3015 Biomechanics Lab

(A-F only; prereq [BME UD or dept consent], Concurrent registration is required (or allowed) in 3011)

23717 001 LAB, 09:05am-11:00am T, MoosT 3-238, instruction mode: Classroom; Alford, Patrick William, 1 cr

23718 002 LAB, 11:15am-01:10pm T, MoosT 3-238, instruction mode: Classroom; Alford, Patrick William, 1 cr

23719 003 LAB, 08:00am-09:55am Th, MoosT 3-238, instruction mode: Classroom; Alford, Patrick William, 1 cr

23720 004 LAB, 11:15am-01:10pm Th, MoosT 3-238, instruction mode: Classroom; Alford, Patrick William, 1 cr

3211 Bioelectricity and Bioinstrumentation

(Credit will not be granted if credit has been received for: BMEN 3201; A-F only; prereq BME Upper Div or dept consent)

001 LEC, 11:15am-12:05pm MWF, AkerH 209, instruction mode: Classroom; Akkin, Taner

23722 002 DIS, 11:15am-12:05pm T, AkerH 215, instruction mode: Classroom; Akkin, Taner, 3 cr

23723 003 DIS, 11:15am-12:05pm Th, STSS 117, instruction mode: Classroom; Akkin, Taner, 3 cr

23724 004 DIS, 08:00am-08:50am W, AkerH 211, instruction mode: Classroom; Akkin, Taner, 3 cr

3215 Bioelectricity and Bioinstrumentation Lab

(A-F only; prereq [BMEN Upper Div or dept consent], Concurrent registration is required (or allowed) in 3211)

23725 001 LAB, 01:25pm-03:20pm T, MoosT 3-349, instruction mode: Classroom; Akkin, Taner, 1 cr

23726 1002 LAB, 04:35pm-06:30pm T, MoosT 3-349,

instruction mode: Classroom; Akkin, Taner, 1 cr

23727 003 LAB, 01:25pm-03:20pm Th, MoosT 3-349,

instruction mode: Classroom; Akkin, Taner, 1 cr

23728 004 LAB, 03:35pm-05:30pm Th, MoosT 3-349,

instruction mode: Classroom; Akkin, Taner, 1 cr

3601 Biomedical Engineering Careers and Practice in the Med Tech Industry

(A-F)

25466 001 LEC, 12:20pm-01:10pm M, AkerH 209, instruction mode: Classroom; Kroll, Mark William, 1 cr

4001W Biomedical Engineering Design I

(A-F only; prereq 2501, 3001, 3101, 3201, 3301, 3701; meets CLE req of Writing Intensive)

001 LEC, 01:25pm-02:15pm TTh, AkerH 209, instruction mode: Classroom; Ashkenazi, Shai

14713 002 DIS, instruction mode: Classroom; Students will be expected to meet TWICE WEEKLY, outside of class, for two hours, in addition to attending the lectures. In weeks 1-4, students will be meeting with clinic advisors (times to be determined by clinic advisor). From week 5 on, these meetings will be with team members and industrial advisor (this time is agreed upon by team and advisor); Ashkenazi, Shai, 3 cr

4011 CAD/CAE of Bioelectrical Devices

(A-F only; prereq [3211, 3215] or instr consent)

26548 1001 LAB, 04:40pm-05:30pm T, MechE 314, instruction mode: Classroom; This class will be scheduled in a CSE lab classroom. We do not need a general purpose classroom for this class.; Yucsan, Birin, 1 cr

4013 CAD of Biomechanical/transport Devices

(A-F only; prereq BME Upper Division or instr consent)

26549 001 LAB, 01:45pm-03:25pm M, MechE 314, instruction mode: Classroom; We do not need a general purpose classroom for this class, as we are using a CSE lab.; Hattan, Paul, 1 cr

4015 CAE of Biomechanical/transport Devices

(A-F only; prereq 3011, 3015, 3111, 3115)

26550 1001 LAB, 04:40pm-05:30pm M, KHKH 2-172, instruction mode: Classroom; We will be using a CSE lab for this course, so we do not need a General Purpose Classroom.; Guler, Ismail, 1 cr

26815 1002 LAB, 05:40pm-06:30pm M, KHKH 2-172, instruction mode: Classroom; Guler, Ismail, 1 cr

4710 Directed Research

(max crs 6; 6 repeats allowed; A-F only; prereq instr consent, dept consent)

14476 001 IND, instruction mode: Classroom; Akkin, Taner, 1-6 cr

4720 Directed Study

(max crs 4; A-F only; prereq instr consent, dept consent)

14477 001 IND, instruction mode: Classroom; Akkin, Taner, 1-4 cr

4794H Directed Research Honors

(max crs 6; A-F; prereq BME UD, UHP student, instr consent, dept consent; meets HON req of Honors)

31347 001 IND, instruction mode: Classroom, 1-4 cr

4896 Industrial Assignment I: Co-op Program

(A-F; prereq BME upper div, completion of required courses in BME n prog through spring sem of 3rd yr, registered in co-op prog)

19977 001 FWK, instruction mode: Independent/Directed Studies; Akkin, Taner, 2 cr

4996 Industrial Assignment II: Co-op Program

(A-F; prereq 4896, registration in co-op prog)

20181 001 FWK, instruction mode: Independent/Directed Studies; Akkin, Taner, 3 cr

5001 Advanced Biomaterials

(A-F only; prereq 3301 or MatS 3011 or grad student or instr consent)

13374 001 LEC, 11:15am-12:30pm TTh, MechE 108, instruction mode: Classroom; Wang, Chun, 3 cr

34026 883 LEC, 11:15am-12:30pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For

computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Wang, Chun, 3 cr

5041 Tissue Engineering

(prereq CSE upper div or grad student or med student or instr consent)

18331 001 LEC, 04:00pm-05:15pm TTh, KHKH 3-115, instruction mode: Classroom; Shen, Wei, 3 cr
34031 883 LEC, 04:00pm-05:15pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Shen, Wei, 3 cr

5201 Advanced Biomechanics

(prereq [[3001 or equiv], [CSE upper div or grad student]] or instr consent)

15664 001 LEC, 11:15am-12:05pm MWF, KHKH 3-115, instruction mode: Classroom; Barocas, Victor Howard, 3 cr
22675 883 LEC, 11:15am-12:05pm MWF, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Barocas, Victor Howard, 3 cr

5321 Microfluidics in Biology and Medicine

(A-F only; prereq [3111, AEM 4201, ChEn 4005, [ME 3331 or ME 3332 or CSE grad student or instr consent])

26675 001 LEC, 09:45am-11:00am TTh, AkerH 211, instruction mode: Classroom; Formerly BMEn 8311. Credit will not be granted for students who have already completed BMEn 8311.; Wood, David K, 3 cr

5351 Cell Engineering

(prereq [2401, [2501 or Concurrent registration is required (or allowed) in 5501], [MATH 2243 or MATH 2373]] or CSE upper div or grad student or instr consent)

19667 001 LEC, 02:30pm-03:45pm TTh, MechE 108, instruction mode: Classroom; Gardner, Melissa Klein, 3 cr
34034 883 LEC, 02:30pm-03:45pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Gardner, Melissa Klein, 3 cr

5401 Advanced Biomedical Imaging

(A-F only; prereq CSE upper div or grad student or instr consent)

32920 001 LEC, 02:30pm-03:45pm TTh, MechE 212, instruction mode: Classroom; He, Bin; Baltzley, Jessica Lynn, 3 cr
34037 883 LEC, 02:30pm-03:45pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework

and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; He, Bin, 3 cr

5411 Neural Engineering

(prereq 3401 recommended)

19448 001 LEC, 11:15am-12:30pm TTh, KHKH 3-125, instruction mode: Classroom; Final Oral presentation is required.; Netoff, Tay Ivan, 3 cr
21021 883 LEC, 11:15am-12:30pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees (\$100/per credit). Registration form(s) are found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Question: 612-624-2332 or 877-668-6483. SECTION NOT CLOSED - JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Netoff, Tay Ivan, 3 cr

5412 Neuromodulation

(A-F; prereq CSE upper-div or grad student or instr consent)

32944 001 LEC, 01:00pm-02:15pm MW, MechE 102, instruction mode: Classroom; Johnson, Matthew Douglas, 3 cr
34040 883 LEC, 01:00pm-02:15pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Johnson, Matthew Douglas, 3 cr

5501 Biology for Biomedical Engineers

(prereq Engineering upper div or grad student)

17632 001 LEC, 12:20pm-01:10pm MWF, BellMus 100, instruction mode: Classroom; Meets with: 17625 BMEn 2501; Sachs, Jonathan Nathaniel; Ogle, Brenda Marie, 3 cr
22678 883 LEC, 12:20pm-01:10pm MWF, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees (\$100/per credit). Registration form(s) are found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Question: 612-624-2332 or 877-668-6483. SECTION NOT CLOSED - JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Ogle, Brenda Marie, 3 cr

5701 Cancer Bioengineering

(A-F only; prereq [Upper division CSE undergraduate, CSE graduate student] or instr consent)

23871 001 LEC, 09:45am-11:00am WF, AmundH 124, instruction mode: Classroom; Provenzano, Paolo, 3 cr

5910 Special Topics in Biomedical Engineering

(max crs 6)

25773 001 LEC, instruction mode: Classroom; Microfluidics in Biology and Medicine. This topic has been converted to a permanent course number. Students should register for BMEn 5321., 3 cr

5920 Special Topics in Biomedical Engineering

(max crs 6)

26292 001 LEC, instruction mode: Classroom; Molecular, Cellular & Tissue Biomechanics. Consortium course team-taught by Roger D. Kamm (MIT), Victor Barocas (UMN), and Wonmuk Hwang (Texas A&M), -1-3 cr

8101 Biomedical Digital Signal Processing

(A-F only; prereq [[MATH 2243 or MATH 2373], [MATH 2263 or MATH 2374]] or equiv)

22761 001 LEC, 04:00pm-05:15pm TTh, NHH 2-101, instruction mode: Classroom; Lim, Hubert Hyungil, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13948 001 IND, instruction mode: Classroom, 1 cr

8334 Laboratory Neuroengineering

(max crs 6; 6 repeats allowed; S-N; prereq Grad student in CSE or neuroscience)

22308 001 ROT, instruction mode: Independent/Directed Studies, 1 cr
22309 002 ROT, instruction mode: Independent/Directed Studies, 1 cr
22310 003 ROT, instruction mode: Independent/Directed Studies, 1 cr

8401 New Product Design and Business Development

(Credit will not be granted if credit has been received for: ME 8221, ENTR 6087, ENTR 6041, ENTR 6042; A-F only; prereq [CSE grad student or CSOM grad student], some design experience; 8401, 8402 must be taken same yr)

13655 001 LEC, 05:00pm-08:20pm W, HMH 1-107, instruction mode: Classroom; Meets with: 13496 ENTR 6041, 11714 ME 8221, 4 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14084 001 IND, instruction mode: Classroom, 1 cr

8501 Dynamical Systems in Biology

(A-F only; prereq Grad student in engineering or physics or math or physiology or neuroscience)

20502 001 LEC, 01:00pm-02:15pm TTh, NHH 5-101, instruction mode: Classroom; Talkachova, Alena, 3 cr

8511 Systems and Synthetic Biology

(A-F only)

001 LEC, 01:00pm-02:15pm TTh, RapsonH 15, instruction mode: Classroom; Sarkar, Casim
26773 002 DIS, 02:30pm-03:45pm W, NHH 4-101, instruction mode: Classroom; Sarkar, Casim, 3 cr

8601 Biomedical Engineering Seminar

(S-N only)

13330 001 LEC, 03:35pm-04:40pm MW, NHH 2-101, instruction mode: Classroom; Sarkar, Casim, 1 cr
16740 883 LEC, 03:35pm-04:40pm M, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Sarkar, Casim, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14202 001 IND, instruction mode: Classroom, 1-6 cr

8710 Directed Research

(max crs 3)

13375 001 IND, instruction mode: Classroom; Barocas, Victor Howard, 1-3 cr

8720 Internship in Biomedical Engineering

(max crs 6; S-N only; prereq Grad BMEn major)

13376 001 FWK, instruction mode: Classroom; Barocas, Victor Howard, 1-3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14290 001 IND, instruction mode: Classroom, 1-18 cr

8820 Plan B Project

(max crs 3; prereq BMEn MS student)

13536 001 IND, instruction mode: Classroom; Barocas, Victor Howard, 2-3 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq PhD student in biomedical engineering; max 14 cr per semester or summer; 24 cr required)

13722 001 IND, instruction mode: Classroom, 1-24 cr

8900 Special Topics in Biomedical Engineering

(max crs 8; A-F only)

25774 001 LEC, instruction mode: Classroom; This Special Topic has been converted to a permanent course, BMEn 8511., 1-4 cr

8910 Independent Study

(max crs 3; prereq Grad BMEn major)

13377 001 IND, instruction mode: Classroom; Barocas, Victor Howard, 1-3 cr

BIOMEDICAL INFORMATICS AND COMPUTATIONAL BIOLOGY (BICB)

*BICB Graduate Program Administration,
University of Minnesota Rochester, 300
University Square, 111 South Broadway,
Rochester, MN, 55904
507/281-7791, [http://www.r.umn.edu/
19_BICB_Graduate-Program.htm](http://www.r.umn.edu/19_BICB_Graduate-Program.htm)*

5620 Topics in Biomedical Informatics and Computational Biology

(max crs 24; 6 repeats allowed; prereq BICB grad student, permission of DGS)

22862 001 LEC, instruction mode: Classroom, 0.50-4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser consent, DGS consent)

19820 001 IND, instruction mode: Independent/Directed Studies, 1 cr

19821 002 IND, instruction mode: Independent/Directed Studies, 1 cr

8401 Ethics in Bioinformatics and Computational Biology

24473 001 DIS, 04:00pm-05:20pm Th, . ROCH-TBA, instruction mode: Classroom; Van Riper, Susan Kaye, 1 cr
24474 002 DIS, 04:00pm-05:20pm Th, . ROCH-TBA, ROCHESTER, instruction mode: Classroom; Van Riper, Susan Kaye, 1 cr

8444 FTE: Doctoral

(NGA; prereq Master's student, adviser consent, DGS consent)

21800 001 IND, instruction mode: Independent/Directed Studies, 1 cr

21801 002 IND, instruction mode: Independent/Directed Studies, 1 cr

8510 Computation and Biology

(max crs 4; A-F; prereq BICB grad student or instr consent)

19562 001 LEC, 04:00pm-05:20pm M, . ROCH-TBA, instruction mode: Classroom; Neuhauser, Claudia, 2 cr

19840 002 LEC, 04:00pm-05:20pm M, . ROCH-TBA, ROCHESTER, instruction mode: Classroom; Neuhauser, Claudia, 2 cr

8620 Topics in Biomedical Informatics and Computational Biology

(max crs 24; 6 repeats allowed; prereq BICB grad student, permission of DGS)

19588 001 LEC, instruction mode: Classroom, 0.50-4 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

19575 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr

19576 002 IND, instruction mode: Independent/Directed Studies, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA)

19871 001 IND, instruction mode: Independent/Directed Studies, 1-18 cr

19872 002 IND, instruction mode: Independent/Directed Studies, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA)

21799 001 IND, instruction mode: Independent/Directed Studies, 1-24 cr

21802 002 IND, instruction mode: Independent/Directed Studies, 1-24 cr

8920 BICB Colloquium

(max crs 2; S-N; prereq BICB grad student)

19563 001 LEC, instruction mode: Classroom; Neuhauser, Claudia, 1 cr

19564 002 LEC, instruction mode: Classroom; Neuhauser, Claudia, 1 cr

8930 BICB Journal Club

(max crs 4; 4 repeats allowed; S-N; prereq BICB grad student or instr consent)

19565 1001 LEC, 05:30pm-06:20pm Th, . ROCH-TBA, instruction mode: Classroom; Van Riper, Susan Kaye, 1 cr

19566 1002 LEC, 05:30pm-06:20pm Th, . ROCH-TBA, ROCHESTER, instruction mode: Classroom; Van Riper, Susan Kaye, 1 cr

8960 Internship

(max crs 12; 6 repeats allowed; S-N; prereq BICB Ph.D. student)

24463 001 FWK, instruction mode: Independent/Directed Studies, 1-6 cr

8991 Independent Study

(max crs 4; S-N; prereq BICB grad major)

19577 001 IND, instruction mode: Independent/Directed Studies; 1-2 cr

19578 002 IND, instruction mode: Independent/Directed Studies; 1-2 cr

23121 003 IND, instruction mode: Independent/Directed Studies; 1-2 cr

23226 004 IND, instruction mode: Independent/Directed Studies; 1-2 cr

8994 Directed Research

(max crs 6; S-N; prereq BICB grad student or instr consent)

24270 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr

BIOPRODUCTS AND BIOSYSTEMS ENGINEERING (BBE)

*203 Kaufert Lab, 2004 Folwell Avenue, St
Paul Campus, St Paul, MN, 55108
612/625-5200, <http://www.bbe.umn.edu>*

1001 Bioproducts and Biosystems Engineering Orientation (S-N only)

18349 001 LEC, 03:00pm-04:55pm Th, KaufL 302, STPAUL, instruction mode: Classroom; Mandatory field trip dates, TBA, Cloquet Forestry Center, field activities/tours.; Seavey, Robert Thomas; Tschirner, Ulrike Waltrau; Magner, Joe A, 1 cr

24583 002 LEC, 03:00pm-04:55pm Th, McNH 146, STPAUL, instruction mode: Classroom; Mandatory field trip dates, TBA, Cloquet Forestry Center, field activities/tours.; Magner, Joe A; Seavey, Robert Thomas; Tschirner, Ulrike Waltrau, 1 cr

25265 003 LEC, 03:00pm-04:55pm Th, GrnH 19, STPAUL, instruction mode: Classroom; Mandatory field trip dates, TBA, Cloquet Forestry Center, field activities/tours.; Magner, Joe A; Seavey, Robert Thomas; Tschirner, Ulrike Waltrau, 1 cr

1002 Biorenewable Resources

(A-F only; meets CLE req of Technology and Society)

22655 001 LEC, 11:15am-12:30pm TTh, SmithH 231, instruction mode: Classroom; Howe, Jeffrey L, 3 cr

2001 Mechanics and Structural Design

(A-F only; prereq [MATH 1272 or MATH 1372], [PHYS 1101 or PHYS 1301])

001 LEC, 09:35am-10:25am MW, HodsonH 495, STPAUL, instruction mode: Classroom; Chaplin, Jonathan

18373 002 LAB, 10:40am-12:35pm T, CofH 50, STPAUL, instruction mode: Classroom; Chaplin, Jonathan, 4 cr

23003 003 LAB, 01:55pm-03:50pm T, CofH 50, STPAUL, instruction mode: Classroom; Chaplin, Jonathan, 4 cr

2002 Introduction to Engineering Design

(A-F; prereq [MATH 1271 or MATH 1371, CHEM 1021, BBE lower div (soph) or upper div (jr)], freshman writing req) or instr consent)

001 LEC, 01:55pm-02:45pm MW, KaufL 302, STPAUL, instruction mode: Classroom; Nieber, John Little; Hu, Bo
20738 002 LAB, 03:00pm-04:50pm M, LES 230, STPAUL, instruction mode: Classroom; Nieber, John Little; Hu, Bo, 3 cr

20737 003 LAB, 03:00pm-04:50pm M, LES 220, STPAUL, instruction mode: Classroom; Nieber, John Little; Hu, Bo, 3 cr

25314 004 LAB, 03:00pm-04:50pm M, SkokH 35, STPAUL, instruction mode: Classroom; Hu, Bo; Nieber, John Little, 3 cr

2201 Renewable Energy and the Environment

(meets CLE req of Technology and Society)

21788 001 LEC, instruction mode: Correspondence; Schmidt, David Roger; Ramaswamy, Shri; Gardner, Rob, 3 cr

3012 Transport in Biological Processes I

(A-F; prereq 2001, 3033, [MATH 2243 or 2373], [MATH 2263 or 2374], PHYS 1302W or instr consent)

001 LEC, 10:15am-11:30am TTh, McNH 144, STPAUL, instruction mode: Classroom; Nieber, John Little;

Bhattacharya, Mrinal

21343 002 LAB, 09:30am-12:00pm F, BioAgEng 308, STPAUL, instruction mode: Classroom; Nieber, John Little;

Bhattacharya, Mrinal, 4 cr

22616 003 LAB, 08:45am-11:15am M, BioAgEng 308, STPAUL, instruction mode: Classroom; Bhattacharya, Mrinal; Nieber, John Little, 4 cr

3013 Engineering Principles of Molecular and Cellular Processes

(A-F only; prereq BIOL 1009, [CHEM 1022 or [CHEM 1062, CHEM 1066] or [Concurrent registration is required (or allowed) in CHEM 1062, Concurrent registration is required (or allowed) in CHEM 1066]], Math 1272 or Math 1372 or instr consent)

001 LEC, 11:45am-12:35pm MW, BioAgEng 106, STPAUL, instruction mode: Classroom; Barney, Brett M;

Bhattacharya, Mrinal

19708 002 LAB, 03:00pm-05:00pm W, ABLMS 135, STPAUL, instruction mode: Classroom; Barney, Brett M; Bhattacharya, Mrinal, 3 cr

19709 003 LAB, 03:00pm-05:00pm Th, ABLMS 135, STPAUL, instruction mode: Classroom; Barney, Brett M; Bhattacharya, Mrinal, 3 cr

3023 Ecological Engineering Principles

(prereq BIOL 1009, [BBE 3012 or Concurrent registration is required (or allowed) in BBE 3012] or instr consent)

001 LEC, 12:50pm-01:40pm TTh, BioAgEng 106, STPAUL, instruction mode: Classroom; Clanton, Chuck

18361 002 LAB, 01:55pm-04:15pm T, BioAgEng 106, STPAUL, instruction mode: Classroom; Clanton, Chuck, 3 cr

26412 003 LAB, 01:55pm-04:15pm Th, BioAgEng 308, STPAUL, instruction mode: Classroom; Clanton, Chuck, 3 cr

3093 Directed Studies

(max crs 5; prereq instr consent)

18364 001 IND, instruction mode: Classroom, 1-5 cr

3101 Introductory Statics and Structures for Construction Management

(A-F only; prereq Working knowledge of [trigonometry, geometry, algebra])

18374 1001 LEC, 06:00pm-09:00pm T, KaufL 302, STPAUL, instruction mode: Classroom; Seavey, Robert Thomas, 3 cr

3201 Sustainability of Food Systems: A Life Cycle Perspective

(A-F; meets CLE req of Global Perspectives)

23988 001 LEC, instruction mode: Correspondence; Hill, Jason David, 3 cr

3393 Directed Study

(max crs 12; 4 repeats allowed; prereq instr consent)

18375 001 IND, instruction mode: Classroom, 1-3 cr

3396 Industry Assignment

(A-F only; prereq BBE cooperative ed student, approval of departmental co-op coordinator)

18376 001 FWK, instruction mode: Classroom, 1 cr

3503 Marketing of Bio-based Products

(Credit will not be granted if credit has been received for: BBE 5503; A-F only)

18377 001 LEC, 12:50pm-02:30pm MW, BioAgEng 308, STPAUL, instruction mode: Classroom; Meets with: 18390 BBE 5503; Smith, Tim, 4 cr

4001 Chemistry of Biomass and Biomass Conversion to Fuels and Products

(Credit will not be granted if credit has been received for: BBE 5001; A-F only; prereq CHEM 2301 or instr consent; meets CLE req of Environment)

18378 001 LEC, 12:50pm-01:40pm MWF, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 18385 BBE 5001, 17342 CHEM 4001; Tschirner, Ulrike Waltrau, 4 cr

22717 002 LEC, instruction mode: Correspondence; Please contact the instructor for permission to register.; Tschirner, Ulrike Waltrau, 4 cr

4023W Process Control and Instrumentation

(Credit will not be granted if credit has been received for: BBE 5023; A-F only; prereq Upper div CSE or grad student; meets CLE req of Writing Intensive)

001 LEC, 12:50pm-01:40pm MW, BioAgEng 106, STPAUL, instruction mode: Classroom; Meets with: 18388 BBE 5023; Janni, Kevin A

18363 002 LAB, 12:50pm-02:30pm F, BioAgEng 105, STPAUL, instruction mode: Classroom; Meets with: 25214 BBE 5023; Janni, Kevin A, 3 cr

22623 003 LAB, 02:45pm-04:25pm F, BioAgEng 105, STPAUL, instruction mode: Classroom; Meets with: 25215 BBE 5023; Janni, Kevin A, 3 cr

25212 004 LAB, 12:50pm-02:30pm Th, BioAgEng 105, STPAUL, instruction mode: Classroom; Meets with: 25216 BBE 5023; Janni, Kevin A, 3 cr

4301 Applied Surface and Colloid Science

(Credit will not be granted if credit has been received for: BBE 5301; prereq 3043 or BMEN 2101 or CHEN 3101 or CHEM 4501 or instr consent)

25220 001 LEC, 01:30pm-02:45pm TTh, HodsonH 490, STPAUL, instruction mode: Classroom; Meets with: 25221 BBE 5301; Severtson, Steve John, 3 cr

4401 Bioproducts Engineering

(A-F only; prereq [3033, 3012, UD] or instr consent)

001 LEC, 11:45am-12:35pm TTh, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 18386 BBE 5401; Wang, Ping; Ramaswamy, Shri; Huang PhD, Huajiang

19890 002 DIS, 11:45am-12:35pm F, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 19891 BBE 5401; Wang, Ping; Huang PhD, Huajiang; Ramaswamy, Shri, 3 cr

4403 Bio-based Products Engineering Lab II

(Credit will not be granted if credit has been received for: BBE 5403; A-F only; prereq CHEM 2301, [jr or sr or instr consent])

18380 001 LAB, 08:30am-10:30am W, KaufL 60, STPAUL, instruction mode: Classroom; Meets with: 18387 BBE 5403; Tze, William Tai Yin, 1 cr

24306 002 LAB, 08:30am-10:30am F, KaufL 60, STPAUL, instruction mode: Classroom; Tze, William Tai Yin, 1 cr

4404 Biopolymers and Biocomposites Engineering

(Credit will not be granted if credit has been received for: BBE 5404; A-F only; prereq [BBE/CSE upper division] or instr consent)

25218 001 LEC, 10:15am-11:30am TTh, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 25219 BBE 5404; Tze, William Tai Yin, 3 cr

4407W Sustainable Manufacturing Principles and Practices

(Credit will not be granted if credit has been received for: BBE 5407; A-F; prereq Junior/Senior Status, Introductory Chemistry or instr consent; meets CLE req of Writing Intensive)

18381 001 LEC, 10:40am-12:35pm MW, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 18389 BBE 5407; Espinoza, Omar A, 3 cr

4414 Advanced Residential Building Science

(Credit will not be granted if credit has been received for: BBE 5414; prereq 2001)

24016 001 LEC, 08:45am-10:00am TTh, KaufL 302, STPAUL, 08:45am-11:15am F, KaufL 302, STPAUL, instruction

mode: Classroom; Meets with: 24018 BBE 5414; Huelman, Patrick Henry, 4 cr

4491 Senior Topics: Independent Study

(max crs 4; prereq sr, instr consent)

18382 001 IND, instruction mode: Classroom, 1-4 cr

4535 Assessment and Diagnosis of Impaired Waters

(Credit will not be granted if credit has been received for: BBE 5535; A-F; prereq Upper division CSE or CFANS or CBS student or instr consent)

20862 001 LEC, 08:45am-10:00am TTh, BorH 365, STPAUL, instruction mode: Classroom; Meets with: 19823 BBE 5535; Magner, Joe A; Nieber, John Little, 3 cr

4608 Environmental and Industrial Microbiology

(Credit will not be granted if credit has been received for: BBE 5608; A-F; prereq [BIOL 1001 or BIOL 1009], CHEM 1011)

25269 001 LEC, 01:30pm-02:45pm TTh, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 25270 BBE 5608; Schilling, Jonathan Scott, 3 cr

4744 Engineering Principles for Biological Scientists

(Credit will not be granted if credit has been received for: FSCN 4331; A-F only; prereq [Math 1142 or Math 1271], Phys 1101; intended for non engineering students)

001 LEC, 08:45am-10:00am TTh, BioAgEng 106, STPAUL, instruction mode: Classroom; ABBAS, Abdennour

18366 002 LAB, 12:50pm-03:50pm Th, FScN 150, STPAUL, instruction mode: Classroom; Smith, David Eugene, 4 cr

4801H Honors Research

(A-F only; prereq BBE upper div honors, instr consent; meets HON req of Honors)

18383 001 IND, instruction mode: Classroom, 2 cr

4802H Honors Research

(A-F only; prereq BBE upper div honors, instr consent; meets HON req of Honors)

18384 001 IND, instruction mode: Classroom, 2 cr

4900 Intern Reports

(max crs 4; S-N only; prereq [CSE or CFANS] student in BBE, instr consent)

18367 001 FWK, instruction mode: Classroom, 2 cr

5001 Chemistry of Biomass and Biomass Conversion to Fuels and Products

(Credit will not be granted if credit has been received for: BBE 4001; A-F only; prereq Grad student or instr consent)

18385 001 LEC, 12:50pm-01:40pm MWF, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 18378 BBE 4001, 17342 CHEM 4001; Tschirner, Ulrike Waltrau, 4 cr

5023 Process Control and Instrumentation

(Credit will not be granted if credit has been received for: BBE 4023W; prereq Grad student or instr consent)

001 LEC, 12:50pm-01:40pm MW, BioAgEng 106, STPAUL, instruction mode: Classroom; Meets with: 18362 BBE 4023W; Janni, Kevin A

25214 002 LAB, 12:50pm-02:30pm F, BioAgEng 105, STPAUL, instruction mode: Classroom; Meets with: 18363 BBE 4023W; Janni, Kevin A, 3 cr

25215 003 LAB, 02:45pm-04:25pm F, BioAgEng 105, STPAUL, instruction mode: Classroom; Meets with: 22623 BBE 4023W; Janni, Kevin A, 3 cr

25216 004 LAB, 12:50pm-02:30pm Th, BioAgEng 105, STPAUL, instruction mode: Classroom; Meets with: 25212 BBE 4023W; Janni, Kevin A, 3 cr

5095 Special Problems

(max crs 5; prereq instr consent)

18368 001 IND, instruction mode: Classroom, 1-5 cr

5301 Applied Surface and Colloid Science

(Credit will not be granted if credit has been received for: BBE 4301; prereq Grad student or instr consent)

25221 001 LEC, 01:30pm-02:45pm TTh, HodsonH 490, STPAUL, instruction mode: Classroom; Meets with: 25220 BBE 4301; Severtson, Steve John, 3 cr

5401 Bioproducts Engineering

(A-F only; prereq Grad student or instr consent)

001 LEC, 11:45am-12:35pm TTh, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 18379 BBE

4401; Wang, Ping; Ramaswamy, Shri; Huang PhD, Huajiang

19891 002 DIS, 11:45am-12:35pm F, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 19890 BBE 4401; Wang, Ping; Huang PhD, Huajiang; Ramaswamy, Shri, 3 cr

5403 Bio-based Products Engineering Lab II

(Credit will not be granted if credit has been received for: BBE 4403; A-F only; prereq Grad student or instr consent)

18387 001 LAB, 08:30am-10:30am W, KaufL 60, STPAUL, instruction mode: Classroom; Meets with: 18380 BBE 4403; Tze, William Tai Yin, 1 cr

5404 Biopolymers and Biocomposites Engineering

(Credit will not be granted if credit has been received for: BBE 4404; A-F only; prereq grad student or instr consent)

25219 001 LEC, 10:15am-11:30am TTh, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 25218 BBE 4404; Tze, William Tai Yin, 3 cr

5407 Sustainable Manufacturing Principles and Practices

(Credit will not be granted if credit has been received for: BBE 4407W; A-F; prereq Grad student or instr consent)

18389 001 LEC, 10:40am-12:35pm MW, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 18381 BBE 4407W; Espinoza, Omar A, 3 cr

5414 Advanced Residential Building Science

(Credit will not be granted if credit has been received for: BBE 4414; prereq Grad student or instr consent)

24018 001 LEC, 08:45am-10:00am TTh, KaufL 302, STPAUL, 08:45am-11:15am F, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 24016 BBE 4414; Huelman, Patrick Henry, 4 cr

5503 Marketing of Bio-based Products

(Credit will not be granted if credit has been received for: BBE 3503; A-F only; prereq Grad student or instr consent)

18390 001 LEC, 12:50pm-02:30pm MW, BioAgEng 308, STPAUL, instruction mode: Classroom; Meets with: 18377 BBE 3503; Smith, Tim, 4 cr

5513 Watershed Engineering

(A-F only; prereq 3023, upper div CSE)

001 LEC, 11:45am-12:35pm TTh, BioAgEng 106, STPAUL, instruction mode: Classroom; Wilson, Bruce Nord

18370 002 LAB, 02:55pm-05:25pm Th, BioAgEng 106, STPAUL, instruction mode: Classroom; Wilson, Bruce Nord, 3 cr

5535 Assessment and Diagnosis of Impaired Waters

(Credit will not be granted if credit has been received for: BBE 4535; A-F; prereq Grad student or instr consent)

19823 001 LEC, 08:45am-10:00am TTh, BorH 365, STPAUL, instruction mode: Classroom; Meets with: 20862 BBE 4535; Magner, Joe A; Nieber, John Little, 3 cr

5608 Environmental and Industrial Microbiology

(Credit will not be granted if credit has been received for: BBE 4608; A-F; prereq [BIOL 1001 or BIOL 1009], CHEM 1011)

25270 001 LEC, 01:30pm-02:45pm TTh, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 25269 BBE 4608; Schilling, Jonathan Scott, 3 cr

8001 Seminar I

(A-F)

18371 001 LEC, 01:55pm-03:55pm M, GrnH 203, STPAUL, instruction mode: Classroom; Sarkanen, Simo, 1 cr

8013 Parameter Estimation in Biosystems and Agricultural Engineering

(A-F only; prereq Stat 3021 or equiv, computer programming course)

27401 001 LEC, 08:30am-09:20am MWF, BioAgEng 106, STPAUL, instruction mode: Classroom; Wilson, Bruce Nord, 3 cr

8300 Research Problems

(max crs 10; 10 repeats allowed; prereq instr consent)

18395 001 IND, instruction mode: Classroom, 1-10 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

18578 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

18579 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

18580 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

18581 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

18582 001 IND, instruction mode: Classroom, 1-24 cr

BUSINESS ADMINISTRATION (BA)2-190 Hanson Hall, 1925 4th St S, West Bank Campus, Minneapolis, MN, 55455
612/624-3313, <http://www.csom.umn.edu>**999 Immersion Core**

(A-F; prereq Microecon, macroecon, calculus, accounting, statistics, Carlson School [soph or jr])

31336 001 LEC, 08:15am-09:30am TTh, HMH 1-104, 09:45am-11:00am TTh, HMH 1-104, 08:15am-09:30am MW, HMH 1-102, 09:45am-11:00am MW, HMH 1-102, instruction mode: Classroom; MGMT 3004, SCO 3001, FINA 3001 & MKTG 3001. Reserved for CSOM I-Core registration. MW classes meet in Hanson 1102. TTH classes meet in Hanson 1104. View block schedule at: Undergraduate Immersion Core, 12 cr

31337 002 LEC, 01:00pm-02:15pm TTh, HMH 1-104, 02:30pm-03:45pm TTh, HMH 1-104, 01:00pm-02:15pm MW, HMH 1-102, 02:30pm-03:45pm MW, HMH 1-102, instruction mode: Classroom; MGMT 3004, SCO 3001, FINA 3001 & MKTG 3001. Reserved for CSOM I-Core registration. MW classes meet in Hanson 1102. TTH classes meet in Hanson 1104. View block schedule at: Undergraduate Immersion Core, 12 cr

31338 003 LEC, 01:00pm-02:15pm TTh, HMH 1-102, 02:30pm-03:45pm TTh, HMH 1-104, 01:00pm-02:15pm MW, HMH 1-104, 02:30pm-03:45pm MW, HMH 1-104, instruction mode: Classroom; FINA 3001, MKTG 3001, MGMT 3004 & SCO 3001. Reserved for CSOM I-Core registration. MW classes meet in Hanson 1104. TTH classes meet in Hanson 1102. View block schedule at: Undergraduate Immersion Core, 12 cr

3000 Career Skills

(S-N; prereq CSOM [soph or upper div] major, MACC, MBT)

22150 001 LEC, 01:45pm-03:00pm M, CarlSMgmt L-126, instruction mode: Classroom, 1 cr
14569 002 LEC, 04:00pm-05:15pm M, CarlSMgmt L-126, instruction mode: Classroom, 1 cr
14567 003 LEC, 08:15am-09:30am T, CarlSMgmt L-126, instruction mode: Classroom, 1 cr
14568 004 LEC, 09:55am-11:10am T, CarlSMgmt L-126, instruction mode: Classroom, 1 cr
14958 005 LEC, 01:45pm-03:00pm W, CarlSMgmt L-126, instruction mode: Classroom, 1 cr
15097 006 LEC, 04:00pm-05:15pm W, CarlSMgmt L-126, instruction mode: Classroom, 1 cr
18241 007 LEC, 09:55am-11:10am Th, CarlSMgmt L-126, instruction mode: Classroom, 1 cr
18242 008 LEC, 09:55am-11:10am F, CarlSMgmt L-126, instruction mode: Classroom, 1 cr**3998 Independent Study**

(max crs 12; 3 repeats allowed; prereq CSOM upper div, instr consent)

13477 001 IND, instruction mode: Classroom, 1-4 cr

3999 Internship Seminar

(max crs 3; 3 repeats allowed; S-N; prereq Approved internship, instr consent)

20790 001 IND, instruction mode: Classroom, 1 cr

4501 Carlson Funds Enterprise: Growth

(max crs 6; OPN; prereq Concurrent registration is required (or allowed) in MBA 6501, CSOM [jr or sr], approved application)

18425 001 FWK, 08:00am-09:40am TTh, CarlSMgmt 1-132, instruction mode: Classroom; concurrent with MBA 6501; Meets with: 15206 MBA 6501; Nantell, Timothy J, 3 cr

4502 Carlson Funds Enterprise: Fixed Income

(max crs 6; OPN; prereq Concurrent registration is required (or allowed) in MBA 6502, CSOM [jr or sr], approved application)

18426 001 FWK, 08:00am-09:40am TTh, CarlSMgmt 1-135, instruction mode: Classroom; concurrent with MBA 6502; Meets with: 15207 MBA 6502; Nelson, Rick, 3 cr

4503 Carlson Ventures Enterprise

(max crs 6; 3 repeats allowed; OPN; prereq Concurrent registration is required (or allowed) in MBA 6503, CSOM [jr or sr], approved application)

18428 001 FWK, 08:00am-09:40am TTh, CarlSMgmt 1-142, instruction mode: Classroom; concurrent with MBA 6503; Meets with: 15208 MBA 6503, 2 cr

4504 Carlson Consulting Enterprise

(max crs 6; OPN; prereq Concurrent registration is required (or allowed) in MBA 6504, CSOM [jr or sr], approved application)

18429 001 FWK, 08:00am-09:40am TTh, CarlSMgmt 1-143, instruction mode: Classroom; concurrent with MBA 6504; Meets with: 15209 MBA 6504, 3 cr

4505 Brand Enterprise

(max crs 6; OPN; prereq Concurrent registration is required (or allowed) in MBA 6505, CSOM [jr or sr], approved application)

18430 001 FWK, 08:00am-09:40am TTh, CarlSMgmt 2-233, instruction mode: Classroom; concurrent with MBA 6505; Meets with: 17784 MBA 6505; Hopkins, David K, 3 cr

4990H Honors Thesis Seminar I

(A-F; prereq CSOM honors, 2nd sem jr; meets HON req of Honors)

20332 001 LEC, 03:45pm-05:25pm M, CarlSMgmt L-118, instruction mode: Classroom, 2 cr

4994H Directed Research

(max crs 4; A-F; prereq Honors; meets HON req of Honors)

19932 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14082 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14200 001 IND, instruction mode: Classroom, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13720 001 IND, instruction mode: Classroom, 1-24 cr

BUSINESS LAW (BLaw)3-110 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-6506, <http://www.csom.umn.edu>**3058 The Law of Contracts and Agency**

(A-F only; prereq 40 or more credits)

12973 001 DIS, 08:00am-09:40am MW, HMH 1-105, instruction mode: Classroom, 4 cr

12974 002 DIS, 10:10am-11:50am MW, HMH 1-105, instruction mode: Classroom, 4 cr

12975 1020 DIS, 05:45pm-09:05pm W, HMH 1-104, instruction mode: Classroom, 4 cr

6158 The Law of Contracts and Agency

(A-F; prereq MBA student)

24046 1060 LEC, 05:45pm-09:05pm Th, CarlSMgmt 2-215, instruction mode: Classroom; 15 seats reserved for MBA day student; 50 seats reserved for PTMBA student, 4 cr

CENTER FOR ALLIED HEALTH PROGRAMS (CAHP)15-194 PWB (MMC 714), 516 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-8936, <http://www.cahp.umn.edu/>**5110 Foundations of Interprofessional****Communication and Collaboration**

(S-N; prereq Enrolled CLSP or OT student)

21028 001 LEC, 01:00pm-04:00pm F, Room TBA, ROCHESTER, 01:30pm-03:30pm F, Room TBA, ROCHESTER, 01:30pm-03:30pm F, Room TBA, ROCHESTER, 01:30pm-03:30pm F, Room TBA, ROCHESTER, 01:30pm-03:30pm F, Room TBA, ROCHESTER, instruction mode: Classroom; *****This section is for OCCUPATIONAL THERAPY students assigned to the Rochester campus.; Ruskin, Lorna Marie, 1 cr

21029 002 LEC, 01:00pm-04:00pm F, . ROOM-TBA, 01:30pm-03:30pm F, . ROOM-TBA, 01:30pm-03:30pm F, . ROOM-TBA, 01:30pm-03:30pm F, . ROOM-TBA, 01:30pm-03:30pm F, . ROOM-TBA, instruction mode: Classroom; *****This section is for OCCUPATIONAL THERAPY students assigned to the Twin Cities campus.; Ruskin, Lorna Marie, 1 cr

21030 003 LEC, 01:00pm-04:00pm F, Room TBA, ROCHESTER, 01:30pm-03:30pm F, Room TBA, ROCHESTER, 01:30pm-03:30pm F, Room TBA, ROCHESTER, 01:30pm-03:30pm F, Room TBA, ROCHESTER, instruction mode: Classroom; *****This section is for CLINICAL LABORATORY SCIENCES PROGRAM students assigned to the Rochester campus.; Ruskin, Lorna Marie, 1 cr

21031 004 LEC, 01:00pm-04:00pm F, . ROOM-TBA, 01:30pm-03:30pm F, . ROOM-TBA, 01:30pm-03:30pm F, . ROOM-TBA, 01:30pm-03:30pm F, . ROOM-TBA, 01:30pm-03:30pm F, . ROOM-TBA, instruction mode: Classroom; *****This section is for CLINICAL LABORATORY SCIENCES PROGRAM students assigned to the Twin Cities campus.; Ruskin, Lorna Marie, 1 cr

CENTER FOR LEARNING INNOVATION (CLI)**1196 National Student Exchange: Plan A**

(3 repeats allowed; S-N)

22940 001 LEC, instruction mode: Classroom; Email Brett Schieve to obtain a permission number for this course: bschieve@r.umn.edu.; Schieve, Brett Edwin, 0 cr

1296 National Student Exchange: Plan B

(3 repeats allowed; S-N)

22941 001 IND, instruction mode: Classroom; Email Brett Schieve to obtain a permission number for this course: bschieve@r.umn.edu.; Schieve, Brett Edwin, 0 cr

1393 Directed Study

(max crs 6; prereq instr consent , dept consent; Only Rochester-admitted students will be able to enroll in this course.)

19958 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr
26637 002 IND, instruction mode: Classroom, 1-3 cr**1711 University Experience I**

(S-N only; prereq Admitted to Bachelor of Science in Health Sciences (BSHS); Only Rochester-admitted students will be able to enroll in this course.)

19835 001 LEC, 02:30pm-03:20pm W, USq 318, ROCHESTER, instruction mode: Classroom; Nelson, Grace Czolgosz, 1 cr
19836 002 LEC, 02:30pm-03:20pm W, USq 337, ROCHESTER, instruction mode: Classroom, 1 cr
21826 003 LEC, 03:35pm-04:25pm W, USq 318, ROCHESTER, instruction mode: Classroom, 1 cr

19837 004 LEC, 03:35pm-04:25pm W, USq 337, ROCHESTER, instruction mode: Classroom; Taylor, Marquis Demetrius, 1 cr
 21721 005 LEC, 01:25pm-02:15pm W, USq 382, ROCHESTER, instruction mode: Classroom, 1 cr
 32630 006 LEC, 01:25pm-02:15pm W, USq 318, ROCHESTER, instruction mode: Classroom; Hooke, Jennifer, 1 cr
 32631 007 LEC, 04:40pm-05:30pm W, USq 314, ROCHESTER, instruction mode: Classroom, 1 cr
 32632 008 LEC, instruction mode: Classroom; This is a special section for transfer students only. Please contact your student success coach for a permission number., 1 cr

2522 Community Collaboratory (A-F)

001 LEC, 03:45pm-05:00pm M, 318Com 7, ROCHESTER, instruction mode: Classroom; This is a hybrid course. Please expect to utilize time outside of this schedule for participation in online forums, community-based work, and arranged meetings with instructors. There may be 1-3 scheduled evening meetings with required attendance, and those dates will be included on the syllabus and provided the first day of class.
 25095 002 DIS, 08:40am-09:55am W, USq 317, ROCHESTER, instruction mode: Classroom, 3 cr
 32623 003 DIS, 03:45pm-05:00pm W, 318Com 7, ROCHESTER, instruction mode: Classroom, 3 cr

2713 Career Exploration in the Health Sciences

(S-N only; prereq 1712 or instr consent)
 32614 001 LEC, 02:55pm-03:45pm Th, 318Com 10, ROCHESTER, instruction mode: Classroom; Eiden, Steph, 1 cr
 32615 002 LEC, 02:55pm-03:45pm Th, 318Com 7, ROCHESTER, instruction mode: Classroom; Ribikawskis, Anna M, 1 cr

3393 Directed Study

(max crs 6; prereq instr consent, dept consent)
 21217 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 26644 002 IND, instruction mode: Classroom, 1-3 cr
 26641 003 IND, instruction mode: Classroom, 1-3 cr
 26642 004 IND, instruction mode: Classroom, 1-3 cr
 26643 005 IND, instruction mode: Classroom, 1-3 cr

3394 Directed Research

(max crs 6; 4 repeats allowed; prereq instr consent, dept consent)
 21213 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr
 26644 002 IND, instruction mode: Classroom, 1-6 cr
 26645 003 IND, instruction mode: Classroom, 1-6 cr
 26913 004 IND, instruction mode: Classroom, 1-6 cr

3496 Internship: Professional Experience

(max crs 12; S-N only; prereq instr consent, dept consent, acceptance of internship proposal)
 24659 001 FWK, instruction mode: Classroom, 1-6 cr

3711 Career Preparation

(max crs 4; 4 repeats allowed; S-N only; prereq CLI 2712 or instr consent)
 21794 001 LEC, 08:40am-09:30am T, 318Com 7, ROCHESTER, instruction mode: Classroom; This section has practice exams on two Saturday dates to prepare students for success on the actual placement exams. Please ensure you are available on these dates -
 21806 002 LEC, 08:40am-09:30am T, 318Com 7, ROCHESTER, instruction mode: Classroom; This section has practice exams on two Saturday dates to prepare students for success on the actual placement exams. Please ensure you are available on these dates -
 21809 003 LEC, 08:40am-09:30am T, 318Com 7, ROCHESTER, instruction mode: Classroom; This section has practice exams on two Saturday dates to prepare students for success on the actual placement exams. Please ensure you are available on these dates -
 24160 004 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; This completely online course runs during the 2nd 7 week session. The topic for this course is "Orientation for Learning Away"; Schieve, Brett Edwin, 1 cr; Orientation for Learning Away
 22838 005 LEC, 05:00pm-05:50pm M, USq 314, ROCHESTER, 05:00pm-05:50pm M, Room TBA, ROCHESTER, instruction mode: Classroom; Duke, Samantha Kay, 1 cr; Living on Purpose
 32602 006 LEC, 03:35pm-05:15pm W, USq 382, ROCHESTER, 09/09/15-09/09/15, 03:35pm-05:15pm W, USq 382, ROCHESTER, 09/23/15-09/23/15, 03:35pm-05:15pm W, USq 382, ROCHESTER, 10/07/15-10/07/15, 03:35pm-05:15pm W, USq 382, ROCHESTER, 10/21/15-10/21/15, 03:35pm-05:15pm W, USq 382, ROCHESTER, 11/04/15-11/04/15,

03:35pm-05:15pm W, USq 382, ROCHESTER, 11/18/15-11/18/15, 03:35pm-05:15pm W, USq 382, ROCHESTER, 12/02/15-12/02/15, 03:35pm-05:15pm W, USq 382, ROCHESTER, 12/16/15-12/16/15, instruction mode: Classroom; Please note, the meeting location for this course may not always be at UMR. Please review the syllabus on the first day of class for specific details on this or contact the instructor with questions.; Wright-Peterson PhD, Virginia M, 1 cr; The Healing Nature of Plants
 26028 007 LEC, instruction mode: Classroom, 1 cr

3712 Capstone Proposal Writing

(S-N only; prereq 2713 or instr consent)
 21892 001 LEC, 03:00pm-04:00pm Th, USq 317, ROCHESTER, instruction mode: Classroom; Duke, Samantha Kay; Taniguchi, Yuko, 1 cr

4393 Capstone Directed Study

(max crs 6; S-N; prereq instr consent, dept consent)
 24230 001 IND, instruction mode: Classroom; Aryal, Bijaya, 1-3 cr
 24231 002 IND, instruction mode: Classroom; Dame, Lorraine Frances, 1-3 cr
 25053 003 IND, instruction mode: Classroom; Dingel, Molly J., 1-3 cr
 25054 004 IND, instruction mode: Classroom; Dunbar, Robert Lee, 1-3 cr
 34086 005 IND, instruction mode: Classroom; Huq, Aminul, 1-3 cr
 34087 006 IND, instruction mode: Classroom; Kostko, Aaron Thomas, 1-3 cr
 34088 007 IND, instruction mode: Classroom; Metzger, Kelsey Jean, 1-3 cr
 34089 008 IND, instruction mode: Classroom; Muthyala, Rajeev S., 1-3 cr
 34090 009 IND, instruction mode: Classroom; Nichols, Marcia Dawn, 1-3 cr
 34091 010 IND, instruction mode: Classroom; Petzold, Andy M, 1-3 cr
 34092 011 IND, instruction mode: Classroom; Prat-Resina, Xavier, 1-3 cr
 34093 012 IND, instruction mode: Classroom; Sage PhD, Starr Kelly, 1-3 cr
 34094 013 IND, instruction mode: Classroom; Terrell, Cassidy R., 1-3 cr
 34095 014 IND, instruction mode: Classroom; Aanerud, Marian Elaine Melby, 1-3 cr
 34096 015 IND, instruction mode: Classroom; Altrichter, Shanna L, 1-3 cr
 34097 016 IND, instruction mode: Classroom; Ballam, Christian Gary, 1-3 cr
 34098 017 IND, instruction mode: Classroom; Bampoh, Victoria Naa Kwale, 1-3 cr
 34099 018 IND, instruction mode: Classroom; Barnett, Jessie A, 1-3 cr
 34100 019 IND, instruction mode: Classroom; Bright, Jered Bryan, 1-3 cr
 34101 020 IND, instruction mode: Classroom; Bruenger, Aaron Michael, 1-3 cr
 34102 021 IND, instruction mode: Classroom; Butani, Deepali, 1-3 cr
 34103 022 IND, instruction mode: Classroom, 1-3 cr
 34104 023 IND, instruction mode: Classroom; Ford, James Thomas, 1-3 cr
 34105 024 IND, instruction mode: Classroom; Furness, Ryan C, 1-3 cr
 34106 025 IND, instruction mode: Classroom; Haines, David Scott, 1-3 cr
 34107 026 IND, instruction mode: Classroom; Hall, Eric Robert, 1-3 cr
 34108 027 IND, instruction mode: Classroom; Larsen, Peter Lawrence, 1-3 cr
 34109 028 IND, instruction mode: Classroom; Lemer, Bronson John, 1-3 cr
 34110 029 IND, instruction mode: Classroom; Mondy, Brian J, 1-3 cr
 34111 030 IND, instruction mode: Classroom; Nelson, Michelle Kathleen, 1-3 cr
 34112 031 IND, instruction mode: Classroom; Norris, Adele Natasha, 1-3 cr
 34113 032 IND, instruction mode: Classroom; Olson, Rachel Lee, 1-3 cr
 34114 033 IND, instruction mode: Classroom; Puntì, Gemma, 1-3 cr
 34115 034 IND, instruction mode: Classroom; Silveira, Michael Allen, 1-3 cr
 34116 035 IND, instruction mode: Classroom; Taniguchi, Yuko, 1-3 cr
 34117 036 IND, instruction mode: Classroom; Henderson Vazquez, Teresa A, 1-3 cr
 34118 037 IND, instruction mode: Classroom; Wacek, Jennifer A, 1-3 cr
 34119 038 IND, instruction mode: Classroom; Walia, Rajeev, 1-3 cr
 34120 039 IND, instruction mode: Classroom; Wilson, Marie Linner, 1-3 cr

34121 040 IND, instruction mode: Classroom; Winchup, James E, 1-3 cr
 34122 041 IND, instruction mode: Classroom; Wollschlager, Jenny, 1-3 cr
 34123 042 IND, instruction mode: Classroom; Wright, Jake, 1-3 cr
 34124 043 IND, instruction mode: Classroom; Wright-Peterson PhD, Virginia M, 1-3 cr

4496 Capstone Internship

(max crs 36; 3 repeats allowed; S-N; prereq [Concurrent registration is required (or allowed) in 4711 or 4712], acceptance of capstone proposal)
 24229 001 FWK, instruction mode: Classroom; Taniguchi, Yuko, 1-12 cr

4696 Capstone Research Experience

(max crs 24; 3 repeats allowed; S-N only; prereq [Concurrent registration is required (or allowed) in 4712 or 4712], acceptance of capstone proposal)
 25076 001 IND, instruction mode: Classroom; Aryal, Bijaya, 1-12 cr
 25077 002 IND, instruction mode: Classroom; Dame, Lorraine Frances, 1-12 cr
 25078 003 IND, instruction mode: Classroom; Dingel, Molly J., 1-12 cr
 34150 004 IND, instruction mode: Classroom; Dunbar, Robert Lee, 1-12 cr
 34151 005 IND, instruction mode: Classroom; Huq, Aminul, 1-12 cr
 34152 006 IND, instruction mode: Classroom; Kostko, Aaron Thomas, 1-12 cr
 34153 007 IND, instruction mode: Classroom; Metzger, Kelsey Jean, 1-12 cr
 34154 008 IND, instruction mode: Classroom; Muthyala, Rajeev S., 1-12 cr
 34155 009 IND, instruction mode: Classroom; Nichols, Marcia Dawn, 1-12 cr
 34156 010 IND, instruction mode: Classroom; Petzold, Andy M, 1-12 cr
 34157 011 IND, instruction mode: Classroom; Prat-Resina, Xavier, 1-12 cr
 34158 012 IND, instruction mode: Classroom; Sage PhD, Starr Kelly, 1-12 cr
 34159 013 IND, instruction mode: Classroom; Terrell, Cassidy R., 1-12 cr
 34160 014 IND, instruction mode: Classroom; Aanerud, Marian Elaine Melby, 1-12 cr
 34161 015 IND, instruction mode: Classroom; Altrichter, Shanna L, 1-12 cr
 34162 016 IND, instruction mode: Classroom; Ballam, Christian Gary, 1-12 cr
 34163 017 IND, instruction mode: Classroom; Bampoh, Victoria Naa Kwale, 1-12 cr
 34164 018 IND, instruction mode: Classroom; Barnett, Jessie A, 1-12 cr
 34165 019 IND, instruction mode: Classroom; Bright, Jered Bryan, 1-12 cr
 34166 020 IND, instruction mode: Classroom; Bruenger, Aaron Michael, 1-12 cr
 34167 021 IND, instruction mode: Classroom; Butani, Deepali, 1-12 cr
 34168 022 IND, instruction mode: Classroom, 1-12 cr
 34169 023 IND, instruction mode: Classroom; Ford, James Thomas, 1-12 cr
 34170 024 IND, instruction mode: Classroom; Furness, Ryan C, 1-12 cr
 34171 025 IND, instruction mode: Classroom; Haines, David Scott, 1-12 cr
 34172 026 IND, instruction mode: Classroom; Hall, Eric Robert, 1-12 cr
 34173 027 IND, instruction mode: Classroom; Larsen, Peter Lawrence, 1-12 cr
 34174 028 IND, instruction mode: Classroom; Lemer, Bronson John, 1-12 cr
 34175 029 IND, instruction mode: Classroom; Mondy, Brian J, 1-12 cr
 34176 030 IND, instruction mode: Classroom; Nelson, Michelle Kathleen, 1-12 cr
 34177 031 IND, instruction mode: Classroom; Norris, Adele Natasha, 1-12 cr
 34178 032 IND, instruction mode: Classroom; Olson, Rachel Lee, 1-12 cr
 34179 033 IND, instruction mode: Classroom; Puntì, Gemma, 1-12 cr
 34180 034 IND, instruction mode: Classroom; Silveira, Michael Allen, 1-12 cr
 34181 035 IND, instruction mode: Classroom; Taniguchi, Yuko, 1-12 cr
 34182 036 IND, instruction mode: Classroom; Henderson Vazquez, Teresa A, 1-12 cr
 34183 037 IND, instruction mode: Classroom; Wacek, Jennifer A, 1-12 cr
 34184 038 IND, instruction mode: Classroom; Walia, Rajeev, 1-12 cr
 34185 039 IND, instruction mode: Classroom; Wilson, Marie Linner, 1-12 cr

34186 040 IND, instruction mode: Classroom; Winchip, James E, 1-12 cr
 34187 041 IND, instruction mode: Classroom; Wollschlager, Jenny, 1-12 cr
 34188 042 IND, instruction mode: Classroom; Wright, Jake, 1-12 cr
 34189 043 IND, instruction mode: Classroom; Wright-Peterson PhD, Virginia M, 1-12 cr

4711 Capstone Reflections I

(S-N; prereq 3712 or instr consent)
 22670 001 LEC, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 09/15/15-09/15/15, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 10/27/15-10/27/15, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 11/10/15-11/10/15, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 11/24/15-11/24/15, instruction mode: Classroom; Students will be required to present and attend peer presentations near the end of the semester; dates will be determined with students at the beginning of Fall semester.; Taniguchi, Yuko, 1 cr
 22671 002 LEC, instruction mode: Correspondence; Students will be required to present and attend peer presentations near the end of the semester; dates will be determined with students at the beginning of Fall semester., 1 cr

4712 Capstone Reflections II

(S-N; prereq 4711 or instr consent)
 24162 001 LEC, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 09/15/15-09/15/15, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 10/27/15-10/27/15, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 11/10/15-11/10/15, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 11/24/15-11/24/15, instruction mode: Classroom; Students will be required to present and attend peer presentations near the end of the semester; dates will be determined with students at the beginning of Fall semester.; Taniguchi, Yuko, 1 cr
 24163 002 LEC, instruction mode: Correspondence; Students will be required to present and attend peer presentations near the end of the semester; dates will be determined with students at the beginning of Fall semester.; Taniguchi, Yuko, 1 cr

4713 Capstone Reflections I and II

(S-N)
 22743 001 LEC, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 09/15/15-09/15/15, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 10/27/15-10/27/15, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 11/10/15-11/10/15, 04:00pm-05:00pm T, 318Com 7, ROCHESTER, 11/24/15-11/24/15, instruction mode: Classroom; Students will be required to present and attend peer presentations near the end of the semester; dates will be determined with students at the beginning of Fall semester.; Taniguchi, Yuko, 2 cr
 22938 002 LEC, instruction mode: Correspondence; Students will be required to present and attend peer presentations near the end of the semester; dates will be determined with students at the beginning of Fall semester.; Metzger, Kelsey Jean; Taniguchi, Yuko, 2 cr

4896 Capstone Certificate in Health Professions

(max crs 30; 3 repeats allowed; prereq [Concurrent registration is required (or allowed) in 4711 or Concurrent registration is required (or allowed) in 4712], acceptance of capstone proposal, full-time enrollment in certificate program)
 23012 001 IND, 08/07/15-06/15/16, instruction mode: Independent/Directed Studies, 1-15 cr

CENTER FOR SPIRITUALITY AND HEALING (CSpH)

Mayo Code 505; C592 Mayo, 420 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455
 612/624-9459, <http://www.csh.umn.edu>

1001 Principles of Holistic Health and Healing

17247 001 LEC, instruction mode: Correspondence; Brady, Linda J, 2 cr

3001 Introduction to Integrative Healing

(prereq 60 credits or instr consent)
 24404 001 LEC, instruction mode: Correspondence; Brady, Linda J, 3 cr

3101 Creating Ecosystems of Well-Being

22913 001 LEC, instruction mode: Correspondence; Skybrook, Dylan Jay; Hathaway, Kate M, 2 cr

3201 Introduction to Mindfulness-Based Stress Reduction

18396 001 LEC, 09:05am-11:00am T, Mayo B393_MEDIT, 09/29/15-12/15/15, 09:30am-04:30pm S, Mayo B393_MEDIT, 11/21/15-11/21/15, instruction mode: Classroom; Meets Tues 9:05-11:00 with one all day retreat 9:30-4:30 on Saturday, November 21.; Storlie, Erik Fraser, 2 cr
 20805 002 LEC, 09:05am-11:00am W, Mayo B393_MEDIT, 09:30am-04:30pm Su, Mayo B393_MEDIT, 11/08/15-11/08/15, instruction mode: Classroom; Meets Wed 9:05-11:00 with one all day retreat 9:30-4:30 on Sunday, November 8.; Haley, Alex, 2 cr
 31372 003 LEC, 12:20pm-02:15pm W, Mayo B393_MEDIT, 09/30/15-12/16/15 Su, Mayo B393_MEDIT, 11/22/15-11/22/15, instruction mode: Classroom; Meets Wed 12:20-2:15 with one all day retreat 9:30-4:30--Sunday, November 22.; Storlie, Erik Fraser, 2 cr

3211 Living on Purpose: An Exploration of Self, Purpose, and Community

(prereq 30+ credits completed or instr consent)
 26251 001 LEC, 12:30pm-04:30pm F, Room TBA, TCEASTBANK, 09/11/15-09/11/15, 12:30pm-03:30pm F, Mayo B393_MEDIT, 10/23/15-10/23/15, 12:30pm-04:30pm F, Mayo B393_MEDIT, 12/11/15-12/11/15, instruction mode: Primarily Online; Course meets primarily online with 3 in-person meetings on Fridays 12:30-4:30: 9/11, 10/23 & 12/11 in room B393 Mayo Meditation Space. Prerequisite: Must have 30+ credits completed (or instructor consent), undergraduates only.; Broad, Carole Anne, 2 cr
 26252 002 LEC, 01:00pm-05:00pm Su, Room TBA, TCEASTBANK, 09/13/15-09/13/15, 02:00pm-05:00pm Su, Room TBA, TCEASTBANK, 10/25/15-10/25/15, 01:00pm-05:00pm Su, Mayo B393_MEDIT, 12/13/15-12/13/15, instruction mode: Primarily Online; Course meets primarily online with 3 in-person meetings on Sundays 1:00-5:00 pm: 9/13, 10/25 & 12/13. Prerequisite: Must have 30+ credits completed (or instructor consent), undergraduates only.; Broad, Carole Anne, 2 cr

3301 Food Choices: Healing the Earth, Healing Ourselves

(Credit will not be granted if credit has been received for: FSCN 3301)

21843 001 LEC, instruction mode: Correspondence; Brady, Linda J, 3 cr

4311 Foundations of Hatha Yoga:

Alignment & Movement Principles
(prereq [Prerequisite PsTL 1135 Essentials of Human Anatomy and Physiology or equivalent], instr consent)
 001 LEC, 02:30pm-04:25pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Enrolling in LAB section auto-enrolls in lecture. Prerequisite PSTL 1135 and DNCE 1331, or equivalents, or instructor consent.; Schuver, Katie Jo 26294 1002 LAB, 04:40pm-07:20pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Enrolling in LAB section auto-enrolls in lecture. Prerequisite PSTL 1135 and DNCE 1331, or equivalents, or instructor consent.; Schuver, Katie Jo, 3 cr

4312 Hatha Yoga Philosophy, Lifestyle, & Ethics

(prereq 4311)
 34540 1001 LAB, 04:40pm-07:20pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Enrolling in LAB section auto-enrolls in lecture. Prerequisite CSpH 4311., 3 cr
 002 LEC, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, instruction mode: Classroom

5101 Introduction to Integrative Healing Practices

(prereq Jr or sr or grad student; or instructor consent)
 14229 001 LEC, 09/08/15-10/30/15, 08:30am-04:30pm Th, Mayo B393_MEDIT, 09/10/15-09/10/15, 08:30am-04:30pm Th, Mayo B393_MEDIT, 10/22/15-10/22/15, instruction mode: Primarily Online; Primarily online with 2 in-person meetings 8:30-4:30 on 9/10 & 10/22.; Culliton, Patricia D, 3 cr
 21954 002 LEC, 09/08/15-10/30/15, instruction mode: Correspondence; Course will take place completely online.; 15 seats reserved for Graduate Student; Culliton, Patricia D; Chambers, Paula Marie, 3 cr

5102 Art of Healing: Self as Healer

(prereq Jr or sr or grad student or instr consent)
 20095 001 LEC, 08:30am-04:30pm F, Mayo B393_MEDIT, 09/18/15-09/18/15, 08:30am-04:30pm F, Mayo

B393_MEDIT, 10/02/15-10/02/15, instruction mode: Classroom; Meets two full Fridays 8:30-4:30: Sept 18 & Oct 2 in B393 Mayo Meditation Space.; Halcon PhD, Linda Luciente, 1 cr
 34799 002 LEC, 08:30am-04:30pm F, Mayo B393_MEDIT, 10/16/15-10/16/15, 08:30am-04:30pm F, Mayo B393_MEDIT, 10/30/15-10/30/15, instruction mode: Classroom; Meets two full Fridays 8:30-4:30: Oct 16 & Oct 30 in B393 Mayo Meditation Space.; Kubes, Laurie Frances, 1 cr
 34818 004 LEC, 09:00am-05:00pm Su, . NORMREQD, 01/10/16-01/10/16, 09:00am-05:00pm Th, . NORMREQD, 01/14/16-01/14/16, instruction mode: Classroom; This course is part of a series of travel courses held on the Big Island of Hawaii January 2-16, 2016. Please email fider002@umn.edu for more details about registration and course fee information.; Culliton, Patricia D, 1 cr

5111 Ways of Thinking about Health

(S-N only; prereq [Jr, Sr, or grad student standing], instr consent)
 14230 001 LEC, 02:30pm-05:15pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; If you are prompted for a permission number please contact fider002@umn.edu. On several occasions the scheduled class time will be re-formed into field trips and on-site learning experiences. The first field trip will be to White Earth Indian Reservation. Other trips include American Academy of Acupuncture & Oriental Medicine, Dream of Wild Health, Midtown Global Market among others. While attendance is not mandatory, the experiential learning afforded by these field trips is highly valued by students and is a centerpiece of the course.; Hassel, Craig Alan, 2 cr

5211 Peacemaking and Spirituality: A Journey Toward Healing and Strength

(max crs 3; prereq Jr or sr or grad student or instr consent)
 34542 001 LEC, 06:00pm-09:00pm F, Mayo B393_MEDIT, 09/18/15-09/18/15, 09:00am-05:00pm S, Mayo B393_MEDIT, 09/19/15-09/19/15, 06:00pm-09:00pm F, Mayo B393_MEDIT, 10/02/15-10/02/15, 09:00am-05:00pm S, Mayo B393_MEDIT, 10/03/15-10/03/15, 06:00pm-09:00pm F, Mayo B393_MEDIT, 10/16/15-10/16/15, 09:00am-05:00pm S, Mayo B393_MEDIT, 10/17/15-10/17/15, 06:00pm-09:00pm F, Mayo B393_MEDIT, 10/23/15-10/23/15, 09:00am-05:00pm S, Room TBA, TCEASTBANK, 10/24/15-10/24/15, instruction mode: Classroom; Umbreit, Mark S, 2-3 cr

5225 Meditation: Integrating Body and Mind

(prereq Jr or sr or grad student or instr consent)
 15496 001 LEC, 01:25pm-04:25pm T, Mayo B393_MEDIT, 09/29/15-12/15/15, instruction mode: Classroom; Course begins on 9/29/15.; Storlie, Erik Fraser, 2 cr

5226 Advanced Meditation: Body, Brain, Mind, and Universe

(prereq [5225, [Jr or sr or grad student]] or instr consent)
 20822 001 LEC, instruction mode: Classroom; Meets by arrangement for Doctor of Nursing Practice students only. Students will simultaneously enroll in this course and one of the CSpH courses in Mindfulness-Based Stress Reduction. MBSR is an 8 week, 9 session course that meets 2 1/2 hours per week and an additional day long retreat between weeks 6 and 7. Attending MBSR constitutes the clinical/experiential portion of the course. There is no additional cost for the MBSR course. Additionally, students are required to complete on-line learning and course assignments. Email fider002@umn.edu for more information.; Kreitzer, MaryJo, 1 cr

5311 Introduction to Traditional Chinese Medicine

(A-F only; prereq Jr or sr or grad student or instr consent)
 33752 001 LEC, 10:10am-12:05pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Hafner, Christopher, 2 cr

5313 Acupressure

22915 001 LEC, 09:00am-05:00pm FS, . NORMREQD, OFFCAMPUS, 01/08/16-01/09/16, instruction mode: Classroom; This course is part of a series of travel courses held on the Big Island of Hawaii January 2-16, 2016. Please email fider002@umn.edu for more details about registration and course fee information.; Culliton, Patricia D, 1 cr

5315 Traditional Tibetan Medicine: Ethics, Spirituality, and Healing

(prereq Jr or sr or grad student or instr consent)

24416 001 LEC, 09/21/15-11/25/15, instruction mode: Correspondence; Cameron PhD, Miriam Elaine, 2 cr

5317 Yoga: Ethics, Spirituality, and Healing

34911 001 LEC, 09/28/15-11/16/15, instruction mode: Correspondence; Schuver, Katie Jo, 2 cr

5341 Overview of Indigenous Hawaiian Healing

22914 001 LEC, 09:00am-05:00pm MT, . NORMREQD, OFFCAMPUS, 01/04/16-01/05/16, 08:00am-05:00pm W, . NORMREQD, OFFCAMPUS, 01/06/16-01/06/16, instruction mode: Classroom; This course is part of a series of travel courses held on the Big Island of Hawaii January 2-16, 2016. Please email fider002@umn.edu for more details about registration and course fee information.; Kreitzer, MaryJo, 2 cr

5343 Ayurveda Medicine: The Science of Self-healing

22918 001 LEC, 04:00pm-08:30pm Th, Mayo 1250, 09/08/15-10/26/15, instruction mode: Classroom; Manvikar, Asavari, 2 cr

5421 Botanical Medicines in Integrative Healthcare

(prereq Jr or sr or grad student or instr consent)
24467 001 LEC, instruction mode: Correspondence; McKenna PhD, Dennis Jon, 3 cr

5431 Functional Nutrition: An Expanded View of Nutrition, Chronic Disease, and Optimal Health

(prereq [Jr or sr or grad student] in Health Sciences or instr consent)
26387 001 LEC, instruction mode: Correspondence; Litchy, Andrew Paul, 2 cr

5503 Aromatherapy Fundamentals

(prereq Jr or sr or grad student)
22916 001 LEC, 09:00am-05:00pm TW, . NORMREQD, 01/12/16-01/13/16, instruction mode: Classroom; This course is part of a series of travel courses held on the Big Island of Hawaii January 2-16, 2016. Please email fider002@umn.edu for more details about registration and course fee information.; Halcon PhD, Linda Luciente, 1 cr

5512 Spiritual Aspects of Palliative Care

(prereq Instructor consent)
33751 001 LEC, 04:30pm-07:30pm M, Mayo B393_MEDIT, 09/08/15-11/16/15, instruction mode: Classroom; O'Conner-Von PhD, Susan K., 2 cr

5522 Therapeutic Horticulture

(prereq 5101 or Hort 5072 or instr consent)
34727 001 LEC, 09/08/15-10/26/15, 10:00am-04:00pm S, Room TBA, STPAUL, 10/03/15-10/03/15, instruction mode: Classroom; Meets primarily online with one face-to-face meeting on Sat, Oct 3rd, 10:00am - 4:00 pm.; Larson, Jean Marie, 3 cr

5533 Introduction to Energy Healing

(prereq Jr or sr or grad student or instr consent)
19131 001 LEC, 04:40pm-06:30pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Ringdahl, Deborah Rene, 2 cr

5535 Reiki Healing

(S-N; prereq Jr or sr or grad student or instr consent)
18663 003 LEC, 09:00am-05:00pm TW, . NORMREQD, OFFCAMPUS, 01/12/16-01/13/16, instruction mode: Classroom; This course is part of a series of travel courses held on the Big Island of Hawaii January 2-16, 2016. Please email fider002@umn.edu for more details about registration and course fee information.; Ringdahl, Deborah Rene, 1 cr

5536 Advanced Reiki Healing: Level II

(S-N; prereq 5535, instr consent)
21953 001 LEC, 09:00am-05:00pm FS, . NORMREQD, OFFCAMPUS, 01/08/16-01/09/16, instruction mode: Classroom; This course is part of a series of travel courses held on the Big Island of Hawaii January 2-16, 2016. Please email fider002@umn.edu for more details about registration and course fee information. Please allow 4-6 months after CSPH 5535 Reiki Healing level 1 before registering for this level 2 course.; Ringdahl, Deborah Rene, 1 cr
26040 002 LEC, 09:00am-05:00pm SSu, Mayo B393_MEDIT, 09/12/15-09/13/15, instruction mode: Classroom; Please allow 4-6 months after CSPH 5535 Reiki Healing level 1 before registering for this level 2 course.; Ringdahl, Deborah Rene, 1 cr

5541 Emotional Healing and Happiness: Eastern and Western Approaches to Transforming the Mind

(prereq Sr or grad student or instr consent)
15497 001 LEC, 12:30pm-04:00pm M, Mayo B393_MEDIT, 09/21/15-11/09/15, 09:00am-04:30pm S, Mayo B393_MEDIT, 09/26/15-09/26/15, instruction mode: Classroom; This course is for multidisciplinary health professions. Emotional healing, compassion and spirituality in practice. Meets in 3rd floor Meditation Room in the Mayo Memorial Building.; 2 seats reserved for non-PSEO, non-admitted student; Young, Merrilee, 2 cr

5601 Music, Health and Healing

(prereq Jr or sr or grad student or instr consent)
34754 001 LEC, 09:05am-11:00am M, Room TBA, TCEASTBANK, 09/14/15-09/14/15, 09:05am-11:00am M, Mayo B393_MEDIT, 09/21/15-12/14/15, instruction mode: Classroom; Heiderscheid PhD, Annie Lynne, 2 cr

5605 Movement and Music for Well-being and Healing

22868 001 LEC, 03:00pm-09:00pm, TCEASTBANK, instruction mode: Classroom; Class dates to be determined.; Heiderscheid PhD, Annie Lynne; Nordstrom-Loeb, Barbara E, 2 cr

5701 Fundamentals of Health Coaching I

(A-F; prereq Admitted to Integrative Therapies and Healing Practice certificate program's health coaching track or instr consent)

17861 001 LEC, 01:00pm-05:00pm Th, Mayo B393_MEDIT, 10/08/15-10/08/15, 08:30am-05:00pm FS, Mayo B393_MEDIT, 10/09/15-10/10/15, 08:30am-12:30pm Su, Mayo B393_MEDIT, 10/11/15-10/11/15, 01:00pm-05:00pm Th, Mayo B393_MEDIT, 11/12/15-11/12/15, 08:30am-05:00pm FS, Mayo B393_MEDIT, 11/13/15-11/14/15, 08:30am-12:30pm Su, Mayo B393_MEDIT, 11/15/15-11/15/15, instruction mode: Partially Online; There will be a \$350 course fee. This course is for students accepted into the Post-Baccalaureate Certificate in Integrative Therapies and Healing Practices, Health Coaching Track or instructor's consent. For more information contact the Center for Spirituality and Healing fider002@umn.edu. All in person sessions meet in the Mayo 3rd floor Meditation room (B393 Mayo).; Lawson MD, Karen Lynn; Olson, Deborah Collins, 4 cr

5703 Advanced Health Coaching Practicum

(A-F; prereq 5101, 5102, 5701, 5702, admitted to Postbaccalaureate Certificate in Integrative Therapies/Healing Practices Health Coaching Track)

18589 001 FWK, 08:30am-05:00pm SSu, . NORMREQD, 09/11/15-09/12/15, 08:30am-05:00pm SSu, . NORMREQD, 11/21/15-11/22/15, instruction mode: Classroom; There is a \$300 course fee. Instructors will send details about exact schedule. Please note additional course meetings MONDAYS 9/28, 10/16, 11/9 & 11/30 from 5:30 pm - 8:30 pm. Location: C506 Mayo Memorial Building. Weekends 9/12-9/13 & 11/21-11/22 will take place at: 1660 S. Highway 100, St. Louis Park, MN 55416.; Schultz, Cindy; Stuckey, Claire Madelyn, 3 cr

5704 Business of Health Coaching

(A-F; prereq 5101, 5102, 5701, 5702, admitted to postbaccalaureate certificate in integrative therapies/healing practices health coaching track)

18614 001 LEC, 09:00am-04:00pm F, Mayo B393_MEDIT, 09/11/15-09/11/15, 09:00am-04:00pm F, Mayo B393_MEDIT, 11/20/15-11/20/15, 09/08/15-11/30/15, instruction mode: Classroom; Rae, Michele, 2 cr

5711 Optimal Healing Environments

(prereq Jr or sr or grad student or instr consent)
20804 001 LEC, 08:30am-04:30pm, 08:30am-04:30pm T, . NORMREQD, instruction mode: Classroom; Course will be partially online delivered, and meet in person for two all-day sessions--dates to be determined.; Zborowsky, Theresa Lynn, 3 cr

CHEMICAL ENGINEERING (ChEn)

151 Amundson Hall, 421 Washington Ave SE, East Bank Campus, Minneapolis, MN, 55455
612/625-1313, <http://www.cems.umn.edu>

1001 Advances in Chemical Engineering and Materials Science

(Credit will not be granted if credit has been received for: MATS 1001; max crs 2; S-N only; prereq Recommended for [chemical engineering, materials science/engineering] majors)

14279 001 LEC, 02:30pm-03:20pm Th, AmundH B75, instruction mode: Classroom; Meets with: 14280 MATS 1001; Macosko, Chris; Cheng, Xiang, 1 cr

2001 Material and Energy Balances

(A-F only; prereq Concurrent registration is required (or allowed) in CHEM 2301 or equiv., Concurrent registration is required (or allowed) in MATH 2374 or equiv., Concurrent registration is required (or allowed) in PHYS 1302 or equiv., CSE student, C- or better in all pre-reqs)

001 LEC, 03:35pm-04:25pm MWF, SmithH 100, instruction mode: Classroom; Zhang, Kechun; McCormick, Alon Victor; Macosko, Chris
19181 002 DIS, 10:10am-11:00am TTh, FordH 150, instruction mode: Classroom; Zhang, Kechun; Macosko, Chris; McCormick, Alon Victor, 4 cr
19183 003 DIS, 11:15am-12:05pm TTh, FordH 130, instruction mode: Classroom; Zhang, Kechun; McCormick, Alon Victor; Macosko, Chris, 4 cr
19184 004 DIS, 12:20pm-01:10pm TTh, FordH 130, instruction mode: Classroom; Zhang, Kechun; McCormick, Alon Victor; Macosko, Chris, 4 cr
19185 005 DIS, 03:35pm-04:25pm TTh, FordH 110, instruction mode: Classroom; Zhang, Kechun; McCormick, Alon Victor; Macosko, Chris, 4 cr
19444 006 DIS, 09:05am-09:55am TTh, FordH 110, instruction mode: Classroom; Zhang, Kechun; McCormick, Alon Victor; Macosko, Chris, 4 cr
20073 007 DIS, 08:00am-08:50am TTh, AkerH 215, instruction mode: Classroom; Zhang, Kechun; McCormick, Alon Victor; Macosko, Chris, 4 cr

3005 Transport Phenomena: Momentum and Heat

(A-F; prereq [2001 or [transfer student, dept consent]], [Math 2373 or equiv.], upper div ChEn major, C- or better in all pre-reqs)

001 LEC, 10:10am-11:00am MWF, NichH 275, instruction mode: Classroom; Dorfman, Kevin; Cheng, Xiang; Smyrl, William H
11993 002 DIS, 08:00am-08:50am TTh, AmundH 162, instruction mode: Classroom; Dorfman, Kevin; Cheng, Xiang; Smyrl, William H, 4 cr
11994 004 DIS, 10:10am-11:00am TTh, AkerH 327, instruction mode: Classroom; Dorfman, Kevin; Smyrl, William H; Cheng, Xiang, 4 cr
11995 005 DIS, 10:10am-11:00am TTh, AkerH 317, instruction mode: Classroom; Dorfman, Kevin; Cheng, Xiang; Smyrl, William H, 4 cr
11996 006 DIS, 12:20pm-01:10pm TTh, AmundH 124, instruction mode: Classroom; Dorfman, Kevin; Smyrl, William H; Cheng, Xiang, 4 cr
20514 007 DIS, 09:05am-09:55am TTh, AkerH 227, instruction mode: Classroom; Dorfman, Kevin; Cheng, Xiang; Smyrl, William H, 4 cr

3041 Industrial Assignment I

(Credit will not be granted if credit has been received for: MATS 3041; A-F; prereq ChEn upper Div, completion of required courses in ChEn prog through fall sem of 3rd yr, GPA of at least 2.80, registered in co-op prog)

17287 001 FWK, instruction mode: Classroom; Francis, Lorraine F, 2 cr

3045 Chemical Engineering Industrial Internship

(max crs 2; A-F; prereq ChEn Upper Division. GPA of at least 2.8.)

17288 001 FWK, instruction mode: Independent/Directed Studies; Francis, Lorraine F, 1 cr

3101 Chemical Engineering**Thermodynamics**

(A-F; prereq 2001, CHEM 4501, [Math 2373 or equiv.], [upper div ChEn major or dept consent], C- or better in all pre-reqs; credit will not be granted if credit already received for: ChEn 4101)

001 LEC, 01:25pm-02:15pm MWF, BellMus 100, instruction mode: Classroom; Cussler Jr, Edward L; Kaznessis, Yiannis; Kumar, Satish
12002 002 DIS, 09:05am-09:55am TTh, AkerH 313, instruction mode: Classroom; Cussler Jr, Edward L; Kaznessis, Yiannis; Kumar, Satish, 4 cr
12003 004 DIS, 11:15am-12:05pm TTh, AmundH 120, instruction mode: Classroom; Cussler Jr, Edward L; Kaznessis, Yiannis; Kumar, Satish, 4 cr
12004 005 DIS, 11:15am-12:05pm TTh, AmundH 156, instruction mode: Classroom; Cussler Jr, Edward L; Kaznessis, Yiannis; Kumar, Satish, 4 cr
15736 006 DIS, 02:30pm-03:20pm TTh, AmundH 120, instruction mode: Classroom; Cussler Jr, Edward L; Kaznessis, Yiannis; Kumar, Satish, 4 cr

18706 007 DIS, 10:10am-11:00am TTh, AkerH 313,
instruction mode: Classroom; Cussler Jr, Edward L; Kumar,
Satish; Kaznessis, Yiannis, 4 cr

3701 Introduction to Biomolecular Engineering

(A-F only; prereq 2001, [(Chem 2302 or Concurrent registration is required (or allowed) in Chem 2302] or equiv.), [Math 2373 or equiv.]; high school biology recommended; C- or better in all pre-reqs)

001 LEC, 09:05am-09:55am MWF, NichH 275, instruction mode: Classroom; Hackel, Benjamin J.; Azarin, Samira Michelle
16729 002 DIS, 08:00am-08:50am T, AmundH 116, instruction mode: Classroom; Hackel, Benjamin J.; Azarin, Samira Michelle, 3 cr
16730 003 DIS, 09:05am-09:55am T, AmundH 120, instruction mode: Classroom; Hackel, Benjamin J.; Azarin, Samira Michelle, 3 cr
16731 004 DIS, 10:10am-11:00am T, AmundH 120, instruction mode: Classroom; Hackel, Benjamin J.; Azarin, Samira Michelle, 3 cr
16732 006 DIS, 12:20pm-01:10pm T, AmundH 116, instruction mode: Classroom; Hackel, Benjamin J.; Azarin, Samira Michelle, 3 cr
16733 007 DIS, 02:30pm-03:20pm T, AmundH 124, instruction mode: Classroom; Hackel, Benjamin J.; Azarin, Samira Michelle, 3 cr

4401W Senior Chemical Engineering Lab

(A-F; prereq [3005 or 4005], [3006 or 4006], [3101 or 4101], [3102 or 4102], [2001 or 4001], [3201 or 4201], [3401, CHEM 2311], [2121 or CHEM 4121], [English composition requirement, upper div ChEn major] or dept consent, [C- or better in all pre-reqs]; meets CLE req of Writing Intensive)

001 LEC, 12:20pm-01:10pm MWF, AmundH B75, instruction mode: Classroom; Register in any open section. Students may need to switch sections so they will be in groups of three.; Caretta, Raul Alberto; McCormick, Alon Victor; Bhan, Aditya; Schott, Jeffrey H.
12007 002 LAB, 01:25pm-05:30pm M, AmundH 350, 02:30pm-05:30pm W, AmundH 116, instruction mode: Classroom; Caretta, Raul Alberto; Bhan, Aditya; McCormick, Alon Victor; Schott, Jeffrey H., 3 cr
12008 003 LAB, 08:00am-12:00pm T, AmundH 350, 09:00am-12:00pm Th, MCB 2-122, instruction mode: Classroom; Caretta, Raul Alberto; McCormick, Alon Victor; Schott, Jeffrey H.; Bhan, Aditya, 3 cr
12009 004 LAB, 01:25pm-05:30pm T, AmundH 350, 02:30pm-05:30pm Th, FordH 155, instruction mode: Classroom; Caretta, Raul Alberto; Schott, Jeffrey H.; McCormick, Alon Victor; Bhan, Aditya, 3 cr
12010 005 LAB, 01:25pm-05:25pm W, AmundH 350, 02:30pm-05:30pm M, AmundH 104, instruction mode: Classroom; McCormick, Alon Victor; Schott, Jeffrey H., 3 cr
12011 006 LAB, 08:00am-12:00pm Th, AmundH 350, 09:00am-12:00pm T, MCB 2-122, instruction mode: Classroom; McCormick, Alon Victor; Kosto, Kimberly Bryan, 3 cr
12012 007 LAB, 01:25pm-05:25pm T, AmundH 350, 02:30pm-05:30pm T, FordH 155, instruction mode: Classroom; McCormick, Alon Victor, 3 cr
12013 008 LAB, 01:25pm-05:25pm F, AmundH 350, 02:30pm-05:30pm W, AmundH 162, instruction mode: Classroom; McCormick, Alon Victor; Suszynski, Wieslaw J., 3 cr

4501W Chemical Engineering Design I

(prereq [2001, 3005, 3006, 3101, 3102, 3201, 3401W, Chem 2311, Chem 2121, fr writing requirement, upper div ChEn major] or dept consent, [C- or better in all pre-reqs]; meets CLE req of Writing Intensive)

001 LEC, 11:15am-12:05pm MWF, AmundH B75, instruction mode: Classroom; Derby, Jeffrey Jay; Neurock, Matthew; Dauenhauer, Paul J
21470 002 DIS, 08:00am-08:50am TTh, AmundH 156, instruction mode: Classroom; Derby, Jeffrey Jay, 3 cr
12034 004 DIS, 09:05am-09:55am TTh, AmundH 162, instruction mode: Classroom; Dauenhauer, Paul J, 3 cr
12035 005 DIS, 10:10am-11:00am TTh, AmundH 156, instruction mode: Classroom; Dauenhauer, Paul J, 3 cr
12036 006 DIS, 01:25pm-02:15pm TTh, AmundH 104, instruction mode: Classroom; Neurock, Matthew, 3 cr
12037 007 DIS, 03:35pm-04:25pm TTh, AmundH 156, instruction mode: Classroom; Neurock, Matthew, 3 cr

4593 Directed study

(max crs 6; 3 repeats allowed; OPN; prereq ChEn major upper division, instr consent)

13029 001 IND, instruction mode: Classroom; Kumar, Satish, 1-4 cr

4594 Directed Research

(max crs 6; 3 repeats allowed; OPN; prereq Upper div ChEn)

13027 001 IND, instruction mode: Classroom; Cussler Jr, Edward L; Kumar, Satish, 1-4 cr

4594H Directed Research - Honors

(max crs 6; 3 repeats allowed; A-F; prereq instr and DUGS consent, upper div ChEn major; meets HON req of Honors)

24725 001 IND, instruction mode: Classroom; Cussler Jr, Edward L; Kumar, Satish, 1-4 cr

4601 Process Control

(A-F; prereq [3102 or 4102], [upper div ChEn major or dept consent], C- or better in all pre-reqs)

001 LEC, 08:00am-08:50am MWF, AmundH B75, instruction mode: Classroom; Cussler Jr, Edward L; Kumar, Satish
21474 002 DIS, 08:00am-08:50am TTh, AmundH 158, instruction mode: Classroom; Cussler Jr, Edward L; Kumar, Satish, 3 cr
21473 003 DIS, 09:05am-09:55am TTh, AmundH 156, instruction mode: Classroom; Cussler Jr, Edward L; Kumar, Satish, 3 cr
20526 005 DIS, 11:15am-12:05pm TTh, AmundH 116, instruction mode: Classroom; Cussler Jr, Edward L; Kumar, Satish, 3 cr
20527 006 DIS, 12:20pm-01:10pm TTh, AmundH 156, instruction mode: Classroom; Cussler Jr, Edward L; Kumar, Satish, 3 cr
20528 007 DIS, 02:30pm-03:20pm TTh, AmundH 156, instruction mode: Classroom; Cussler Jr, Edward L; Kumar, Satish, 3 cr
011 LAB, 09:00am-11:00am M, AmundH 350, instruction mode: Classroom
012 LAB, 09:05am-11:00am W, AmundH 350, instruction mode: Classroom
013 LAB, 09:00am-11:00am F, AmundH 350, instruction mode: Classroom
014 LAB, 05:30pm-07:30pm M, AmundH 350, instruction mode: Classroom
015 LAB, 05:30pm-07:30pm T, AmundH 350, instruction mode: Classroom
016 LAB, 05:30pm-07:30pm W, AmundH 350, instruction mode: Classroom
017 LAB, 05:30pm-07:30pm Th, AmundH 350, instruction mode: Classroom
018 LAB, 09:00am-11:00am M, AmundH 350, instruction mode: Classroom
019 LAB, 09:00am-11:00am W, AmundH 350, instruction mode: Classroom
020 LAB, 09:00am-11:00am F, AmundH 350, instruction mode: Classroom
021 LAB, 05:30pm-07:30pm M, AmundH 350, instruction mode: Classroom
022 LAB, 05:30pm-07:30pm T, AmundH 350, instruction mode: Classroom
023 LAB, 05:30pm-07:30pm W, AmundH 350, instruction mode: Classroom
024 LAB, 05:30pm-07:30pm Th, AmundH 350, instruction mode: Classroom
025 LAB, 09:00am-11:00am M, AmundH 350, instruction mode: Classroom

4701 Advanced Undergraduate Applied Math I: Linear Analysis

(Credit will not be granted if credit has been received for: CHEN 8201; A-F; prereq [3102 or 4102], ChEn major upper div)

14523 001 LEC, 08:00am-09:55am TTh, AkerH 209, instruction mode: Classroom; Meets with: 12461 CHEN 8201; Daoutidis, Prodromos, 3 cr

4704 Advanced Undergraduate Physical Rate Processes I: Transport

(A-F; prereq [3005 or 4005], ChEn major upper div)

16177 001 LEC, 02:30pm-03:20pm MWF, AmundH 158, instruction mode: Classroom; Meets with: 16159 CHEN 8301; Zasadzinski, Joseph Anthony, 3 cr

4708 Advanced Undergraduate Chemical Rate Processes: Analysis of Chemical Reactors

(A-F; prereq [3102 or 4102], ChEn major upper div)

25980 001 LEC, 09:05am-09:55am MWF, AmundH 156, instruction mode: Classroom; Meets with: 25981 CHEN 8501; Bhan, Aditya, 3 cr

5751 Biochemical Engineering

(A-F only; prereq [3005 or 4005], [Concurrent registration is required (or allowed) in 3006 or Concurrent registration is required (or allowed) in 4006], [Concurrent registration is required (or allowed) in 3102 or Concurrent registration is required (or allowed) in 4102])

23005 001 LEC, 09:05am-09:55am MWF, FordH 155, instruction mode: Classroom; Hu, Wei-Shou, 3 cr

5771 Colloids and Dispersions

(A-F only; prereq Physical chemistry)

14489 001 LEC, 02:30pm-03:45pm TTh, AmundH 116, instruction mode: Classroom; Kokkoli, Efe, 3 cr

8201 Applied Mathematics I: Linear Analysis

(Credit will not be granted if credit has been received for: CHEN 4701; A-F only; prereq Chemical engineering grad student or instr consent)

12461 001 LEC, 08:00am-09:55am TTh, AkerH 209, instruction mode: Classroom; Meets with: 14523 CHEN 4701; Daoutidis, Prodromos, 3 cr

8221 Synthetic Polymer Chemistry

(Credit will not be granted if credit has been received for: CHEM 4221, MATS 5221, CHEM 8221, CHEN 5221, MATS 8221; A-F only; prereq [Undergrad organic chemistry course, undergrad physical chemistry course] or instr consent)

19394 001 LEC, 08:15am-09:30am TTh, STSS 220, instruction mode: Classroom; Meets with: 14737 CHEM 8221, 20096 CHEM 4221, 19373 MATS 8221; Hillmyer, Marc Andrew, 4 cr

8301 Physical Rate Processes I: Transport

(A-F only; instr consent)

16159 001 LEC, 02:30pm-03:20pm MWF, AmundH 158, instruction mode: Classroom; Meets with: 16177 CHEN 4704; Zasadzinski, Joseph Anthony, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13954 001 IND, instruction mode: Classroom; Kaznessis, Yiannis, 1 cr

8401 Physical and Chemical Thermodynamics

(A-F only; prereq [Undergraduate [engineering course or chemistry course in thermodynamics], Chemical engineering grad student] or instr consent)

19973 001 LEC, 10:10am-12:05pm TTh, MCB 2-120, instruction mode: Classroom; Meets with: 12361 MATS 8002; Aydil, Eray S, 3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14090 001 IND, instruction mode: Classroom; Kaznessis, Yiannis, 1 cr

8501 Chemical Rate Processes: Analysis of Chemical Reactors

(A-F only; prereq [Course in chemical reactor engineering, chemical engineering grad student] or instr consent)

25981 001 LEC, 09:05am-09:55am MWF, AmundH 156, instruction mode: Classroom; Meets with: 25980 CHEN 4708; Bhan, Aditya, 3 cr

8555 Chemical Engineering Teaching Practicum

(max crs 24; 4 repeats allowed; S-N; prereq Grad ChEn major and DGS permission)

26880 001 FWK, instruction mode: Classroom; Kaznessis, Yiannis, 1-6 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14208 001 IND, instruction mode: Classroom; Kaznessis, Yiannis, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14296 001 IND, instruction mode: Classroom; Kaznessis, Yiannis, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13728 001 IND, instruction mode: Classroom; Kaznessis, Yiannis, 1-24 cr

8900 Seminar

(S-N only)

13139 001 LEC, 01:25pm-02:15pm TTh, FraserH 101, instruction mode: Classroom; Kaznessis, Yiannis, 1 cr

8993 Directed Study

(max crs 12)
13140 001 LEC, instruction mode: Classroom; Kaznessis, Yiannis, 1-12 cr

8994 Directed Research

(max crs 12)
13141 001 LEC, instruction mode: Classroom; Kaznessis, Yiannis, 1-12 cr

CHEMICAL PHYSICS (ChPh)

139 Smith Hall, 207 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/626-7444, <http://www.chem.umn.edu/ChemPhys/>

8081 M.S. Plan B Project I

(A-F; prereq Grad chem phys major)
19467 001 IND, instruction mode: Independent/Directed Studies, 4 cr

8082 M.S. Plan B Project II

(A-F; prereq Grad chem phys major)
19468 001 IND, instruction mode: Independent/Directed Studies, 4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
13955 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14091 001 IND, instruction mode: Classroom, 1 cr

8601 Seminar: Modern Problems in Chemical Physics

(max crs 2; S-N; prereq Grad chem physics major or instr consent)
19469 001 LEC, instruction mode: Classroom; Massari, Aaron, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14209 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14297 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13729 001 IND, instruction mode: Classroom, 1-24 cr

CHEMISTRY (Chem)

139 Smith Hall, 207 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-6000, <http://www.chem.umn.edu>

1015 Introductory Chemistry: Lecture

(prereq [High school chemistry or equiv], two yrs high school math, not passed chem placement exam, internet access; high school physics recommended; CHEM 1015 is a 3-credit, lecture-only course, with the lectures delivered online via WebVista, and exams taken in person on campus. Internet access is required. Students who will go on to take CHEM 1021 should take CHEM 1015 only. Students who will NOT be continuing on to CHEM 1021 and need to fulfill the Physical Science/Lab core requirement need take the 1-credit lab course CHEM 1017 either concurrently or consecutively. This course will NOT fulfill the Physical Science/Lab core requirement unless the CHEM 1017 lab course is completed either concurrently or consecutively.; meets CLE req of Physical Sciences)
17251 1001 LEC, 06:00pm-07:00pm M, . ROOM-TBA, OFFCAMPUS, 06:00pm-07:00pm M, . ROOM-TBA, OFFCAMPUS, 06:00pm-07:00pm M, . ROOM-TBA, OFFCAMPUS, 06:00pm-07:00pm M, . ROOM-TBA, OFFCAMPUS, 06:00pm-07:00pm M, . ROOM-TBA, OFFCAMPUS, instruction mode: Correspondence; Lectures are internet-format only. Students will view the lectures online at their convenience. A high speed

internet connection is required. The four (4) midterm exams require attendance on the following Monday evenings from 6:00pm-7:00 pm: Sept 28, Oct 19, Nov 9 and Dec 7. Final Exam is Monday, Dec 21, 2015, 6:30pm-8:30pm.; 845 seats reserved for FRFY - Freshman Full Yr Regist; 95 seats reserved for NASS - New Advanced Standing S, 3 cr

1017 Introductory Chemistry: Laboratory

(A-F; prereq [1015 or Concurrent registration is required (or allowed) in 1015], dept consent; credit will not be granted if credit received for: 1011; CHEM 1017 is a 1-credit lab-only course. This course is not intended for students who are planning to take CHEM 1021. Intended only for students who need the course to fulfill the Physical Science/Lab requirement, and are taking CHEM 1015 either concurrently or consecutively. This course will NOT fulfill the Physical Science/Lab core requirement, unless CHEM 1015 is completed either concurrently or consecutively.; meets CLE req of Physical Sciences)

17252 001 LAB, 08:00am-10:50am T, SmithH 249, instruction mode: Classroom; Students who drop CHEM 1015 lecture before Monday, Nov 17, 2014 are REQUIRED to drop CHEM 1017 lab. No Exceptions!; 50 seats reserved for FRFY - Freshman Full Yr Regist; 8 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr
17701 002 LAB, 02:30pm-05:20pm W, SmithH 249, instruction mode: Classroom; Students who drop CHEM 1015 lecture before Monday, Nov 17, 2014 are REQUIRED to drop CHEM 1017 lab. No Exceptions!; 50 seats reserved for FRFY - Freshman Full Yr Regist; 10 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr
17702 003 LAB, 02:30pm-05:20pm Th, SmithH 249, instruction mode: Classroom; Students who drop CHEM 1015 lecture before Monday, Nov 17, 2014 are REQUIRED to drop CHEM 1017 lab. No Exceptions!; 60 seats reserved for FRFY - Freshman Full Yr Regist; 5 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr
17703 1004 LAB, 06:00pm-08:50pm Th, SmithH 249, instruction mode: Classroom; Students who drop CHEM 1015 lecture before Monday, Nov 17, 2014 are REQUIRED to drop CHEM 1017 lab. No Exceptions!; 50 seats reserved for FRFY - Freshman Full Yr Regist; 10 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr

1061 Chemical Principles I

(Credit will not be granted if credit has been received for: CHEM 1071H; meets CLE req of Physical Sciences)

22210 1001 LEC, 08:00am-08:50am MWF, SmithH 100, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, instruction mode: Classroom; Midterm Exams are on the following Wednesday evenings from 9:00 pm to 10:00 pm: Sept 30, Oct 28, and Dec 2. CHEM 1061 and CHEM 1065 (lab) replaces CHEM 1021. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1061 lecture before Monday, Nov 9, 2015 are REQUIRED to drop CHEM 1065 lab. No Exceptions!; 320 seats reserved for FRFY - Freshman Full Yr Regist, 3 cr
22211 1002 LEC, 12:20pm-01:10pm MWF, SmithH 100, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, instruction mode: Classroom; Midterm Exams are on the following Wednesday evenings from 9:00 pm to 10:00 pm: Sept 30, Oct 28, and Dec 2. CHEM 1061 and CHEM 1065 (lab) replaces CHEM 1021. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1061 lecture before Monday, Nov 9, 2015 are REQUIRED to drop CHEM 1065 lab. No Exceptions!; 180 seats reserved for FRFY - Freshman Full Yr Regist, 3 cr
22212 1003 LEC, 08:15am-09:30am TTh, SmithH 100, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, instruction mode: Classroom; Midterm Exams are on the following Wednesday evenings from 9:00 pm to 10:00 pm: Sept 30, Oct 28, and Dec 2. CHEM 1061 and CHEM 1065 (lab) replaces CHEM 1021. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1061 lecture before Monday, Nov 9, 2015 are REQUIRED to drop CHEM 1065 lab. No Exceptions!; 276 seats reserved for FRFY - Freshman Full Yr Regist, 3 cr
22213 1004 LEC, 06:00pm-09:00pm T, SmithH 100, instruction mode: Classroom; Midsemester Exam for this section ONLY will be held during normal class times. CHEM 1061 and CHEM 1065 (lab) replaces CHEM 1021. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1061 lecture before Monday, Nov 17, 2014 are REQUIRED to drop CHEM 1065 lab. No Exceptions!; 145 seats

reserved for FRFY - Freshman Full Yr Regist; 50 seats reserved for NASS - New Advanced Standing S, 3 cr
22214 1005 LEC, 01:00pm-02:15pm T, STSS 114, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, instruction mode: Partially Online; This is a HYBRID section of CHEM 1061. Traditional lecture materials will be accessed by students outside of class time, as videos posted online, in the class Moodle site. The online videos can be accessed at any time. The weekly 75-minute class period will be a required problem-solving session with the instructor. This section requires each student to bring an internet capable tablet or laptop to every class meeting. Midterm Exams are on the following Wednesday evenings from 9:00 pm to 10:00 pm: Sept 30, Oct 28, and Dec 2. CHEM 1061 and CHEM 1065 (lab) replaces CHEM 1021. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1061 lecture before Monday, Nov 9, 2015 are REQUIRED to drop CHEM 1065 lab. No Exceptions!; 145 seats reserved for FRFY - Freshman Full Yr Regist; Driessen, Michelle, 3 cr
22215 1006 LEC, 01:00pm-02:15pm Th, STSS 114, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, instruction mode: Partially Online; This is a HYBRID section of CHEM 1061. Traditional lecture materials will be accessed by students outside of class time, as videos posted online, in the class Moodle site. The online videos can be accessed at any time. The weekly 75-minute class period will be a required problem-solving session with the instructor. This section requires each student to bring an internet capable tablet or laptop to every class meeting. Midterm Exams are on the following Wednesday evenings from 9:00 pm to 10:00 pm: Sept 30, Oct 28, and Dec 2. CHEM 1061 and CHEM 1065 (lab) replaces CHEM 1021. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1061 lecture before Monday, Nov 9, 2015 are REQUIRED to drop CHEM 1065 lab. No Exceptions!; 115 seats reserved for FRFY - Freshman Full Yr Regist; Driessen, Michelle, 3 cr
24196 1007 LEC, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, instruction mode: Correspondence; This section of CHEM 1061 is ONLINE only. There are no classroom meetings and students will view video lectures online, at their convenience. High speed internet access is required. Attendance is required for the three midterm exams on the following Wednesday evenings from 9:00 pm to 10:00 pm: Sept 30, Oct 28, and Dec 2 and the final exam on TBD. CHEM 1061 and CHEM 1065 (lab) replaces CHEM 1021. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1061 lecture before Monday, Nov 9, 2015 are REQUIRED to drop CHEM 1065 lab. No Exceptions! Contact instructor for a permission number to enroll in the course.; Driessen, Michelle, 3 cr

1062 Chemical Principles II

(Credit will not be granted if credit has been received for: CHEM 1072H; prereq Grade of at least C- in 1061 or equiv, Concurrent registration is required (or allowed) in 1066; registration for 1066 must precede registration for 1062; meets CLE req of Physical Sciences)

22216 1001 LEC, 11:15am-12:05pm MWF, SmithH 100, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, instruction mode: Classroom; Midterm Exams are on the following Wednesday EVENINGS from 9:00 pm to 10:00 pm: Oct 7, Nov 4, and Dec 9. CHEM 1062 and CHEM 1066 (lab) replaces CHEM 1022. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1062 (lecture) before Monday, Nov 9, 2015 are REQUIRED to drop CHEM 1066 (lab). No Exceptions!, 3 cr
22217 1002 LEC, 02:30pm-03:20pm MWF, SmithH 100, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, instruction mode: Classroom; Midterm Exams are on the following Wednesday EVENINGS from 9:00 pm to 10:00 pm: Oct 7, Nov 4, and Dec 9. CHEM 1062 and CHEM 1066 (lab) replaces CHEM 1022. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1062 (lecture) before Monday, Nov 9, 2015 are REQUIRED to drop CHEM 1066 (lab). No Exceptions!, 3 cr
24152 1003 LEC, 09:45am-11:00am TTh, STSS 220, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, 09:00pm-10:00pm W, . ROOM-TBA, instruction mode: Classroom; Midterm Exams are on the following Wednesday EVENINGS from 9:00 pm to 10:00 pm: Oct 7, Nov 4, and Dec 9. CHEM 1062 and CHEM 1066 (lab) replaces CHEM 1022. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1062 (lecture) before Monday,

the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; 15 seats reserved for FRFY - Freshman Full Yr Regist; 5 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr

22595 008 LAB, 11:15am-02:05pm W, SmithH 210, instruction mode: Classroom; CHEM 1066 requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1066 will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; 15 seats reserved for FRFY - Freshman Full Yr Regist; 5 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr

22596 009 LAB, 08:00am-10:50am Th, SmithH 210, instruction mode: Classroom; CHEM 1066 requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1066 will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; 15 seats reserved for FRFY - Freshman Full Yr Regist; 5 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr

22597 010 LAB, 11:15am-02:05pm Th, SmithH 210, instruction mode: Classroom; CHEM 1066 requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1066 will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; 15 seats reserved for FRFY - Freshman Full Yr Regist; 8 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr

22598 011 LAB, 02:30pm-05:20pm Th, SmithH 210, instruction mode: Classroom; CHEM 1066 requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1066 will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; 15 seats reserved for FRFY - Freshman Full Yr Regist; 5 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr

22599 012 LAB, 08:00am-10:50am F, SmithH 210, instruction mode: Classroom; CHEM 1066 requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1066 will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; 15 seats reserved for FRFY - Freshman Full Yr Regist; 5 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr

22600 013 LAB, 11:15am-02:05pm F, SmithH 210, instruction mode: Classroom; CHEM 1066 requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1066 will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; 15 seats reserved for

FRFY - Freshman Full Yr Regist; 5 seats reserved for NASS - New Advanced Standing S; Driessen, Michelle, 1 cr

1071H Honors Chemistry I

(Credit will not be granted if credit has been received for: CHEM 1061; A-F; prereq Honors student, permission of University Honors Program, Concurrent registration is required (or allowed) in 1075H; registration for 1075H must precede registration for 1071H; meets CLE req of Physical Sciences; meets HON req of Honors)

22284 001 LEC, 09:05am-09:55am MWF, STSS 412, instruction mode: Classroom; CHEM 1071H and CHEM 1075H (lab) replaces CHEM 1031H. Concurrent registration in both courses are required. You must register in lab first! Students who drop CHEM 1071H lecture before Monday, Nov 17, 2014 are REQUIRED to drop CHEM 1075H lab. No Exceptions! Blank, David A, 3 cr

1075H Honors Chemistry I Laboratory

(Credit will not be granted if credit has been received for: CHEM 1065; A-F; meets CLE req of Physical Sciences; meets HON req of Honors)

22574 001 LAB, 09:05am-11:55am T, SmithH 249A, instruction mode: Classroom; CHEM 1075H requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1075H will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; Driessen, Michelle, 1 cr

22658 002 LAB, 01:25pm-04:10pm T, SmithH 249A, instruction mode: Classroom; CHEM 1075H requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1075H will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; Driessen, Michelle, 1 cr

22659 003 LAB, 01:25pm-04:10pm W, SmithH 249A, instruction mode: Classroom; CHEM 1075H requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1075H will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; Driessen, Michelle, 1 cr

22660 004 LAB, 01:25pm-04:10pm Th, SmithH 249A, instruction mode: Classroom; CHEM 1075H requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1075H will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; Driessen, Michelle, 1 cr

22661 005 LAB, 01:25pm-04:10pm F, SmithH 249A, instruction mode: Classroom; CHEM 1075H requires each student to bring an internet capable tablet or laptop to every class meeting. CHEM 1075H will utilize an interactive digital laboratory manual and notebook, accessed through the course Moodle site. All students registered for the course will be automatically charged \$31.70 two weeks after the start of the semester. The charge will appear as a U of M Bookstore item on the student account. No makeup labs are allowed. Choose a lab meeting time that will allow you to attend EVERY meeting throughout the semester; Driessen, Michelle, 1 cr

1231 Organic Chemistry I

(A-F only; prereq Concurrent registration is required (or allowed) in MATH 1161, [high school chemistry or equiv preferred and three years high school math required]; Only Rochester-admitted students will be able to enroll in this course.; meets CLE req of Physical Sciences)

001 LEC, 08:00am-08:50am MWF, 318Com 10, ROCHESTER, instruction mode: Classroom; There will be evening exams for this course from 6:00-7:00 PM on these dates (Wednesdays): 10/7, 11/11 and 12/9. Please contact your instructor with questions.; Muthyala, Rajeev S.

002 LEC, 09:05am-09:55am MWF, . ROCH-TBA, ROCHESTER, 08/07/15-06/15/16, instruction mode: Classroom; There will be evening exams for this course from 6:00-7:00 PM on these dates (Wednesdays): 10/7, 11/11 and 12/9. Please contact your instructor with questions.; Muthyala, Rajeev S.

003 LEC, 10:10am-11:00am MWF, 318Com 10, ROCHESTER, instruction mode: Classroom; There will be evening exams for this course from 6:00-7:00 PM on these dates (Wednesdays): 10/7, 11/11 and 12/9. Please contact your instructor with questions.; Muthyala, Rajeev S.

22848 004 LAB, 08:45am-11:00am Th, USq 424, ROCHESTER, instruction mode: Classroom; Muthyala, Rajeev S., 4 cr

22849 005 LAB, 11:15am-01:30pm M, USq 424, ROCHESTER, instruction mode: Classroom; Muthyala, Rajeev S., 4 cr

22850 006 LAB, 02:20pm-04:35pm M, USq 424, ROCHESTER, instruction mode: Classroom; Muthyala, Rajeev S., 4 cr

22851 007 LAB, 03:30pm-05:35pm W, USq 424, ROCHESTER, instruction mode: Classroom; Muthyala, Rajeev S., 4 cr

22852 008 LAB, 08:45am-11:00am T, USq 424, ROCHESTER, instruction mode: Classroom; Muthyala, Rajeev S., 4 cr

22853 009 LAB, 11:30am-01:45pm Th, USq 424, ROCHESTER, instruction mode: Classroom; Muthyala, Rajeev S., 4 cr

22854 010 LAB, 02:20pm-04:35pm F, USq 424, ROCHESTER, instruction mode: Classroom; Muthyala, Rajeev S., 4 cr

24067 011 LAB, 11:30am-01:45pm T, USq 424, ROCHESTER, instruction mode: Classroom; Muthyala, Rajeev S., 4 cr

31628 012 LAB, 12:55pm-03:10pm W, USq 424, ROCHESTER, instruction mode: Classroom; Muthyala, Rajeev S., 4 cr

31629 013 LAB, 11:15am-01:30pm F, USq 424, ROCHESTER, instruction mode: Classroom, 4 cr

31630 014 LAB, 02:15pm-04:30pm Th, USq 424, ROCHESTER, instruction mode: Classroom; Muthyala, Rajeev S., 4 cr

1905 Freshman Seminar

(max crs 3; A-F only; prereq freshman)

19966 001 LEC, 02:30pm-04:10pm W, STSS 420A, instruction mode: Classroom; DNA; Bowser, Michael, 1-3 cr

19967 002 LEC, 02:30pm-04:10pm F, SmithH 111, instruction mode: Classroom; Science in the News; Barany, George, 1-3 cr

19968 003 LEC, 01:25pm-03:05pm Th, . NONSTD-TBA, instruction mode: Classroom; The End of the World as We Know It; Haynes, Christy L, 1-3 cr

19969 004 LEC, 01:25pm-04:10pm T, . NONSTD-TBA, instruction mode: Classroom; How Do Chemists Study Biology, 1-3 cr

2094 Directed Research

(max crs 3; prereq instr consent)

11744 001 IND, instruction mode: Classroom, 1-3 cr

2101 Introductory Analytical Chemistry Lecture

(prereq 1022 or equiv)

10852 001 LEC, 11:15am-12:05pm MWF, AndH 310, instruction mode: Classroom; Frost, Nicholas W, 3 cr

2111 Introductory Analytical Chemistry Lab

(prereq 2101 or concurrent enrollment 2101)

001 LEC, instruction mode: Classroom; CHEM 2111 lab lectures on the course moodle site. Frost, Nicholas W 10854 002 LAB, 12:30pm-04:10pm T, SmithH 310, instruction mode: Classroom, 2 cr

13486 003 LAB, 12:30pm-04:10pm W, SmithH 310, instruction mode: Classroom, 2 cr

10855 004 LAB, 12:30pm-04:10pm Th, SmithH 310, instruction mode: Classroom, 2 cr

10856 005 LAB, 12:30pm-04:10pm F, SmithH 310, instruction mode: Classroom, 2 cr

2301 Organic Chemistry I

(Credit will not be granted if credit has been received for: CHEM 2331H; prereq C- or better in 1062/1066 or 1072H/1076H or equiv or B or better in 1071H/1075H, 1072H/1076H; Note: Students who have previously received a grade of C- or better and wish to repeat this course should not register for it during the registration queue. If they do they may have their registration

canceled. They will be allowed to register on a space available basis, during open enrollment.)

- 10857 001 LEC, 09:05am-09:55am MWF, SmithH 100, instruction mode: Classroom; 25 seats reserved for FRFY - Freshman Full Yr Regist; 25 seats reserved for NASS - New Advanced Standing S, 3 cr
- 10858 002 LEC, 09:45am-11:00am TTh, SmithH 100, instruction mode: Classroom; 27 seats reserved for FRFY - Freshman Full Yr Regist; 30 seats reserved for NASS - New Advanced Standing S, 3 cr
- 10859 003 LEC, 01:25pm-02:15pm MWF, SmithH 100, instruction mode: Classroom; 25 seats reserved for FRFY - Freshman Full Yr Regist; 30 seats reserved for NASS - New Advanced Standing S, 3 cr
- 10860 004 LEC, 06:00pm-09:00pm W, SmithH 100, instruction mode: Classroom; This class will have a 3-hour final, 6-9pm on Wednesday, December 17, 2014; 10 seats reserved for non-PSEO, non-admitted student; 55 seats reserved for NASS - New Advanced Standing S; 20 seats reserved for FRFY - Freshman Full Yr Regist, 3 cr

2302 Organic Chemistry II

(Credit will not be granted if credit has been received for: BIOC 2331, CHEM 2304, CHEM 2332H; prereq Grade of at least C- in 2301)

- 10861 001 LEC, 10:10am-11:00am MWF, SmithH 100, instruction mode: Classroom; 3 seats reserved for FRFY - Freshman Full Yr Regist, 3 cr
- 13891 002 LEC, 12:20pm-01:10pm MWF, STSS 220, instruction mode: Classroom; 3 seats reserved for FRFY - Freshman Full Yr Regist, 3 cr

2304 Organic Chemistry II for the Life Sciences

(Credit will not be granted if credit has been received for: CHEM 2302, BIOC 2331, CHEM 2332H; prereq Grade of at least C- in 2301; designed for life sciences majors)

- 24195 001 LEC, 09:05am-09:55am MWF, STSS 220, instruction mode: Classroom, 3 cr

2311 Organic Lab

(Credit will not be granted if credit has been received for: CHEM 2312H; prereq Grade of at least C- in [2302, 2304] or [Concurrent registration is required (or allowed) in 2302, Concurrent registration is required (or allowed) in 2304])

- 001 LEC, 11:15am-12:05pm T, STSS 230, instruction mode: Classroom; Meets with: CHEM 2311 section 005, 006, or 007; Wissinger, Jane E.
- 002 LEC, 12:20pm-01:10pm T, AndH 370, instruction mode: Classroom; Meets with: CHEM 2311 section 004, 005, or 007; Wissinger, Jane E.
- 003 LEC, 04:55pm-05:45pm T, STSS 230, instruction mode: Classroom; Meets with: CHEM 2311 section 004, 005, 006, or 007; Wissinger, Jane E.
- 13896 004 LAB, 08:00am-11:50am TTh, SmithH 349, instruction mode: Classroom; Registration in both a lecture and a lab section is required.; 8 seats reserved for NASS - New Advanced Standing S; 10 seats reserved for soph (any) or CSE freshmen, 4 cr
- 13897 005 LAB, 12:20pm-04:10pm MW, SmithH 349, instruction mode: Classroom; Registration in both a lecture and a lab section is required.; 8 seats reserved for NASS - New Advanced Standing S; 10 seats reserved for soph (any) or CSE freshmen, 4 cr
- 13898 006 LAB, 12:20pm-04:10pm TTh, SmithH 349, instruction mode: Classroom; Registration in both a lecture and a lab section is required.; 8 seats reserved for NASS - New Advanced Standing S; 5 seats reserved for soph (any) or CSE freshmen, 4 cr
- 20321 007 LAB, 06:00pm-09:50pm TTh, SmithH 349, instruction mode: Classroom; Registration in both a lecture and a lab section is required.; 8 seats reserved for NASS - New Advanced Standing S; 5 seats reserved for soph (any) or CSE freshmen, 4 cr

2312H Honors Organic Lab

(Credit will not be granted if credit has been received for: CHEM 2311; A-F; prereq [2301 or Concurrent registration is required (or allowed) in 2301], [Chem or ChemE or BioC] major, instr consent; meets HON req of Honors)

- 001 LEC, 08:00am-08:50am TTh, STSS 530B, instruction mode: Classroom; Hoye, Thomas R.
- 10878 002 LAB, instruction mode: Classroom; 15 lab hrs arranged per week, 5 cr

2331 General Chemistry I

(A-F only; prereq Concurrent registration is required (or allowed) in MATH 1111 or equivalent; grade of at least C- in BIOL 2311; 1231;)

- 001 LEC, 09:05am-09:55am MWF, USq 415, ROCHESTER, instruction mode: Classroom; There will be help sessions for this course - please visit the JustAsk website for more information on this. Note that the examinations for this

course will be held in the evening, 6:00 - 7:30 PM on these dates: Thursday 10/8, Monday 11/9, and Monday 12/14.; Prat-Resina, Xavier; Bampoh, Victoria Naa Kwale; Larsen, Peter Lawrence

- 002 LEC, 10:10am-11:00am MWF, USq 415, ROCHESTER, instruction mode: Classroom; There will be help sessions for this course - please visit the JustAsk website for more information on this. Note that the examinations for this course will be held in the evening, 6:00 - 7:30 PM on these dates: Thursday 10/8, Monday 11/9, and Monday 12/14.; Prat-Resina, Xavier; Bampoh, Victoria Naa Kwale; Larsen, Peter Lawrence
- 22662 003 LAB, 01:25pm-03:20pm M, USq 418, ROCHESTER, instruction mode: Classroom; There will be help sessions for this course - please visit the JustAsk website for more information on this. Note that the examinations for this course will be held in the evening, 6:00 - 7:30 PM on these dates: Thursday 10/8, Monday 11/9, and Monday 12/14.; Bampoh, Victoria Naa Kwale; Prat-Resina, Xavier; Larsen, Peter Lawrence, 4 cr
- 24216 004 LAB, 03:35pm-05:30pm M, USq 418, ROCHESTER, instruction mode: Classroom; Bampoh, Victoria Naa Kwale; Larsen, Peter Lawrence; Prat-Resina, Xavier, 4 cr
- 24217 005 LAB, 02:30pm-04:25pm Th, USq 418, ROCHESTER, instruction mode: Classroom; Larsen, Peter Lawrence; Bampoh, Victoria Naa Kwale; Prat-Resina, Xavier, 4 cr
- 24217 006 LAB, 01:25pm-03:20pm W, USq 418, ROCHESTER, instruction mode: Classroom; Larsen, Peter Lawrence; Bampoh, Victoria Naa Kwale; Prat-Resina, Xavier, 4 cr
- 24218 007 LAB, 01:25pm-03:20pm F, USq 418, ROCHESTER, instruction mode: Classroom; Larsen, Peter Lawrence; Prat-Resina, Xavier; Bampoh, Victoria Naa Kwale, 4 cr
- 25098 008 LAB, instruction mode: Classroom, 4 cr

2331H Honors Elementary Organic Chemistry I

(Credit will not be granted if credit has been received for: CHEM 2301; A-F; prereq At least B+ in 1072H, UHP student; meets HON req of Honors)

- 22629 001 LEC, 09:05am-09:55am MWF, STSS 230, instruction mode: Classroom; Hoye, Thomas R., 3 cr

2910 Special Topics in Chemistry

(max crs 6; 6 repeats allowed; S-N only; prereq 1 sem 1xxx chemistry or instr consent)

- 10851 001 LEC, 12:20pm-01:10pm Th, STSS 230, instruction mode: Classroom; Meets with: CHEM 2910H section 001; Meets with: 20716 CHEM 2910H; Stathopoulos, Stephanie M, 1 cr

2910H Special Topics in Chemistry

(max crs 6; 6 repeats allowed; S-N only; prereq One sem 1xxx chemistry or instr consent; meets HON req of Honors)

- 20716 001 LEC, 12:20pm-01:10pm Th, STSS 230, instruction mode: Classroom; Meets with: CHEM 2910 section 001; Meets with: 10851 CHEM 2910; Stathopoulos, Stephanie M, 1 cr

4001 Chemistry of Biomass and Biomass Conversion to Fuels and Products

(A-F only; prereq 2301, [jr or sr or instr consent])

- 17342 001 LEC, 12:50pm-01:40pm MWF, KaufL 302, STPAUL, instruction mode: Classroom; Meets with: 18378 BBE 4001, 18385 BBE 5001; Tschirner, Ulrike Waltrau, 4 cr

4011 Mechanisms of Chemical Reactions

(prereq [2302, 4501] or equiv)

- 11161 001 LEC, 10:10am-11:00am MWF, MechE 108, instruction mode: Classroom; Meets with: 11160 CHEM 8011; Mann, Kent R, 3 cr

4094V Directed Research

(max crs 75; 15 repeats allowed; meets CLE req of Writing Intensive; meets HON req of Honors)

- 20867 001 IND, instruction mode: Classroom, 1-5 cr

4094W Directed Research

(max crs 75; 15 repeats allowed; prereq Any 3xxx or 4xxx chem course, instr consent; meets CLE req of Writing Intensive)

- 11745 001 IND, instruction mode: Classroom, 1-5 cr

4101 Modern Instrumental Methods of Chemical Analysis

(A-F only; prereq 2101, 2111, 2311, 4501)

- 10880 001 LEC, 09:05am-09:55am MWF, SmithH 331, instruction mode: Classroom, 3 cr

4201 Materials Chemistry

(Credit will not be granted if credit has been received for: CHEM 8201; prereq [4502 or equiv], 4701] or instr consent)

- 15605 001 LEC, 11:15am-12:30pm TTh, STSS 220, instruction mode: Classroom; Meets with: 15606 CHEM 8201, 3 cr

4221 Introduction to Polymer Chemistry

(Credit will not be granted if credit has been received for: MATS 5221, CHEM 8221, CHEN 5221, MATS 8221, CHEN 8221; prereq [2302, 4501] or instr consent)

- 20096 001 LEC, 08:15am-09:30am TTh, STSS 220, instruction mode: Classroom; Meets with: 14737 CHEM 8221, 19394 CHEN 8221, 19373 MATS 8221; Hillmyer, Marc Andrew, 3 cr

4311W Advanced Organic Chemistry Lab (prereq 2311; meets CLE req of Writing Intensive)

001 LEC, 12:20pm-01:10pm T, STSS 230, instruction mode: Classroom; Noland, Wayland E

- 15603 002 LAB, 12:20pm-05:20pm MW, KoltH 593, instruction mode: Classroom; Students must be able to attend at least 8 of these 10 hours., 4 cr
- 15604 003 LAB, 01:25pm-06:25pm T, KoltH 594, 12:20pm-05:20pm Th, KoltH 594, instruction mode: Classroom; Students must be able to attend at least 8 of these 10 hours., 4 cr

4321 Organic Synthesis

(prereq [2302 or equiv], 4501, instr consent)

- 11163 001 LEC, 11:15am-12:05pm MWF, SmithH 231, instruction mode: Classroom; Meets with: 11162 CHEM 8321; Douglas, Christopher J., 3 cr

4361 Interpretation of Organic Spectra

(prereq [2302 or equiv], 4501, instr consent)

- 11165 001 LEC, 09:05am-09:55am MWF, SmithH 231, instruction mode: Classroom; Meets with: 11164 CHEM 8361; Que Jr, Lawrence, 3 cr

4411 Introduction to Chemical Biology

(prereq [2302 or equiv], 4501)

- 11167 001 LEC, 01:00pm-02:15pm TTh, STSS 220, instruction mode: Classroom; Meets with: 11166 CHEM 8411, 3 cr

4423W Foundations of Chemical Biology Laboratory

(prereq [2302 or 2304], 2311, 2111; meets CLE req of Writing Intensive)

- 34321 001 LEC, 01:25pm-02:15pm F, SmithH 331, instruction mode: Classroom; Distefano, Mark Dewey, 2 cr
- 34322 002 LAB, 08:00am-11:50am T, KoltH 494, instruction mode: Classroom, 2 cr
- 34323 003 LAB, 12:20pm-04:10pm T, KoltH 494, instruction mode: Classroom, 2 cr
- 34324 004 LAB, 08:00am-11:50am Th, KoltH 494, instruction mode: Classroom, 2 cr
- 34325 005 LAB, 12:20pm-04:10pm Th, KoltH 494, instruction mode: Classroom, 2 cr

4501 Introduction to Thermodynamics, Kinetics, and Statistical Mechanics

(A-F only; prereq [1062/1066 or 1071H/1075H], [MATH 2263 or Concurrent registration is required (or allowed) in MATH 2263 or MATH 2374 or Concurrent registration is required (or allowed) in MATH 2374], [PHYS 1302 or PHYS 1402V or PHYS 1502V])

- 21743 001 LEC, 11:15am-12:05pm MWF, STSS 412, instruction mode: Classroom; Cramer, Christopher J, 3 cr

4502 Introduction to Quantum Mechanics and Spectroscopy

(A-F only; prereq [1062/1066 or 1072H/1076H], [MATH 2263 or Concurrent registration is required (or allowed) in MATH 2263 or MATH 2374 or Concurrent registration is required (or allowed) in MATH 2374 or MATH 2243 or Concurrent registration is required (or allowed) in MATH 2243 or MATH 2373 or Concurrent registration is required (or allowed) in MATH 2373], [PHYS 1302 or PHYS 1402V or PHYS 1502V])

- 20866 001 LEC, 10:10am-11:00am MWF, STSS 220, instruction mode: Classroom, 3 cr

4511W Advanced Physical Chemistry Lab (prereq 4501, 4502, chemistry major; meets CLE req of Writing Intensive)

- 001 LEC, 01:25pm-02:15pm M, SmithH 331, instruction mode: Classroom; Johns, James
- 10883 002 LAB, 01:25pm-05:15pm T, KoltH 465, instruction mode: Classroom, 3 cr
- 20511 003 LAB, 01:25pm-05:15pm W, KoltH 465, instruction mode: Classroom, 3 cr
- 21808 004 LAB, 01:25pm-05:15pm Th, KoltH 465, instruction mode: Classroom, 3 cr

26329 005 LAB, 01:25pm-05:15pm F, KoltH 465, instruction mode: Classroom, 3 cr

4701 Inorganic Chemistry

(prereq [2311 or Concurrent registration is required (or allowed) in 2311], [4501 or Concurrent registration is required (or allowed) in 4501 or 4502 or Concurrent registration is required (or allowed) in 4502])
10884 001 LEC, 12:20pm-01:10pm MWF, STSS 230, instruction mode: Classroom; Pierre, Valerie Christine, 3 cr

4715 Physical Inorganic Chemistry

(prereq 4701 or equiv, chem major or instr consent)
11169 001 LEC, 12:20pm-01:10pm MWF, SmithH 121, instruction mode: Classroom; Meets with: 13244 CHEM 8715, 3 cr

4721 Special Topics in Chemistry

(max crs 8; A-F only; prereq instr consent ; repeated enrollment allowed only if topics are different)
26407 001 LEC, instruction mode: Classroom; Prerequisites: CHEM 2231, CHEM 2333, PHYS 2251 and BIOL 2311., 1-4 cr

4894H Senior Honors Thesis

(max crs 6; A-F; prereq Honors student, instr consent; meets HON req of Honors)
26919 001 IND, instruction mode: Classroom; , 1-3 cr

5245 Introduction to Drug Design

(Credit will not be granted if credit has been received for: PHAR 6245, MEDC 5245; A-F only; prereq 2302 or equiv)
34326 001 LEC, 11:15am-12:30pm TTh, SmithH 111, instruction mode: Classroom; Meets with: 32572 MEDC 5245; Amin, Elizabeth Ambrose, 3 cr

8011 Mechanisms of Chemical Reactions

(prereq 2302 or equiv)
11160 001 LEC, 10:10am-11:00am MWF, MechE 108, instruction mode: Classroom; Meets with: 11161 CHEM 4011; Mann, Kent R, 4 cr

8066 Professional Conduct of Chemical Research

(S-N only; prereq Chem grad student)
15134 001 LEC, instruction mode: Classroom; Course meetings arranged by instructor, 1 cr

8081 M.S. Plan B Project I

(max crs 4; A-F only; prereq grad chem major)
11380 001 IND, instruction mode: Classroom, 4 cr

8082 M.S. Plan B Project II

(max crs 4; A-F only; prereq grad chem major)
11381 001 IND, instruction mode: Classroom, 4 cr

8152 Analytical Spectroscopy

(prereq grad chem major or instr consent)
19886 001 LEC, 09:05am-09:55am MWF, SmithH 111, instruction mode: Classroom; Frontiera, Renee R, 4 cr

8157 Bioanalytical Chemistry

(A-F only; prereq instr consent)
21950 001 LEC, 11:15am-12:05pm MWF, SmithH 111, instruction mode: Classroom; Bowser, Michael, 4 cr

8201 Materials Chemistry

(Credit will not be granted if credit has been received for: CHEM 4201; A-F only; prereq [4701, 3502] or instr consent)
15606 001 LEC, 11:15am-12:30pm TTh, STSS 220, instruction mode: Classroom; Meets with: 15605 CHEM 4201, 4 cr

8221 Synthetic Polymer Chemistry

(Credit will not be granted if credit has been received for: CHEM 4221, MATS 5221, CHEN 5221, MATS 8221, CHEN 8221; prereq [Undergrad organic chemistry course, undergrad physical chemistry course] or instr consent)
14737 001 LEC, 08:15am-09:30am TTh, STSS 220, instruction mode: Classroom; Meets with: 20096 CHEM 4221, 19394 CHEN 8221, 19373 MATS 8221; Hillmyer, Marc Andrew, 4 cr

8321 Organic Synthesis

(prereq 2302 or equiv)
11162 001 LEC, 11:15am-12:05pm MWF, SmithH 231, instruction mode: Classroom; Meets with: 11163 CHEM 4321; Douglas, Christopher J., 4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
13953 001 IND, instruction mode: Classroom, 1 cr

8361 Interpretation of Organic Spectra

(prereq 2302 or equiv)
11164 001 LEC, 09:05am-09:55am MWF, SmithH 231, instruction mode: Classroom; Meets with: 11165 CHEM 4361; Que Jr, Lawrence, 4 cr

8411 Introduction to Chemical Biology

(prereq 2302 or equiv)
11166 001 LEC, 01:00pm-02:15pm TTh, STSS 220, instruction mode: Classroom; Meets with: 11167 CHEM 4411, 4 cr

8413 Nucleic Acids

(prereq 2302 or equiv)
23246 001 LEC, 11:15am-12:05pm TTh, STSS 144, instruction mode: Classroom; Meets with MEDC 8413; Tretyakova, Natalia Yurievna, 4 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14089 001 IND, instruction mode: Classroom, 1 cr

8541 Dynamics

(Credit will not be granted if credit has been received for: CHEM 5541; prereq Undergrad physical chem course)
18497 001 LEC, 11:15am-12:30pm MF, KoltH 283, instruction mode: Classroom; Truhlar, Donald G, 4 cr

8551 Quantum Mechanics I

(Credit will not be granted if credit has been received for: CHEM 5551; prereq undergrad physical chem course)
13243 001 LEC, 02:30pm-03:20pm MWF, SmithH 121, instruction mode: Classroom; Massari, Aaron, 4 cr

8561 Thermodynamics, Statistical Mechanics, and Reaction Dynamics I

(prereq undergrad physical chem course)
11168 001 LEC, 01:00pm-02:15pm MW, SmithH 111, 01:25pm-02:15pm F, SmithH 111, instruction mode: Classroom; Siepmann, Ilja, 4 cr

8601 Seminar: Modern Problems in Chemistry

(S-N only; prereq grad chem major or instr consent)
11379 001 LEC, 09:45am-11:00am TTh, SmithH 231, instruction mode: Classroom; Johns, James, 1 cr

8602 Seminar Presentation: Modern Problems in Chemistry

(A-F only; prereq grad chem major or instr consent)
26750 001 LEC, 03:35pm-06:00pm MWF, STSS 230, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14207 001 IND, instruction mode: Classroom, 1-6 cr

8715 Physical Inorganic Chemistry

(prereq 4701 or equiv, grad chem major or instr consent)
13244 001 LEC, 12:20pm-01:10pm MWF, SmithH 121, instruction mode: Classroom; Meets with: 11169 CHEM 4715, 4 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14295 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13727 001 IND, instruction mode: Classroom, 1-24 cr

CHICANO STUDIES (Chic)

19 Scott Hall, 72 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-6309, <http://chicano.umn.edu/>

1102 Latinos in the United States: Culture and Citizenship

(meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives)

17236 001 LEC, 01:00pm-02:15pm TTh, NichH 35, instruction mode: Classroom; Meets with: 21958 CHIC 1102H; Lopez Lyman, Jessica, 3 cr

1102H Latinos in the United States: Culture and Citizenship

(A-F; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives; meets HON req of Honors)
21958 001 LEC, 01:00pm-02:15pm TTh, NichH 35, instruction mode: Classroom; Meets with: 17236 CHIC 1102; Lopez Lyman, Jessica, 3 cr

1275 Service Learning in the Chicano/Latino Community

(Credit will not be granted if credit has been received for: CHIC 3275; A-F; meets CLE req of Civic Life and Ethics)
17336 001 LEC, 04:00pm-06:00pm M, NichH 115, instruction mode: Classroom; Meets with: 17248 CHIC 3275; Ganley, Kathleen Marie, 3 cr

1902 Freshman Seminar

(prereq Fr; meets CLE req of Diversity and Soc Justice US)
24281 001 LEC, 04:00pm-05:15pm TTh, NichH 355, instruction mode: Classroom; 5 seats reserved for CASA Sol Cultural House; Torres PhD, Eden E., 3 cr

3212 Chicana Studies: La Chicana in Contemporary Society

(Credit will not be granted if credit has been received for: GWSS 3410; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)
17209 001 LEC, 09:45am-11:00am TTh, AmundH 158, instruction mode: Classroom; Meets with: 24382 GWSS 3410; Lopez Lyman, Jessica, 3 cr

3275 Service Learning in the Chicano/Latino Community

(Credit will not be granted if credit has been received for: CHIC 1275; A-F; meets CLE req of Civic Life and Ethics)
17248 001 LEC, 04:00pm-06:00pm M, NichH 115, instruction mode: Classroom; Meets with: 17336 CHIC 1275; Ganley, Kathleen Marie, 3 cr

3352 Transnational Chicana/o Theory: Global Views/Borderland Spaces

25919 001 LEC, 02:30pm-03:45pm TTh, NichH 145, instruction mode: Classroom; Patino Jr, Jimmy Charles, 3 cr

3375 Folklore of Greater Mexico

(meets CLE req of Diversity and Soc Justice US)
17621 001 LEC, 04:00pm-06:30pm M, NichH 120, instruction mode: Classroom; Covarrubias, Alexandra Mendoza, 3 cr

3423 Central American Revolutions

(Credit will not be granted if credit has been received for: HIST 3423; A-F only)
25961 001 LEC, 09:45am-11:00am MW, ScottH 4, instruction mode: Classroom; McNamara, Patrick J, 3 cr

3425 History of Modern Mexico

(Credit will not be granted if credit has been received for: HIST 3425; A-F only)
34312 001 LEC, 09:45am-11:00am MW, Elth N647, instruction mode: Classroom; Meets with: 34005 HIST 3425; McNamara, Patrick J, 3 cr

3444 Chicana and Chicano History:

1821-1945
(Credit will not be granted if credit has been received for: HIST 3441, LAS 3441, HIST 3444; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives)

17711 001 LEC, 11:15am-12:30pm TTh, WullH 240, instruction mode: Classroom; Meets with: 21858 HIST 3444; Patino Jr, Jimmy Charles, 3 cr

3507W Introduction to Chicana/o Literature

(Credit will not be granted if credit has been received for: ENGL 3507W; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive)

17210 001 LEC, 11:15am-12:30pm MW, NichH 145, instruction mode: Classroom; Meets with: 25914 ENGL 3507W; Covarrubias, Alexandra Mendoza, 3 cr
21352 1002 LEC, 06:00pm-08:30pm W, NichH 145, instruction mode: Classroom; Meets with: 25915 ENGL 3507W; Covarrubias, Alexandra Mendoza, 3 cr

3672 Chicana/o Experience in the Midwest

(meets CLE req of Diversity and Soc Justice US)

25922 001 LEC, 02:30pm-03:45pm MW, NichH 145,
instruction mode: Classroom; , 3 cr

3852 Chicana/o Politics

(Credit will not be granted if credit has been received for: POL 3752; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences)

17237 001 LEC, 04:00pm-05:15pm MW, WullH 240,
instruction mode: Classroom; Meets with: 24430 POL 3752; Estrada-Perez, Jesus O., 3 cr

3900 Topics in Chicano Studies

(max crs 6; A-F)

34216 001 LEC, 04:00pm-05:15pm TTh, NichH 145,
instruction mode: Classroom; Lena Palacios will be teaching topics course "Chicanas/os-Latinas/os, Police Violence & Mass Incarceration", 3 cr

3993 Directed Studies

(max crs 16; 16 repeats allowed; prereq instr consent)

10989 001 IND, instruction mode: Classroom; Torres PhD, Eden E., 1-9 cr
34215 002 IND, instruction mode: Classroom; Patino Jr, Jimmy Charles, 1-9 cr

4231 Color of Public Policy: African Americans, American Indians, Asian Americans & Chicanos in the U.S.

(Credit will not be granted if credit has been received for: AFRO 4231, AMIN 4231, AAS 4231)

26786 001 LEC, 04:00pm-06:45pm M, NichH 335, instruction mode: Classroom; Meets with: 26788 AAS 4231, 25807 AFRO 4231, 26785 AMIN 4231; Brewer, Rose Marie, 3 cr

4232 Chicana/o - Latina/o Gender and Sexuality Studies

(Credit will not be granted if credit has been received for: GLBT 4232, GWSS 4232; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

34217 001 LEC, 06:00pm-08:30pm Th, NichH 145,
instruction mode: Classroom; Esparza, Rene, 3 cr

4901W Senior Paper

(A-F; meets CLE req of Writing Intensive)

17655 001 IND, 04:00pm-05:00pm M, ScottH 4, instruction mode: Independent/Directed Studies; Meeting in 19H Scott Hall; Torres PhD, Eden E., 3 cr

5993 Directed Studies

(max crs 16; 16 repeats allowed; prereq instr consent)

34214 001 IND, instruction mode: Classroom; Torres PhD, Eden E., 1-3 cr
18024 002 IND, instruction mode: Classroom; Patino Jr, Jimmy Charles, 1-3 cr

CHILD AND ADOLESCENT PSYCHIATRY (CAPy)

F-256/2b West, 2450 Riverside Avenue, West Bank Campus, Minneapolis, MN, 55454
612/273-9711, <http://www.med.umn.edu/psychiatry/>

7201 Diagnostic Practicum in Child and Adolescent Psychiatry

(max crs 6; HNV; prereq instr consent)

14538 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom; Contact office for more information, 612-273-9715., 1-6 cr

7203 Child and Adolescent Psychiatry for Psychology Interns: Fairview-University Medical Center

(max crs 6; O-N only; prereq instr consent)

18170 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom; Janacek, Jennifer Anne, 1-6 cr

7602 Introductory Readings and Research Methods in Child, Adolescent, and Family Psychiatry

(max crs 6; HNV; prereq Med student, instr consent)

14560 001 IND, 08/03/15-12/23/15, instruction mode: Classroom; Jensen, Jonathan Bren, 2-6 cr

7603 Inpatient Clinical Child Psychiatry for Primary Care Physicians

(max crs 12; HNV)

14964 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom; Jensen, Jonathan Bren, 2-12 cr

7604 Outpatient Elective in Child and Adolescent Psychiatry

(max crs 6; H-N)

19465 001 FWK, 08:00am-05:00pm MTWThF, . ROOM-TBA, 08/03/15-12/23/15, instruction mode: Classroom, 1-6 cr

CHILD PSYCHOLOGY (CPsy)

104 Child Development, 51 E. River Road, East Bank Campus, Minneapolis, MN, 55455
612/624-0526, <http://cehd.umn.edu/icd/>

1904 Freshman Seminar: Global

Perspectives

(A-F only; prereq Fr; meets CLE req of Global Perspectives)

18573 001 LEC, 10:10am-12:40pm T, ChDev 105, instruction mode: Classroom; Most people feel that something central about human nature is shown by the ways that people raise and treat children. It seems natural to us that parents would be motivated largely by unselfish love and concern for their children. But the historical and anthropological literature shows a much wider range of what is natural. Indeed, historians and anthropologists often find themselves taken aback at the apparent cruelty or disregard for children's welfare that parents and society seem to display in a great many human cultures, in contrast to the benevolence or warmth that is ordinary in others. In this seminar we will become better acquainted with this extraordinary variation, and how it arises from the interaction of human biological potential with the ever-changing environments that humans evolve for themselves.

2301 Introductory Child Psychology

(Credit will not be granted if credit has been received for: CPSY 3301; prereq 4 cr intro psych)

001 LEC, 11:15am-12:30pm TTh, BlegH 5, instruction mode: Classroom; No credit will be granted if credit has been received for 3301 or equivalent.; Meets with: 25795 CPSY 3301; Warren, Henriette
10844 002 DIS, 11:15am-12:05pm F, BuH 123, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S, 4 cr
10845 003 DIS, 11:15am-12:05pm F, BuH 125, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S, 4 cr
10846 004 DIS, 11:40am-12:30pm F, PeikH 215, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S, 4 cr
14685 008 LEC, 06:00pm-09:00pm T, NichH 35, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Meets with: 25815 CPSY 3301, 4 cr

3301 Introductory Child Psychology for Social Sciences

(Credit will not be granted if credit has been received for: CPSY 2301)

001 LEC, 11:15am-12:30pm TTh, BlegH 5, instruction mode: Classroom; Meets with: 10843 CPSY 2301; Warren, Henriette
25797 002 DIS, 11:40am-12:30pm F, PeikH 225, instruction mode: Classroom, 4 cr
25815 008 LEC, 06:00pm-09:00pm T, NichH 35, instruction mode: Classroom; Meets with: 14685 CPSY 2301, 4 cr

3308W Introduction to Research Methods in Child Psychology

(A-F only; prereq 2301, Psy 1001; meets CLE req of Writing Intensive)

17170 001 LEC, 09:45am-11:25am MW, BlegH 317,
instruction mode: Classroom; Elieff, Chryle Ann, 4 cr

4303 Adolescent Psychology

(A-F only; prereq Psy 1001)

10847 001 LEC, 04:00pm-05:15pm MW, Elth N119,
instruction mode: Classroom, 3 cr

4310 Special Topics in Child Development

(max crs 12; 3 repeats allowed; prereq 2301)

23924 001 LEC, instruction mode: Classroom, 1-4 cr

4311 Behavioral and Emotional Problems of Children

(A-F only; prereq 2301 or equiv)

10848 001 LEC, 04:00pm-05:15pm TTh, SmithH 231,
instruction mode: Classroom; Masten, Ann S., 3 cr

4331 Social and Personality Development

(A-F only; prereq 2301, Psy 1001)

10850 001 LEC, 01:00pm-02:15pm TTh, BlegH 317,
instruction mode: Classroom; Warren, Henriette, 3 cr

4334W Children, Youth in Society

(A-F only; prereq 2301; meets CLE req of Writing Intensive)

14714 001 LEC, instruction mode: Classroom, 3 cr

4336 Development and Interpersonal Relations

(A-F only; prereq 2301 or equiv, 4331)

24157 001 LEC, 09:45am-11:00am TTh, FolH 108, instruction mode: Classroom; Roisman, Glenn I, 4 cr

4343 Cognitive Development

(A-F only; prereq 2301)

10849 001 LEC, 02:30pm-03:45pm TTh, SmithH 331,
instruction mode: Classroom; Mazzocco, Michele M, 3 cr

4345 Language Development and Communication

(A-F only; prereq 2301)

20666 001 LEC, 11:15am-12:30pm MW, PeikH 28, instruction mode: Classroom; Sera PhD, Maria D, 3 cr

4347W Senior Project

(A-F only; prereq CPsy sr; meets CLE req of Writing Intensive)

15138 001 LEC, 02:30pm-03:20pm MW, BuH 120, instruction mode: Classroom; Must have senior status (90 credits) to register for this course.; Karatekin, Canan, 2 cr

4993 Directed Experiences in Early Childhood Education

(A-F; prereq ECE student)

21804 001 LEC, 04:00pm-06:30pm T, PeikH 155, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Lister, Marie Louise Opsahl, 3 cr

4994 Directed Research in Child Psychology

(max crs 8; 8 repeats allowed; prereq 4 cr in CPsy, instr consent , dept consent)

11361 001 IND, instruction mode: Classroom; Abery, Brian Hinton, 1-4 cr
15889 002 IND, instruction mode: Classroom; Carlson, Stephanie M, 1-4 cr
15890 003 IND, instruction mode: Classroom; Cicchetti PhD, Dante, 1-4 cr
15891 004 IND, instruction mode: Classroom; Englund, Michelle M, 1-4 cr
15892 005 IND, instruction mode: Classroom; Elison, Jed T., 1-4 cr
15893 006 IND, instruction mode: Classroom; Egeland, Byron R, 1-4 cr
15894 007 IND, instruction mode: Classroom; Georgieff, Michael K, 1-4 cr
15895 008 IND, instruction mode: Classroom; Gewirtz, Abigail, 1-4 cr
15896 009 IND, instruction mode: Classroom; Gunnar PhD, Megan R, 1-4 cr
15897 010 IND, instruction mode: Classroom; Karatekin, Canan, 1-4 cr
15898 011 IND, instruction mode: Classroom; Koenig, Melissa, 1-4 cr
15899 012 IND, instruction mode: Classroom; Kroupina, Maria, 1-4 cr
15900 013 IND, instruction mode: Classroom; Maratsos, Michael P, 1-4 cr
15901 014 IND, instruction mode: Classroom; Masten, Ann S., 1-4 cr
15902 015 IND, instruction mode: Classroom; Mazzocco, Michele M, 1-4 cr
15903 016 IND, instruction mode: Classroom; Reynolds, Arthur J., 1-4 cr
17936 017 IND, instruction mode: Classroom; Roisman, Glenn I, 1-4 cr
17937 018 IND, instruction mode: Classroom; Shlafer, Rebecca J, 1-4 cr
19604 019 IND, instruction mode: Classroom; Sera PhD, Maria D, 1-4 cr
19605 020 IND, instruction mode: Classroom; Sroufe, L Alan, 1-4 cr
19606 021 IND, instruction mode: Classroom; Thomas, Kathleen M, 1-4 cr
20026 022 IND, instruction mode: Classroom; Yonas, Albert, 1-4 cr
21134 023 IND, instruction mode: Classroom; Yussen, Steve, 1-4 cr
22608 024 IND, instruction mode: Classroom; Zelazo, Philip David, 1-4 cr
24244 025 IND, instruction mode: Classroom; Quevedo, Karina, 1-4 cr

4994V Directed Research in Child Psychology (Honors Thesis)

8996 Directed Field Experiences in Child**Psychology**

(max crs 6; S-N only; prereq Doctoral student, instr consent)

11397 001 FWK, instruction mode: Classroom, 1-6 cr

CHINESE (Chn)220 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6534, <http://all.umn.edu>**1011 Beginning Modern Chinese I**

(Credit will not be granted if credit has been received for: CHN 4001)

- 12052 001 LEC, 09:05am-09:55am MTWThF, KoltH 139, instruction mode: Partially Online; Class requires one hour a week of online work.; Meets with: 15709 CHN 4001; Tu, Yao; Johnson, Shirley Hsiu-Yuan, 6 cr
- 15543 002 LEC, 10:10am-11:00am MTWThF, KoltH 140, instruction mode: Partially Online; Class requires one hour a week of online work.; Meets with: 15710 CHN 4001; Su, Wenling; Wang, Chen; Stone, Jin YaLiang; Johnson, Shirley Hsiu-Yuan; Wu, Guanda; Tu, Yao, 6 cr
- 12054 003 LEC, 11:15am-12:05pm MTWThF, KoltH 138, instruction mode: Partially Online; Class requires one hour a week of online work.; Meets with: 15711 CHN 4001; Tu, Yao; Wu, Guanda; Johnson, Shirley Hsiu-Yuan; Stone, Jin YaLiang; Su, Wenling, 6 cr
- 17359 004 LEC, 12:20pm-01:10pm MTWThF, KoltH 140, instruction mode: Partially Online; Class requires one hour a week of online work.; Meets with: 15712 CHN 4001; Tu, Yao; Johnson, Shirley Hsiu-Yuan, 6 cr
- 17360 005 LEC, 01:25pm-02:15pm MTWThF, FolH 104, instruction mode: Partially Online; Class requires one hour a week of online work.; Meets with: 15713 CHN 4001; Wu, Guanda; Su, Wenling; Johnson, Shirley Hsiu-Yuan; Wang, Chen; Tu, Yao, 6 cr
- 17361 006 LEC, 02:30pm-03:20pm MTWThF, FolH 32, instruction mode: Partially Online; Class requires one hour a week of online work.; Meets with: 23565 CHN 4001; Tu, Yao; Wu, Guanda; Johnson, Shirley Hsiu-Yuan; Su, Wenling, 6 cr

1015 Accelerated Beginning Modern Chinese

(Credit will not be granted if credit has been received for: CHN 4005; prereq Oral/aural skills or speaker of other Chinese dialect recommended; credit will not be granted if credit received for: 1011 or 1012.)

- 21346 001 LEC, 03:35pm-04:25pm MTWThF, FolH 16, instruction mode: Classroom; Meets with: 21347 CHN 4005; Stone, Jin YaLiang, 5 cr

3021 Intermediate Modern Chinese I

(Credit will not be granted if credit has been received for: CHN 4003; prereq 1012 or 1015 or equiv or instr consent)

- 12056 001 LEC, 09:05am-09:55am MTWThF, FolH 123, instruction mode: Partially Online; One hour of online course work a week is required.; Meets with: 15716 CHN 4003; Li, Chi-Ping, 5 cr
- 12057 002 LEC, 11:15am-12:05pm MTWThF, FolH 31, instruction mode: Partially Online; One hour of online course work a week is required.; Meets with: 15717 CHN 4003; Li, Chi-Ping; Wang, Chen, 5 cr
- 12058 003 LEC, 12:20pm-01:10pm MTWThF, FolH 31, instruction mode: Partially Online; One hour of online course work a week is required.; Meets with: 15718 CHN 4003; Li, Chi-Ping, 5 cr
- 19461 004 LEC, 01:25pm-02:15pm MTWThF, KoltH 137, instruction mode: Partially Online; One hour of online course work a week is required.; Meets with: 19567 CHN 4003; Li, Chi-Ping; Stone, Jin YaLiang, 5 cr
- 19462 005 LEC, 02:30pm-03:20pm MTWThF, FolH 123, instruction mode: Partially Online; One hour of online course work a week is required.; Meets with: 20800 CHN 4003; Li, Chi-Ping, 5 cr
- 15547 006 LEC, 03:35pm-04:25pm MTWThF, FolH 32, instruction mode: Partially Online; One hour of online course work a week is required.; Meets with: 17649 CHN 4003; Li, Chi-Ping, 5 cr

3031 Advanced Modern Chinese I

(Credit will not be granted if credit has been received for: CHN 4007; prereq 3022 or equiv or instr consent)

- 16820 001 LEC, 11:15am-12:05pm MTWTh, FolH 28, instruction mode: Classroom; Meets with: 17666 CHN 4007; Li, Chi-Ping; Su, Wenling, 4 cr
- 20008 002 LEC, 01:25pm-02:15pm MTWTh, FolH 30, instruction mode: Classroom; Meets with: 22346 CHN 4007; Li, Chi-Ping; Su, Wenling, 4 cr

15056 1003 LEC, 04:40pm-05:30pm MTWTh, FolH 32, instruction mode: Classroom; Meets with: 21985 CHN 4007; Li, Chi-Ping; Su, Wenling, 4 cr

3201 Chinese Calligraphy

- 12059 1050 LAB, 06:00pm-08:00pm T, FolH 123, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; 10 seats reserved for Asian Lang & Lit mjr and minor; Zhang, Hong, 2 cr
- 15548 1051 LAB, 06:00pm-08:00pm W, FolH 122, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; 10 seats reserved for Asian Lang & Lit mjr and minor; Zhang, Hong, 2 cr

3290 Chinese Language Teaching Tutorial

(max crs 2; S-N; prereq Grade of A in 3032)

- 17945 001 FWK, instruction mode: Classroom; Department consent forms are available in 220 Folwell Hall. Meeting times arranged with instructor.; Wang, Ling, 1 cr

4001 Beginning Modern Chinese I

(Credit will not be granted if credit has been received for: CHN 1011; prereq Grad student)

- 15709 001 LEC, 09:05am-09:55am MTWThF, KoltH 139, instruction mode: Partially Online; Course requires an additional hour a week of online work.; Meets with: 12052 CHN 1011; Tu, Yao; Johnson, Shirley Hsiu-Yuan, 3 cr
- 15710 002 LEC, 10:10am-11:00am MTWThF, KoltH 140, instruction mode: Partially Online; Course requires an additional hour a week of online work.; Meets with: 15543 CHN 1011; Su, Wenling; Wang, Chen; Stone, Jin YaLiang; Johnson, Shirley Hsiu-Yuan; Wu, Guanda; Tu, Yao, 3 cr
- 15711 003 LEC, 11:15am-12:05pm MTWThF, KoltH 138, instruction mode: Partially Online; Course requires an additional hour a week of online work.; Meets with: 12054 CHN 1011; Tu, Yao; Wu, Guanda; Johnson, Shirley Hsiu-Yuan; Stone, Jin YaLiang; Su, Wenling, 3 cr
- 15712 004 LEC, 12:20pm-01:10pm MTWThF, KoltH 140, instruction mode: Partially Online; Course requires an additional hour a week of online work.; Meets with: 17359 CHN 1011; Tu, Yao; Johnson, Shirley Hsiu-Yuan, 3 cr
- 15713 005 LEC, 01:25pm-02:15pm MTWThF, FolH 104, instruction mode: Partially Online; Course requires an additional hour a week of online work.; Meets with: 17360 CHN 1011; Wu, Guanda; Su, Wenling; Johnson, Shirley Hsiu-Yuan; Wang, Chen; Tu, Yao, 3 cr
- 23565 006 LEC, 02:30pm-03:20pm MTWThF, FolH 32, instruction mode: Partially Online; Course requires an additional hour a week of online work.; Meets with: 17361 CHN 1011; Tu, Yao; Wu, Guanda; Johnson, Shirley Hsiu-Yuan; Su, Wenling, 3 cr
- 17362 1007 LEC, 04:40pm-05:30pm MTWThF, FolH 31, instruction mode: Partially Online; Course requires an additional hour a week of online work.; Meets with: 12053 CHN 1011; Tu, Yao; Johnson, Shirley Hsiu-Yuan, 3 cr

4003 Intermediate Modern Chinese I

(Credit will not be granted if credit has been received for: CHN 3021; prereq 4002, grad student)

- 15716 001 LEC, 09:05am-09:55am MTWThF, FolH 123, instruction mode: Partially Online; Meets with: 12056 CHN 3021; Li, Chi-Ping, 3 cr
- 15717 002 LEC, 11:15am-12:05pm MTWThF, FolH 31, instruction mode: Partially Online; Meets with: 12057 CHN 3021; Li, Chi-Ping; Wang, Chen, 3 cr
- 15718 003 LEC, 12:20pm-01:10pm MTWThF, FolH 31, instruction mode: Partially Online; Meets with: 12058 CHN 3021; Li, Chi-Ping, 3 cr
- 19567 004 LEC, 01:25pm-02:15pm MTWThF, KoltH 137, instruction mode: Partially Online; Meets with: 19461 CHN 3021; Li, Chi-Ping; Stone, Jin YaLiang, 3 cr
- 20800 005 LEC, 02:30pm-03:20pm MTWThF, FolH 123, instruction mode: Partially Online; Meets with: 19462 CHN 3021; Li, Chi-Ping, 3 cr
- 17649 006 LEC, 03:35pm-04:25pm MTWThF, FolH 32, instruction mode: Partially Online; Meets with: 15547 CHN 3021; Li, Chi-Ping, 3 cr

4005 Accelerated Beginning Modern Chinese

(Credit will not be granted if credit has been received for: CHN 1015; prereq Grad student, instr consent ; oral/aural skills or other Chinese dialect recommended; credit will not be granted if credit received for: 1011, 1012)

- 21347 001 LEC, 03:35pm-04:25pm MTWThF, FolH 16, instruction mode: Classroom; Meets with: 21346 CHN 1015; Stone, Jin YaLiang, 3 cr

4007 Advanced Modern Chinese I

(Credit will not be granted if credit has been received for: CHN 3031; prereq 4004, grad student)

- 17666 001 LEC, 11:15am-12:05pm MTWTh, FolH 28, instruction mode: Classroom; Meets with: 16820 CHN 3031; Li, Chi-Ping; Su, Wenling, 3 cr

22346 002 LEC, 01:25pm-02:15pm MTWTh, FolH 30, instruction mode: Classroom; Meets with: 20008 CHN 3031; Li, Chi-Ping; Su, Wenling, 3 cr

21985 1003 LEC, 04:40pm-05:30pm MTWTh, FolH 32, instruction mode: Classroom; Meets with: 15056 CHN 3031; Li, Chi-Ping; Su, Wenling, 3 cr

4041 Advanced Readings in Modern Chinese I

(prereq 3032 or instr consent)

- 22345 001 DIS, 10:10am-12:05pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Liu, Jiang; Wang, Ling, 4 cr
- 26378 002 DIS, 10:10am-12:05pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Liu, Jiang; Wang, Ling, 4 cr

5040 Readings in Chinese Texts

(max crs 12; 4 repeats allowed; A-F only; prereq 4042 or equiv or instr consent)

- 18940 001 DIS, 01:25pm-02:15pm MWF, FolH 118, instruction mode: Classroom; Zou, Zhen, 3 cr

5211 Introductory Classical Chinese I

(Credit will not be granted if credit has been received for: JPN 5211, KOR 5211; prereq Two years of an East Asian language (Chinese, Japanese, Korean) or equivalent or instr consent; credit will not be granted if credit received for: Chn 3111 or CHN 5211)

- 25017 001 DIS, 12:20pm-01:10pm MWF, FolH 3, instruction mode: Classroom; Meets with: 25018 JPN 5211, 25019 KOR 5211; Rouzer, Paul F, 3 cr

CIVIL, ENVIRONMENTAL, AND GEO-ENGINEERING (CEGE)**1101 Orientation to Civil, Environmental, and Geo-Engineering (S-N only; prereq Lower div)**

- 19960 001 LEC, 02:30pm-03:20pm M, CivE 212, instruction mode: Classroom, 1 cr

3101 Computer Applications in Civil Engineering I

(A-F only; prereq MATH 1272, PHYS 1301, CSE)

- 11007 001 LEC, 02:30pm-03:45pm TTh, STSS 220, instruction mode: Classroom; Barnes, Randal J, 3 cr

3102 Uncertainty and Decision Analysis in Civil Engineering

(A-F only; prereq MATH 1372 or equiv)

- 001 LEC, 10:10am-11:00am TTh, CivE 210, instruction mode: Classroom; Davis, Gary Arnold
- 20852 002 DIS, 08:00am-08:50am Th, CivE 202, instruction mode: Classroom; Davis, Gary Arnold, 3 cr
- 20850 003 DIS, 09:05am-09:55am Th, CivE 202, instruction mode: Classroom; Davis, Gary Arnold, 3 cr
- 20851 004 DIS, 02:30pm-03:20pm W, CivE 205, instruction mode: Classroom; Davis, Gary Arnold, 3 cr

3111 CADD for Civil Engineers

(A-F; prereq 3201)

- 34269 001 LAB, 12:20pm-02:15pm MW, CivE 221, instruction mode: Classroom, 2 cr

3201 Transportation Engineering

(prereq PHYS 1301, 3101, 3102)

- 001 LEC, 08:15am-09:30am MW, CivE 202, instruction mode: Classroom; Levinson, David M
- 11011 002 DIS, 02:30pm-03:20pm Th, CivE 202, instruction mode: Classroom; Levinson, David M, 3 cr
- 11012 003 DIS, 04:00pm-04:50pm Th, CivE 202, instruction mode: Classroom; Levinson, David M, 3 cr
- 11013 1004 DIS, 05:30pm-06:20pm Th, CivE 202, instruction mode: Classroom; Levinson, David M, 3 cr

3202 Surveying and Mapping

(A-F only; prereq MATH 1271, MATH 1272), [CSE or Construction Mgmt]

- 001 LEC, 02:30pm-03:45pm W, CivE 212, instruction mode: Classroom
- 11016 002 LAB, 12:45pm-03:30pm T, CivE 188, instruction mode: Classroom, 2 cr
- 26036 003 LAB, 04:00pm-06:45pm T, CivE 188, instruction mode: Classroom, 2 cr
- 34270 004 LAB, 12:45pm-03:30pm Th, . NORMREQD, instruction mode: Classroom, 2 cr

3301 Soil Mechanics I

(A-F only; prereq CSE, AEM 3031)

- 001 LEC, 01:00pm-02:15pm MW, CivE 210, instruction mode: Classroom; Detournay, Emmanuel Michel

(Credit will not be granted if credit has been received for: WRS 8581, CEGE 8581; A-F only; prereq 4411, 4413 or instr consent; offered alt yrs)

34333 001 LEC, 01:00pm-02:15pm MW, CivE 205, instruction mode: Classroom; Le, Jialiang, 3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14088 001 IND, instruction mode: Classroom, 1 cr

8500 Environmental Seminar

(max crs 3; 3 repeats allowed; S-N only; prereq grad CE major or instr consent)

17207 001 LEC, 01:00pm-01:50pm F, CivE 205, instruction mode: Classroom, 1 cr

8506 Stochastic Hydrology

(A-F only; prereq Stat 3021 or equiv or instr consent)

34147 001 LEC, 01:25pm-03:20pm TTh, CivE 205, instruction mode: Classroom; Fouloufa, Efi, 4 cr

8551 Environmental Microbiology:

Molecular Theory and Methods

(A-F only; prereq 5551 or instr consent)

001 LEC, 11:15am-12:30pm TTh, CivE 202, instruction mode: Classroom; Behrens, Sebastian Felix
34274 002 LAB, 01:30pm-04:30pm T, CivE 657, instruction mode: Classroom; Behrens, Sebastian Felix, 4 cr

8602 Stream Restoration Practice

(Credit will not be granted if credit has been received for: ESCI 8602, EEB 8602; S-N; prereq 8601 or Geo 8601)

34148 1001 LAB, 04:30pm-06:30pm W, CivE 202, instruction mode: Classroom; Voller, Vaughan Richard, 2 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14206 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14294 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13726 001 IND, instruction mode: Classroom, 1-24 cr

CLASSICAL AND NEAR EASTERN STUDIES (CNES)

245 Nicholson Hall, 216 Pillsbury Drive, East Bank Campus, Minneapolis, MN, 55455
612/625-5353, <http://cnes.cla.umn.edu/>

1002 World of Greece

(credit will not be granted if credit received for: CLAS 1008; meets CLE req of Historical Perspectives)

21481 001 LEC, 12:20pm-01:10pm MWF, Mayo C231, instruction mode: Classroom; 12 seats reserved for Acting BFA students; Nappa, Christopher, 3 cr

1042 Greek and Roman Mythology

(Credit will not be granted if credit has been received for: CNES 1042H; meets CLE req of Arts/Humanities)

001 LEC, 11:15am-12:05pm MF, BlegH 5, instruction mode: Classroom; Meets with: 12348 CNES 1042H; Krevans, Nita
11937 002 DIS, 08:15am-09:30am T, NichH 345, instruction mode: Classroom, 4 cr
11938 003 DIS, 08:15am-09:30am Th, NichH 345, instruction mode: Classroom, 4 cr
11939 004 DIS, 09:45am-11:00am T, Room TBA, TCEASTBANK, instruction mode: Classroom, 4 cr
11940 005 DIS, 09:45am-11:00am Th, Room TBA, TCEASTBANK, instruction mode: Classroom, 4 cr
11941 006 DIS, 11:15am-12:30pm T, NichH 335, instruction mode: Classroom, 4 cr
17743 007 DIS, 11:15am-12:30pm Th, NichH 335, instruction mode: Classroom, 4 cr

1042H Honors Course: Greek and Roman Mythology

(Credit will not be granted if credit has been received for: CNES 1042; A-F; prereq Honors or instr consent;

meets CLE req of Arts/Humanities; meets HON req of Honors)

001 LEC, 11:15am-12:05pm MF, BlegH 5, instruction mode: Classroom; Meets with: 11936 CNES 1042; Krevans, Nita
12349 002 DIS, 11:15am-12:30pm W, CivE 213, instruction mode: Classroom; 15 seats reserved for Freshman and FRFY for Freshman; 5 seats reserved for Honors, Soph or Jr or Sr; Krevans, Nita, 4 cr

1201 The Bible: Context and Interpretation

(Credit will not be granted if credit has been received for: RELS 3201, CNES 3201, JWST 1201, JWST 3201, RELS 1201; meets CLE req of Literature)

21502 001 LEC, 02:30pm-03:45pm TTh, NichH 155, instruction mode: Classroom; Meets with: 21503 CNES 3201, 20594 JWST 1201, 20595 JWST 3201, 20591 RELS 1201, 20592 RELS 3201; Levinson, Hanne Loeland, 3 cr

1903 Freshman Seminar

(prereq Fr; meets CLE req of Civic Life and Ethics)

26016 001 LEC, 09:45am-11:00am MW, NichH 145, instruction mode: Classroom; Homer's Odyssey and the Politics of Early Greek Society; Olson, S. Douglas, 3 cr

3104 Ancient Rome: Kings and Consuls

34195 001 LEC, 01:00pm-02:15pm MW, NichH 125, instruction mode: Classroom; Cole, Spencer E, 3 cr

3108 Age of St. Augustine of Hippo

34149 1001 LEC, 04:40pm-07:10pm Th, BuH 120, instruction mode: Classroom; Nicholson, Oliver, 3 cr

3201 The Bible: Context and Interpretation

(Credit will not be granted if credit has been received for: RELS 3201, CNES 1201, JWST 1201, JWST 3201, RELS 1201; prereq Knowledge of Hebrew not required; meets CLE req of Literature)

21503 001 LEC, 02:30pm-03:45pm TTh, NichH 155, instruction mode: Classroom; Meets with: 21502 CNES 1201, 20594 JWST 1201, 20595 JWST 3201, 20591 RELS 1201, 20592 RELS 3201; Levinson, Hanne Loeland, 3 cr

3535 Death and the Afterlife in the Ancient World

(Credit will not be granted if credit has been received for: RELS 3535, CNES 5535; meets CLE req of Arts/Humanities)

34198 001 LEC, instruction mode: Classroom; Levinson, Hanne Loeland, 3 cr

3951W Major Project

(prereq Three 3xxx ANE courses, [major in ANE or CNEA or ReIS], instr consent; meets CLE req of Writing Intensive)

18445 001 IND, instruction mode: Classroom; Contact department to enroll in course.; Cole, Spencer E, 4 cr
20171 002 IND, instruction mode: Classroom; Contact department to enroll in course.; Krevans, Nita, 4 cr
20172 003 IND, instruction mode: Classroom; Contact department to enroll in course.; Kilde, Jeanne Halgren, 4 cr
20173 004 IND, instruction mode: Classroom; Contact department to enroll in course.; Nappa, Christopher, 4 cr
20176 005 IND, instruction mode: Classroom; Contact department to enroll in course.; Canepa, Matthew P., 4 cr
20174 006 IND, instruction mode: Classroom; Contact department to enroll in course.; Schneller, Renana Segal, 4 cr
20175 007 IND, instruction mode: Classroom; Contact department to enroll in course.; Sellw, Philip, 4 cr
20177 008 IND, instruction mode: Classroom; Contact department to enroll in course.; Sheets, George A, 4 cr
20178 009 IND, instruction mode: Classroom; Contact department to enroll in course.; Smith, Stephen, 4 cr
20180 010 IND, instruction mode: Classroom; Contact department to enroll in course.; Asher, Catherine B, 4 cr
22238 011 IND, instruction mode: Classroom; Contact department to enroll in course.; Gallia, Andrew B, 4 cr
34702 012 IND, instruction mode: Classroom; Contact department to enroll in course.; Ahearne-Kroll, Pat, 4 cr
34703 013 IND, instruction mode: Classroom; Contact department to enroll in course.; Levinson PhD, Bernard M., 4 cr
34704 014 IND, instruction mode: Classroom; Contact department to enroll in course.; Levinson, Hanne Loeland, 4 cr
34712 015 IND, instruction mode: Classroom; Contact department to enroll in course.; Nicholson, Oliver, 4 cr
34713 016 IND, instruction mode: Classroom; Contact department to enroll in course.; Olson, S. Douglas, 4 cr

3993 Directed Studies

(max crs 16; 4 repeats allowed; prereq instr consent)

18446 001 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Cole, Spencer E, 1-4 cr

22947 002 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Gallia, Andrew B, 1-4 cr

22948 003 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Krevans, Nita, 1-4 cr

22949 004 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Kilde, Jeanne Halgren, 1-4 cr

22950 005 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Nappa, Christopher, 1-4 cr

22951 006 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Nicholson, Oliver, 1-4 cr

22952 007 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Schneller, Renana Segal, 1-4 cr

22953 008 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Sellw, Philip, 1-4 cr

22954 009 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Sheets, George A, 1-4 cr

22955 010 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Smith, Stephen, 1-4 cr

22957 011 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Canepa, Matthew P., 1-4 cr

22958 012 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Asher, Catherine B, 1-4 cr

22960 013 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Ahearne-Kroll, Pat, 1-4 cr

34707 014 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Levinson PhD, Bernard M., 1-4 cr

34708 015 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Levinson, Hanne Loeland, 1-4 cr

34711 016 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Olson, S. Douglas, 1-4 cr

5794 Introduction to Classical and Near Eastern Studies

(S-N only; prereq grad major or minor or instr consent)

15665 001 LEC, 02:30pm-03:20pm F, NichH 201, instruction mode: Classroom; Sellw, Philip, 1 cr

5993 Directed Studies

(max crs 12; 4 repeats allowed)

11888 001 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Cole, Spencer E, 1-4 cr
22961 002 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Kilde, Jeanne Halgren, 1-4 cr
22962 003 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Krevans, Nita, 1-4 cr
22963 004 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Levinson PhD, Bernard M., 1-4 cr
22964 005 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Nappa, Christopher, 1-4 cr
22965 006 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Nicholson, Oliver, 1-4 cr
22966 007 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Schneller, Renana Segal, 1-4 cr
22967 008 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Sellw, Philip, 1-4 cr
22968 009 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Sheets, George A, 1-4 cr
22970 010 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Smith, Stephen, 1-4 cr
22972 011 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Asher, Catherine B, 1-4 cr
24225 012 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Canepa, Matthew P., 1-4 cr
34716 013 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Ahearne-Kroll, Pat, 1-4 cr
34717 014 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Levinson, Hanne Loeland, 1-4 cr

34719 015 IND, instruction mode: Classroom; Please contact dept office for registration instructions. Limited to CNES graduate students.; Olson, S. Douglas, 1-4 cr

5994 Directed Research

(max crs 12)
11890 001 IND, instruction mode: Classroom, 1-12 cr

5996 Directed Instruction

(max crs 12)
11889 001 IND, instruction mode: Classroom; Ahearne-Kroll, Stephen P., 1-12 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
16214 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
16215 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
16216 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
16217 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credits: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
16218 001 IND, instruction mode: Classroom, 1-24 cr

CLASSICAL CIVILIZATION (CICv)

245 Nicholson Hall, 216 Pillsbury Drive, East Bank Campus, Minneapolis, MN, 55455
612/625-5353, <http://clcv.cla.umn.edu>

3993 Directed Studies in Classical Civilization

(max crs 4; prereq instr consent)
18443 001 IND, instruction mode: Classroom, 1-4 cr

3994 Directed Research in Classical Civilization

(max crs 4; prereq instr consent)
18444 001 IND, instruction mode: Classroom, 1-4 cr

CLINICAL LABORATORY SCIENCES PROGRAM (CLSP)

15-194 Phillips Wangensteen Bldg (MMC 711), 420 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455
877/334-2659, <http://www.cls.umn.edu/>

4601W Management and Professional Issues

(max crs 4; A-F; prereq 4602, CLSP student; meets CLE req of Writing Intensive)
25649 001 LEC, instruction mode: Correspondence; Spannaus-Martin, Donna J, 2 cr
25650 002 LEC, instruction mode: Correspondence; Spannaus-Martin, Donna J, 2 cr

4701 Applied Diagnostic Microbiology

(S-N only; prereq 4102, 4101 enrolled CLSP student, instr consent)
12924 001 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Brennecke, Patricia Johnson, 2 cr
19984 002 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Brennecke, Patricia Johnson, 2 cr

4702 Applied Clinical Hematology/Hemostasis

(S-N only; prereq 4201, 4202, 4203, enrolled CLSP student, instr consent)
12922 001 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Brennecke, Patricia Johnson, 2 cr

19985 002 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Brennecke, Patricia Johnson, 2 cr

4703 Applied Clinical Chemistry and Urinalysis

(S-N only; prereq 4301, 4302, 4304, 4305, enrolled CLSP student, instr consent)
12921 001 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Brennecke, Patricia Johnson, 2 cr
19986 002 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Brennecke, Patricia Johnson, 2 cr

4704 Applied Transfusion Medicine

(S-N only; prereq 4501, 4502, enrolled CLSP student, instr consent)
12923 001 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Brennecke, Patricia Johnson, 2 cr
19987 002 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Brennecke, Patricia Johnson, 2 cr

CLINICAL PHYSIOLOGY AND MOVEMENT SCIENCE (CPMS)

5101 Introduction to Clinical Physiology and Movement Science

(max crs 6; A-F only)
21390 001 LEC, 01:25pm-03:55pm M, AkerH 211, instruction mode: Classroom; Konczak PhD, Juergen, 3 cr

5201 Colloquium in Clinical Physiology and Movement Science

(max crs 4; 4 repeats allowed; S-N only; prereq Undergrad level in basic anatomy and physiology is highly recommended)
21939 001 LEC, 03:30pm-05:00pm T, WaLib 405, 04:00pm-05:00pm M, WaLib 405, instruction mode: Classroom; Anderson, John Harold, 1 cr

COGNITIVE SCIENCE (CgSc)

205 Elliott Hall, 75 E River Road, East Bank Campus, Minneapolis, MN, 55455
612/625-9367, <http://www.cogsci.umn.edu/>

8360 Seminar: Topics in Cognitive Science

(max crs 24; 6 repeats allowed; prereq Grad cog sci minor or instr consent)
24625 001 LEC, 02:00pm-04:00pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 22044 NSC 5040; Amirikian, Bagrat, 1-4 cr

8410 Perspectives in Learning, Perception, and Cognition

(max crs 24; 12 repeats allowed; S-N)
17935 001 LEC, 04:00pm-05:30pm Th, EltH N647, instruction mode: Classroom; Gershenson, Celia Wolk, 2 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser consent, DGS consent)
26382 001 IND, instruction mode: Classroom, 1 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer, 24 cr required)
23365 001 IND, instruction mode: Classroom, 1-24 cr

8991 Independent Study

(max crs 15; 5 repeats allowed; prereq instr consent)
20268 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

COLLEGE OF FOOD, AGRI & NATURAL RESOURCE SCIENCES (CFAN)

1101 Dean's Engaged Leaders Seminar

(A-F; prereq Incoming 1st-yr CFANS students only)
21365 001 LEC, 03:00pm-04:30pm W, CofH 125, STPAUL, 09/08/15-05/06/16, instruction mode: Classroom; Dupont-Jarrett, Laura M; Bellcourt EdD, Mark A, 3 cr

1201 Discovering Majors and Careers

(A-F)
20824 001 LEC, 09:35am-10:25am W, PetH 145, STPAUL, 09/23/15-12/16/15, instruction mode: Classroom; This is a 12-week course; Meets with: 25557 DES 1202; Dillon, Tara C, 1 cr

1902 Topics: Freshman Seminar

(prereq freshman; meets CLE req of Diversity and Soc Justice US)
19765 001 LEC, 03:00pm-05:30pm Th, RuttanH B26, STPAUL, instruction mode: Classroom; 3 seats reserved for SEAM - EXPIRES 26-AUG-2015; Hassel, Craig Alan; Lorenz, Karl W, 3 cr

1905 Topics: Freshman Seminar

(max crs 3; A-F only; prereq Fr)
33857 001 LEC, 04:00pm-05:15pm TTh, PetH 145, instruction mode: Classroom; McCarthy, Lauren F, 1-3 cr

3000 Directed Studies in International

Agriculture
(max crs 8; 3 repeats allowed; A-F only; prereq instr consent)
15273 001 LEC, instruction mode: Classroom, 2-4 cr

3201 Career and Internship Preparation

(A-F; prereq Soph or jr or sr or grad student; credit will not be granted if credit received for: 3201)
17246 001 LEC, 11:45am-12:35pm T, McNH 395, STPAUL, instruction mode: Classroom; Meets with: 24174 ICP 3201; Newberg, Sara Nagel, 1 cr
22829 002 LEC, 04:05pm-04:55pm W, McNH 144, STPAUL, instruction mode: Classroom; Meets with: 24173 ICP 3201; Hanson, Matthew R, 1 cr
22830 003 LEC, 11:45am-12:35pm Th, McNH 395, STPAUL, instruction mode: Classroom; Meets with: 22943 ICP 3201; Okstad, Brian Clay, 1 cr

3333 Insects, Microbes and Plants

(A-F; meets CLE req of Technology and Society)
001 LEC, 11:45am-12:35pm MW, McNH 146, STPAUL, instruction mode: Classroom; Prescott, Kristina; Arenz, Brett Evan
24308 002 DIS, 11:45am-01:15pm F, McNH 146, STPAUL, instruction mode: Classroom; Prescott, Kristina; Arenz, Brett Evan, 3 cr

3900 Topics in International Agriculture

(max crs 25; 10 repeats allowed; A-F only; prereq instr consent)
15875 001 IND, instruction mode: Classroom, 1-4 cr

4801H Honors Thesis

(A-F; meets HON req of Honors)
21283 001 IND, instruction mode: Independent/Directed Studies, 3 cr

5201 Career and Job Search Preparation for Graduate Students

(S-N; prereq Grad student)
21364 001 LEC, instruction mode: Classroom, 1 cr

COLLEGE OF LIBERAL ARTS (CLA)

49 Johnston Hall, 101 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-2020, <http://www.cla.umn.edu>

1001 CLA First-Year Experience I

(Credit will not be granted if credit has been received for: CLA 1001H; S-N; prereq CLA)
20052 001 LEC, instruction mode: Correspondence; 9999 seats reserved for CLA and FRFY; Spangle, Paul J, 1 cr

1005 Introduction to Liberal Arts Learning

(A-F; prereq CLA ATS fr)
001 LEC, 02:30pm-03:45pm M, BlegH 5, instruction mode: Classroom; Williams, Andrew L
19305 002 DIS, 02:30pm-03:45pm W, FordH B10, instruction mode: Classroom; 22 seats reserved for CATS (CLA Pres Emerg Scholars); Milojevic, Leah Anne, 3 cr
19306 003 DIS, 02:30pm-03:45pm W, FordH 155, instruction mode: Classroom; 22 seats reserved for CATS (CLA Pres Emerg Scholars); Williams, Andrew L, 3 cr
19307 004 DIS, 02:30pm-03:45pm W, FolH 112, instruction mode: Classroom; 24 seats reserved for CATS (CLA Pres Emerg Scholars); 3 cr
19308 005 DIS, 02:30pm-03:45pm W, FordH 170, instruction mode: Classroom; 22 seats reserved for CATS (CLA Pres Emerg Scholars); Onyilofor, Nneka Cherie, 3 cr
19309 006 DIS, 02:30pm-03:45pm W, FordH 150, instruction mode: Classroom; 24 seats reserved for CATS (CLA Pres Emerg Scholars); 3 cr
19310 007 DIS, 02:30pm-03:45pm W, FordH 115, instruction mode: Classroom; 24 seats reserved for CATS (CLA Pres Emerg Scholars); 3 cr

19311 008 DIS, 02:30pm-03:45pm W, FordH 110, instruction mode: Classroom; 24 seats reserved for CATS (CLA Pres Emerg Scholars), 3 cr
 19312 009 DIS, 02:30pm-03:45pm W, FordH 151, instruction mode: Classroom; 24 seats reserved for CATS (CLA Pres Emerg Scholars), 3 cr

1200 Topics

(max crs 20; 4 repeats allowed)

26557 001 LEC, 09:55am-10:45am MTWThF, . NORMREQD, instruction mode: Classroom; This course will be taught by Dian Mawene who is based at the University of Wisconsin-Madison., 1-5 cr
 26722 002 LEC, 08:40am-09:30am MTWThF, LindH 216, instruction mode: Classroom; This course will be taught by Adeola Agoke who is based at the University of Wisconsin-Madison., 1-5 cr

1902 Topics: Freshman Seminar

(max crs 6; A-F only; prereq freshman; meets CLE req of Diversity and Soc Justice US)

26333 003 LEC, instruction mode: Classroom; This class meets in Rarig 210 on Wednesdays, 1:25-2:40 p.m. with CLA 1902 002.; Meets with: 26605 CLA 1902, 3 cr

1905 Topics: Freshman Seminar

(A-F only; prereq freshman)

26607 003 LEC, 02:00pm-05:00pm M., NONSTD-TBA, instruction mode: Classroom; Section 003 will meet with Section 002 in Amundson Hall 116 on the first day of class. Occasionally, Section 003 will meet separately with Professor Werry in Amundson Hall 104. See instructor for more information.; Werry, Margaret L, 3 cr

1908W Topics: Freshman Seminar

(A-F only; prereq freshman; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

26608 002 LEC, 01:00pm-02:15pm MW, FordH 155, instruction mode: Classroom; Lecture 1:00pm-2:15pm M will be held in Nicholson Hall 125; Kost, Kiley M, 3 cr

COLLEGE OF SCIENCE AND ENGINEERING (CSE)

106 Lind Hall, 207 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/624-8504, <http://www.cse.umn.edu>

1 Fundamentals of Engineering Review (E.I.T. Refresher)

(S-N only; prereq Bachelor's degree in engineering)

14496 1001 LEC, 06:00pm-09:00pm T., . NORMREQD, OFFCAMPUS, 08/07/15-06/15/16, instruction mode: Correspondence; (S-N only; prereq Bachelor's degree in engineering) (course fee equivalent to 2 credits); Nordell, Daniel Edwin, 0 cr

1001 First Year Experience

(A-F; prereq CSE, fr)

21862 001 LEC, 08:00am-08:50am M, STSS 530A, instruction mode: Classroom; Kelso, Frank M; Sharpe, Benjamin G, 1 cr
 21863 002 LEC, 08:00am-08:50am M, AmundH 240, instruction mode: Classroom; Barnes, Randal J; Mixon, Joel David, 1 cr
 21864 003 LEC, 08:00am-08:50am T, STSS 512B, instruction mode: Classroom; Cooper, William L.; Froistad, Angela Marie, 1 cr
 21865 004 LEC, 08:00am-08:50am T, STSS 420B, instruction mode: Classroom; Leger, James Robert; Haagenson, Kayte Anne, 1 cr
 21866 005 LEC, 08:00am-08:50am W, STSS 530A, instruction mode: Classroom; Students interested in CSE 1002 with travel option to Spain - January, 2015 - should register for this section.; Hagerty, Meagan Lee; Johnson, Ann M, 1 cr
 21867 006 LEC, 08:00am-08:50am W, AmundH 240, instruction mode: Classroom; Flaten, James Alfred; Pyawasay, Sasanehsaeh Margaret, 1 cr
 21868 007 LEC, 08:00am-08:50am F, STSS 420B, instruction mode: Classroom; Jones, Terry J; Koch, Ben, 1 cr
 21869 008 LEC, 08:00am-08:50am F, AmundH 240, instruction mode: Classroom; French, Catherine Ellen; Allen, Kevin Patrick, 1 cr
 21870 009 LEC, 09:05am-09:55am F, STSS 420B, instruction mode: Classroom; Lingren Clark PhD, Beth Maxine; Alexander, Jennifer Karns, 1 cr
 21871 010 LEC, 10:10am-11:00am F, AmundH 240, instruction mode: Classroom; Students interested in CSE 1002 with travel option to London, England - January, 2015 - should register for this section.; Tonks, Ian; Dukart, Kyle J, 1 cr

21872 011 LEC, 11:15am-12:05pm F, AmundH 240, instruction mode: Classroom; Kaveh, Mostafa; Gilbert, Scott E, 1 cr
 21912 012 LEC, 12:20pm-01:10pm F, AmundH 240, instruction mode: Classroom; Hogan, Chris; Tiemens-Anderson, Samantha J, 1 cr
 21913 013 LEC, 01:25pm-02:15pm F, AkerH 225, instruction mode: Classroom; Kortshagen, Uwe Richard; Klaers, Kelsi Dayle, 1 cr
 21914 014 LEC, 09:05am-09:55am T, AmundH 240, instruction mode: Classroom; Weimerskirch, Mike; Wiesner, Laura Marie, 1 cr
 21915 015 LEC, 03:35pm-04:25pm T, AmundH 240, instruction mode: Classroom; Feist, Kristie Marie; Magner, Joe A, 1 cr
 21916 1016 LEC, 04:40pm-05:30pm M, AmundH 240, instruction mode: Classroom; Sartori, John M; Taylor Jr, Leonard, 1 cr
 21917 1017 LEC, 04:40pm-05:30pm T, FordH 130, instruction mode: Classroom; Sidiropoulos, Nikolaos; Dowd, Katherine, 1 cr
 25536 018 LEC, 02:30pm-03:20pm W, AmundH 240, instruction mode: Classroom; Students interested in CSE 1002 with travel option to Brazil - January, 2015 - should register for this section.; Tschirner, Ulrike Waltrau; Pagel, Adam Paul, 1 cr
 21919 1019 LEC, 04:40pm-05:30pm W, AmundH 240, instruction mode: Classroom; Francis, Lorraine F; Moore, Whitney A, 1 cr
 21920 1020 LEC, 04:40pm-05:30pm T, AmundH 240, instruction mode: Classroom; Guzina, Bojan B; Rudy, Jacob, 1 cr
 23142 021 LEC, 08:00am-08:50am T, AmundH 240, instruction mode: Classroom; Liberman, James E; Akkin, Taner, 1 cr
 23231 022 LEC, 11:15am-12:05pm T, AmundH 240, instruction mode: Classroom; Students interested in CSE 1002 with travel option to Italy - January, 2015 - should register for this section.; Rudy, Jacob; Feinberg, Joshua M., 1 cr
 24186 023 LEC, 03:35pm-04:25pm M, AmundH 240, instruction mode: Classroom; Gbolo, Simone Zazama; Leopold, Kenneth R, 1 cr
 24187 024 LEC, 03:35pm-04:25pm W, AmundH 240, instruction mode: Classroom; Students interested in CSE 1002 with travel option to Hong Kong - January, 2015 - should register for this section.; Cheng, Dorothy Shuien; Kudrowitz, Barry, 1 cr
 24188 025 LEC, 02:30pm-03:20pm M, AmundH 240, instruction mode: Classroom; Students interested in CSE 1002 with travel option to Germany and Belgium - January, 2015 - should register for this section.; Stadler, Bethanie J. Hills; Finlayson, Dave, 1 cr
 24189 026 LEC, 02:30pm-03:20pm T, AmundH 240, instruction mode: Classroom; Kakaliou, James; Behr, Jessica Renee, 1 cr
 32489 027 LEC, 09:05am-09:55am W, NichH 115, instruction mode: Classroom, 1 cr

1101 Environmental Issues and Solutions (prereq High school chemistry or equiv, one yr high school algebra; meets CLE req of Environment; meets CLE req of Physical Sciences)

001 LEC, 11:15am-12:30pm TTh, AmundH B75, instruction mode: Classroom; Wabner, Kathy Cudo; LaPara, Timothy M
 13437 002 LAB, 09:00am-12:00pm M, CivE 650, instruction mode: Classroom; Wabner, Kathy Cudo; LaPara, Timothy M, 4 cr
 13436 003 LAB, 01:00pm-04:00pm M, CivE 650, instruction mode: Classroom; Wabner, Kathy Cudo; LaPara, Timothy M, 4 cr
 13438 004 LAB, 01:00pm-04:00pm T, CivE 650, instruction mode: Classroom; LaPara, Timothy M, 4 cr
 26257 005 LAB, 01:00pm-04:00pm W, CivE 650, instruction mode: Classroom; LaPara, Timothy M; Wabner, Kathy Cudo, 4 cr

1905 Freshman Seminar

(max crs 2; A-F; prereq freshman)

15292 003 DIS, 02:30pm-03:45pm M, STSS 530A, instruction mode: Classroom; Topic prereq Fr with less than 30 cr or FYFR; Marshall, Julian, 1 cr

COMMUNICATION STUDIES (Comm)

225 Ford Hall, 224 Church St SE, East Bank Campus, Minneapolis, MN, 55455
 612/624-5800, <http://www.comm.umn.edu>

1101 Introduction to Public Speaking

(Credit will not be granted if credit has been received for: RHET 1223, PSTL 1461, COMM 1101H; meets CLE req of Civic Life and Ethics)

11105 001 LEC, 08:15am-09:30am MW, FordH B29, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11106 002 LEC, 08:15am-09:30am TTh, FordH 151, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11107 003 LEC, 08:15am-09:30am TTh, FordH B10, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11108 004 LEC, 08:15am-09:30am TTh, FordH B15, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11109 005 LEC, 08:15am-09:30am TTh, FordH 127, instruction mode: Classroom; ATS Students Only; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 13525 006 LEC, 08:15am-09:30am TTh, FordH B80, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11110 007 LEC, 09:05am-09:55am MWF, FordH B10, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11111 008 LEC, 09:45am-11:00am TTh, FordH B15, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11112 009 LEC, 09:45am-11:00am TTh, FordH 127, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11113 010 LEC, 11:15am-12:05pm MWF, FordH B15, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11114 011 LEC, 11:15am-12:30pm TTh, FordH B15, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 13527 012 LEC, 11:15am-12:30pm TTh, FordH 127, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11115 013 LEC, 12:20pm-01:10pm MWF, FordH B10, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11116 014 LEC, 01:00pm-02:15pm TTh, FordH B10, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 11117 015 LEC, 01:00pm-02:15pm TTh, FordH B15, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 13528 016 LEC, 01:00pm-02:15pm TTh, FordH 127, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 13269 017 LEC, 02:30pm-03:45pm MW, FordH B15, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 13529 018 LEC, 02:30pm-03:45pm MW, FordH 127, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 13566 019 LEC, 02:30pm-03:45pm TTh, FordH B10, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 13270 020 LEC, 02:30pm-03:45pm TTh, FordH B15, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 13564 021 LEC, 02:30pm-03:45pm TTh, FordH 127, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 17414 022 LEC, 04:00pm-05:15pm MW, FordH B80, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 19397 023 LEC, 04:00pm-05:15pm MW, FordH B29, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 18140 024 LEC, 04:00pm-05:15pm TTh, FordH 127, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 18141 025 LEC, 04:00pm-05:15pm TTh, FordH B80, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 18142 026 LEC, 09:35am-10:25am MWF, RuttanH B22, STPAUL, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 18143 027 LEC, 10:40am-11:30am MWF, RuttanH B22, STPAUL, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 18144 028 LEC, 12:50pm-01:40pm MWF, RuttanH B22, STPAUL, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr
 33917 1029 LEC, 06:00pm-09:00pm M, FordH B29, instruction mode: Classroom; 1 seat reserved for NASS - New Advanced Standing S.; 3 cr

1101H Honors: Introduction to Public Speaking

(Credit will not be granted if credit has been received for: RHET 1223, PSTL 1461, COMM 1101; A-F; prereq Honors; meets CLE req of Civic Life and Ethics; meets HON req of Honors)

21822 001 LEC, 09:45am-11:00am TTh, FordH B60, instruction mode: Classroom; Nordin, John P, 3 cr

21823 002 LEC, 04:00pm-05:15pm TTh, FordH B15,
instruction mode: Classroom; Behme, Timothy Donald, 3 cr

1313W Analysis of Argument

(meets CLE req of Writing Intensive)

18016 001 LEC, 08:00am-08:50am MWF, FordH B15,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
11119 002 LEC, 09:05am-09:55am MWF, FordH B15,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
11120 003 LEC, 11:15am-12:05pm MWF, FordH 127,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
11121 004 LEC, 12:20pm-01:10pm MWF, FordH B15,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
11122 005 LEC, 01:25pm-02:15pm MWF, FordH 127,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
11123 006 LEC, 09:45am-11:00am TTh, FordH B80,
instruction mode: Classroom; 5 seats reserved for NASS -
New Advanced Standing S; , 3 cr
13271 007 LEC, 11:15am-12:30pm TTh, FordH B80,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
15808 008 LEC, 04:00pm-05:15pm MW, FordH B15,
instruction mode: Classroom; Debate team; class
permission numbers required; Meets with: 15809 COMM
3110; Helwich, David A, 3 cr
17415 009 LEC, 01:00pm-02:15pm TTh, FordH B80,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
11118 010 LEC, 04:00pm-05:15pm TTh, FordH B29,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
33920 011 LEC, 06:00pm-09:00pm W, FordH 127, instruction
mode: Classroom; 1 seat reserved for NASS - New
Advanced Standing S, 3 cr

1905 Freshman Seminar

(max crs 6; A-F only; prereq Fr)

31484 001 LEC, 09:45am-11:00am TTh, STSS 420B,
instruction mode: Classroom, 3 cr

3110 Topics in Communication Studies

(Credit will not be granted if credit has been received
for: COMM 3110H; max crs 15; 5 repeats allowed)

15809 001 LEC, 04:00pm-05:15pm MW, FordH B15,
instruction mode: Classroom; Debate team; class
permission number required; Meets with: 15808 COMM
1313W; Helwich, David A, 3 cr
34340 002 LEC, 09:05am-09:55am MWF, MechE 108,
instruction mode: Classroom; Communication in the Global
Workplace; Galarneault, Stephanie M, 3 cr

3190H Honors Course: Research Seminar in Communication

(max crs 6; A-F; prereq Honors candidate in comm,
instr consent, dept consent; meets HON req of
Honors)

11124 001 IND, instruction mode: Classroom, 3 cr

3201 Introduction to Electronic Media Production

(max crs 4; A-F only)

11125 001 LAB, 08:00am-09:55am T, RarigC STUDIO-
E, 08:00am-09:55am Th, FordH 155, instruction mode:
Classroom; Studio time split with Section #8.; , 4 cr
11126 002 LAB, 01:25pm-03:20pm M, RarigC STUDIO-
E, 01:25pm-03:20pm W, FordH B60, instruction mode:
Classroom; Studio time split with Section #3.; , 4 cr
11127 003 LAB, 01:25pm-03:20pm M, FordH B60,
01:25pm-03:20pm W, RarigC STUDIO-E, instruction mode:
Classroom; Studio time split with Section #2.; , 4 cr
15344 004 LAB, 10:10am-12:05pm T, RarigC STUDIO-
E, 10:10am-12:05pm Th, FordH 155, instruction mode:
Classroom; Studio time split with Section #5.; , 4 cr
17638 005 LAB, 10:10am-12:05pm T, FordH 155,
10:10am-12:05pm Th, RarigC STUDIO-E, instruction
mode: Classroom; Studio time split with Section #4.; , 4 cr
18613 006 LAB, 10:10am-12:05pm M, RarigC STUDIO-
E, 10:10am-12:05pm W, FordH B60, instruction mode:
Classroom; Studio time split with Section #7.; , 4 cr
18938 007 LAB, 10:10am-12:05pm M, FordH B60,
10:10am-12:05pm W, RarigC STUDIO-E, instruction mode:
Classroom; Studio time split with Section #6.; , 4 cr
19401 008 LAB, 08:00am-09:55am T, FordH 155,
08:00am-09:55am Th, RarigC STUDIO-E, instruction
mode: Classroom; Studio time split with Section #1.; , 4 cr

3204 Advanced Electronic Media Production

(A-F only; prereq 3201 or instr consent)

15662 001 LAB, 10:10am-12:05pm TTh, RarigC STUDIO-B,
instruction mode: Classroom; Outside work required for this
course.; , 4 cr

18939 002 LAB, 01:25pm-03:20pm TTh, RarigC STUDIO-B,
instruction mode: Classroom; Outside work required for this
class.; , 4 cr

3211 Introduction to U.S. Electronic Media

11137 001 LEC, 01:00pm-02:15pm TTh, BlegH 5, instruction
mode: Classroom; , 3 cr

3263W Media Literacy: Decoding Media Images and Messages

(A-F; meets CLE req of Writing Intensive)

18930 001 LEC, 08:00am-08:50am MWF, FordH 127,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
18931 002 LEC, 09:45am-11:00am MW, FordH 127,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
18932 003 LEC, 01:00pm-02:15pm TTh, FordH B29,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
18933 004 LEC, 01:00pm-02:15pm WF, FordH 151,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr

3401 Introduction to Communication Theory

11128 001 LEC, 09:45am-11:00am TTh, STSS 230,
instruction mode: Classroom; Koerner, Ascan Felix, 3 cr

3402 Introduction to Interpersonal Communication

27385 001 LEC, 09:45am-11:00am MW, FordH B80,
instruction mode: Classroom; 30 seats reserved for sr -
EXPIRES 23-SEP-2015; Hewes, Dean E, 3 cr

3409 Nonverbal Communication (meets CLE req of Social Sciences)

27387 001 LEC, 09:45am-11:00am MW, NichH 155,
instruction mode: Classroom; Jones, Susanne Margarethe,
3 cr

3411 Introduction to Small Group Communication

11129 001 LEC, 08:00am-08:50am MWF, FordH B80,
instruction mode: Classroom; , 3 cr
11130 002 LEC, 11:15am-12:05pm MWF, FordH B80,
instruction mode: Classroom; , 3 cr
11131 003 LEC, 12:20pm-01:10pm MWF, FordH 127,
instruction mode: Classroom; Section 3 offers students
the option of taking this course with an off-campus service
learning component. Please contact instructor for details if
you wish to participate in this element of the course.; , 3 cr
11132 004 LEC, 01:00pm-02:15pm MW, FordH B80,
instruction mode: Classroom; , 3 cr
11133 005 LEC, 02:30pm-03:45pm MW, FordH B80,
instruction mode: Classroom; , 3 cr
13273 006 LEC, 06:00pm-09:00pm W, FordH B80,
instruction mode: Classroom; , 3 cr

3422 Interviewing and Communication (A-F only)

11188 001 LEC, 08:15am-09:30am TTh, FordH B29,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
15323 002 LEC, 09:45am-11:00am TTh, FordH B29,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; , 3 cr
17631 003 LEC, 11:15am-12:05pm MWF, FordH B29,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S; Galarneault, Stephanie M, 3 cr
27379 004 LEC, 02:30pm-03:45pm TTh, FordH B80,
instruction mode: Classroom; 1 seat reserved for NASS -
New Advanced Standing S, 3 cr

3431 Persuasion Theories (prereq Soph recommended)

11151 001 LEC, 09:05am-09:55am MWF, KHKH 3-115,
instruction mode: Classroom; , 3 cr

3451W Intercultural Communication: Theory and Practice

(prereq Planning an intercultural experience; meets
CLE req of Writing Intensive)

11134 001 LEC, 04:00pm-07:00pm M, FordH B10, instruction
mode: Classroom; 2 seats reserved for NASS - New
Advanced Standing S; , 3 cr

3452W Communication and the Intercultural Reentry

(prereq Return from an intercultural experience; meets
CLE req of Writing Intensive)

11135 001 LEC, 04:00pm-07:00pm W, FordH B10, instruction
mode: Classroom; 2 seats reserved for NASS - New
Advanced Standing S; , 3 cr

3601 Introduction to Rhetorical Theory

13274 001 LEC, 10:10am-11:00am MWF, AndH 230,
instruction mode: Classroom; Walzer, Arthur Eugene, 3 cr

3605W Persuasive Speaking and Speech Writing

(prereq 1101, soph; meets CLE req of Writing
Intensive)

11136 001 LEC, 11:15am-12:30pm TTh, FordH B29,
instruction mode: Classroom; , 3 cr

3625 Communication Ethics (A-F only)

14658 001 LEC, 09:05am-09:55am MWF, MCB 2-122,
instruction mode: Classroom; , 3 cr

3635W Famous Speeches

(A-F; meets CLE req of Writing Intensive)

24906 001 LEC, 02:30pm-03:45pm TTh, FordH B29,
instruction mode: Classroom; Campbell, Karlyn Kohrs, 3 cr

3645W How Pictures Persuade

(A-F; meets CLE req of Writing Intensive)

25072 001 LEC, 11:15am-12:30pm MW, STSS 512A,
instruction mode: Classroom; , 3 cr

3676W Communicating Terrorism

(meets CLE req of Global Perspectives; meets CLE req
of Writing Intensive)

27380 001 LEC, 01:00pm-02:15pm TTh, Army 116,
instruction mode: Classroom, 3 cr

3681W Rhetorical Fictions and 20th Century Conflicts

(meets CLE req of Global Perspectives; meets CLE req
of Literature; meets CLE req of Writing Intensive)

34295 001 DIS, 01:25pm-02:15pm MWF, FordH B15,
instruction mode: Classroom; Walzer, Arthur Eugene, 4 cr

3970 Directed Study

(max crs 6; 6 repeats allowed)

11284 001 IND, instruction mode: Classroom; For students
doing Internships., 1-3 cr
26243 002 IND, instruction mode: Classroom; Koerner, Ascan
Felix, 1-3 cr

3980 Directed Instruction

(max crs 6; S-N only; prereq instr consent, dept
consent)

19457 001 FWK, instruction mode: Classroom, 3 cr

3990 Research Practicum

(max crs 6; 6 repeats allowed)

14389 001 FWK, instruction mode: Classroom; Permission
only. Please contact Prof. Jones at jones344@umn.edu
for more information about the course.; Jones, Susanne
Margarethe, 1-3 cr

3995W Major Project

(max crs 3; S-N only; prereq Comm major, instr
consent; meets CLE req of Writing Intensive)

15189 001 IND, instruction mode: Classroom; Senior paper
registration. Contact commadv@umn.edu for a permission
number., 1-3 cr

4204 Producing for Television: Theory and Practice

(prereq 3201, 3204)

20720 001 FWK, 02:30pm-04:15pm MW, AkerH 327,
instruction mode: Classroom; Permission Only.; Neuman-
Scott, Mark A, 4 cr

4263 Feminist Media Studies

(A-F; prereq 3211 or instr consent; meets CLE req of
Diversity and Soc Justice US)

31531 001 LEC, 09:45am-11:00am MW, FordH B29,
instruction mode: Classroom; Vavrus, Mary D, 3 cr

4471 Communication in Marriage and Family

(prereq 3401 or 3402 or instr consent)

25271 001 LEC, 08:15am-09:30am TTh, AkerH 319,
instruction mode: Classroom; , 3 cr

5211 Critical Media Studies: Theory and Methods

(A-F; prereq Grad student or instr consent)

27402 001 LEC, 03:00pm-06:00pm W, NichH 315, instruction
mode: Classroom; Pedelty, Mark Holmes, 3 cr

5221 Media, Race, and Identity

(prereq 3211, sr, instr consent)

27398 001 LEC, 02:30pm-03:45pm TTh, CarlSMgmt 1-142, instruction mode: Classroom; Rodman, Gilbert B., 3 cr

5231 Media Outlaws

27397 001 LEC, 11:15am-12:30pm TTh, FordH B10, instruction mode: Classroom; Rodman, Gilbert B., 3 cr

5402 Advanced Interpersonal**Communication**

(prereq 3401 or 3402)

27388 001 LEC, 11:15am-12:30pm MW, CivE 212, instruction mode: Classroom; Jones, Susanne Margarethe, 3 cr

5411 Small Group Communication**Research**

(A-F only; prereq 3411 or instr consent)

27386 001 LEC, 01:00pm-02:15pm MW, FordH B29, instruction mode: Classroom; Hewes, Dean E, 3 cr

5441 Communication in Human**Organizations**

19010 001 LEC, 06:00pm-09:00pm W, FordH B29, instruction mode: Classroom; Galarneault, Stephanie M, 3 cr

5617 History and Criticism of U.S. Public**Discourse: 1630-1865**

(prereq Jr)

33966 001 LEC, 02:30pm-03:45pm MW, FordH B29, instruction mode: Classroom; Campbell, Karlyn Kohrs, 3 cr

5970 Directed Study

(max crs 6; 6 repeats allowed; S-N only)

11285 001 IND, instruction mode: Classroom, 1-3 cr

5994 Communication Research Practicum

(max crs 9; 9 repeats allowed; S-N only; prereq instr consent)

15211 001 IND, instruction mode: Classroom, 1-3 cr

8210 Seminar: Selected Topics in U.S.**Electronic Media**

(max crs 18; 6 repeats allowed; prereq 5210 or instr consent ; offered when feasible)

27399 001 LEC, 09:05am-12:05pm F, FordH B60, instruction mode: Classroom; Audience Studies; Squires, Catherine R, 3 cr

31532 002 LEC, 02:30pm-05:20pm M, FordH 155, instruction mode: Classroom; Advanced Feminist Media Studies; Vavrus, Mary D, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14021 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14155 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14270 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 18; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14351 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13785 001 IND, instruction mode: Classroom, 1-24 cr

8994 Directed Research

(max crs 6; 6 repeats allowed)

15212 001 FWK, instruction mode: Classroom, 1-3 cr

5200 Statistical Genetics and Genomics

(A-F only)

26327 001 LEC, 02:00pm-03:55pm TTh, . NOROOMREQD, STPAUL, instruction mode: Classroom; Meets with ANSC5200 in room 265G - Haecker Hall; Da, Yang, 4 cr

5594 Directed Research in Comparative and Molecular Biosciences

(max crs 8; 8 repeats allowed; prereq Jr, instr consent)

13847 001 LAB, instruction mode: Classroom; Independent research course - student identifies faculty member and project, requests permission number from graduate program office in CVM.; Reed, Kent, 1-4 cr

24389 002 LAB, instruction mode: Classroom; This section is for DVM students who are in the 2014 Summer Scholars program ONLY.; Rutherford, Mark Stephen, 1-4 cr

8100 Research Rotation in Comparative and Molecular Biosciences

(max crs 2; S-N; prereq CMB grad student)

22054 001 ROT, instruction mode: Classroom; Reed, Kent, 1 cr

8134 Ethical Conduct of Animal Research

(Credit will not be granted if credit has been received for: ANSC 8134, VMED 8134; A-F only; prereq [Grad or professional school] student or instr consent)

15274 001 LEC, 03:00pm-05:00pm Th, VetS 215, STPAUL, instruction mode: Classroom; Meets with: 15304 ANSC 8134, 15275 VMED 8134; Rutherford, Mark Stephen; Graham PhD, Melanie L; Crooker, Brian A, 3 cr

8202 Mechanisms of Animal Health and Disease II

(A-F)

18691 001 LEC, 09:00am-10:30am TTh, AnSciVM 295M, STPAUL, instruction mode: Classroom; Reed, Kent; Murtaugh, Michael P; Xing, Zheng, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13996 001 IND, instruction mode: Classroom, 1 cr

8361 Neuro-Immune Interactions

(prereq [MICB 5218 or equiv], [NSC 5561 or equiv])

33948 001 LEC, instruction mode: Classroom; Roy, Sabita; Molitor, Thomas William, 3 cr

8371 Mucosal Immunobiology

(Credit will not be granted if credit has been received for: MICA 8371, OBIO 8371; A-F only; prereq MICA 8001 or equiv or instr consent)

33947 001 LEC, instruction mode: Classroom; Herzberg, Mark C, 3 cr

8394 Research in Comparative Biomedical Sciences

(max crs 18; 5 repeats allowed; prereq Grad CMB major)

13647 001 IND, instruction mode: Classroom; Independent research course - student identifies faculty member and project, requests permission number from graduate program office in CVM.; Reed, Kent, 1-6 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14126 001 IND, instruction mode: Classroom, 1 cr

8481 Advanced Neuropharmaceutics

(Credit will not be granted if credit has been received for: NSC 8481, PHM 8481; A-F only; prereq instr consent)

26379 001 LEC, 01:00pm-03:00pm M, Room TBA, TCEASTBANK, 01:00pm-04:00pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets in Room 9-105 Weaver-Densford Hall, 4 cr

8550 Comparative and Molecular**Biosciences Seminar**

(max crs 8; 8 repeats allowed; S-N only; prereq Biol sciences grad student)

13575 001 LEC, 12:00pm-01:00pm Th, VetS 215, STPAUL, instruction mode: Classroom; Meets with: 21890 VMED 8550; Rutherford, Mark Stephen, 1 cr

8560 Research and Literature Reports

(max crs 8; 8 repeats allowed; S-N only; prereq Grad CMB major or instr consent)

13576 001 LEC, instruction mode: Classroom; Reed, Kent, 1 cr
24517 002 LEC, instruction mode: Classroom; This section is strictly for the Dairy Journal Club. All students participatingin other journal clubs should register under section 001.;
Godden, Sandra Michele, 1 cr**8666 Doctoral Pre-Thesis Credits**

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14246 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14330 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13763 001 IND, instruction mode: Classroom, 1-24 cr

COMPARATIVE LITERATURE (CL)235 Nicholson Hall, 216 Pillsbury Drive SE,
East Bank Campus, Minneapolis, MN, 55455
612/624-8099, <http://csl.umn.edu/>**8001 Basic Research Seminar in****Comparative Literature I**

(Credit will not be granted if credit has been received for: CSDS 8001)

22401 001 LEC, 01:00pm-04:00pm M, NichH 135, instruction mode: Classroom; Meets with: 22402 CSDS 8001; Casarino, Cesare, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

17660 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

17661 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

17662 001 IND, instruction mode: Classroom, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

17663 001 IND, instruction mode: Classroom, 1-24 cr

8901 Pedagogy of Cultural Studies and**Comparative Literature**

(prereq Grad comp lit major)

26617 001 LEC, 01:00pm-04:00pm Th, NichH 135, instruction mode: Classroom; Meets with: 26618 CSDS 8901; Lovejoy, Alice Osborne, 3 cr

8910 Advanced Topics in Comparative**Literature**

(max crs 24; 8 repeats allowed)

22403 001 LEC, 02:00pm-05:00pm W, NichH 201, instruction mode: Classroom; Meets with: 19713 CSDS 8910; Tageldin, Shaden M, 3 cr; Politics of the Vernacular
22517 002 LEC, 02:00pm-05:00pm T, NichH 135, instruction mode: Classroom; Meets with: 22404 CSDS 8910; Pepper, Thomas Adam, 3 cr; Heidegger's Fallout**8992 Directed Reading in Comparative****Literature**

(max crs 12; 12 repeats allowed; prereq instr consent)

17664 001 IND, instruction mode: Classroom; To enroll in a directed reading with department faculty, contact the faculty with whom you'd like to arrange the directed study and then visit the office for a Student/Faculty Contract., 1-4 cr

8994 Directed Research in Comparative**Literature**

(max crs 12; 12 repeats allowed; prereq instr consent)

17665 001 IND, instruction mode: Classroom; To enroll in a directed research with department faculty, contact the

**COMPARATIVE AND
MOLECULAR BIOSCIENCES
(CMB)**

faculty with whom you'd like to arrange the directed study and then visit the office for a Student/Faculty Contract., 1-4 cr

COMPARATIVE STUDIES IN DISCOURSE AND SOCIETY (CSDS)

235 Nicholson Hall, 216 Pillsbury Drive, East Bank Campus, Minneapolis, MN, 55455
612/624-8099, <http://cscl.umn.edu/>

8001 Basic Research Seminar: Comparative Studies in Discourse and Society I

(Credit will not be granted if credit has been received for: CL 8001)

22402 001 LEC, 01:00pm-04:00pm M, NichH 135, instruction mode: Classroom; Meets with: 22401 CL 8001; Casarino, Cesare, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13958 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14094 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14212 001 IND, instruction mode: Classroom, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13732 001 IND, instruction mode: Classroom, 1-24 cr

8901 Pedagogy of Cultural Studies and Comparative Literature

(prereq Grad CSDS major)

26618 001 LEC, 01:00pm-04:00pm Th, NichH 135, instruction mode: Classroom; Meets with: 26617 CL 8901; Lovejoy, Alice Osborne, 3 cr

8910 Advanced Topics in Comparative Studies in Discourse and Society

(max crs 24; 8 repeats allowed)

19713 001 LEC, 02:00pm-05:00pm W, NichH 201, instruction mode: Classroom; Meets with: 22403 CL 8910; Tageldin, Shaden M, 3 cr; Politics of the Vernacular

22404 002 LEC, 02:00pm-05:00pm T, NichH 135, instruction mode: Classroom; Meets with: 22517 CL 8910; Pepper, Thomas Adam, 3 cr; Heidegger's Fallout

25863 003 LEC, 01:30pm-04:00pm T, NichH 325, instruction mode: Classroom; Gopinath, Sumanth S, 3 cr; The Sociology of Music

8993 Directed Study in Comparative Studies in Discourse and Society

(max crs 12; 12 repeats allowed; prereq instr consent)

12068 001 IND, instruction mode: Classroom; To enroll in a directed study with department faculty, contact the faculty with whom you'd like to arrange the directed study and then visit the office for a Student/Faculty Contract.; Lovejoy, Alice Osborne, 1-4 cr

21882 002 IND, instruction mode: Classroom; Casarino, Cesare, 1-4 cr

24765 003 IND, instruction mode: Classroom; Wall-Romana, Christophe M, 1-4 cr

8994 Directed Research in Comparative Studies in Discourse and Society

(max crs 4; prereq instr consent)

12786 001 IND, instruction mode: Classroom; To enroll in a directed research with department faculty, contact the faculty with whom you'd like to arrange the directed study and then visit the office for a Student/Faculty Contract., 1-4 cr

COMPUTER SCIENCE (CSci)

4-192 Kenneth H. Keller Hall, 200 Union Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-4002, <http://www.cs.umn.edu>

1103 Introduction to Computer Programming in Java

001 LEC, 11:15am-12:05pm MWF, AndH 210, instruction mode: Classroom; Sturtivant, Carl

13234 002 LAB, 12:20pm-02:15pm M, KHKH 1-262, instruction mode: Classroom; Sturtivant, Carl, 4 cr

11048 003 LAB, 02:30pm-04:25pm M, KHKH 1-262, instruction mode: Classroom; Sturtivant, Carl, 4 cr

18645 1004 LAB, 04:40pm-06:35pm M, KHKH 1-262, instruction mode: Classroom; Sturtivant, Carl, 4 cr

20044 1005 LAB, 06:50pm-08:40pm M, KHKH 1-262, instruction mode: Classroom; Sturtivant, Carl, 4 cr

1113 Introduction to C/C++ Programming for Scientists and Engineers (prereq Math 1271 or Math 1371 or Math 1571H or instr consent)

001 LEC, 03:35pm-04:25pm MWF, KHKH 3-210, instruction mode: Classroom

14050 1002 LAB, 05:45pm-08:45pm M, KHKH 2-120, instruction mode: Classroom; 10 seats reserved for CSE student, 4 cr

11051 1003 LAB, 05:45pm-08:45pm M, KHKH 1-260, instruction mode: Classroom; 10 seats reserved for CSE student, 4 cr

11050 1004 LAB, 05:45pm-08:45pm T, KHKH 2-120, instruction mode: Classroom; 10 seats reserved for CSE student, 4 cr

11052 1005 LAB, 05:45pm-08:45pm T, KHKH 1-260, instruction mode: Classroom; 10 seats reserved for CSE student, 4 cr

20316 1006 LAB, 05:45pm-08:45pm W, KHKH 1-260, instruction mode: Classroom; 10 seats reserved for CSE student; , 4 cr

25147 007 LAB, 08:00am-11:00am Th, KHKH 2-120, instruction mode: Classroom; , 4 cr

26742 1008 LAB, 05:45pm-08:45pm Th, KHKH 1-260, instruction mode: Classroom; , 4 cr

1010 LEC, 06:30pm-09:00pm T, STSS 114, instruction mode: Classroom

11054 1011 LAB, 05:45pm-08:45pm W, KHKH 2-120, instruction mode: Classroom; 4 seats reserved for non-PSEO, non-admitted student; 10 seats reserved for CSE student, 4 cr

13591 012 LAB, 11:15am-02:15pm Th, KHKH 2-120, instruction mode: Classroom; 4 seats reserved for non-PSEO, non-admitted student; 10 seats reserved for CSE student, 4 cr

23275 013 LAB, 02:30pm-05:30pm Th, KHKH 2-120, instruction mode: Classroom; 4 seats reserved for non-PSEO, non-admitted student; , 4 cr

31389 1014 LAB, 05:45pm-08:45pm Th, KHKH 2-120, instruction mode: Classroom, 4 cr

1133 Introduction to Computing and Programming Concepts

(Credit will not be granted if credit has been received for: CSCI 1133H; prereq Concurrent registration is required (or allowed) in MATH 1271 or Concurrent registration is required (or allowed) in MATH 1371 or Concurrent registration is required (or allowed) in MATH 1571H or instr consent)

001 LEC, 10:10am-11:00am MWF, MCB 3-120, instruction mode: Classroom; Jensen, Steve

23830 002 LAB, 12:20pm-02:15pm W, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

23831 003 LAB, 02:30pm-04:25pm W, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

23832 1004 LAB, 04:40pm-06:35pm W, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

25148 1005 LAB, 06:50pm-08:45pm W, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

25149 006 LAB, 08:00am-09:55am Th, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

25150 007 LAB, 10:10am-12:05pm Th, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

31392 008 LAB, 12:20pm-02:15pm Th, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

1010 LEC, 06:30pm-09:00pm W, STSS 114, instruction mode: Classroom; Jensen, Steve

25153 011 LAB, 02:30pm-04:25pm Th, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

25154 1012 LAB, 04:40pm-06:35pm Th, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

26748 1013 LAB, 06:50pm-08:45pm Th, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

26853 014 LAB, 02:30pm-04:25pm F, KHKH 1-262, instruction mode: Classroom; Jensen, Steve, 4 cr

1133H Honors Introduction to Computing and Programming Concepts

(Credit will not be granted if credit has been received for: CSCI 1133; A-F; prereq [Concurrent registration is required (or allowed) in MATH 1271 or Concurrent registration is required (or allowed) in MATH 1371 or Concurrent registration is required (or allowed) in MATH 1571H], CSci majors, pre-majors in CSE/CLA, honors student; meets HON req of Honors)

001 LEC, 02:30pm-03:20pm MWF, KHKH 2-260, instruction mode: Classroom; Terveen, Loren Gilbert

25281 002 LAB, 03:35pm-05:15pm T, KHKH 1-260, instruction mode: Classroom; Terveen, Loren Gilbert, 4 cr

1913 Introduction to Algorithms, Data Structures, and Program Development (prereq 1103 or 1113 or instr consent)

001 LEC, 02:30pm-03:20pm MWF, AmundH B75, instruction mode: Classroom

23835 002 LAB, 08:00am-09:55am F, KHKH 1-260, instruction mode: Classroom, 4 cr

23836 003 LAB, 10:10am-12:05pm F, KHKH 1-262, instruction mode: Classroom, 4 cr

25155 004 LAB, 10:10am-12:05pm F, KHKH 1-260, instruction mode: Classroom, 4 cr

26678 005 LAB, 12:20pm-02:15pm F, KHKH 1-262, instruction mode: Classroom, 4 cr

31397 006 LAB, 12:20pm-02:15pm F, KHKH 1-260, instruction mode: Classroom, 4 cr

1933 Introduction to Algorithms and Data Structures

(prereq 1133 or instr consent)

001 LEC, 02:30pm-03:20pm MWF, KHKH 3-210, instruction mode: Classroom; Hecht, Brent J

25157 002 LAB, 08:00am-09:55am T, KHKH 1-262, instruction mode: Classroom; Hecht, Brent J, 4 cr

25158 003 LAB, 10:10am-12:05pm T, KHKH 1-262, instruction mode: Classroom; Hecht, Brent J, 4 cr

25159 004 LAB, 12:20pm-02:15pm T, KHKH 1-262, instruction mode: Classroom; Hecht, Brent J, 4 cr

25160 005 LAB, 02:30pm-04:25pm T, KHKH 1-262, instruction mode: Classroom; Hecht, Brent J, 4 cr

25161 1006 LAB, 04:40pm-06:35pm T, KHKH 1-262, instruction mode: Classroom; Hecht, Brent J, 4 cr

25162 1007 LAB, 06:50pm-08:45pm T, KHKH 1-262, instruction mode: Classroom; Hecht, Brent J, 4 cr

2011 Discrete Structures of Computer Science

(Credit will not be granted if credit has been received for: CSCI 2011H; prereq MATH 1271 or MATH 1371 or instr consent)

001 LEC, 01:25pm-02:15pm MWF, MCB 3-120, instruction mode: Classroom; Sturtivant, Carl

11057 002 DIS, 12:20pm-01:10pm T, MCB 2-122, instruction mode: Classroom; Sturtivant, Carl, 4 cr

11056 003 DIS, 01:25pm-02:15pm T, AmundH 240, instruction mode: Classroom; Sturtivant, Carl, 4 cr

11058 004 DIS, 02:30pm-03:20pm T, STSS 131A, instruction mode: Classroom; Sturtivant, Carl, 4 cr

20317 005 DIS, 03:35pm-04:25pm T, STSS 131A, instruction mode: Classroom; Sturtivant, Carl, 4 cr

20931 1006 DIS, 04:40pm-05:30pm T, KHKH 2-260, instruction mode: Classroom; Sturtivant, Carl, 4 cr

23652 1007 DIS, 05:45pm-06:35pm T, KHKH 2-260, instruction mode: Classroom; Sturtivant, Carl, 4 cr

1010 LEC, 06:30pm-09:00pm W, AkerH 209, instruction mode: Classroom

25180 1011 DIS, 05:45pm-06:35pm M, KHKH 2-260, instruction mode: Classroom; , 4 cr

25181 1012 DIS, 06:50pm-07:40pm M, KHKH 2-260, instruction mode: Classroom; , 4 cr

25182 1013 DIS, 08:00am-08:45pm M, KHKH 2-260, instruction mode: Classroom; , 4 cr

25183 1014 DIS, 09:55am-10:45pm M, KHKH 2-260, instruction mode: Classroom; , 4 cr

25184 1015 DIS, 11:00am-11:50am M, KHKH 2-260, instruction mode: Classroom; , 4 cr

25185 1016 DIS, 12:50pm-01:40pm M, KHKH 2-260, instruction mode: Classroom; , 4 cr

25186 1017 DIS, 02:30pm-03:20pm M, KHKH 2-260, instruction mode: Classroom; , 4 cr

25187 1018 DIS, 04:15pm-05:05pm M, KHKH 2-260, instruction mode: Classroom; , 4 cr

25188 1019 DIS, 06:00pm-06:50pm M, KHKH 2-260, instruction mode: Classroom; , 4 cr

25163 1014 DIS, 04:40pm-05:30pm Th, STSS 432B,
instruction mode: Classroom; Dovolis, Chris John, 4 cr

2033 Elementary Computational Linear Algebra

(prereq [MATH 1271 or MATH 1371], [1113 or 1133 or knowledge of programming concepts])

001 LEC, 09:05am-09:55am MWF, BellMus 100, instruction mode: Classroom; Meyer, Gary W
21355 002 DIS, 08:00am-08:50am T, KHKH 2-260, instruction mode: Classroom; Meyer, Gary W, 4 cr
21356 003 DIS, 09:05am-09:55am T, STSS 530A, instruction mode: Classroom; Meyer, Gary W, 4 cr
21357 004 DIS, 10:10am-11:00am T, AmundH 240, instruction mode: Classroom; Meyer, Gary W, 4 cr
23272 005 DIS, 11:15am-12:05pm T, STSS 131B, instruction mode: Classroom; Meyer, Gary W, 4 cr
24412 006 DIS, 12:20pm-01:10pm T, AmundH 240, instruction mode: Classroom; Meyer, Gary W, 4 cr

2041 Advanced Programming Principles

(prereq [1913 or 1933], 2011)
001 LEC, 11:15am-12:05pm MWF, KHKH 3-210, instruction mode: Classroom; Hopper, Nicholas J
25173 002 LAB, 09:05am-09:55am T, KHKH 2-120, instruction mode: Classroom; Hopper, Nicholas J, 4 cr
25174 003 LAB, 10:10am-11:00am T, KHKH 2-120, instruction mode: Classroom; Hopper, Nicholas J, 4 cr
25175 004 LAB, 11:15am-12:05pm T, KHKH 2-120, instruction mode: Classroom; Hopper, Nicholas J, 4 cr
25176 005 LAB, 12:20pm-01:10pm T, KHKH 2-120, instruction mode: Classroom; Hopper, Nicholas J, 4 cr
25177 006 LAB, 01:25pm-02:15pm T, KHKH 2-120, instruction mode: Classroom; Hopper, Nicholas J, 4 cr
25178 007 LAB, 02:30pm-03:20pm T, KHKH 2-120, instruction mode: Classroom; Hopper, Nicholas J, 4 cr

3003 Introduction to Computing in Biology

(prereq 1002H or Biol 1002 or 1009H or Biol 1009 or equiv or instr consent)
001 LEC, 02:30pm-03:45pm TTh, STSS 530B, instruction mode: Classroom; Myers, Chad Leighton
31403 002 LAB, 03:35pm-05:30pm W, KHKH 1-260, instruction mode: Classroom; Myers, Chad Leighton, 3 cr

3081W Program Design and Development

(prereq [2021, 2041] or instr consent; meets CLE req of Writing Intensive)
001 LEC, 01:00pm-02:15pm TTh, STSS 330, instruction mode: Classroom; Challou PhD, Daniel J
15562 002 DIS, 09:05am-09:55am F, KHKH 2-120, instruction mode: Classroom; Challou PhD, Daniel J, 4 cr
15563 003 DIS, 10:10am-11:00am F, KHKH 2-120, instruction mode: Classroom; Challou PhD, Daniel J, 4 cr
18878 004 DIS, 11:15am-12:05pm F, KHKH 2-120, instruction mode: Classroom; Challou PhD, Daniel J, 4 cr
1010 LEC, 06:30pm-09:00pm T, STSS 312, instruction mode: Classroom; Challou PhD, Daniel J
20885 011 DIS, 12:20pm-01:10pm F, KHKH 2-120, instruction mode: Classroom; Challou PhD, Daniel J, 4 cr
25166 012 DIS, 01:25pm-02:15pm F, KHKH 2-120, instruction mode: Classroom; Challou PhD, Daniel J, 4 cr
26436 013 DIS, 02:30pm-03:20pm F, KHKH 2-120, instruction mode: Classroom; Challou PhD, Daniel J, 4 cr

3921W Social, Legal, and Ethical Issues in Computing

(prereq At least soph or instr consent; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)
25171 001 LEC, 09:45am-11:00am MW, STSS 530B, instruction mode: Classroom; Barry, Phillip, 3 cr

3970 Industrial Student Co-op Assignment

(max crs 4; S-N only; prereq CSci, in co-op program, instr consent)
14519 001 FWK, instruction mode: Independent/Directed Studies; Dovolis, Chris John, 2 cr

4011 Formal Languages and Automata Theory

(prereq 2041 or instr consent)
001 LEC, 02:30pm-03:45pm TTh, KHKH 3-210, instruction mode: Classroom; Nadathur, Gopalan
10833 002 DIS, 11:15am-12:05pm F, STSS 131A, instruction mode: Classroom; Nadathur, Gopalan, 4 cr
10834 003 DIS, 12:20pm-01:10pm F, STSS 131A, instruction mode: Classroom; Nadathur, Gopalan, 4 cr
25167 004 DIS, 01:25pm-02:15pm F, STSS 131A, instruction mode: Classroom; Nadathur, Gopalan, 4 cr

4041 Algorithms and Data Structures

(Credit will not be granted if credit has been received for: CSCI 4041H; prereq [(1913 or 1933) and 2011] or instr consent ; cannot be taken for grad CSci cr)

001 LEC, 11:15am-12:30pm TTh, KHKH 3-210, instruction mode: Classroom; Larson, Amy Caroline
11063 002 DIS, 08:00am-08:50am F, KHKH 2-260, instruction mode: Classroom; Larson, Amy Caroline, 4 cr
11064 003 DIS, 09:05am-09:55am F, STSS 512B, instruction mode: Classroom; Larson, Amy Caroline, 4 cr
11065 004 DIS, 10:10am-11:00am F, STSS 512B, instruction mode: Classroom; Larson, Amy Caroline, 4 cr
20318 005 DIS, 11:15am-12:05pm F, KHKH 2-260, instruction mode: Classroom; Larson, Amy Caroline, 4 cr
22459 006 DIS, 12:20pm-01:10pm F, KHKH 2-260, instruction mode: Classroom; Larson, Amy Caroline, 4 cr
24411 007 DIS, 01:25pm-02:15pm F, KHKH 2-260, instruction mode: Classroom; Larson, Amy Caroline, 4 cr
1010 LEC, 06:30pm-09:00pm M, AkerH 209, instruction mode: Classroom; Sturtivant, Carl
25183 1011 DIS, 04:40pm-05:30pm Th, STSS 512B, instruction mode: Classroom; Sturtivant, Carl, 4 cr
25184 1012 DIS, 05:45pm-06:35pm Th, KHKH 2-260, instruction mode: Classroom; Sturtivant, Carl, 4 cr

4041H Algorithms and Data Structures

(Credit will not be granted if credit has been received for: CSCI 4041; A-F; prereq [(1913 or 1933) and 2011, honors student] or instr consent . Cannot be taken for Grad CSci cr; meets HON req of Honors)

001 LEC, 02:30pm-03:45pm TTh, KHKH 3-115, instruction mode: Classroom
23828 002 DIS, 02:30pm-03:20pm F, STSS 131A, instruction mode: Classroom, 4 cr

4061 Introduction to Operating Systems

(prereq 2021 or EE 2361; no cr for grads in CSci)

001 LEC, 09:45am-11:00am TTh, AndH 310, instruction mode: Classroom; Chandra, Abhishek
10831 002 DIS, 09:05am-09:55am M, KHKH 1-260, instruction mode: Classroom; 15 seats reserved for CSci and CompE majors and grad; 2 seats reserved for non-PSEO, non-admitted student; Chandra, Abhishek, 4 cr
10830 003 DIS, 10:10am-11:00am M, KHKH 1-260, instruction mode: Classroom; 15 seats reserved for CSci and CompE majors and grad; 2 seats reserved for non-PSEO, non-admitted student; Chandra, Abhishek, 4 cr
14564 004 DIS, 11:15am-12:05pm M, KHKH 1-260, instruction mode: Classroom; 15 seats reserved for CSci and CompE majors and grad; Chandra, Abhishek, 4 cr
20891 005 DIS, 12:20pm-01:10pm M, KHKH 1-260, instruction mode: Classroom; 15 seats reserved for CSci and CompE majors and grad; 1 seat reserved for non-PSEO, non-admitted student; Chandra, Abhishek, 4 cr
25170 006 DIS, 01:25pm-02:15pm M, KHKH 1-260, instruction mode: Classroom; Chandra, Abhishek, 4 cr
25647 007 DIS, 02:30pm-03:20pm M, KHKH 1-260, instruction mode: Classroom; Chandra, Abhishek, 4 cr
31401 008 DIS, 03:35pm-04:25pm M, KHKH 1-260, instruction mode: Classroom; Chandra, Abhishek, 4 cr
1020 LEC, 06:00pm-08:30pm W, . NORMREQD,
OFFCAMPUS, instruction mode: Classroom; Held at Open Book, Room 203, 1011 Washington Avenue South, Minneapolis. Assignments are in the C programming language. If you do not have C programming experience or coursework, then prior or concurrent completion of INet 3101, INET 3101-C Programming: Language and Applications is strongly recommended. (INet 3101 [2 cr] is offered Tuesdays, first half of fall semester.); Langanki, Mark D
16220 021 DIS, instruction mode: Partially Online; Lecture (Sec. 020) meets W 6-8:30 pm at Open Book, Room 203, 1011 Washington Avenue South, Mpls. ENROLL in recitation section. ATTEND lecture. (Recitation/discussion is offered online.); 2 seats reserved for non-PSEO, non-admitted student; Langanki, Mark D, 4 cr

4131 Internet Programming

(Credit will not be granted if credit has been received for: CSCI 5131; prereq 4061, 4211 recommended, cannot be taken for grad CSci cr)

22567 001 LEC, 04:00pm-05:15pm TTh, AmundH B75, instruction mode: Classroom; Tripathi, Anand R, 3 cr

4203 Computer Architecture

(Credit will not be granted if credit has been received for: EE 4363; prereq 2021 or instr consent; credit will not be granted if credit received for: 5201, EE 5361)

15534 001 LEC, 02:30pm-03:45pm MW, KHKH 3-230, instruction mode: Classroom; Meets with: 15533 EE 4363; Zhai, Antonia Bingheng, 4 cr
27679 883 LEC, 02:30pm-03:45pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University

account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Zhai, Antonia Bingheng, 4 cr

4211 Introduction to Computer Networks

(Credit will not be granted if credit has been received for: CSCI 5211; prereq 4061 or instr consent ; basic knowledge of [computer architecture, operating systems] recommended, cannot be taken for grad CSci cr)

15027 1001 LEC, 06:30pm-09:00pm Th, STSS 114, instruction mode: Classroom; He, Tian, 3 cr

4511W Introduction to Artificial Intelligence

(Credit will not be granted if credit has been received for: CSCI 5511; prereq 2041 or instr consent; meets CLE req of Writing Intensive)

25406 001 LEC, 02:30pm-03:45pm MW, NichH 275, instruction mode: Classroom; Larson, Amy Caroline, 4 cr

4707 Practice of Database Systems

(Credit will not be granted if credit has been received for: CSCI 5707, INET 4707; prereq 4041 or instr consent)

15029 001 LEC, 01:00pm-02:15pm TTh, VinH 16, instruction mode: Classroom; Mokbel, Mohamed F, 3 cr

4921 History of Computing

(Credit will not be granted if credit has been received for: HSCI 4321; meets CLE req of Historical Perspectives; meets CLE req of Technology and Society)

33852 001 LEC, 01:00pm-02:15pm TTh, AkerH 211, instruction mode: Classroom; Meets with: 25403 HSCI 4321; Clemens, Jonathan Scott, 3 cr

4950 Senior Software Project

(max crs 6; A-F; prereq Upper div CSci, instr consent)
19976 001 LEC, instruction mode: Classroom; Challou PhD, Daniel J, 3 cr

4970W Advanced Project Laboratory

(max crs 9; 3 repeats allowed; prereq Upper div CSci, 4061, instr consent ; cannot be taken for grad cr; meets CLE req of Writing Intensive)

13454 001 IND, instruction mode: Independent/Directed Studies; Barry, Phillip, 3 cr
16208 002 IND, instruction mode: Classroom; Boley, Daniel L, 3 cr
16310 003 IND, instruction mode: Classroom; Carlis, John Vincent, 3 cr
16311 004 IND, instruction mode: Classroom; Banerjee, Arindam, 3 cr
16312 005 IND, instruction mode: Classroom; Hecht, Brent J, 3 cr
16313 006 IND, instruction mode: Classroom; Dovolis, Chris John, 3 cr
16314 007 IND, instruction mode: Classroom; Du, David Hung-Chang, 3 cr
16315 008 IND, instruction mode: Classroom; He, Tian, 3 cr
16316 009 IND, instruction mode: Classroom; Gini, Maria L, 3 cr
16317 010 IND, instruction mode: Classroom; Heimdahl, Mats, 3 cr
16318 011 IND, instruction mode: Classroom; Guy, Stephen J, 3 cr
16319 012 IND, instruction mode: Classroom; Interrante, Victoria, 3 cr
16320 013 IND, instruction mode: Classroom; Janardan, Ravi, 3 cr
16321 014 IND, instruction mode: Classroom; Karypis, George, 3 cr
16322 015 IND, instruction mode: Classroom; Knights, Dan, 3 cr
16323 016 IND, instruction mode: Classroom; Konstan, Joseph Andrew, 3 cr
16324 017 IND, instruction mode: Classroom; Kumar, Vipin, 3 cr
16325 018 IND, instruction mode: Classroom; Kuang, Rui, 3 cr
16326 019 IND, instruction mode: Classroom; Meyer, Gary W, 3 cr
16327 020 IND, instruction mode: Classroom; Nadathur, Gopalan, 3 cr
16328 021 IND, instruction mode: Classroom; Mokbel, Mohamed F, 3 cr
16329 022 IND, instruction mode: Classroom; Papanikolopoulos, Nikolaos P, 3 cr
16330 023 IND, instruction mode: Classroom; Myers, Chad Leighton, 3 cr
16331 024 IND, instruction mode: Classroom; McCamant, Stephen A., 3 cr
16332 025 IND, instruction mode: Classroom; Roumeliotis, Stergios, 3 cr

16333 026 IND, instruction mode: Classroom; Saad, Yousef, 3 cr
 16334 027 IND, instruction mode: Classroom; Schrater, Paul Robert, 3 cr
 16335 028 IND, instruction mode: Classroom; Jensen, Steve, 3 cr
 16336 029 IND, instruction mode: Classroom; Shekhar, Shashi, 3 cr
 16337 030 IND, instruction mode: Classroom; , 3 cr
 16338 031 IND, instruction mode: Classroom; Srivastava, Jaideep, 3 cr
 16339 032 IND, instruction mode: Classroom; Sturtivant, Carl, 3 cr
 16340 033 IND, instruction mode: Classroom; , 3 cr
 16341 034 IND, instruction mode: Classroom; Terveen, Loren Gilbert, 3 cr
 16342 035 IND, instruction mode: Classroom; Tripathi, Anand R, 3 cr
 16343 036 IND, instruction mode: Classroom; Van Wyk, Eric, 3 cr
 16344 037 IND, instruction mode: Classroom; Isler, Volkan Ibrahim, 3 cr
 16345 038 IND, instruction mode: Classroom; Weissman, Jon B, 3 cr
 16346 039 IND, instruction mode: Classroom; Yew, Pen-Chung, 3 cr
 16347 040 IND, instruction mode: Classroom; Zhang, Zhi-Li, 3 cr
 17078 041 IND, instruction mode: Classroom; Chandra, Abhishek, 3 cr
 17055 042 IND, instruction mode: Classroom; Hopper, Nicholas J, 3 cr
 17056 043 IND, instruction mode: Classroom; Zhai, Antonia Bingheng, 3 cr
 19449 044 IND, instruction mode: Classroom; Keefe, Daniel F, 3 cr

4994H Honors Thesis

(max crs 6; A-F; prereq Honors student, instr consent; meets HON req of Honors)

20863 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr

5103 Operating Systems

(prereq 4061 or instr consent)

13902 001 LEC, 01:00pm-02:15pm TTh, KHKH 3-111, instruction mode: Classroom; Weissman, Jon B, 3 cr
 16773 883 LEC, 01:00pm-02:15pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Weissman, Jon B, 3 cr

5106 Programming Languages

(prereq 4011 or instr consent)

13903 001 LEC, 02:30pm-03:45pm MW, KHKH 3-125, instruction mode: Classroom; Van Wyk, Eric, 3 cr
 17756 883 LEC, 02:30pm-03:45pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Van Wyk, Eric, 3 cr

5115 User Interface Design, Implementation and Evaluation

(prereq 4041 or instr consent)

10835 001 LEC, 01:00pm-02:15pm MW, MechE 212, instruction mode: Classroom; Yarosh, Lana, 3 cr
 17759 883 LEC, 01:00pm-02:15pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on

the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Yarosh, Lana, 3 cr

5204 Advanced Computer Architecture

(Credit will not be granted if credit has been received for: EE 5364; prereq 4203 or EE 4363; credit will not be granted if credit received for: 8203, EE 8365)

15647 001 LEC, 01:00pm-02:15pm MW, MechE 108, instruction mode: Classroom; Meets with: 20732 EE 5364; Karpuzcu, Rahmet Ulya, 3 cr
 16784 883 LEC, 01:00pm-02:15pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Karpuzcu, Rahmet Ulya, 3 cr

5211 Data Communications and Computer Networks

(Credit will not be granted if credit has been received for: CSCI 4211; prereq [4061 or instr consent], basic knowledge of [computer architecture, operating systems, probability], grad student)

10828 001 LEC, 02:30pm-03:45pm MW, KHKH 3-111, instruction mode: Classroom; Du, David Hung-Chang, 3 cr
 16738 883 LEC, 02:30pm-03:45pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Du, David Hung-Chang, 3 cr

5231 Wireless and Sensor Networks

(prereq 4211 or 5211 or instr consent)

32896 001 LEC, 11:15am-12:30pm TTh, AkerH 209, instruction mode: Classroom; He, Tian, 3 cr

5271 Introduction to Computer Security

(prereq 4061 or equiv or instr consent)

17053 001 LEC, 04:00pm-05:15pm MW, MechE 212, instruction mode: Classroom; McCamant, Stephen A., 3 cr
 17275 883 LEC, 04:00pm-05:15pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; McCamant, Stephen A., 3 cr

5304 Computational Aspects of Matrix Theory

(prereq 2031 or 2033 or instr consent)

10827 001 LEC, 08:15am-09:30am TTh, KHKH 3-125, instruction mode: Classroom; Saad, Yousef, 3 cr
 22681 883 LEC, 08:15am-09:30am TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED

THROUGH UNITE DISTRIBUTED LEARNING. - Primarily Online; Saad, Yousef, 3 cr

5403 Computational Complexity

(prereq 4041 or instr consent)

33732 001 LEC, 02:30pm-03:45pm MW, AkerH 319, instruction mode: Classroom; Hopper, Nicholas J, 3 cr

5421 Advanced Algorithms and Data Structures

(prereq 4041 or instr consent)

10825 001 LEC, 08:15am-09:30am MW, KHKH 3-111, instruction mode: Classroom; Janardan, Ravi, 3 cr
 16767 883 LEC, 08:15am-09:30am MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Janardan, Ravi, 3 cr

5481 Computational Techniques for Genomics

(prereq 4041 or instr consent)

15028 001 LEC, 04:00pm-05:15pm TTh, KHKH 3-111, instruction mode: Classroom; Knights, Dan, 3 cr
 17278 883 LEC, 04:00pm-05:15pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Knights, Dan, 3 cr

5511 Artificial Intelligence I

(Credit will not be granted if credit has been received for: CSCI 4511W; prereq [2041 or instr consent], grad student)

10826 1001 LEC, 06:30pm-09:00pm W, MechE 212, instruction mode: Classroom; Gini, Maria L, 3 cr
 16770 1883 LEC, 06:30pm-09:00pm W, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING., 3 cr

5521 Introduction to Machine Learning

(prereq [2031 or 2033], STAT 3021] or instr consent)

25895 001 LEC, 11:15am-12:30pm TTh, KHKH 3-111, instruction mode: Classroom; Schrater, Paul Robert, 3 cr
 25907 883 LEC, 11:15am-12:30pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Schrater, Paul Robert, 3 cr

5523 Introduction to Data Mining

(prereq 4041 or equiv or instr consent)

21358 001 LEC, 09:45am-11:00am TTh, KHKH 3-230, instruction mode: Classroom; Karypis, George, 3 cr
 21753 883 LEC, 09:45am-11:00am TTh, . ROOM-TBA, instruction mode: Primarily Online; Instruction Mode: Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning;

which means a service fee will also be required in addition to normal University tuition & fees (\$100/per credit). Registration form(s) are found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Question: 612-624-2332 or 877-668-6483. SECTION NOT CLOSED - JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Karypis, George, 3 cr

5525 Machine Learning

(prereq Grad student or instr consent)

22461 001 LEC, 01:00pm-02:15pm MW, KHKH 3-111, instruction mode: Classroom; Banerjee, Arindam, 3 cr
22684 883 LEC, 01:00pm-02:15pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. - Primarily Online; Banerjee, Arindam, 3 cr

5551 Introduction to Intelligent Robotic Systems

(prereq 2031 or 2033 or instr consent)

15030 001 LEC, 01:00pm-02:15pm TTh, KHKH 3-115, instruction mode: Classroom; Papanikolopoulos, Nikolaos P, 3 cr
16735 883 LEC, 01:00pm-02:15pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Papanikolopoulos, Nikolaos P, 3 cr

5607 Fundamentals of Computer Graphics 1

(prereq Concurrent registration is required (or allowed) in 2033. Concurrent registration is required (or allowed) in 3081)

14691 001 LEC, 02:30pm-03:45pm MW, MechE 212, instruction mode: Classroom; Interrante, Victoria, 3 cr
16755 883 LEC, 02:30pm-03:45pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Interrante, Victoria, 3 cr

5611 Animation & Planning in Games

(prereq 4041 or 4611 or instr consent)

33735 001 LEC, 04:00pm-05:15pm TTh, MechE 212, instruction mode: Classroom; Guy, Stephen J, 3 cr
34638 883 LEC, instruction mode: Primarily Online, 3 cr

5707 Principles of Database Systems

(Credit will not be granted if credit has been received for: CSCI 4707, INET 4707; prereq [4041 or instr consent], grad student)

15511 001 LEC, 09:45am-11:00am MW, KHKH 3-111, instruction mode: Classroom; Carlis, John Vincent, 3 cr
16758 883 LEC, 09:45am-11:00am MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due

on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING., 3 cr

5715 From GPS and Virtual Globes to Spatial Computing

(prereq Familiarity with Java, C++, or Python)

25408 001 LEC, 02:30pm-03:45pm TTh, KHKH 3-125, instruction mode: Classroom; Shekhar, Shashi, 3 cr

5801 Software Engineering I

(prereq 2041 or instr consent)

11198 001 LEC, 09:45am-11:00am TTh, PeikG 555, instruction mode: Classroom; Heimdahl, Mats, 3 cr
16752 883 LEC, 09:45am-11:00am TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Heimdahl, Mats, 3 cr

5980 Special Topics in Computer Science

(max crs 9; 9 repeats allowed; prereq instr consent ; may be repeated for cr)

22939 001 LEC, 01:00pm-02:15pm F, STSS 131B, instruction mode: Classroom; Konstan, Joseph Andrew, 1-3 cr; Introduction to Recommender Systems
33798 002 LEC, 02:30pm-03:45pm TTh, STSS 420A, instruction mode: Classroom; Narain, Rahul, 1-3 cr; Physics-Based Animation

5991 Independent Study

(max crs 9; 9 repeats allowed; prereq instr consent ; may be repeated for cr)

12023 001 IND, instruction mode: Classroom; Barry, Phillip, 1-3 cr
16372 002 IND, instruction mode: Classroom; Boley, Daniel L, 1-3 cr
16373 003 IND, instruction mode: Classroom; Carlis, John Vincent, 1-3 cr
16374 004 IND, instruction mode: Classroom; Banerjee, Arindam, 1-3 cr
16375 005 IND, instruction mode: Classroom; Hecht, Brent J, 1-3 cr
16376 006 IND, instruction mode: Classroom; Dovolis, Chris John, 1-3 cr
16377 007 IND, instruction mode: Classroom; Du, David Hung-Chang, 1-3 cr
16378 008 IND, instruction mode: Classroom; He, Tian, 1-3 cr
16379 009 IND, instruction mode: Classroom; Gini, Maria L, 1-3 cr
16380 010 IND, instruction mode: Classroom; Heimdahl, Mats, 1-3 cr
16381 011 IND, instruction mode: Classroom; Guy, Stephen J, 1-3 cr
16382 012 IND, instruction mode: Classroom; Interrante, Victoria, 1-3 cr
16383 013 IND, instruction mode: Classroom; Janardan, Ravi, 1-3 cr
16384 014 IND, instruction mode: Classroom; Karypis, George, 1-3 cr
16385 015 IND, instruction mode: Classroom; Knights, Dan, 1-3 cr
16386 016 IND, instruction mode: Classroom; Konstan, Joseph Andrew, 1-3 cr
16387 017 IND, instruction mode: Classroom; Kumar, Vipin, 1-3 cr
16388 018 IND, instruction mode: Classroom; Kuang, Rui, 1-3 cr
16389 019 IND, instruction mode: Classroom; Meyer, Gary W, 1-3 cr
16390 020 IND, instruction mode: Classroom; Nadathur, Gopalan, 1-3 cr
16391 021 IND, instruction mode: Classroom; Mokbel, Mohamed F, 1-3 cr
16392 022 IND, instruction mode: Classroom; Papanikolopoulos, Nikolaos P, 1-3 cr
16393 023 IND, instruction mode: Classroom; Myers, Chad Leighton, 1-3 cr
16394 024 IND, instruction mode: Classroom; McCamant, Stephen A., 1-3 cr
16395 025 IND, instruction mode: Classroom; Roumeliotis, Stergios, 1-3 cr
16396 026 IND, instruction mode: Classroom; Saad, Yousef, 1-3 cr

16397 027 IND, instruction mode: Classroom; Schrater, Paul Robert, 1-3 cr
16398 028 IND, instruction mode: Classroom; Jensen, Steve, 1-3 cr
16399 029 IND, instruction mode: Classroom; Shekhar, Shashi, 1-3 cr
16400 030 IND, instruction mode: Classroom; , 1-3 cr
16401 031 IND, instruction mode: Classroom; Srivastava, Jaideep, 1-3 cr
16402 032 IND, instruction mode: Classroom; Sturtivant, Carl, 1-3 cr
16403 033 IND, instruction mode: Classroom; , 1-3 cr
16404 034 IND, instruction mode: Classroom; Terveen, Loren Gilbert, 1-3 cr
16405 035 IND, instruction mode: Classroom; Tripathi, Anand R, 1-3 cr
16406 036 IND, instruction mode: Classroom; Van Wyk, Eric, 1-3 cr
16407 037 IND, instruction mode: Classroom; Isler, Volkan Ibrahim, 1-3 cr
16408 038 IND, instruction mode: Classroom; Weissman, Jon B, 1-3 cr
16409 039 IND, instruction mode: Classroom; Yew, Pen-Chung, 1-3 cr
16410 040 IND, instruction mode: Classroom; Zhang, Zhi-Li, 1-3 cr
17057 041 IND, instruction mode: Classroom; Chandra, Abhishek, 1-3 cr
17058 042 IND, instruction mode: Classroom; Hopper, Nicholas J, 1-3 cr
17059 043 IND, instruction mode: Classroom; Zhai, Antonia Bingheng, 1-3 cr
19450 044 IND, instruction mode: Classroom; Keefe, Daniel F, 1-3 cr

5994 Directed Research

(max crs 9; 9 repeats allowed; prereq instr consent ; may be repeated for cr)

12024 001 IND, instruction mode: Classroom; Barry, Phillip, 1-3 cr
16411 002 IND, instruction mode: Classroom; Boley, Daniel L, 1-3 cr
16412 003 IND, instruction mode: Classroom; Carlis, John Vincent, 1-3 cr
16413 004 IND, instruction mode: Classroom; Banerjee, Arindam, 1-3 cr
16414 005 IND, instruction mode: Classroom; Hecht, Brent J, 1-3 cr
16415 006 IND, instruction mode: Classroom; Dovolis, Chris John, 1-3 cr
16416 007 IND, instruction mode: Classroom; Du, David Hung-Chang, 1-3 cr
16417 008 IND, instruction mode: Classroom; He, Tian, 1-3 cr
16418 009 IND, instruction mode: Classroom; Gini, Maria L, 1-3 cr
16419 010 IND, instruction mode: Classroom; Heimdahl, Mats, 1-3 cr
16420 011 IND, instruction mode: Classroom; Guy, Stephen J, 1-3 cr
16421 012 IND, instruction mode: Classroom; Interrante, Victoria, 1-3 cr
16422 013 IND, instruction mode: Classroom; Janardan, Ravi, 1-3 cr
16423 014 IND, instruction mode: Classroom; Karypis, George, 1-3 cr
16424 015 IND, instruction mode: Classroom; Knights, Dan, 1-3 cr
16425 016 IND, instruction mode: Classroom; Konstan, Joseph Andrew, 1-3 cr
16426 017 IND, instruction mode: Classroom; Kumar, Vipin, 1-3 cr
16427 018 IND, instruction mode: Classroom; Kuang, Rui, 1-3 cr
16428 019 IND, instruction mode: Classroom; Meyer, Gary W, 1-3 cr
16429 020 IND, instruction mode: Classroom; Nadathur, Gopalan, 1-3 cr
16430 021 IND, instruction mode: Classroom; Mokbel, Mohamed F, 1-3 cr
16431 022 IND, instruction mode: Classroom; Papanikolopoulos, Nikolaos P, 1-3 cr
16432 023 IND, instruction mode: Classroom; Myers, Chad Leighton, 1-3 cr
16433 024 IND, instruction mode: Classroom; McCamant, Stephen A., 1-3 cr
16434 025 IND, instruction mode: Classroom; Roumeliotis, Stergios, 1-3 cr
16435 026 IND, instruction mode: Classroom; Saad, Yousef, 1-3 cr
16436 027 IND, instruction mode: Classroom; Schrater, Paul Robert, 1-3 cr
16437 028 IND, instruction mode: Classroom; Jensen, Steve, 1-3 cr
16438 029 IND, instruction mode: Classroom; Shekhar, Shashi, 1-3 cr
16439 030 IND, instruction mode: Classroom; , 1-3 cr

16440 031 IND, instruction mode: Classroom; Srivastava, Jaideep, 1-3 cr
 16441 032 IND, instruction mode: Classroom; Sturivant, Carl, 1-3 cr
 16442 033 IND, instruction mode: Classroom; , 1-3 cr
 16443 034 IND, instruction mode: Classroom; Terveen, Loren Gilbert, 1-3 cr
 16444 035 IND, instruction mode: Classroom; Tripathi, Anand R., 1-3 cr
 16445 036 IND, instruction mode: Classroom; Van Wyk, Eric, 1-3 cr
 16446 037 IND, instruction mode: Classroom; Isler, Volkan Ibrahim, 1-3 cr
 16447 038 IND, instruction mode: Classroom; Weissman, Jon B., 1-3 cr
 16448 039 IND, instruction mode: Classroom; Yew, Pen-Chung, 1-3 cr
 16449 040 IND, instruction mode: Classroom; Zhang, Zhi-Li, 1-3 cr
 17060 041 IND, instruction mode: Classroom; Chandra, Abhishek, 1-3 cr
 17061 042 IND, instruction mode: Classroom; Hopper, Nicholas J., 1-3 cr
 17062 043 IND, instruction mode: Classroom; Zhai, Antonia Bingheng, 1-3 cr
 19451 044 IND, instruction mode: Classroom; Keefe, Daniel F., 1-3 cr

5996 Curricular Practical Training

(max crs 3; 3 repeats allowed; S-N only; prereq [CSci or CompE] major, instr consent)

13509 001 FWK, instruction mode: Classroom; Barry, Phillip, 1 cr
 16450 002 FWK, instruction mode: Classroom; Boley, Daniel L., 1 cr
 16451 003 FWK, instruction mode: Classroom; Carlis, John Vincent, 1 cr
 16452 004 FWK, instruction mode: Classroom; Banerjee, Arindam, 1 cr
 16453 005 FWK, instruction mode: Classroom; Hecht, Brent J., 1 cr
 16454 006 FWK, instruction mode: Classroom; Dovolis, Chris John, 1 cr
 16455 007 FWK, instruction mode: Classroom; Du, David Hung-Chang, 1 cr
 16456 008 FWK, instruction mode: Classroom; He, Tian, 1 cr
 16457 009 FWK, instruction mode: Classroom; Gini, Maria L., 1 cr
 16458 010 FWK, instruction mode: Classroom; Heimdahl, Mats, 1 cr
 16459 011 FWK, instruction mode: Classroom; Guy, Stephen J., 1 cr
 16460 012 FWK, instruction mode: Classroom; Interrante, Victoria, 1 cr
 16461 013 FWK, instruction mode: Classroom; Janardan, Ravi, 1 cr
 16462 014 FWK, instruction mode: Classroom; Karypis, George, 1 cr
 16463 015 FWK, instruction mode: Classroom; Knights, Dan, 1 cr
 16464 016 FWK, instruction mode: Classroom; Konstan, Joseph Andrew, 1 cr
 16465 017 FWK, instruction mode: Classroom; Kumar, Vipin, 1 cr
 16466 018 FWK, instruction mode: Classroom; Kuang, Rui, 1 cr
 16467 019 FWK, instruction mode: Classroom; Meyer, Gary W., 1 cr
 16468 020 FWK, instruction mode: Classroom; Nadathur, Gopalan, 1 cr
 16469 021 FWK, instruction mode: Classroom; Mokbel, Mohamed F., 1 cr
 16470 022 FWK, instruction mode: Classroom; Papanikolopoulos, Nikolaos P., 1 cr
 16471 023 FWK, instruction mode: Classroom; Myers, Chad Leighton, 1 cr
 16472 024 FWK, instruction mode: Classroom; McCamant, Stephen A., 1 cr
 16473 025 FWK, instruction mode: Classroom; Roumeliotis, Stergios, 1 cr
 16474 026 FWK, instruction mode: Classroom; Saad, Yousef, 1 cr
 16475 027 FWK, instruction mode: Classroom; Schrater, Paul Robert, 1 cr
 16476 028 FWK, instruction mode: Classroom; Jensen, Steve, 1 cr
 16477 029 FWK, instruction mode: Classroom; Shekhar, Shashi, 1 cr
 16478 030 FWK, instruction mode: Classroom; , 1 cr
 16479 031 FWK, instruction mode: Classroom; Srivastava, Jaideep, 1 cr
 16480 032 FWK, instruction mode: Classroom; Sturivant, Carl, 1 cr
 16481 033 FWK, instruction mode: Classroom; , 1 cr
 16482 034 FWK, instruction mode: Classroom; Terveen, Loren Gilbert, 1 cr

16483 035 FWK, instruction mode: Classroom; Tripathi, Anand R., 1 cr
 16484 036 FWK, instruction mode: Classroom; Van Wyk, Eric, 1 cr
 16485 037 FWK, instruction mode: Classroom; Isler, Volkan Ibrahim, 1 cr
 16486 038 FWK, instruction mode: Classroom; Weissman, Jon B., 1 cr
 16487 039 FWK, instruction mode: Classroom; Yew, Pen-Chung, 1 cr
 16488 040 FWK, instruction mode: Classroom; Zhang, Zhi-Li, 1 cr
 17063 041 FWK, instruction mode: Classroom; Chandra, Abhishek, 1 cr
 17064 042 FWK, instruction mode: Classroom; Hopper, Nicholas J., 1 cr
 17065 043 FWK, instruction mode: Classroom; Zhai, Antonia Bingheng, 1 cr
 19452 044 FWK, instruction mode: Classroom; Keefe, Daniel F., 1 cr

8001 Introduction to Research in Computer Science I

(A-F; prereq 1st yr CS PhD student)

18012 001 LEC, 11:15am-12:30pm F, STSS 420B, instruction mode: Classroom; , 1 cr

8115 Human-Computer Interaction and User Interface Technology

(prereq 5115 or instr consent)

33734 001 LEC, 09:45am-11:00am MW, STSS 117, instruction mode: Classroom; Terveen, Loren Gilbert, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13957 001 IND, instruction mode: Classroom, 1 cr

8363 Numerical Linear Algebra in Data Exploration

(prereq 5304 or instr consent)

32897 001 LEC, 04:00pm-05:15pm MW, AkerH 227, instruction mode: Classroom; Boley, Daniel L., 3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14093 001 IND, instruction mode: Classroom, 1 cr

8551 Intelligent Agents

(prereq 5511 or instr consent)

32898 001 LEC, 04:00pm-05:15pm MW, STSS 121, instruction mode: Classroom; Gini, Maria L., 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14211 001 IND, instruction mode: Classroom, 1-6 cr

8735 Advanced Database Systems

(A-F only; prereq 4707 or 5707 or 5708)

32899 1001 LEC, 06:30pm-09:00pm T, STSS 121, instruction mode: Classroom; Mokbel, Mohamed F., 3 cr

8760 Plan B Project

(S-N only; prereq CSci MS student, instr consent)

12322 001 IND, instruction mode: Classroom, 3 cr
 16489 002 IND, instruction mode: Classroom; Boley, Daniel L., 3 cr
 16490 003 IND, instruction mode: Classroom; Carlis, John Vincent, 3 cr
 16491 004 IND, instruction mode: Classroom; Banerjee, Arindam, 3 cr
 16492 005 IND, instruction mode: Classroom; Hecht, Brent J., 3 cr
 16493 006 IND, instruction mode: Classroom, 3 cr
 16494 007 IND, instruction mode: Classroom; Du, David Hung-Chang, 3 cr
 16495 008 IND, instruction mode: Classroom; He, Tian, 3 cr
 16496 009 IND, instruction mode: Classroom; Gini, Maria L., 3 cr
 16497 010 IND, instruction mode: Classroom; Heimdahl, Mats, 3 cr
 16498 011 IND, instruction mode: Classroom; Guy, Stephen J., 3 cr
 16499 012 IND, instruction mode: Classroom; Interrante, Victoria, 3 cr
 16500 013 IND, instruction mode: Classroom; Janardan, Ravi, 3 cr
 16501 014 IND, instruction mode: Classroom; Karypis, George, 3 cr

16502 015 IND, instruction mode: Classroom; Knights, Dan, 3 cr
 16503 016 IND, instruction mode: Classroom; Konstan, Joseph Andrew, 3 cr
 16504 017 IND, instruction mode: Classroom; Kumar, Vipin, 3 cr
 16505 018 IND, instruction mode: Classroom; Kuang, Rui, 3 cr
 16506 019 IND, instruction mode: Classroom; Meyer, Gary W., 3 cr
 16507 020 IND, instruction mode: Classroom; Nadathur, Gopalan, 3 cr
 16508 021 IND, instruction mode: Classroom; Mokbel, Mohamed F., 3 cr
 16509 022 IND, instruction mode: Classroom; Papanikolopoulos, Nikolaos P., 3 cr
 16510 023 IND, instruction mode: Classroom; Myers, Chad Leighton, 3 cr
 16511 024 IND, instruction mode: Classroom; McCamant, Stephen A., 3 cr
 16512 025 IND, instruction mode: Classroom; Roumeliotis, Stergios, 3 cr
 16513 026 IND, instruction mode: Classroom; Saad, Yousef, 3 cr
 16514 027 IND, instruction mode: Classroom; Schrater, Paul Robert, 3 cr
 16515 028 IND, instruction mode: Classroom; Jensen, Steve, 3 cr
 16516 029 IND, instruction mode: Classroom; Shekhar, Shashi, 3 cr
 16517 030 IND, instruction mode: Classroom; , 3 cr
 16518 031 IND, instruction mode: Classroom; Srivastava, Jaideep, 3 cr
 16519 032 IND, instruction mode: Classroom, 3 cr
 16520 033 IND, instruction mode: Classroom, 3 cr
 16521 034 IND, instruction mode: Classroom; Terveen, Loren Gilbert, 3 cr
 16522 035 IND, instruction mode: Classroom; Tripathi, Anand R., 3 cr
 16523 036 IND, instruction mode: Classroom; Van Wyk, Eric, 3 cr
 16524 037 IND, instruction mode: Classroom; Isler, Volkan Ibrahim, 3 cr
 16525 038 IND, instruction mode: Classroom; Weissman, Jon B., 3 cr
 16526 039 IND, instruction mode: Classroom; Yew, Pen-Chung, 3 cr
 16527 040 IND, instruction mode: Classroom; Zhang, Zhi-Li, 3 cr
 17066 041 IND, instruction mode: Classroom; Chandra, Abhishek, 3 cr
 17067 042 IND, instruction mode: Classroom; Hopper, Nicholas J., 3 cr
 17068 043 IND, instruction mode: Classroom; Zhai, Antonia Bingheng, 3 cr
 19453 044 IND, instruction mode: Classroom; Keefe, Daniel F., 3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14299 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13731 001 IND, instruction mode: Classroom, 1-24 cr

8970 Computer Science Colloquium

(S-N only)

12152 001 LEC, 11:15am-12:15pm M, KHKH 3-125, instruction mode: Classroom; , 1 cr
 16761 883 LEC, 11:15am-12:15pm M, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; , 1 cr

8980 Special Advanced Topics in Computer Science

(max crs 27; 9 repeats allowed; prereq instr consent)

32895 001 LEC, 09:45am-11:00am MW, AmundH 104, instruction mode: Classroom; Du, David Hung-Chang, 1-3 cr
 15031 002 LEC, 09:45am-11:00am TTh, VinH 213, instruction mode: Classroom; Yew, Pen-Chung, 1-3 cr

23825 003 LEC, 01:00pm-02:15pm TTh, AkerH 215,
instruction mode: Classroom; Kuang, Rui, 1-3 cr
32938 004 LEC, 04:00pm-05:15pm TTh, AmundH 104,
instruction mode: Classroom; Chandra, Abhishek, 1-3 cr

8991 Independent Study

(max crs 9; 9 repeats allowed; prereq instr consent)
12025 001 IND, instruction mode: Classroom; Barry, Phillip,
1-3 cr
16529 002 IND, instruction mode: Classroom; Boley, Daniel
L, 1-3 cr
16530 003 IND, instruction mode: Classroom; Carlis, John
Vincent, 1-3 cr
16531 004 IND, instruction mode: Classroom; Banerjee,
Arindam, 1-3 cr
16532 005 IND, instruction mode: Classroom; Hecht, Brent J,
1-3 cr
16533 006 IND, instruction mode: Classroom; Dovolis, Chris
John, 1-3 cr
16534 007 IND, instruction mode: Classroom; Du, David
Hung-Chang, 1-3 cr
16535 008 IND, instruction mode: Classroom; He, Tian, 1-3 cr
16536 009 IND, instruction mode: Classroom; Gini, Maria L,
1-3 cr
16537 010 IND, instruction mode: Classroom; Heimdahl,
Mats, 1-3 cr
16538 011 IND, instruction mode: Classroom; Guy, Stephen
J, 1-3 cr
16539 012 IND, instruction mode: Classroom; Interrante,
Victoria, 1-3 cr
16540 013 IND, instruction mode: Classroom; Janardan, Ravi,
1-3 cr
16541 014 IND, instruction mode: Classroom; Karypis,
George, 1-3 cr
16542 015 IND, instruction mode: Classroom; Knights, Dan,
1-3 cr
16543 016 IND, instruction mode: Classroom; Konstan,
Joseph Andrew, 1-3 cr
16544 017 IND, instruction mode: Classroom; Kumar, Vipin,
1-3 cr
16545 018 IND, instruction mode: Classroom; Kuang, Rui, 1-3
cr
16546 019 IND, instruction mode: Classroom; Meyer, Gary W,
1-3 cr
16547 020 IND, instruction mode: Classroom; Nadathur,
Gopalan, 1-3 cr
16548 021 IND, instruction mode: Classroom; Mokbel,
Mohamed F, 1-3 cr
16549 022 IND, instruction mode: Classroom;
Papanikolopoulos, Nikolaos P, 1-3 cr
16550 023 IND, instruction mode: Classroom; Myers, Chad
Leighton, 1-3 cr
16551 024 IND, instruction mode: Classroom; McCamant,
Stephen A., 1-3 cr
16552 025 IND, instruction mode: Classroom; Roumeliotis,
Stergios, 1-3 cr
16553 026 IND, instruction mode: Classroom; Saad, Yousef,
1-3 cr
16554 027 IND, instruction mode: Classroom; Schrater, Paul
Robert, 1-3 cr
16555 028 IND, instruction mode: Classroom; Jensen, Steve,
1-3 cr
16556 029 IND, instruction mode: Classroom; Shekhar,
Shashi, 1-3 cr
16557 030 IND, instruction mode: Classroom; , 1-3 cr
16558 031 IND, instruction mode: Classroom; Srivastava,
Jaideep, 1-3 cr
16559 032 IND, instruction mode: Classroom; Sturtivant, Carl,
1-3 cr
16560 033 IND, instruction mode: Classroom; , 1-3 cr
16561 034 IND, instruction mode: Classroom; Terveen, Loren
Gilbert, 1-3 cr
16562 035 IND, instruction mode: Classroom; Tripathi, Anand
R, 1-3 cr
16563 036 IND, instruction mode: Classroom; Van Wyk, Eric,
1-3 cr
16564 037 IND, instruction mode: Classroom; Isler, Volkan
Ibrahim, 1-3 cr
16565 038 IND, instruction mode: Classroom; Weissman, Jon
B, 1-3 cr
16566 039 IND, instruction mode: Classroom; Yew, Pen-
Chung, 1-3 cr
16567 040 IND, instruction mode: Classroom; Zhang, Zhi-Li,
1-3 cr
17069 041 IND, instruction mode: Classroom; Chandra,
Abhishek, 1-3 cr
17070 042 IND, instruction mode: Classroom; Hopper,
Nicholas J, 1-3 cr
17071 043 IND, instruction mode: Classroom; Zhai, Antonia
Bingheng, 1-3 cr
19454 044 IND, instruction mode: Classroom; Keefe, Daniel
F, 1-3 cr

8994 Directed Research in Computer Science

(max crs 9; 9 repeats allowed; prereq instr consent)

12026 001 IND, instruction mode: Classroom; Barry, Phillip,
1-3 cr
16568 002 IND, instruction mode: Classroom; Boley, Daniel
L, 1-3 cr
16569 003 IND, instruction mode: Classroom; Carlis, John
Vincent, 1-3 cr
16570 004 IND, instruction mode: Classroom; Banerjee,
Arindam, 1-3 cr
16571 005 IND, instruction mode: Classroom; Hecht, Brent J,
1-3 cr
16572 006 IND, instruction mode: Classroom; Dovolis, Chris
John, 1-3 cr
16573 007 IND, instruction mode: Classroom; Du, David
Hung-Chang, 1-3 cr
16574 008 IND, instruction mode: Classroom; He, Tian, 1-3 cr
16575 009 IND, instruction mode: Classroom; Gini, Maria L,
1-3 cr
16576 010 IND, instruction mode: Classroom; Heimdahl,
Mats, 1-3 cr
16577 011 IND, instruction mode: Classroom; Guy, Stephen
J, 1-3 cr
16578 012 IND, instruction mode: Classroom; Interrante,
Victoria, 1-3 cr
16579 013 IND, instruction mode: Classroom; Janardan, Ravi,
1-3 cr
16580 014 IND, instruction mode: Classroom; Karypis,
George, 1-3 cr
16581 015 IND, instruction mode: Classroom; Knights, Dan,
1-3 cr
16582 016 IND, instruction mode: Classroom; Konstan,
Joseph Andrew, 1-3 cr
16583 017 IND, instruction mode: Classroom; Kumar, Vipin,
1-3 cr
16584 018 IND, instruction mode: Classroom; Kuang, Rui, 1-3
cr
16585 019 IND, instruction mode: Classroom; Meyer, Gary W,
1-3 cr
16586 020 IND, instruction mode: Classroom; Nadathur,
Gopalan, 1-3 cr
16587 021 IND, instruction mode: Classroom; Mokbel,
Mohamed F, 1-3 cr
16588 022 IND, instruction mode: Classroom;
Papanikolopoulos, Nikolaos P, 1-3 cr
16589 023 IND, instruction mode: Classroom; Myers, Chad
Leighton, 1-3 cr
16590 024 IND, instruction mode: Classroom; McCamant,
Stephen A., 1-3 cr
16591 025 IND, instruction mode: Classroom; Roumeliotis,
Stergios, 1-3 cr
16592 026 IND, instruction mode: Classroom; Saad, Yousef,
1-3 cr
16593 027 IND, instruction mode: Classroom; Schrater, Paul
Robert, 1-3 cr
16594 028 IND, instruction mode: Classroom; Jensen, Steve,
1-3 cr
16595 029 IND, instruction mode: Classroom; Shekhar,
Shashi, 1-3 cr
16596 030 IND, instruction mode: Classroom; , 1-3 cr
16597 031 IND, instruction mode: Classroom; Srivastava,
Jaideep, 1-3 cr
16598 032 IND, instruction mode: Classroom; Sturtivant, Carl,
1-3 cr
16599 033 IND, instruction mode: Classroom; , 1-3 cr
16600 034 IND, instruction mode: Classroom; Terveen, Loren
Gilbert, 1-3 cr
16601 035 IND, instruction mode: Classroom; Tripathi, Anand
R, 1-3 cr
16602 036 IND, instruction mode: Classroom; Van Wyk, Eric,
1-3 cr
16603 037 IND, instruction mode: Classroom; Isler, Volkan
Ibrahim, 1-3 cr
16604 038 IND, instruction mode: Classroom; Weissman, Jon
B, 1-3 cr
16605 039 IND, instruction mode: Classroom; Yew, Pen-
Chung, 1-3 cr
16606 040 IND, instruction mode: Classroom; Zhang, Zhi-Li,
1-3 cr
17072 041 IND, instruction mode: Classroom; Chandra,
Abhishek, 1-3 cr
17073 042 IND, instruction mode: Classroom; Hopper,
Nicholas J, 1-3 cr
17074 043 IND, instruction mode: Classroom; Zhai, Antonia
Bingheng, 1-3 cr
19455 044 IND, instruction mode: Classroom; Keefe, Daniel
F, 1-3 cr

CONSERVATION BIOLOGY (CBio)

199 McNeal Hall, 1985 Buford Ave, St Paul
Campus, St Paul, MN, 55108
612/624-7751, <http://www.consbio.umn.edu>

8001 Conservation Biology Seminar

(max crs 6; 6 repeats allowed; S-N only; prereq instr consent)

14458 001 LEC, 04:05pm-05:05pm M, BorH 335, STPAUL,
instruction mode: Classroom, 1 cr
24683 002 LEC, 12:00pm-01:00pm T, BorH 365, STPAUL,
instruction mode: Classroom; Location to be determined;
Blair, Robert B, 1 cr

8095 Contemporary Problems in Conservation Biology

(S-N only; prereq 8004, FW 8452, instr consent)
14459 001 DIS, instruction mode: Classroom, 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13950 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14086 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14204 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14292 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required; prior to passing written and oral prelims, must have: 1 yr coursework in program; approval on a degree program; 1-2 pg research proposal (approved by adviser) to DGS asst)

13724 001 IND, instruction mode: Classroom, 1-24 cr

CONSTRUCTION MANAGEMENT (CMgt)

20 Ruttan Hall, 1994 Buford Avenue, St Paul
Campus, St Paul, MN, 55108
612/624-4000, <http://www.cce.umn.edu/BAS-Construction-Management>

2019 AutoCAD for Construction Managers

(prereq 30 sem cr)

17624 1001 LEC, 06:00pm-09:35pm T, FordH 110, 10/27/
15-12/15/15, instruction mode: Classroom; 7 meetings,
second half; Moodle enhanced; Students will need to bring
a laptop to each class meeting for software installation/
instruction. PC is recommended. Students using a Mac
may need to install additional software in order to use
AutoCAD.; 2 seats reserved for non-PSEO, non-admitted
student; Johnson, Ann M, 2 cr

3001 Introduction to Construction

14394 1001 LEC, 06:00pm-08:45pm M, FordH 110, 09/14/
15-12/14/15, instruction mode: Classroom; 14 meetings;
2 seats reserved for non-PSEO, non-admitted student;
Wenck, Troy Alan, 3 cr

3011 Construction Plan Reading

15595 1001 LEC, 06:00pm-09:35pm T, RapsonH 31, 09/08/
15-10/20/15, instruction mode: Classroom; 7 meetings; first
half of semester; Moodle enhanced; 2 seats reserved for
non-PSEO, non-admitted student; Kuehni, Rose Marie, 2 cr

4011 Construction Documents and Contracts

(prereq 3001, 45 sem cr)

15532 1001 LEC, 06:00pm-08:45pm M, MechE 102, 09/14/
15-12/14/15, instruction mode: Partially Online; Moodle
enhanced; 2 seats reserved for non-PSEO, non-admitted
student; Hauser, Stephen George; Creager, Bradley W, 3
cr

4021 Construction Planning and Scheduling

(prereq 3001, 3011, 45 sem cr)

12949 1001 LEC, 06:00pm-08:45pm Th, FordH 110, 09/10/
15-12/10/15, instruction mode: Partially Online; Laptop

is needed in class, and a PC is highly recommended. Students using a Mac may need to install additional software in order to use MS Project.; Moodle enhanced; 13 class meetings, 9/10 through 12/10, plus final on December 17.; 2 seats reserved for non-PSEO, non-admitted student; Styrlund, Kenneth Andre; Galetka, David Alan, 3 cr

4022 Construction Estimating

(prereq 3001, 3011, 45 sem cr)

15596 001 LEC, 03:35pm-05:30pm Th, STSS 131A, 09/10/15-12/10/15, instruction mode: Partially Online; Moodle enhanced--some of the modules will be delivered entirely online.; 2 seats reserved for non-PSEO, non-admitted student; Adamson, Mark Richard, 3 cr

4031 Construction Safety and Loss Control

(prereq 3001, 45 sem cr)

13362 1001 LEC, 06:00pm-08:45pm W, FordH 151, 09/09/15-12/16/15, instruction mode: Classroom; Moodle enhanced; No class day before Thanksgiving.; 2 seats reserved for non-PSEO, non-admitted student; Laubach, Ethan A, 3 cr

4193 Directed Study

(max crs 12; 3 repeats allowed; prereq Admitted to CMgt major or minor or certificate)

14387 001 IND, instruction mode: Independent/Directed Studies; Topic arranged with BAS Construction Management faculty. For further information on the Directed Study, go here: <http://www.cce.umn.edu/documents/DCP/BAS-Directed-Study.pdf>. You may download a Student/ Faculty Agreement Form at <http://cce.umn.edu/documents/DCP/BAS-Student-Faculty-Agreement.doc>, 1-4 cr

4196 Construction Management Internship

(max crs 12; 3 repeats allowed; S-N; prereq [[CMgt] major or minor or certificate student], [jr or sr], dept consent)

22714 001 FWK, instruction mode: Independent/Directed Studies; The typical internship is 3 credits. One credit = minimum 120 work hours. One evening classroom meeting and one noon teleconference are required for registrants; dates TBA. To register, you must complete an Internship Learning Agreement on the GoldPASS website: goldpass.umn.edu. When that agreement has been submitted and approved, a permission number will be e-mailed to you. Please e-mail the internship coordinator at cceintrn@umn.edu for further information and assistance with registrar; Hilger, AIA, Peter, 1-4 cr

4213 Facility Operations and Maintenance Intensive

(A-F only; prereq [2021 or Concurrent registration is required (or allowed) in 2021], [3001 or Concurrent registration is required (or allowed) in 3001], [4011 or Concurrent registration is required (or allowed) in 4011], [4562 or Concurrent registration is required (or allowed) in 4562] recommended)

25504 1001 LEC, 06:00pm-08:45pm M, FordH 151, 09/14/15-12/14/15, instruction mode: Classroom; Final Presentations in Finals Week, December 21.; Fisher, Kristine Kay, 3 cr

4550 Topics in Construction Management

(max crs 12; 6 repeats allowed; A-F only)

25578 001 LEC, 09/08/15-10/26/15, instruction mode: Classroom; FIRST half of semester., 1-2 cr
22882 1002 LEC, 06:00pm-09:35pm T, FordH 151, 10/27/15-12/15/15, instruction mode: Primarily Online; Topic: Innovative Contracting. SECOND half of semester., 1-2 cr

4562 Building Envelope Design and Construction

(A-F only; prereq None, but 4542 or 4572 or professional experience recommended)

21465 1001 LEC, 06:00pm-09:35pm W, FordH 110, 09/09/15-10/21/15, instruction mode: Classroom; First half of semester.; Campbell, David W, 2 cr

4572 Structural Frames and Building Design/Construction

(A-F only; prereq 3001, [AEM 2011 or BP 3001 or BP 3101]; Credit will not be granted if the student has already completed Arch 4571 or Arch 4572)

17740 1001 LEC, 06:00pm-08:55pm Th, FordH 127, 09/10/15-12/10/15, instruction mode: Classroom; 13 class meetings; Hale, Jupe, 3 cr

CONTINUING DENTAL EDUCATION (CDEd)

6-406 Moos Tower, 515 Delaware St Se, East Bank Campus, Minneapolis, MN, 55455
612/625-1418, <http://www.dentalce.umn.edu/>

6101 Postgraduate Contemporary Esthetic Dentistry I: Level I--Lecture/Laboratory Series

(S-N only)

15857 001 LEC, instruction mode: Classroom, 5 cr

6202 Postgraduate Contemporary Esthetic Dentistry: Level II--Patient Series

(S-N only; prereq 6101)

15858 001 LEC, instruction mode: Classroom, 5 cr

7303 Postgraduate Contemporary Esthetic Dentistry: Level III--Dental Implants

(S-N only)

15859 001 LEC, instruction mode: Classroom; Olin, Paul S; Swift, James Q, 2 cr

7306 Postgraduate Contemporary Esthetic Dentistry: Level III--Diagnostic Box

(S-N only)

15860 001 LEC, instruction mode: Classroom; Olin, Paul S, 1 cr

CONTROL SCIENCE AND DYNAMICAL SYSTEMS (CSDy)

107 Akerman Hall, 110 Union St SE, East Bank Campus, Minneapolis, MN, 55455
612/624-3364, <http://www.aem.umn.edu>

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14095 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14213 001 IND, instruction mode: Classroom, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13733 001 IND, instruction mode: Classroom, 1-24 cr

8899 Seminar in Control Science and Dynamical Systems

(max crs 9; 9 repeats allowed; S-N only; prereq CSDy or IT grad)

15630 001 LEC, 12:20pm-01:10pm F, AkerH 211, instruction mode: Classroom, 1-3 cr

COPTIC (Copt)

330 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5353, <http://cnes.cla.umn.edu>

5001 Elementary Coptic

34220 001 DIS, 01:25pm-02:15pm MWF, CivE 214, instruction mode: Classroom; Sellow, Philip, 3 cr

CULTURAL STUDIES AND COMPARATIVE LITERATURE (CSCL)

235 Nicholson Hall, 216 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/624-8099, <http://cscl.umn.edu/>

1001 Introduction to Cultural Studies:

Rhetoric, Power, Desire

(meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

11038 001 LEC, 09:45am-11:00am TTh, NichH 155, instruction mode: Classroom; Ganapathy, Anjali; Rathi, Harshit, 4 cr

1101 Literature

(meets CLE req of Literature)

12018 001 LEC, 11:15am-12:30pm TTh, NichH 155, instruction mode: Classroom; Trapp, Erin Corianne, 4 cr

1201 Introduction to Cinema and Media Culture

(Credit will not be granted if credit has been received for: SCMC 1201; meets CLE req of Arts/Humanities)

34732 001 LEC, 04:00pm-05:15pm M, NichH 155, 11:15am-02:15pm F, NichH 155, instruction mode: Classroom, 4 cr

1301W Reading Culture: Theory and Practice

(meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)

23785 001 LEC, 08:15am-09:30am MW, NichH 355, instruction mode: Classroom; Renwick, Derk, 4 cr

23790 002 LEC, 11:15am-12:05pm MWF, NichH 345, instruction mode: Classroom; Cambier, Vanessa Marie, 4 cr

23791 003 LEC, 09:45am-11:00am TTh, NichH 345, instruction mode: Classroom; Gyenge, Andrea, 4 cr

1401W Reading Literature: Theory and Practice

(meets CLE req of Literature; meets CLE req of Writing Intensive)

20634 001 LEC, 08:15am-09:30am MW, NichH 345, instruction mode: Classroom; Mohr, Dylan P, 4 cr

20635 002 LEC, 10:10am-11:00am MWF, NichH 335, instruction mode: Classroom; Banerjee, Koel, 4 cr

20636 003 LEC, 04:00pm-05:15pm TTh, NichH 345, instruction mode: Classroom; Barody, Michelle, 4 cr

23812 1004 LEC, 06:20pm-08:50pm W, NichH 345, instruction mode: Classroom; Sarlati, Niloofer, 4 cr

1501W Reading History: Theory and Practice

(meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

13366 001 LEC, 11:15am-12:30pm TTh, NichH 355, instruction mode: Classroom; Vad, Mikkel Kaas, 4 cr

21498 1002 LEC, 06:20pm-08:50pm Th, NichH 345, instruction mode: Classroom; Gildersleeve, Courtney L, 4 cr

1907W Freshman Seminar

(A-F only; prereq freshman; meets CLE req of Writing Intensive)

34342 001 LEC, 01:00pm-02:15pm TTh, NichH 125, instruction mode: Classroom, 3 cr

1910W Freshman Seminar

(max crs 6; A-F only; prereq freshman; meets CLE req of Writing Intensive)

34344 001 LEC, 09:45am-11:00am TTh, NichH 315, instruction mode: Classroom; Brown Jr, Robert L, 3 cr

3115 Cinema and Ideology

(meets CLE req of Arts/Humanities)

11039 001 LEC, 02:30pm-05:15pm T, FolH 112, 02:30pm-03:45pm Th, NichH 120, instruction mode: Classroom; Lekas, Michelle Yvonne, 4 cr

3172 Music as Discourse

(meets CLE req of Arts/Humanities)

33856 001 LEC, 11:15am-12:30pm TTh, NichH 35, instruction mode: Classroom; Leppert, Richard, 3 cr

3173W The Rhetoric of Everyday Life

(meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

21786 001 LEC, 01:00pm-02:15pm MW, NichH 345, instruction mode: Classroom, 3 cr

23837 002 LEC, 02:30pm-03:45pm TTh, NichH 355, instruction mode: Classroom; Fedoruk, Emily A, 3 cr

3175 Comedy: Text and Theory

(meets CLE req of Arts/Humanities)

33858 001 LEC, 09:45am-11:00am TTh, AndH 370, instruction mode: Classroom, 3 cr

3177 On Television

(meets CLE req of Civic Life and Ethics)

15728 1001 LEC, 06:20pm-08:50pm Th, NichH 35, instruction mode: Classroom; Gill, Meredith Morgan, 4 cr

23083 002 LEC, 09:45am-11:00am MW, STSS 121, instruction mode: Classroom; Bellatti, Brad Jacob, 4 cr

23838 003 LEC, 02:30pm-03:45pm TTh, NichH 345,
instruction mode: Classroom; Saljoughi, Sara, 4 cr

3179 Reading Literary Movements

(meets CLE req of Literature)
33855 001 LEC, 04:00pm-05:15pm MW, NichH 355,
instruction mode: Classroom; Saxena, Akshya, 3 cr

3321W Theories of Culture

(meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)
11040 001 LEC, 01:00pm-02:15pm TTh, NichH 355,
instruction mode: Classroom, 3 cr

3456W Sexuality and Culture

(meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive)
17301 001 LEC, 01:00pm-02:15pm MW, NichH 35, instruction mode: Classroom; Meets with: 21810 GLBT 3456W; Lekas, Michelle Yvonne, 3 cr
20774 002 LEC, 06:20pm-08:50pm Th, NichH 125,
instruction mode: Classroom; Lekas, Michelle Yvonne, 3 cr

3458W The Body and the Politics of Representation

(meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)
11043 001 LEC, 06:20pm-08:50pm T, NichH 345, instruction mode: Classroom; Trapp, Erin Corianne, 3 cr
25623 002 LEC, 06:20pm-08:50pm Th, NichH 355,
instruction mode: Classroom; Trapp, Erin Corianne, 3 cr

3461 Monsters, Robots, Cyborgs

(meets CLE req of Literature)
15041 001 LEC, 01:25pm-02:15pm MW, NichH 275,
instruction mode: Classroom, 3 cr

3465 Aliens

(meets CLE req of Diversity and Soc Justice US)
23839 001 LEC, 01:00pm-02:15pm TTh, NichH 345,
instruction mode: Classroom; Stiffler, Brad, 3 cr

3557W Close Reading

(meets CLE req of Literature; meets CLE req of Writing Intensive)
22363 001 LEC, 11:15am-12:30pm TTh, NichH 145,
instruction mode: Classroom; Pepper, Thomas Adam, 3 cr

3993 Directed Study

(max crs 3)
34374 010 IND, instruction mode: Classroom; To enroll in a directed study, please contact CSCL undergraduate advisor Michelle Livingston (cscladv@umn.edu), 1-3 cr

4944H Honors Thesis

(A-F; prereq Candidate for honors in CSCL, consent of CSCL honors adviser; meets HON req of Honors)
15726 001 IND, instruction mode: Classroom, 3 cr

4993 Directed Study

(max crs 6; A-F only)
22928 001 IND, instruction mode: Classroom; To enroll in a directed study, please contact CSCL undergraduate advisor Michelle Livingston (cscladv@umn.edu), 1-3 cr

5331 Discourse of the Novel

(Credit will not be granted if credit has been received for: CL 5331)
25627 001 LEC, 11:15am-12:30pm MW, NichH 335,
instruction mode: Classroom; Pepper, Thomas Adam, 3 cr

5666 Film Music: Theory, History, Practice (A-F)

25632 001 DIS, 02:15pm-04:30pm Th, NichH 325,
03:30pm-05:30pm W, NichH 325, instruction mode: Classroom; Leppert, Richard, 4 cr

5910 Topics in Cultural Studies and Comparative Literature

(max crs 32; 8 repeats allowed)
22382 001 LEC, 11:15am-12:30pm TTh, CivE 214, instruction mode: Classroom; , 3-4 cr

5993 Directed Study

(max crs 9; 9 repeats allowed)
12069 001 IND, instruction mode: Classroom; To enroll in a directed study, please contact CSCL undergraduate advisor Michelle Livingston (cscladv@umn.edu); , 1-3 cr

145 Peik Hall, 159 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/625-4006, <http://cehd.umn.edu/ci/>

1001 Introduction to the Elementary School (A-F only)

11519 001 LEC, 09:45am-11:00am TTh, PeikH 215,
instruction mode: Classroom; 3 seats reserved for FRFY - Freshman Full Yr Regist; , 3 cr
13279 002 LEC, 11:15am-12:30pm TTh, PeikH 215,
instruction mode: Classroom; 3 seats reserved for FRFY - Freshman Full Yr Regist; , 3 cr
17499 003 LEC, 01:00pm-02:15pm TTh, PeikH 215,
instruction mode: Classroom; 3 seats reserved for FRFY - Freshman Full Yr Regist; , 3 cr

1908W Freshman Seminar: Citizenship and Public Ethics, Writing Intensive (C/PE, WI)

(max crs 6; prereq Fr; meets CLE req of Writing Intensive)
33957 001 LEC, 09:45am-11:00am TTh, PeikH 25, instruction mode: Classroom; Midkiff, Emily A; Oziewicz, Marek Cezary, 1-3 cr
33958 002 LEC, 11:15am-12:30pm TTh, PeikH 25, instruction mode: Classroom; Fantasy Literature; Oziewicz, Marek Cezary, 1-3 cr

1942 Freshman Seminar: Technology and Society

(A-F; meets CLE req of Technology and Society)
23740 001 LEC, instruction mode: Correspondence; Topic: Social Media and the Changing Nature of Interaction.; Pazurek, Angelica, 3 cr

2311W Introduction to Technology and Ethics in Society

(Credit will not be granted if credit has been received for: CI 4311W; credit will not be granted if credit already received for: WHRE 3011W or CI 3311W; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)
20839 001 LEC, instruction mode: Correspondence; , 3 cr
20840 002 LEC, instruction mode: Correspondence; , 3 cr
20970 003 LEC, instruction mode: Correspondence; , 3 cr
21747 004 LEC, instruction mode: Correspondence; , 3 cr

2312 Sex, Drugs, and the Internet: Educational Perspectives

(Credit will not be granted if credit has been received for: CI 4312; A-F)
20845 001 DIS, instruction mode: Correspondence; , 3 cr
20846 002 DIS, instruction mode: Correspondence; , 3 cr
21845 003 DIS, instruction mode: Correspondence; , 3 cr
22218 004 DIS, instruction mode: Correspondence; , 3 cr

3001 Survey of Art Activities

(A-F only)
20516 001 LAB, 09:05am-11:00am T, PeikH 40, instruction mode: Classroom; Babulski, Timothy, 2 cr
20517 002 LAB, 09:05am-11:00am F, PeikH 40, instruction mode: Classroom; Maloney Leaf, Betsy, 2 cr

3211 Introduction to Elementary Teaching (A-F; prereq [Elementary ed or early childhood ed foundations major], concurrent practicum experience)

20518 001 DIS, 01:00pm-02:15pm TTh, PeikH 48, instruction mode: Classroom; Berken, Shelley, 3 cr
20519 002 DIS, 01:00pm-02:15pm TTh, PeikH 46, instruction mode: Classroom; Israelson, Madeleine Sarah Heins; Byrn, Katherine Margaret, 3 cr

3212 Practicum: Elementary Teaching (S-N; prereq Concurrent registration is required (or allowed) in 5111, [elementary education foundations or early childhood foundations] major)

19805 001 FWK, 08:00am-12:00pm TTh, . NORMREQD, instruction mode: Classroom; Concurrent registration with CI 3211 required., 2 cr

3283 Practicum: Special Education K-6

(S-N; prereq Concurrent registration is required (or allowed) in EDPSY 5613, Concurrent registration is required (or allowed) in EDPSY 5616, elementary education: foundations major)
20530 001 FWK, 08:00am-12:00pm TTh, . NORMREQD, instruction mode: Classroom; Elementary Ed Foundations students only.; Byrn, Katherine Margaret, 2 cr

3401W Diversity in Children's Literature

(A-F only; meets CLE req of Writing Intensive)

18955 001 LEC, 12:20pm-03:00pm M, PeikH 40, instruction mode: Classroom; McDonald Van Deventer, Megan Elizabeth, 3 cr

18956 002 LEC, 03:35pm-06:00pm M, PeikH 385, instruction mode: Classroom; , 3 cr
18957 003 LEC, 12:20pm-03:00pm W, PeikH 48, instruction mode: Classroom; Midkiff, Emily A, 3 cr

3610 Linguistics for Teachers (A-F; meets CLE req of Social Sciences)

21719 001 LEC, 02:30pm-03:45pm TTh, PeikH 375,
instruction mode: Classroom; , 3 cr
21720 002 LEC, 10:15am-11:30am TTh, PeikH 48, instruction mode: Classroom; , 3 cr
25264 003 LEC, 08:45am-10:00am MW, PeikH 48, instruction mode: Classroom; , 3 cr

3611W Basics in Teaching English as a Second Language

(OPN; prereq Have studied another language.; meets CLE req of Writing Intensive)
24271 001 LEC, 02:30pm-04:25pm MW, PeikH 46, instruction mode: Classroom; CI 3611W is a four-credit writing intensive course that combines a service learning internship of 30 hours with classroom lectures, discussions, group work, writing assignments and experiential activities to introduce students to theoretical and conceptual foundations of language pedagogy and prepares students for teaching ESL (English as a second language) to students (primarily adults) in varied classroom contexts. The course is writing intensive and also requires students to actively participate in discussions around both teaching and writing, reflect on their internship experiences, and produce written reports and oral presentations that demonstrate their developing understanding of core issues in the field of Teaching English to Speakers of Other Languages (TESL).; , 4 cr
24273 002 LEC, 04:40pm-08:30pm M, PeikH 365, instruction mode: Classroom; CI 3611W is a four-credit writing intensive course that combines a service learning internship of 30 hours with classroom lectures, discussions, group work, writing assignments and experiential activities to introduce students to theoretical and conceptual foundations of language pedagogy and prepares students for teaching ESL (English as a second language) to students (primarily adults) in varied classroom contexts. The course is writing intensive and also requires students to actively participate in discussions around both teaching and writing, reflect on their internship experiences, and produce written reports and oral presentations that demonstrate their developing understanding of core issues in the field of Teaching English to Speakers of Other Languages (TESL).; , 4 cr
26468 003 LEC, 02:30pm-04:25pm TTh, PeikH 25, instruction mode: Classroom; CI 3611W is a four-credit writing intensive course that combines a service learning internship of 30 hours with classroom lectures, discussions, group work, writing assignments and experiential activities to introduce students to theoretical and conceptual foundations of language pedagogy and prepares students for teaching ESL (English as a second language) to students (primarily adults) in varied classroom contexts. The course is writing intensive and also requires students to actively participate in discussions around both teaching and writing, reflect on their internship experiences, and produce written reports and oral presentations that demonstrate their developing understanding of core issues in the field of Teaching English to Speakers of Other Languages (TESL).; , 4 cr

3612 Introduction to Pronunciation and Grammar for ESL Teachers

(OPN; prereq An Introduction to Linguistics course, e.g., CI 3610 or LING 3001)
24274 001 LEC, 10:10am-12:05pm MW, PeikH 48, instruction mode: Classroom; , 4 cr
25263 002 LEC, 04:40pm-07:20pm T, PeikH 385, instruction mode: Classroom; , 4 cr

3613 Practical Language Learning for International Communication (OPN)

24275 001 LEC, 02:30pm-03:45pm TTh, PeikH 46, instruction mode: Classroom; , 3 cr
24276 002 LEC, 04:40pm-07:20pm Th, PeikH 385,
instruction mode: Classroom; , 3 cr

4122 Social Class Education and Pedagogy (max crs 3; A-F)

26485 001 DIS, 01:00pm-03:00pm W, . NONSTD-TBA,
instruction mode: Classroom; Coffee, Angela Christine, 2-3 cr

4311W Technology and Ethics in Society

CURRICULUM AND INSTRUCTION (CI)

(Credit will not be granted if credit has been received for: CI 2311W; credit will not be granted if credit already received for: CI 5311, WHRE 5011W; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

20842 001 LEC, instruction mode: Correspondence; , 3 cr
20843 002 LEC, instruction mode: Correspondence; , 3 cr

4312 Sex, Drugs, and the Internet:

Educational Perspectives

(Credit will not be granted if credit has been received for: CI 2312; A-F)

20844 001 DIS, instruction mode: Correspondence; , 3 cr
20847 002 DIS, instruction mode: Correspondence; , 3 cr

5065 Improving Art Programs in the Schools

(A-F only; prereq Initial lic students majoring in art ed)

22249 001 LEC, 04:40pm-07:20pm Th, PeikH 40, instruction mode: Classroom; Bequette, James W, 3 cr

5069 Curriculum Innovations in Art Education

(A-F only)

22250 001 LEC, 04:40pm-07:20pm M, PeikH 40, instruction mode: Classroom; Maloney Leaf, Betsy, 3 cr

5075 The Social and Historical Foundations of Art Education

(max crs 3; A-F only; prereq Grad student)

25298 001 LEC, 04:40pm-07:20pm T, PeikH 40, instruction mode: Classroom; Gamble, Shelagh Jean, 1-3 cr

5096 Art Education: Practicum

(max crs 6; 6 repeats allowed; A-F only)

22251 001 LEC, 07:30pm-08:30pm MTh, PeikH 40, instruction mode: Classroom; Additional meeting times by arrangement; Maloney Leaf, Betsy; Bequette, James W, 4 cr

5111 Introduction to Elementary School Teaching

(A-F only; prereq Foundations of ed major or elem ed initial lic)

33848 001 LEC, instruction mode: Classroom, 3 cr

5137 Multicultural Gender-Fair Curriculum

(A-F only)

33850 001 LEC, instruction mode: Classroom, 3 cr

5150 Curriculum Topics

(max crs 12; 12 repeats allowed)

34141 001 LEC, instruction mode: Correspondence; Topic:TEACHING CREATIVE WRITING; Swiss, Thom, 1-6 cr

5156 Popular Culture, Teaching, and Learning

(A-F; prereq Grad student or sr in a program that values teaching as a component of the discipline)

34209 001 DIS, instruction mode: Correspondence; Swiss, Thom, 3 cr

5163 Child and Adolescent Development for Teaching and Learning I

(A-F; prereq Enrolled in teacher initial licensure program)

23804 001 DIS, 08:05am-11:00am W, PeikH 31, 09/08/15-10/07/15, instruction mode: Partially Online; For Ag ED and Music ED cohorts. - must be enrolled in an initial licensure program. This is a two sequence course. ILP candidates also enroll in CI 5164 Field Experience is an essential component of this course.; , 1 cr

5164 Child and Adolescent Development for Teaching and Learning II

(A-F; prereq Enrolled in teacher initial licensure program; credit will not be granted if credit already received for: EdHD 5001, EdHD 5009)

22518 001 DIS, 12:20pm-03:10pm T, . NORMREQD, 09/08/15-09/08/15, 12:20pm-03:10pm M, . NORMREQD, 09/14/15-09/14/15, 12:20pm-03:10pm M, . NORMREQD, 09/21/15-09/21/15, 12:20pm-03:10pm M, . NORMREQD, 09/28/15-09/28/15, 12:20pm-03:10pm M, . NORMREQD, 10/05/15-10/05/15, 12:20pm-03:10pm M, . NORMREQD, 10/12/15-10/12/15, instruction mode: Partially Online; For Art and English Candidates.NOTE:in addition to 3 face to face meetings there are three online sessions. Pre-req- CI 5163; Chhuon, Vichet, 2 cr

22519 002 DIS, 04:40pm-07:20pm T, . NORMREQD, 09/08/15-09/08/15, 04:40pm-07:20pm M, . NORMREQD, 09/14/15-09/14/15, 04:40pm-07:20pm M, . NORMREQD, 09/21/

15-09/21/15, 04:40pm-07:20pm M, . NORMREQD, 09/28/15-09/28/15, 04:40pm-07:20pm M, . NORMREQD, 10/05/15-10/05/15, 04:40pm-07:20pm M, . NORMREQD, 10/12/15-10/12/15, instruction mode: Partially Online; For Social Studies Candidates only . NOTE:in addition to 3 face to face meetings there are three online sessions. Pre-req- CI 5163; Chhuon, Vichet, 2 cr

22520 003 DIS, 04:40pm-07:20pm T, . NORMREQD, 09/08/15-09/08/15, 04:40pm-07:20pm T, . NORMREQD, 09/15/15-09/15/15, 04:40pm-07:20pm T, . NORMREQD, 09/22/15-09/22/15, 04:40pm-07:20pm T, . NORMREQD, 09/29/15-09/29/15, 04:40pm-05:30pm T, . NORMREQD, 10/06/15-10/06/15, 04:40pm-07:20pm T, . NORMREQD, 10/13/15-10/13/15, instruction mode: Partially Online; For Second Language and Cultures candidates and PE/Health candidates. NOTE:in addition to 3 face to face meetings there are three online sessions. Pre-req- CI 5163; Chhuon, Vichet, 2 cr

25532 004 DIS, 08:05am-11:00am W, PeikH 31, 10/21/15-11/15/15, instruction mode: Classroom; For Ag Ed or Music Ed cohorts - must be also enrolled in an initial licensure program. This is a two sequence course . ILP candidates also enroll in CI 5164. Field Experience is an essential component of this course.; LoBello, Jana, 2 cr

5177 Practical Research

(A-F only; prereq CI MEd student, or CI or EdPA Teacher Leadership MEd student)

23854 001 LEC, 04:40pm-07:20pm M, PeikH 48, instruction mode: Classroom; Mitchler, Jenna G, 3 cr

5181 Clinical Experience in Elementary School Teaching

(max crs 30; 3 repeats allowed; S-N only; prereq Foundations of education and elem ed initial licensure only)

15215 001 FWK, instruction mode: Independent/Directed Studies; Early childhood licensure students.; Carlson, Ann Ruhl, 10 cr

5186 School-Related Projects

(max crs 4; A-F only; prereq MEd student)

16812 001 IND, instruction mode: Classroom; Art students only. Meeting dates and times TBD by instructor and student.; Bequette, James W, 1-4 cr

18248 002 IND, instruction mode: Classroom; Elem Ed students only. Instructor permission required. Meeting dates and times TBD by student and instructor.; Berken, Shelley; Vagle, Mark D; Byrn, Katherine Margaret, 1-4 cr

16828 003 IND, instruction mode: Classroom; LT students only. Instructor permission required. Meeting dates and times TBD by student and instructor.; Scharber, Cassandra; Doering, Aaron H; McGill, Chuck; Chen, Bodong; Hutchinson, Jim; Boeckers, Daryl Robert; Pazurek, Angelica, 1-4 cr

16851 004 IND, instruction mode: Classroom; Literacy students only. Instructor Consent Required. Meeting dates and times TBD by student and instructor.; Helman, Lori A; O'Brien, David; Lewis, Cynthia; Lensmire, Timothy J., 1-4 cr

17135 005 IND, instruction mode: Classroom; Science Ed. students only; instructors consent required.Meeting dates and times TBD by instructor and student.; Roehrig, Gillian Heather; Finley, Fred N; Brown, Julie C.; Billington, Barbara Lynne; Upadhyay, Bhaskar, 1-4 cr

23752 006 IND, instruction mode: Classroom; SLC students only. Instructor permission required. Meeting dates and times TBD by student and instructor.; Bigelow, Martha; Hermes, Mary Rose; Ranney, Susan Elaine; Tedick PhD, Diane J; King PhD, Kendall Amy, 1-4 cr

23753 007 IND, instruction mode: Classroom; Social Studies students only. Independent study designed as capstone course for professional studies M.Ed. social studies students.; Mayo Jr, J.B.; Avery, Patricia Grant, 1-4 cr

23754 008 IND, instruction mode: Classroom; Math Education students only . Instructor consent required. Meeting dates and times TBD by instructor and student.; Clarkson, Lesa M; Wyberg, Terrence R; Post, Thomas R; Cramer, Kathleen Ann, 1-4 cr

5187 Practicum: Improvement of Teaching in Elementary or PreKindergarten Schools

(max crs 3; S-N only; prereq Students in Early childhood educ M Ed or elem educ M Ed or teaching M Ed)

22233 001 FWK, instruction mode: Primarily Online; Online class with one Face to Face meeting. For elementary initial licensure students completing their M.Ed. only.; Rosebrook, Cheryl K, 2-3 cr

25299 002 FWK, instruction mode: Classroom; Online class with one Face to Face meeting. For elementary initial licensure students completing their M.Ed. only.; Rosebrook, Cheryl K, 2-3 cr

5190 Directed Individual Study in Curriculum and Instruction

(max crs 12; 12 repeats allowed; prereq Grad student, instr consent)

22874 001 IND, instruction mode: Classroom; Art students only. Meeting dates and times TBD by instructor and student.; Bequette, James W, 1-6 cr

23261 002 IND, instruction mode: Classroom; Elem Ed students only. Instructor permission required. Meeting dates and times TBD by student and instructor.; Vagle, Mark D; Berken, Shelley; Byrn, Katherine Margaret, 1-6 cr

23330 003 IND, instruction mode: Classroom; LT students only. Instructor permission required. Meeting dates and times TBD by student and instructor.; Doering, Aaron H; Scharber, Cassandra; McGill, Chuck; Boeckers, Daryl Robert; Chen, Bodong; McGill, Chuck; Hutchinson, Jim; Pazurek, Angelica, 1-6 cr

23337 004 IND, instruction mode: Classroom; Literacy students only. Instructor Consent Required. Meeting dates and times TBD by student and instructor.; Dillon, Deborah R.; Helman, Lori A; O'Brien, David; Lewis, Cynthia; Lensmire, Timothy J., 1-6 cr

23755 005 IND, instruction mode: Classroom; Science Ed. students only; instructors consent required.Meeting dates and times TBD by instructor and student.; Billington, Barbara Lynne; Upadhyay, Bhaskar; Brown, Julie C.; Roehrig, Gillian Heather, 1-6 cr

23756 006 IND, instruction mode: Classroom; SLC students only. Instructor permission required. Meeting dates and times TBD by student and instructor.; Bigelow, Martha; Hermes, Mary Rose; Ranney, Susan Elaine; Tedick PhD, Diane J; King PhD, Kendall Amy, 1-6 cr

23757 007 IND, instruction mode: Classroom; Social Studies students only. Instructor permission required. Meeting dates and times TBD by student and instructor.; Mayo Jr, J.B.; Avery, Patricia Grant, 1-6 cr

23758 008 IND, instruction mode: Classroom; Math Education students only . Instructor consent required. Meeting dates and times TBD by instructor and student.; Clarkson, Lesa M; Wyberg, Terrence R; Post, Thomas R; Cramer, Kathleen Ann, 1-6 cr

5212 Elementary Education Content and Pedagogy II

(A-F)

26392 001 DIS, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students.; , 3 cr

5214 Elementary Education Content and Pedagogy IV

(A-F)

33872 001 DIS, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students.; , 3 cr

5283 Practicum: Applying Instructional Methods in the Elementary Classroom

(max crs 6; S-N; prereq M.Ed./Elementary education initial licensure student, enrolled in elementary education methods course)

23759 001 FWK, 07:30am-04:00pm MTWThF, . NORMREQD, 08/24/15-09/11/15, 07:30am-04:00pm W, . NORMREQD, 09/16/15-09/30/15, 07:30am-04:00pm MTWThF, . NORMREQD, 10/05/15-10/16/15, 07:30am-04:00pm MTWThF, . NORMREQD, 11/02/15-11/13/15, 07:30am-04:00pm MTWThF, . NORMREQD, 11/30/15-12/11/15, instruction mode: Classroom; , 3 cr

23760 002 FWK, 07:30am-04:00pm MTWThF, . NORMREQD, 08/24/15-09/11/15, 07:30am-04:00pm W, . NORMREQD, 09/16/15-09/30/15, 07:30am-04:00pm MTWThF, . NORMREQD, 10/05/15-10/16/15, 07:30am-04:00pm MTWThF, . NORMREQD, 11/02/15-11/13/15, 07:30am-04:00pm MTWThF, . NORMREQD, 11/30/15-12/11/15, instruction mode: Classroom; , 3 cr

23761 003 FWK, 07:30am-04:00pm MTWThF, . NORMREQD, 08/24/15-09/11/15, 07:30am-04:00pm W, . NORMREQD, 09/16/15-09/30/15, 07:30am-04:00pm MTWThF, . NORMREQD, 10/05/15-10/16/15, 07:30am-04:00pm MTWThF, . NORMREQD, 11/02/15-11/13/15, 07:30am-04:00pm MTWThF, . NORMREQD, 11/30/15-12/11/15, instruction mode: Classroom; , 3 cr

23762 004 FWK, 07:30am-04:00pm MTWThF, . NORMREQD, 08/24/15-09/11/15, 07:30am-04:00pm W, . NORMREQD, 09/16/15-09/30/15, 07:30am-04:00pm MTWThF, . NORMREQD, 10/05/15-10/16/15, 07:30am-04:00pm MTWThF, . NORMREQD, 11/02/15-11/13/15, 07:30am-04:00pm MTWThF, . NORMREQD, 11/30/15-12/11/15, instruction mode: Classroom; Elementary ILP Spring 2012 admits; Honors Students Only; , 3 cr

5285 Clinical Experience in Elementary School Teaching

(max crs 24; S-N; prereq M.Ed./Elementary education initial licensure students)

22234 001 FWK, 07:30am-04:40pm MTWThF, .
NORMREQD, instruction mode: Classroom; Elementary ILP students in year-round schools; Byrn, Katherine Margaret, 12 cr

5286 Student Teaching Seminar: Elementary Education

(max crs 6; A-F; prereq M.Ed./Elementary education initial licensure only)
22235 001 LEC, 04:40pm-07:20pm W, PeikH 40, instruction mode: Classroom; Robbins, Lois M, 3 cr

5287 Capstone Project: Improvement of Teaching in Elementary and Pre-Kindergarten Schools

(A-F; prereq M.Ed./elementary education initial licensure student)
25300 001 FWK, instruction mode: Classroom; For Elementary Education and ECE students completing their M.Ed. ILP licensure; Mitchell, Kathleen, 3 cr

5301 Foundations of Computer Applications for Business and Education (A-F; credit will not be granted if credit already received for: BIE 5011)

20848 001 DIS, instruction mode: Correspondence; McGill, Chuck, 3 cr
20849 002 DIS, instruction mode: Correspondence; , 3 cr
21695 003 DIS, instruction mode: Correspondence; , 3 cr
24169 004 DIS, instruction mode: Correspondence; , 3 cr

5307 Technology for Teaching and Learning

(A-F only; prereq [MEd/initial licensure or CLA music ed major or preteaching major or instr consent], basic computer skills)

10839 001 LAB, instruction mode: Correspondence; Agricultural Education students only., 1.50 cr
17601 002 LAB, 04:20pm-07:20pm T, LES R260, STPAUL, 09/08/15-09/08/15, 04:20pm-07:20pm T, LES R260, STPAUL, 09/22/15-09/22/15, 04:20pm-07:20pm T, LES R260, STPAUL, 10/06/15-10/06/15, 04:20pm-07:20pm T, LES R260, STPAUL, 10/20/15-10/20/15, 04:20pm-07:20pm T, LES R260, STPAUL, 11/03/15-11/03/15, 04:20pm-07:20pm T, LES R260, STPAUL, 11/17/15-11/17/15, 04:20pm-07:20pm T, LES R260, STPAUL, 12/01/15-12/01/15, instruction mode: Classroom; Elementary Education, Special Education and Early Childhood Ed Students only; meets alternate weeks; meeting dates: 9/8, 9/22, 10/6, 10/20, 11/3, 11/17, 12/1, 1.50 cr
10840 003 LAB, 04:40pm-07:40pm Th, LES R260, STPAUL, 10/29/15-10/29/15, 04:40pm-07:40pm Th, LES R260, STPAUL, 11/05/15-11/05/15, 04:40pm-07:40pm Th, LES R260, STPAUL, 11/12/15-11/12/15, 04:40pm-07:40pm Th, LES R260, STPAUL, 11/19/15-11/19/15, 04:40pm-07:40pm Th, LES R260, STPAUL, 12/03/15-12/03/15, 04:40pm-07:40pm Th, LES R260, STPAUL, 12/10/15-12/10/15, 04:40pm-07:40pm Th, LES R260, STPAUL, 12/17/15-12/17/15, instruction mode: Classroom; Social Studies Education students only; meeting dates: 10/29, 11/5, 11/12, 11/19, 12/3, 12/10, 12/17, 1.50 cr
25249 004 LAB, 01:25pm-04:25pm F, LES R260, STPAUL, 09/11/15-09/11/15, 01:25pm-04:25pm F, LES R260, STPAUL, 09/25/15-09/25/15, 01:25pm-04:25pm F, LES R260, STPAUL, 10/09/15-10/09/15, 01:25pm-04:25pm F, LES R260, STPAUL, 10/23/15-10/23/15, 01:25pm-04:25pm F, LES R260, STPAUL, 11/06/15-11/06/15, 01:25pm-04:25pm F, LES R260, STPAUL, 11/20/15-11/20/15, 01:25pm-04:25pm F, LES R260, STPAUL, 12/04/15-12/04/15, instruction mode: Classroom; Science Ed Students Only; Meeting dates: 9/11, 9/25, 10/09, 10/23, 11/06, 11/20, 12/04, 1.50 cr
26469 005 LAB, 04:30pm-07:30pm T, LES R260, STPAUL, 09/15/15-09/15/15, 04:30pm-07:30pm T, LES R260, STPAUL, 09/29/15-09/29/15, 04:30pm-07:30pm T, LES R260, STPAUL, 10/13/15-10/13/15, 04:30pm-07:30pm T, LES R260, STPAUL, 10/27/15-10/27/15, 04:30pm-07:30pm T, LES R260, STPAUL, 11/10/15-11/10/15, 04:30pm-07:30pm T, LES R260, STPAUL, 11/24/15-11/24/15, 04:30pm-07:30pm T, LES R260, STPAUL, 12/08/15-12/08/15, instruction mode: Partially Online; Elementary Ed and Spec Ed students only.; Boeckers, Daryl Robert, 1.50 cr
32825 006 LAB, 04:20pm-07:20pm W, LES R250, STPAUL, 09/09/15-09/09/15, 04:20pm-07:20pm W, LES R250, STPAUL, 09/23/15-09/23/15, 04:20pm-07:20pm W, LES R250, STPAUL, 10/07/15-10/07/15, 04:20pm-07:20pm W, LES R250, STPAUL, 10/21/15-10/21/15, 04:20pm-07:20pm W, . NORMREQD, STPAUL, 11/04/15-11/04/15, 04:20pm-07:20pm W, LES R250, STPAUL, 11/18/15-11/18/15, 04:20pm-07:20pm W, LES R250, STPAUL, 12/02/15-12/02/15, instruction mode: Classroom, 1.50 cr

5325 Designing and Developing Online Distance Learning

(A-F only; prereq 5351 or 5362 recommended)
22252 001 LEC, instruction mode: Correspondence; , 3 cr

5331 Introduction to Learning Technologies

(A-F only)
14388 001 LEC, 04:40pm-07:20pm M, LES R260, STPAUL, instruction mode: Classroom; Doering, Aaron H, 3 cr

5336 Planning for Multimedia Design and Development

(A-F only)
22794 001 LEC, instruction mode: Correspondence; , 3 cr

5351 Technology Tools for Educators

(A-F only)
19716 001 LEC, instruction mode: Correspondence; , 3 cr

5361 Teaching and Learning with the Internet

(A-F only; credit will not be granted if credit already received for: BIE 5662)
20091 001 LEC, instruction mode: Correspondence; McGill, Chuck, 3 cr

5365 Contemporary Software Development Issues and Tools

(A-F only; prereq Familiar with standard computer/Internet operations)
23764 001 LEC, 04:30pm-07:30pm W, LES R260, STPAUL, instruction mode: Classroom; , 3 cr

5410 Special Topics in the Teaching of Literacy

(max crs 12; 12 repeats allowed)
18951 001 LEC, 04:40pm-07:20pm M, PeikH 46, instruction mode: Classroom; Topic: Politics of Literacy and Race in K-12 Classrooms; Lensmire, Timothy J., 1-3 cr

5413 Foundations of Reading

(A-F only; prereq CI 3610 and concurrent registration with CI 5414)
20557 001 LEC, 08:00am-12:30pm MW, PeikH 46, instruction mode: Classroom; Early Childhood Education Foundation and Early Childhood Education ILP / M.Ed. and Elementary Foundations students only; CONCURRENT REGISTRATION WITH CI 5414 REQUIRED. Portions of both class and practica sessions are held off campus at local school sites. The first two weeks of CI 5413 & the CI 5414 practica are held on campus, beginning at 8:00 A.M.; CI 4413 as an equivalent of CI 5414; , 3 cr
20558 002 LEC, 08:00am-12:30pm TTh, PeikH 46, instruction mode: Classroom; Early Childhood Education Foundation and Early Childhood Education ILP / M.Ed. and Elementary Foundations students only; CONCURRENT REGISTRATION WITH CI 5414 REQUIRED. Portions of both class and practica sessions are held off campus at local school sites. The first two weeks of CI 5413 & the CI 5414 practica are held on campus, beginning at 8:00 A.M

5414 Practicum: Working With Developing Readers

(S-N; prereq CI 3610 and concurrent registration with CI 5413 required; elementary education foundations major)
20556 001 FWK, instruction mode: Classroom; CI 4413 is the equivalent of CI 5414.; Early Childhood Education Foundation and Early Childhood Education ILP / M.Ed. and Elementary Foundations students only; Must be currently registered for, or have completed the required linguistics class and children's lit. CONCURRENT REGISTRATION WITH CI 5413 REQUIRED. Portions of both class and practica sessions are held off campus at local school sites. The first two weeks of CI 5413 & the CI 5414 are held on campus, beginning at 8:00 A.M.; , 2 cr

5417 Elementary literacy Instruction for ESL Students

(A-F only; prereq Bachelor's degree completed)
33851 001 DIS, instruction mode: Correspondence; Delbridge, Annie, 3 cr

5425 Reading Instruction in the Elementary Grades

(A-F; prereq [Elementary or early childhood] licensure student)
19914 001 DIS, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor.; , 3 cr

19915 002 DIS, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor.; , 3 cr
21381 003 DIS, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor.; , 3 cr

5426 Language Arts Instruction in the Elementary Grades

(A-F; prereq Elementary or early childhood licensure student)
19916 001 DIS, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor.; , 3 cr
19917 002 DIS, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor.; , 3 cr
21382 003 DIS, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor.; , 3 cr

5432 Instructional Leadership in Reading in Kindergarten and the Elementary Grades

(A-F only; prereq 5431)
33853 001 LEC, instruction mode: Correspondence; Bergeson, Kristi Tamte, 3 cr

5435 Instructional Leadership in Preventing Reading Difficulties

(A-F only; prereq 5434)
25267 001 LEC, 04:40pm-07:20pm W, PeikH 365, instruction mode: Classroom; Helman, Lori A, 3 cr

5441 Teaching Literature in the Secondary School

(max crs 3; A-F only)
17953 001 LEC, 09:05am-11:45am M, . NORMREQD, 08/07/15-06/15/16, instruction mode: Classroom; Restricted to students in English Education Initial Licensure Program; , 2-3 cr

5451 Teaching Reading in Middle and Secondary Grades

(A-F only)
24077 001 LEC, 01:25pm-04:05pm Th, PeikH 40, 08/27/15-09/17/15 Th, . ROOM-TBA, 09/24/15-09/24/15, 01:25pm-04:05pm Th, PeikH 40, 10/01/15-10/22/15, 01:25pm-04:05pm Th, . ROOM-TBA, 10/29/15-10/29/15, 01:25pm-04:05pm Th, PeikH 40, 11/05/15-12/16/15, instruction mode: Classroom; Please note this class will meet in Peik Hall Room 31 on 9/24 and 10/29.; , 3 cr

5452 Reading in the Content Areas for Initial Licensure Candidates

(max crs 2; A-F; prereq Concurrent enrollment in licensure area methods course(s), enrolled in Initial Licensure Program, Internet access, basic understanding of [computer use, Web browsers, email, word processing software])
17776 001 LEC, instruction mode: Correspondence; For students in Science program Only. EDHD 5008 is a web-based course that meets the Minnesota teacher licensure statute in reading for initial licensure in the listed licensure areas by focusing on reading processes and strategies that support student learning in the content areas.; Rummel, Andrew Michael, 1-2 cr
17777 002 LEC, instruction mode: Correspondence; For initial licensure students in Mathematics Education only. EDHD 5008 is a web-based course that meets the new Minnesota Board of Teaching requirements in reading for teaching licensure candidates in the listed licensure areas by focusing on reading assessment and instructional processes and strategies that support student learning in the content areas.; Rummel, Andrew Michael, 1-2 cr
21749 003 LEC, instruction mode: Correspondence; For students in Ag. Education Program Only. EDHD 5008 is a web-based course that meets the Minnesota teacher licensure statute in reading for initial licensure in the listed licensure areas by focusing on reading processes and strategies that support student learning in the content areas.; Hoeschen, Emily Jo, 1-2 cr
21898 004 LEC, instruction mode: Correspondence; For additional licensure students and for those who have finished all other course work and have not taken this course or CI 5452 to meet licensure requirement.; , 1-2 cr

5474 New Literacies Frameworks and Instruction: Digital Texts and Digital Reading

(A-F)
25379 001 LEC, 04:40pm-07:20pm Th, PeikH 365, instruction mode: Classroom; O'Brien, David, 3 cr

5502 Science Instruction in the Elementary Grades

- (A-F only; prereq Early Childhood or Elementary Education ILP)
- 21763 001 LEC, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor.; Upadhyay, Bhaskar, 3 cr
- 21764 002 LEC, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor.; Upadhyay, Bhaskar, 3 cr
- 21765 003 LEC, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor., 3 cr

5512 Secondary Science Methods: Understanding the Nature of Science (A-F)

- 26393 001 FWK, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students.; ; 3 cr

5531 Teaching Middle School Science

- (A-F only; prereq Initial licensure student in science ed)
- 11441 001 LEC, 02:30pm-04:30pm TTh, LES 139B, STPAUL, instruction mode: Classroom; Billington, Barbara Lynne, 3 cr

5536 Equity, Policy, and Assessment in Science Education

- (A-F; prereq MEd or grad student or instr consent)
- 22240 I001 LEC, 04:40pm-07:20pm T, LES 139A, STPAUL, instruction mode: Classroom; Upadhyay, Bhaskar, 3 cr

5539 Improving Secondary Science Instruction: Surviving the First Two Years

- (A-F; prereq MEd science education student, in first three years of teaching)
- 19717 001 LEC, 08/07/15-08/15/16, instruction mode: Correspondence; Billington, Barbara Lynne, 3 cr

5541 Teaching History and Nature of Science

- (A-F only; prereq MEd ILP or professional studies student in science education or instr consent)
- 23796 I001 LEC, 04:40pm-07:20pm M, LES 139B, STPAUL, instruction mode: Classroom; ; 3 cr

5596 Clinical Experience in Middle School Science

- (A-F only; prereq initial licensure in science ed)
- 11442 001 LEC, instruction mode: Classroom; Students need to leave a consistent 3-hour block of time open each weekday to be in schools.; ; 4 cr

5612 ESL Methods for Multilingual Development (A-F)

- 26394 001 DIS, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students.; ; 3 cr

5614 Curriculum and Materials Development for English Learners (A-F)

- 33859 001 FWK, instruction mode: Classroom; This section is limited to Alternative Pathway - TFA students., 3 cr

5617 Academic Language and English Learners I

- (A-F; prereq Enrolled in teacher initial licensure program)
- 34199 001 FWK, instruction mode: Correspondence; Math students only. Students are required to attend two workshops in the summer. Friday, June 19th from 10am-1pm (LES139A) and Wednesday July 15th from 12-3pm? (LES 139A), 1 cr
- 34200 002 FWK, instruction mode: Correspondence; Science students only. Students are required to attend two workshops in the summer. Monday, June 15th 1-4pm (LES 139A) and Wednesday, July 8th 12-3pm (LES 139A), 1 cr
- 34201 003 FWK, instruction mode: Correspondence; English students only. Students are required to attend two workshops in the summer. Thursday, June 25th 12-3pm (Peik Hall 365)and Tuesday, July 21st 1:25-4:25pm (Peik Hall 365), 1 cr
- 34202 004 FWK, instruction mode: Correspondence; Social Studies students only. Students are required to attend

- two workshops in the summer. Thursday June 25th from 5-8pm (Peik Hall 365) and Wednesday July 22nd from 9am - 12pm (Peik Hall 365), 1 cr
- 34203 005 FWK, instruction mode: Correspondence; Art students only. Students are required to attend two workshops in the summer. Wednesday, June 24th from 1:25-4:25pm (Peik hall 365) and Wednesday July 15th from 1:25 -4:25pm (Peik Hall 365), 1 cr

5619 Teaching World Languages and Cultures in Elementary Settings

- 22241 I001 LEC, 04:40pm-07:20pm M, PeikH 375, instruction mode: Classroom, 3 cr

5628 Analyzing Learner Language in Second Language Acquisition (OPN; prereq 5646, 5649 [or other course on the grammar of a language])

- 25362 001 LEC, 01:25pm-04:25pm Th, PeikH 31, instruction mode: Classroom; Tarone, Elaine E, 3 cr

5631 Second Language Curriculum Development and Assessment (A-F only; prereq SLC initial licensure only)

- 11193 001 LEC, 01:25pm-04:25pm T, PeikH 355, instruction mode: Classroom; SLC Initial Licensure Students Only.; Ranney, Susan Elaine, 3 cr

5632 Literacy and Language Development in Second Language Classrooms (A-F only; prereq SLC initial licensure only)

- 11204 001 LEC, 01:25pm-04:25pm Th, PeikH 355, instruction mode: Classroom; SLC Initial Licensure Students Only.; Stone, Karla, 3 cr

5642 Assessing English Learners (A-F only)

- 33861 I001 LEC, 04:40pm-07:20pm W, PeikH 215, instruction mode: Classroom, 3 cr

5645 Teaching English Learners in the Elementary Classroom (A-F; prereq Early Childhood or Elementary Education ILP)

- 22242 001 LEC, instruction mode: Classroom; Elementary and ECE ILP students only.; ; 3 cr
- 22243 002 LEC, instruction mode: Classroom; Elementary and ECE ILP students only.; ; 3 cr
- 22244 003 LEC, 08:30am-03:20pm W, PeikH 365, instruction mode: Classroom; Elementary and ECE ILP students only., 3 cr

5646 English Grammar for ESL Teachers (prereq LING 5001 or instr consent)

- 14384 I001 LEC, 04:40pm-07:20pm M, PeikH 355, instruction mode: Classroom; Ranney, Susan Elaine, 3 cr

5651 Foundations of Second Languages and Cultures Education (A-F only)

- 14746 I001 LEC, 04:40pm-07:20pm M, PeikH 355, instruction mode: Classroom; Ranney, Susan Elaine, 3 cr

5653 Methods in Teaching English as a Second Language (ESL) in Higher Education (OPN; prereq An intro to linguistics course)

- 24357 001 LEC, 01:25pm-04:25pm W, . NONSTD-TBA, instruction mode: Classroom; Tarone, Elaine E, 3 cr

5656 Teaching Literacy in Second Language Classrooms (A-F only)

- 14575 I001 LEC, 04:40pm-07:20pm Th, WullH 240, instruction mode: Classroom; ; 3 cr

5660 Special Topics in the Teaching of Second Languages and Cultures (max crs 12; 12 repeats allowed)

- 26542 001 LEC, instruction mode: Correspondence; Topic: Introduction seminar for teachers of world languages I; This course is for world languages teachers who are in their first years of teaching.; Montgomery, Mary Lynn, 1 cr

5670 Foundations of Dual Language and Immersion Education (prereq Enrollment in certificate program in dual language/immersion educ or instr consent)

- 33949 001 LEC, instruction mode: Correspondence; Instructor permission required.; Tedick PhD, Diane J, 3 cr

- 33950 002 LEC, instruction mode: Correspondence; Instructor permission required. For members of Anchorage School District cohort only.; Tedick PhD, Diane J, 3 cr

5693 Directed Study in Second Languages and Cultures (max crs 4; prereq Instr consent)

- 11154 001 LEC, instruction mode: Classroom; Prereq: Instructor consent. Meeting times to be arranged between instructor and student.; Bigelow, Martha; Hermes, Mary Rose; Tedick PhD, Diane J; Ranney, Susan Elaine, 1-4 cr

5696 Practicum: Teaching World Languages and Cultures in Elementary Schools (max crs 6; prereq 5619, adviser approval; credits cannot be counted on a graduate degree program for endorsement candidates)

- 16137 001 LEC, instruction mode: Independent/Directed Studies; Students must apply in advance to take this class. Credits cannot be counted on a graduate degree program. Meeting dates and times TBD by instructor and student.; ; 2-6 cr

5697 Practicum: ESL in the Elementary School (max crs 6; prereq Adviser approval)

- 16149 001 LEC, instruction mode: Independent/Directed Studies; Students must apply in advance to take this class. Credits cannot be counted on a graduate degree program. Meeting dates and times TBD by instructor and student.; ; 2-6 cr

5698 Student Teaching in Second Languages and Cultures (max crs 14; 5 repeats allowed; prereq Adviser approval; credits cannot be counted on a graduate degree program)

- 11443 001 FWK, instruction mode: Classroom; Students must apply in advance to take this class. Credits cannot be counted on a graduate degree program. Meeting dates and times TBD by instructor and student.; ; 2-6 cr

5699 Clinical Experiences in Second Languages (max crs 16; A-F only; prereq SLC initial licensure program only)

- 11444 001 FWK, 01:25pm-04:25pm W, PeikH 40, instruction mode: Classroom; For SLC initial licensure students only. Single license register for 6 credits. Dual license register for 8 credits.; With breakout rooms 25, 27 and 31; ; 3-12 cr

5702 Social Studies Instruction in the Elementary Grades (A-F; prereq Early Childhood or Elementary Education ILP)

- 21766 001 LEC, instruction mode: Classroom; Elementary and ECE ILP students only, Meeting dates, times and rooms will be provided by instructor.; Israelson, Madeleine Sarah Heins, 3 cr
- 21767 002 LEC, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor.; Leit, Tracy Michiel, 3 cr
- 21768 003 LEC, instruction mode: Classroom; Elementary and ECE ILP students only. Meeting dates, times and rooms will be provided by instructor.; Israelson, Madeleine Sarah Heins, 3 cr

5742 Advanced Methods of Teaching the Social Studies (A-F; prereq Secondary social studies initial licensure student)

- 21741 001 LEC, 01:25pm-03:55pm T, . NONSTD-TBA, instruction mode: Classroom; Mayo Jr, J.B., 3 cr

5745 Engaging Youth With Social Studies Texts (A-F)

- 22626 001 DIS, 01:25pm-03:55pm Th, . NONSTD-TBA, instruction mode: Classroom; Prereq Secondary social studies initial licensure student.; Avery, Patricia Grant, 3 cr

5782 Clinical Experiences in Teaching Social Studies (max crs 16; S-N only; prereq MEd/initial licensure student)

- 13195 001 FWK, instruction mode: Classroom; Social Studies Initial Licensure M.Ed. Students Only., 5 cr

5812 Teaching Algebra

- (A-F)**
26395 001 FWK, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students., 3 cr
- 5814 Teaching and Learning Mathematics (A-F)**
33873 001 FWK, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students., 3 cr
- 5822 Mathematics Instruction in the Elementary Grades (A-F only; prereq Early Childhood or Elementary Education ILP)**
21769 001 LEC, instruction mode: Classroom; Elementary and ECE ILP only, Meeting dates, time and room will be provided by instructor.; Wyberg, Terrence R, 3 cr
21770 002 LEC, instruction mode: Classroom; Elementary and ECE ILP only, Meeting dates, time and room will be provided by instructor.; 3 cr
21771 003 LEC, instruction mode: Classroom; Elementary and ECE ILP only, Meeting dates, time and room will be provided by instructor.; 3 cr
- 5980 Clinical Experiences for K-12 Teaching (max crs 4; 4 repeats allowed; S-N)**
26396 001 FWK, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students., 1-4 cr
26397 002 FWK, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students., 1-4 cr
- 5982 Enacting Equity-Based Pedagogy (A-F)**
26400 001 FWK, 08/07/15-06/15/16, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students. EL Ed Section; Coffino, Kara, 2 cr
26401 002 FWK, 08/07/15-06/15/16, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students. Math, Science, ESL section; Coffino, Kara, 2 cr
- 5983 Equity-Based Pedagogy/Advocacy (A-F)**
33874 001 FWK, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students. EL Ed section, 1 cr
33875 002 FWK, instruction mode: Partially Online; This section is limited to Alternative Pathway - TFA students., 1 cr
- 5993 Directed Study in Family, Youth, and Community (max crs 9; 9 repeats allowed; A-F; prereq instr consent; credit will not be granted if credit received for: FE 5993)**
13883 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr
- 8095 Problems: Art Education (max crs 12; prereq Grad art educ major or instr consent)**
22055 001 IND, instruction mode: Classroom; Prereq Art Ed MA-Plan B; Bequette, James W, 1-12 cr
- 8131 Curriculum and Instruction Core: Critical Examination of Curriculum in Context (A-F only; prereq CI PhD or MA student or instr consent)**
16811 001 LEC, 01:25pm-04:05pm T, PeikH 40, instruction mode: Classroom; Lensmire, Timothy J., 3 cr
- 8132 Curriculum and Instruction Core: Teaching Theory and Research (A-F only; prereq CI PhD or MA student or instr consent)**
14576 !001 LEC, 04:40pm-07:20pm W, PeikH 355, instruction mode: Classroom; Prereq CI PhD or MA student or instructor consent; Mayo Jr, J.B., 3 cr
- 8133 Research Methods in Curriculum and Instruction (A-F only; prereq CI PhD or MA student or instr consent)**
14726 001 LEC, 09:00am-12:00pm W, RuttanH B36, STPAUL, instruction mode: Classroom; Brown, Julie C., 3 cr
- 23797 !002 LEC, 04:40pm-07:20pm Th, PeikH 31, instruction mode: Classroom; Asher, Nina, 3 cr
- 8147 Critical Discourse Analysis in Educational Research (A-F only; prereq [MA or PhD] student)**
26230 !001 LEC, 04:40pm-07:20pm Th, PeikH 355, instruction mode: Classroom; Dockter Tierney, Jessica, 3 cr
- 8148 Conducting Qualitative Studies in Educational Contexts (prereq CI 8133 and [CI or OLPD PhD student])**
19700 001 LEC, 01:25pm-04:25pm W, PeikH 31, instruction mode: Classroom; Asher, Nina, 3 cr
- 8150 Research Topics Curr & Instruc (max crs 12; 12 repeats allowed; prereq [M.A. or Ed.D or Ph.D.] student or instr consent)**
23813 001 LEC, 09:05am-12:00pm W, PeikH 355, instruction mode: Partially Online; Topic: Feminism & Queer Theory and Methods; Meeting dates and times TBD by instructor and students.; Hermes, Mary Rose, 3 cr
34204 !002 LEC, 04:40pm-07:20pm M, PeikH 335, instruction mode: Classroom; SLC Revitalization; Hermes, Mary Rose, 3 cr
- 8151 Paradigms and Practices in Teacher Preparation (A-F only; prereq Grad student)**
25459 !001 LEC, 04:40pm-07:20pm T, PeikH 355, instruction mode: Classroom; Sato, Mistilina, 3 cr
- 8155 Immigrant Families and U.S. Schools (A-F only)**
34134 001 LEC, instruction mode: Classroom; Meeting dates and times TBD; Ngo, Bic, 3 cr
- 8159 Culture and Teaching Colloquium (max crs 6; A-F only)**
23811 001 LEC, 09:20am-11:45am T, PeikH 355, instruction mode: Classroom; Topic: Conceptualizing Social Justice; Sato, Mistilina, 3 cr
- 8195 Problems: Improvement of Instruction (max crs 6; prereq instr consent)**
14561 001 IND, instruction mode: Classroom; Meeting dates and times TBD by instructor and student., 1-6 cr
- 8197 Problems: Curriculum Studies (max crs 8; 8 repeats allowed; A-F only; prereq MA student)**
14950 001 IND, instruction mode: Independent/Directed Studies; Meeting dates and times TBD by instructor and student., 1-4 cr
- 8198 Problems: Teacher Education (max crs 12; 12 repeats allowed; prereq instr consent)**
17366 001 IND, instruction mode: Classroom; , 1-6 cr
- 8333 FTE: Master's (NGA; prereq Master's student, adviser approval, DGS approval)**
15855 001 IND, instruction mode: Independent/Directed Studies, 1 cr
- 8391 Learning Technologies Seminar (max crs 6; 6 repeats allowed; prereq CI grad student or instr consent)**
25248 !001 LEC, 04:30pm-07:30pm T, LES R250, STPAUL, instruction mode: Classroom, 1-3 cr
- 8395 Directed Study: Learning Technologies (max crs 12; 12 repeats allowed; prereq instr consent)**
15684 001 IND, instruction mode: Classroom; Scharber, Cassandra; Doering, Aaron H; Pazurek, Angelica; Boeckers, Daryl Robert; McGill, Chuck; Hutchinson, Jim; Chen, Bodong, 1-6 cr
- 8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser approval, DGS approval)**
22246 001 IND, instruction mode: Classroom, 1 cr
- 8492 Readings in English Education and Reading (max crs 10; 10 repeats allowed; prereq instr consent)**
23799 001 IND, instruction mode: Classroom, 1-3 cr
- 8495 Problems: Teaching English and Reading (max crs 6; A-F only; prereq instr consent)**
14949 001 IND, instruction mode: Independent/Directed Studies; Independent Study., 1-6 cr
- 8571 Equity, Policy, and Social Justice in Science Education (OPN; prereq Science ed grad student or instr consent)**
33869 !001 LEC, 04:40pm-07:20pm W, LES 139B, STPAUL, instruction mode: Classroom; Brown, Julie C., 3 cr
- 8595 Problems: Science Education (max crs 12; 12 repeats allowed; prereq CI grad student or instr consent)**
11942 001 IND, instruction mode: Classroom; Meeting dates and times TBD by instructor and student.; Roehrig, Gillian Heather; Upadhyay, Bhaskar; Billington, Barbara Lynne; Johnson, Roger T; Finley, Fred N, 1-6 cr
- 8650 Seminar: Special Topics in Second Languages and Cultures Research (max crs 6; 6 repeats allowed; prereq CI grad student or instr consent)**
25461 001 LEC, 01:25pm-04:05pm Th, . NONSTD-TBA, instruction mode: Classroom; Topic: Critical Topics in Second Language Acquisition and Education; King PhD, Kendall Amy, 3 cr
33871 !002 LEC, 04:40pm-07:20pm T, PeikH 335, instruction mode: Classroom; Topic: Indigenous Language Revitalization and Activist Research Methods; Hermes, Mary Rose, 3 cr
- 8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)**
15854 001 IND, instruction mode: Classroom, 1-6 cr
- 8691 Readings in Second Languages and Cultures Education (max crs 3; prereq instr consent)**
11156 001 IND, instruction mode: Independent/Directed Studies; Prereq instructor consent.Meeting dates and times TBD by instructor and student.; SLC doctoral students.; Bigelow, Martha; Hermes, Mary Rose; Tarone, Elaine E.; King PhD, Kendall Amy; Tedick PhD, Diane J, 1-3 cr
- 8695 Problems: Second Languages and Cultures Education (max crs 12; 12 repeats allowed; prereq instr consent)**
11155 001 IND, instruction mode: Classroom; Prereq instructor consent. Meeting dates and times TBD by instructor and student.; Bigelow, Martha; Hermes, Mary Rose; Tedick PhD, Diane J; King PhD, Kendall Amy, 1-6 cr
- 8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA)**
17292 001 IND, instruction mode: Independent/Directed Studies, 1-18 cr
- 8795 Problems: Social Studies Education (max crs 12; 12 repeats allowed; prereq CI grad student or instr consent)**
14541 001 IND, instruction mode: Independent/Directed Studies; Mayo Jr, J.B.; Avery, Patricia Grant, 1-6 cr
- 8796 Research Internship in Social Studies Education (max crs 6; A-F only; prereq CI grad student)**
14520 001 FWK, instruction mode: Independent/Directed Studies; Graduate students only.; Mayo Jr, J.B.; Avery, Patricia Grant, 1-6 cr
- 8888 Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)**
15816 001 IND, instruction mode: Independent/Directed Studies, 1-24 cr

DAKOTA (Dakota)
19 Scott Hall, 72 Pleasant St Se, East Bank Campus, Minneapolis, MN, 55455
612/624-1338, <http://amin.umn.edu/>

1121 Beginning Dakota I
(Credit will not be granted if credit has been received for: DAKO 4121)

18777 001 LEC, 11:15am-12:05pm MTWThF, NichH 115, instruction mode: Classroom; Meets with: 20050 DAKO 4121; Bendickson, Wayne Joseph, 5 cr

3123 Intermediate Dakota I

(Credit will not be granted if credit has been received for: DAKO 4123; prereq 1122)
18778 001 LEC, 12:20pm-01:10pm MTWThF, ApH 319, instruction mode: Classroom; Meets with: 19926 DAKO 4123; Bendickson, Wayne Joseph, 5 cr

3125 Introduction to Dakota Linguistics (prereq 3124)

20163 001 LEC, 09:45am-11:00am TTh, ScottH 2, instruction mode: Classroom; McKay, Neil Troy, 3 cr

4121 Beginning Dakota I

(Credit will not be granted if credit has been received for: DAKO 1121; prereq [1122, 1004] in another language or passing score on LPE or grad student)
20050 001 LEC, 11:15am-12:05pm MTWThF, NichH 115, instruction mode: Classroom; Meets with: 18777 DAKO 1121; Bendickson, Wayne Joseph, 3 cr

4123 Intermediate Dakota I

(Credit will not be granted if credit has been received for: DAKO 3123; prereq 1121, 3123, 5126)
19926 001 LEC, 12:20pm-01:10pm MTWThF, ApH 319, instruction mode: Classroom; Meets with: 18778 DAKO 3123; Bendickson, Wayne Joseph, 3 cr

5126 Advanced Dakota Language I

(max crs 12; 4 repeats allowed; A-F only)
18646 001 LEC, 02:30pm-03:20pm MWF, WulIH 240, instruction mode: Classroom; McKay, Neil Troy, 3 cr

DANCE (Dnce)

Barbara Barker Center for Dance, 500-21st Ave So, West Bank Campus, Minneapolis, MN, 55455
612/624-5060, <http://dance.umn.edu>

1001 Modern Dance Technique 1

11910 001 LAB, 10:10am-11:40am TTh, BarkerCtr 300, instruction mode: Classroom; Plache Flink, Emilie, 1 cr
20563 002 LAB, 06:30pm-07:45pm MW, BarkerCtr 200, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Davies, Angharad Sian, 1 cr

1010 Modern Dance Technique 3

(max crs 4; prereq dept consent, audition)
22268 001 LAB, 12:20pm-01:50pm T, BarkerCtr 300, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Virtucio, Laura Anne Selle, 1-2 cr
15058 002 LAB, 12:20pm-01:50pm M, BarkerCtr 200, 12:20pm-01:50pm T, BarkerCtr 100, 12:20pm-01:50pm Th, BarkerCtr 100, 12:20pm-01:50pm F, BarkerCtr 300, instruction mode: Classroom; Dance majors only; 20 seats reserved for Dance majors; Thompson, Erin D, 1-2 cr

1040 Modern Dance Partnering Technique

(max crs 2; A-F; prereq Dance major or instr consent)
34686 001 LAB, 12:20pm-01:50pm W, BarkerCtr 300, instruction mode: Classroom; Dance Majors or instructor Approval; Sands, Uri, 1 cr

1101 Ballet Technique 1

11902 001 LAB, 05:00pm-06:15pm MW, BarkerCtr 300, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Wallum, Tina Anderson-, 1 cr

1110 Ballet Technique 3

(max crs 4; prereq dept consent, audition)
11786 001 LAB, 08:25am-09:55am MWF, BarkerCtr 100, instruction mode: Classroom; 15 seats reserved for Dance majors; Wallum, Tina Anderson-, 2 cr

1201 Jazz Technique 1

12005 001 LAB, 06:30pm-07:45pm TTh, BarkerCtr 200, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Grotting, Karla Kaye, 1 cr

1210 Jazz Technique 3

(max crs 2; prereq dept consent, audition)
12014 001 LAB, 08:25am-09:55am T, BarkerCtr 100, 08:25am-09:55am Th, BarkerCtr 300, instruction mode: Classroom; 15 seats reserved for Dance majors; Grotting, Karla Kaye, 1 cr

1301 Tap Technique 1

11754 001 LAB, 05:00pm-06:15pm TTh, People Ctr GYM, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Keane, Ellen, 1 cr

1313 African Based Movement

20570 001 LAB, 06:30pm-07:45pm MW, People Ctr GYM, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Brown, Patricia, 1 cr

1323 Swing Dance

20565 001 LAB, 08:00pm-09:15pm TTh, People Ctr GYM, instruction mode: Classroom; Lead Section. Students in this section will learn the lead role for the duration of the semester.; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 20566 DNCE 1323; Paulus IV, Todd Eugene; Rosenthal, Joy Davina, 1 cr
20566 002 LAB, 08:00pm-09:15pm TTh, People Ctr GYM, instruction mode: Classroom; Follow Section. Students in this section will learn the follow role for the duration of the semester.; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 20565 DNCE 1323; Paulus IV, Todd Eugene; Rosenthal, Joy Davina, 1 cr

1327 Argentine Tango

(OPN)
22523 001 LAB, 05:00pm-06:15pm MW, People Ctr GYM, instruction mode: Classroom; Lead Section. Students in this section will learn the lead role for the duration of the semester. Meets with DNCE 1327, Section 002.; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 22611 DNCE 1327; Trost, Rebecca R; DuCane, Andrea Jackson, 1 cr
22611 002 LAB, 05:00pm-06:15pm MW, People Ctr GYM, instruction mode: Classroom; Follow Section. Students in this section will learn the follow role for the duration of the semester. Meets with DNCE 1327, Section 001.; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 22523 DNCE 1327; Trost, Rebecca R; DuCane, Andrea Jackson, 1 cr

1331 Yoga

15060 001 LAB, 08:25am-09:55am TTh, People Ctr GYM, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Maxwell, Dustin T, 1 cr
15659 002 LAB, 10:10am-11:40am TTh, People Ctr GYM, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Maxwell, Dustin T, 1 cr
25804 004 LAB, instruction mode: Classroom, 1 cr

1335 T'ai Chi Ch'uan

21492 001 LAB, 06:30pm-07:45pm MW, BarkerCtr 300, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Abdella, Paul Edward, 1 cr

1343 Hip Hop Movement

(OPN)
20567 001 LAB, 12:20pm-01:50pm W, People Ctr GYM, instruction mode: Classroom; 10 seats reserved for Dance majors; Noer, Jason Richard, 1 cr

1351 African Diasporic Movement 1

(OPN)
20869 001 LAB, 10:10am-11:40am T, BarkerCtr 100, 10:10am-11:40am Th, BarkerCtr 200, instruction mode: Classroom; Brown, Patricia, 1 cr

1353 African Diasporic Movement 3

(OPN; prereq 1352 or audition or instr consent)
20870 001 LAB, 10:10am-11:40am T, BarkerCtr 200, 10:10am-11:40am Th, BarkerCtr 100, instruction mode: Classroom; Silva Dos Santos, Marciano, 1 cr

1401 Introduction to Dance

(Credit will not be granted if credit has been received for: CHIC 1401; OPN; meets CLE req of Arts/ Humanities)
12147 001 LEC, 10:10am-11:40am M, People Ctr GYM, 10:10am-11:40am W, BarkerCtr 100, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Brown, Maija Elizabeth, 3 cr
23865 002 LEC, 06:30pm-09:15pm W, BarkerCtr 301, instruction mode: Classroom; Brown, Maija Elizabeth, 3 cr

1601 Dance Improvisation

(A-F only; prereq Concurrent registration in a modern dance technique course, dept consent)
15059 001 LAB, 10:10am-11:40am MF, BarkerCtr 200, instruction mode: Classroom; 15 seats reserved for Dance majors; Wilder, Arwen P; Vanloon, Kristin, 1 cr

1626 Music for Dance

(prereq dept consent; meets CLE req of Arts/ Humanities)

20564 001 LEC, 10:10am-11:40am MWF, BarkerCtr 301, 10:10am-11:40am MW, BarkerCtr 300, instruction mode: Classroom; 20 seats reserved for Dance majors; Kinney, Michelle Marie, 3 cr

3010 Modern Dance Technique 5

(max crs 4; prereq dept consent, audition)
11990 001 LAB, 02:05pm-03:35pm M, BarkerCtr 100, 02:05pm-03:35pm T, BarkerCtr 200, 02:05pm-03:35pm Th, BarkerCtr 300, 02:05pm-03:35pm F, BarkerCtr 200, instruction mode: Classroom; 15 seats reserved for Dance majors; Flink, Carl Lindsay; Smith, Joan Anne, 2 cr

3110 Ballet Technique 5

(max crs 4; prereq dept consent, audition)
11887 001 LAB, 08:25am-09:55am MWF, BarkerCtr 200, instruction mode: Classroom; 15 seats reserved for Dance majors; Freeh, Penelope Anne, 2 cr
13684 002 LAB, 08:25am-09:55am MWF, BarkerCtr 300, instruction mode: Classroom; 15 seats reserved for Dance majors; Sayegh Rodriguez, Abdo, 2 cr

3210 Jazz Technique 5

(max crs 2; prereq dept consent, audition)
12015 001 LAB, 12:20pm-01:50pm T, BarkerCtr 200 Th, BarkerCtr 300, instruction mode: Classroom; 15 seats reserved for Dance majors; Lee, Linda Talcott, 1 cr

3301 Tap Technique 3

(prereq 1302 or instr consent)
11769 001 LAB, 06:30pm-07:45pm TTh, People Ctr GYM, instruction mode: Classroom; Keane, Ellen, 1 cr

3311 Contemporary Indian Dance 1

(OPN; prereq instr consent)
20568 001 LAB, 02:05pm-03:35pm W, BarkerCtr 200, instruction mode: Classroom; 10 seats reserved for Dance majors; Chatterjea, Ananya, 1 cr

3334 Introduction to Dance/Movement

Therapy (prereq dept consent)
20901 001 LAB, 02:05pm-03:35pm W, BarkerCtr 300, instruction mode: Classroom; Meets with: 20902 DNCE 5334; Nordstrom-Loeb, Barbara E, 2 cr

3337 Body Mind Centering

15061 001 LAB, 06:30pm-09:15pm T, BarkerCtr 300, instruction mode: Classroom; Fargnoli, Margaret, 2 cr

3401W Dance History 1

(meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)
13363 001 LEC, 10:10am-11:40am TTh, BarkerCtr 301, instruction mode: Classroom; 20 seats reserved for Dance majors; Larasati PhD, Rachmi Diah, 3 cr

3495 Dance and Global Tourism

(OPN; prereq Jr or sr; meets CLE req of Global Perspectives)
34822 001 LEC, 02:05pm-03:35pm W, BarkerCtr 301, instruction mode: Classroom; Larasati PhD, Rachmi Diah, 3 cr

3602 Dance Composition 2

(prereq 3601, dept consent, concurrent regis in a modern dance technique course)
15541 001 LAB, 12:20pm-01:50pm M, BarkerCtr 300, 12:20pm-01:50pm W, BarkerCtr 100, 12:20pm-01:50pm F, BarkerCtr 100, instruction mode: Classroom; Smith, Joan Anne; Bergeron, Maggie Marie, 3 cr
15542 002 LAB, 12:20pm-01:50pm M, BarkerCtr 100, 12:20pm-01:50pm W, BarkerCtr 200, 12:20pm-01:50pm F, BarkerCtr 200, instruction mode: Classroom; Rink, Scott, 3 cr

3621 Dance Production I

(A-F only; prereq Dance major, dept consent)
34671 001 LEC, 06:30pm-09:15pm M, BarkerCtr 100 M, BarkerCtr 301, instruction mode: Classroom; Dance majors only; Courtright, Anthony E, 2 cr

4443 Theorizing Dancing Bodies

(Credit will not be granted if credit has been received for: DNCE 5443; prereq 3402W or instr consent)
34678 001 LEC, 12:20pm-01:50pm TTh, BarkerCtr 301, instruction mode: Classroom; Chatterjea, Ananya, 3 cr

4602 Dance Composition 4

(prereq 4601, Concurrent registration is required (or allowed) in modern dance technique course, dept consent)

16154 001 LAB, 10:10am-11:40am MF, BarkerCtr 100,
10:10am-11:40am W, BarkerCtr 200, instruction mode:
Classroom; Smith, Joan Anne, 3 cr

4901 Senior Seminar

(Credit will not be granted if credit has been received for: TH 4901; S-N only; prereq Sr, [DNce or Th major])

20170 001 IND, instruction mode: Classroom; This class meets 7:10PM -8:10PM on Sept 8th in Rarig 185 and Oct 6th, and Dec. 8th in Barker 100; Smith, Joan Anne; Werry, Margaret L; Gentleman, Rye, 2 cr

5010 Modern Dance Technique 7

(max crs 4; prereq dept consent , audition)

12017 001 LAB, 02:05pm-03:35pm M, BarkerCtr 200,
02:05pm-03:35pm T, BarkerCtr 300, 02:05pm-03:35pm Th,
BarkerCtr 200, 02:05pm-03:35pm F, BarkerCtr 100,
instruction mode: Classroom; 15 seats reserved for Dance majors; Pierce, Toni L, 2 cr

5110 Ballet Technique 7

(max crs 2; prereq dept consent , audition)

34901 001 LAB, 08:25am-09:55am T, BarkerCtr 300,
08:25am-09:55am Th, BarkerCtr 200, instruction mode:
Classroom; Placement or Instructor Approval, 1 cr

5334 Introduction to Dance/Movement Therapy

(prereq dept consent)

20902 001 LAB, 02:05pm-03:35pm W, BarkerCtr 300,
instruction mode: Classroom; Meets with: 20901 DNCE 3334; Nordstrom-Loeb, Barbara E, 2 cr

5443 Theorizing Dancing Bodies

(Credit will not be granted if credit has been received for: DNCE 4443; prereq instr consent)

34682 001 LEC, 12:20pm-01:50pm TTh, BarkerCtr 301,
instruction mode: Classroom; Instructor Approval;
Chatterjea, Ananya, 3 cr

5495 Dance and Global Tourism

(OPN; prereq Grad student)

34825 001 LEC, 02:05pm-03:35pm W, BarkerCtr 301,
instruction mode: Classroom; Grad level; Larasati PhD,
Rachmi Diyah, 3 cr

5500 Topics in Dance

(max crs 10; 10 repeats allowed; A-F only)

21857 001 LAB, 02:05pm-03:35pm M, BarkerCtr 300,
02:05pm-03:35pm T, BarkerCtr 100, 02:05pm-03:35pm Th,
BarkerCtr 100, 02:05pm-03:35pm F, BarkerCtr 300,
instruction mode: Classroom; Prerequisite: Modern Dance 8 or audition; Flink, Carl Lindsay; Thompson, Erin D, 1-3 cr

5700 Performance

(max crs 4; 4 repeats allowed; prereq Concurrent registration is required (or allowed) in technique course, dept consent)

12038 001 LAB, 03:45pm-06:15pm MTWThF, BarkerCtr 200,
03:45pm-06:15pm MTWThF, BarkerCtr 100, instruction mode:
Classroom; Pierce, Toni L, 1 cr

5858 Teaching Dance

(prereq 1020, dept consent , instr consent)

34675 001 LAB, 08:25am-09:55am MWF, People Ctr GYM
MWF, BarkerCtr 301, instruction mode: Classroom; Dance
Majors; Bergeron, Maggie Marie, 4 cr

5993 Directed Studies

(max crs 10; 10 repeats allowed)

14548 001 IND, instruction mode: Classroom; Larasati PhD,
Rachmi Diyah, 1-4 cr

DENTAL HYGIENE (DH)

9-406 Malcolm Moos Health Sciences Tower,
515 Delaware Street SE, East Bank Campus,
Minneapolis, MN, 55455
612/625-9121, <http://www.dentistry.umn.edu>

2111 Dental Anatomy

(A-F; prereq DH student)

001 LEC, 11:15am-12:15pm W, MoosT 8-348, instruction mode:
Classroom; No AHC room Required; Anderson,
Jeanne Marie
12793 002 LAB, 01:15pm-03:15pm W, MoosT 8-348,
instruction mode: Classroom; No AHC Room Required;
Anderson, Jeanne Marie, 2 cr

2121 The Dental Hygiene Care Process Clinical Application I

(A-F only; prereq DH student)

001 LEC, instruction mode: Classroom; No room required;
Meets with: 19974 DT 5330
12827 002 FWK, 10:00am-12:00pm TTh, Room TBA,
TCEASTBANK, 01:00pm-04:00pm TTh, Room TBA,
TCEASTBANK, instruction mode: Classroom; Clinic meets
in 8 South Clinic; Osborn, Joy B, 5 cr

2132 Head and Neck Anatomy

(A-F only; prereq DH student)

12783 001 LEC, instruction mode: Classroom; No AHC Room
Required; Meets with: 19972 DT 5210, 1 cr

3120 General and Oral Pathology

(A-F only; prereq DH student)

24454 001 LEC, 01:00pm-03:00pm W, Room TBA,
TCEASTBANK, 01:00pm-03:00pm W, Room TBA,
TCEASTBANK, instruction mode: Classroom; MayoD199
originally reserved for DH2111 will be used for this course.;
Meets with: 24518 DT 5251; Blue, Christine M; Myers,
Sandra L, 2 cr

3224W Dental Hygiene Care Process: Clinical Application IV

(A-F; prereq Dental hygiene student; meets CLE req of Writing Intensive)

18609 100 FWK, 09:15am-12:15pm MT, Room TBA,
TCEASTBANK, 01:15pm-04:15pm MTTh, Room TBA,
TCEASTBANK, instruction mode: Classroom; No AHC
Room Required; Meets with: 21117 DT 5334W; Blue,
Christine M; Stull, Cyndee, 6 cr
200 LEC, 09:00am-10:45am W, MoosT 8-348, instruction mode:
Classroom; Blue, Christine M

3227 Oral and Maxillofacial Radiology Clinic II

(A-F only; prereq DH student)

18795 001 FWK, instruction mode: Classroom; Ahmad,
Mansur; Blue, Christine M, 0 cr

3228 Ethics and Jurisprudence for the Dental Hygienist

(A-F; prereq Dental hygiene student)

26735 001 LEC, 08:00am-08:50am W, MoosT 8-348,
instruction mode: Classroom; Jalivay, Tina Jo; Ephrem,
Hiwet, 1 cr

3234 Oral and Maxillofacial Radiology: Theory, Principles, and Radiographic Analysis

(A-F; prereq Matriculated into dental hygiene program, 2nd yr)

18682 001 LEC, 11:15am-12:05pm WTh, Room TBA,
TCEASTBANK, 11:15am-12:05pm WTh, Room TBA,
TCEASTBANK, 10:10am-11:00am Th, Room TBA,
TCEASTBANK, 10:10am-11:00am Th, Room TBA,
TCEASTBANK, instruction mode: Classroom; Meets with:
20074 DDS 6234, 21042 DT 5231; Ahmad, Mansur; Conlin
DDS, Robert E., 1 cr
18690 002 LEC, 08/07/15-06/15/16, instruction mode:
Classroom, 1 cr

3238 Dental Public Health and Academic Service Learning

(A-F; prereq Matriculated into DH)

18689 001 FWK, 09:00am-10:30am Th, Room TBA,
TCEASTBANK, 08:00am-09:00am M, Room TBA,
TCEASTBANK, instruction mode: Classroom; Dental
Hygiene Classroom 8-348 has been reserved.; Meets with:
21069 DT 5333; Flynn, Priscilla Moen, 3 cr

4191 Independent Study

(max crs 6; 6 repeats allowed; prereq DH student)

23357 001 IND, instruction mode: Classroom; No AHC Room
Req., 0-6 cr

4300 Elective Academic Service Learning Experiences and Externships

(max crs 78; 6 repeats allowed; S-N; prereq Dental hygiene student)

20144 001 FWK, 08:00am-08:50am, TCEASTBANK,
instruction mode: Independent/Directed Studies; No AHC
Classroom Needed; Blue, Christine M, 0-13 cr

4310 Foundations of Inter-professional, Professionalism, Communication, and Collaboration

(max crs 2; S-N; prereq Dental hygiene student)

21143 001 LEC, 01:30pm-03:30pm, TCEASTBANK,
instruction mode: Classroom; Meets with: 21141 DDS
6511, 21142 DT 5521; Quick, Karin, 1 cr

5201 Management Internship

(S-N; prereq Dental hygiene grad student)

23323 001 FWK, instruction mode: Independent/Directed
Studies; No AHC Room Needed; Blue, Christine M, 5 cr

5203 Capstone Project

(S-N; prereq Dental hygiene grad student)

20243 001 IND, 06:30pm-08:15pm, TCEASTBANK,
instruction mode: Independent/Directed Studies; No AHC
Room Required; Jalivay, Tina Jo, 3 cr

5403 The Discipline of Dental Hygiene

(A-F; prereq Dental hygiene grad student)

23229 001 LEC, 06:30pm-08:15pm W, Room TBA,
TCEASTBANK, instruction mode: Correspondence; No
AHC room needed; Flynn, Priscilla Moen, 2 cr

5405 Curriculum and Course Development

(max crs 4; A-F; prereq Dental Hygiene grad student)

19446 001 LEC, 06:00pm-08:00pm, TCEASTBANK,
instruction mode: Classroom; No AHC Room Required, 2
cr

5407 Instructional Strategies for Effective Teaching

(A-F; prereq Dental hygiene grad student)

19447 001 LEC, instruction mode: Classroom; No AHC Room
Required; Stoltenberg, Jill L, 2 cr

5409 Dental Hygiene Clinic Administration

(A-F; prereq Dental hygiene grad student)

26737 001 LEC, 05:00pm-07:30pm M, Room TBA,
TCEASTBANK, instruction mode: Classroom; No AHC
Room Required; Jalivay, Tina Jo; Ahmann, Lisa Webb, 2 cr

5415 Dental Hygiene Supervised Didactic Course Student Teaching

(max crs 2; A-F; prereq Dental hygiene grad student)

20148 001 IND, instruction mode: Classroom; Students do not
meet for this course. No room required., 1 cr

5420 Master of Dental Hygiene Independent Study

(max crs 10; S-N only; prereq Enrolled master of dental hygiene student)

24694 001 IND, instruction mode: Classroom; No AHC Room
Required, 0-5 cr

7000 Thesis/Capstone Independent Study

(NGA; prereq Dental hygiene grad student)

22025 001 IND, instruction mode: Independent/Directed
Studies; No classroom required., 0 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18
cr per semester or summer; 10 cr total required [Plan
A only])

20149 001 IND, instruction mode: Independent/Directed
Studies; No room required; Blue, Christine M, 1-18 cr

DENTAL THERAPY (DT)

5000 Dental Therapy Capstone Project

(max crs 1; S-N)

26717 001 IND, instruction mode: Classroom; Self, Karl D,
0-1 cr

5140 Preventive Pediatric Dental Clinic

(A-F)

21177 001 FWK, instruction mode: Classroom; Yesil,
Jasmine, 1 cr

5141 Clinical Pediatric Dentistry III

(A-F; prereq Must be in the dental therapy program,
passed basic foundation competencies)

21968 001 FWK, instruction mode: Classroom; Yesil,
Jasmine, 2 cr

5162 Principles of Exodontia and Minor Oral Surgery

(A-F)

26405 001 LEC, instruction mode: Classroom; Assael, Leon
Allen; Self, Karl D, 1 cr

5210 Head and Neck Anatomy

(A-F; prereq Accepted into master's dental therapy program)

19972 001 LEC, instruction mode: Classroom; Meets with:
12783 DH 2132, 1 cr

5231 Oral and Maxillofacial Radiology II

(A-F)
21042 001 LEC, 11:15am-12:05pm WTh, Room TBA, TCEASTBANK, 11:15am-12:05pm WTh, Room TBA, TCEASTBANK, 10:10am-11:00am Th, Room TBA, TCEASTBANK, 10:10am-11:00am Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 20074 DDS 6234, 18682 DH 3234; Ahmad, Mansur; Conlin DDS, Robert E., 1 cr

5241 Oral Radiology Clinic II

(A-F; prereq Must be in dental therapy masters program)
21966 001 FWK, instruction mode: Classroom; Ahmad, Mansur, 1 cr

5251 General and Oral Pathology

(A-F)
24518 001 LEC, 01:00pm-03:00pm W, Room TBA, TCEASTBANK, 01:00pm-03:00pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 24454 DH 3120; Blue, Christine M; Myers, Sandra L, 1 cr

5320 Comprehensive Care Clinic

(S-N)
22017 001 FWK, instruction mode: Classroom; Nadeau, Richard D, 4 cr

5321 Treatment Planning for the Dental Therapist

(S-N)
24769 001 LEC, 03:15pm-04:15pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Nadeau, Richard D, 1 cr

5330 Clinical Application I

(A-F; prereq Accepted into master's dental therapy program)
19974 001 LEC, instruction mode: Classroom; Meets with: 12826 DH 2121, 3 cr

5333 Dental Public Health and Academic Service Learning I

(A-F)
21069 001 LEC, 09:00am-10:30am Th, Room TBA, TCEASTBANK, 08:00am-09:00am M, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 18689 DH 3238; Flynn, Priscilla Moen, 3 cr

5334W Dental Therapy Care Process:

Clinical Application II
(A-F; meets CLE req of Writing Intensive)
21117 001 FWK, 09:15am-12:15pm MT, Room TBA, TCEASTBANK, 01:15pm-04:15pm MTTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 18609 DH 3224W; Blue, Christine M; Stull, Cyndee, 4 cr

5336 Ethics and Jurisprudence for the Dental Therapist

(A-F)
21118 001 LEC, 08:00am-08:50am W, MoosT 2-116, instruction mode: Classroom; Blue, Christine M, 1 cr

5361 Outreach Experiences II

(S-N)
22019 001 FWK, instruction mode: Classroom; Schulz DDS, Paul D, 2 cr

5410 Applied Dental Biomaterials

(A-F)
21245 001 LEC, instruction mode: Classroom; Aparicio PhD, Conrado, 1 cr

5429 Introduction to Psychomotor Skill Development

(S-N)
20227 001 FWK, instruction mode: Classroom; Phair, Craig B, 1 cr

5430 Oral Anatomy

(A-F; prereq Accepted into dental therapy masters program)
20157 001 LEC, 08:00am-08:50am MW, Room TBA, TCEASTBANK, 08:00am-08:50am MW, Room TBA, TCEASTBANK, 08:00am-08:50am F, Room TBA, TCEASTBANK, 08:00am-08:50am MW, Room TBA, TCEASTBANK, 08:00am-08:50am M, Room TBA, TCEASTBANK, 08:00am-08:50am F, Room TBA, TCEASTBANK, 08:00am-08:50am MW, Room TBA, TCEASTBANK, 08:00am-08:50am MW, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 20053 DDS 6431; Madden, Michael John, 2 cr

5432 Operative Dentistry I

(A-F)
26761 001 LEC, instruction mode: Classroom, 2 cr

5434 Operative Dentistry II Lecture

(A-F; prereq Enrolled in master's in dental therapy program)
21133 001 LAB, 01:00pm-01:50pm TTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm TTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm T, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm Th, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm Th, Room TBA, TCEASTBANK, 08/03/15-01/08/16, instruction mode: Classroom; Meets with: 20081 DDS 6436; Phair, Craig B, 1 cr

5435 Operative Dentistry II for the Dental Therapist, Lab

(A-F)
21128 001 LAB, 02:00pm-04:30pm TTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, instruction mode: Classroom; 3M Lab; Phair, Craig B; Lee, Ignatius Kaiyan, 1 cr

5436 Operative Dentistry III

(A-F)
21122 001 LEC, instruction mode: Classroom, 1 cr

5443 Operative Clinic III

(A-F)
22018 001 FWK, instruction mode: Classroom; Hildebrandt, Gary Howard, 4 cr

5460 Essentials of Clinical Care I For the Dental Therapist

(max crs 12; S-N)
22093 001 FWK, instruction mode: Classroom; Riggs, Sheila, 1-12 cr

5471 Prosthodontic Topics for Dental Therapy

(S-N)
21961 001 LEC T, Room TBA, instruction mode: Classroom; Cook, Gary Eugene, 2 cr

5521 Foundations of Interprofessional Professionalism, Communication, and Collaboration

(S-N)
21142 001 DIS, 01:30pm-03:30pm, TCEASTBANK, instruction mode: Classroom; Meets with: 21141 DDS 6511, 21143 DH 4310; Quick, Karin, 1 cr

6321 Treatment Planning

(A-F)
26404 001 DIS, instruction mode: Classroom; Nadeau, Richard D, 2 cr

6340 Advanced Dental Therapy Prep Clinic

(A-F)
26402 001 FWK, instruction mode: Classroom; Self, Karl D, 10 cr

6341 Advanced Dental Therapy Prep Lecture

(A-F; prereq Must be a licensed dental therapist who was originally trained at the University of Minnesota, School of Dentistry.)
26403 001 LEC, instruction mode: Classroom; Self, Karl D, 2 cr

DENTISTRY (Dent)

15-209 Malcolm Moos Health Sciences Tower, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9982, <http://www.dentistry.umn.edu>

6470 Health Ecology Elective

(max crs 10)
14191 001 IND, instruction mode: Classroom; 15-136 MoosT; Born, David Omar, 1-10 cr

6480 Advanced General Dentistry Elective

(max crs 10)
13650 001 IND, instruction mode: Classroom; 15-136 MoosT; Born, David Omar, 1-10 cr

6490 Health Ecology: Independent Study

(max crs 10)

14192 001 IND, instruction mode: Classroom; 15-136 MoosT; Born, David Omar, 1-10 cr

6715 Advanced Endodontic Elective

(S-N)
18741 001 LEC, instruction mode: Classroom; Baisden, Michael Kenneth, 0 cr

7021 Contemporary Diagnosis and Management of Orofacial Pain

(A-F)
23325 001 LEC, instruction mode: Classroom; Morrow, Leesa, 1 cr

7032 Field Experience: Administration in a Multidisciplinary Health Center

(max crs 3)
18060 001 FWK, instruction mode: Classroom; Koskela, Carol J; Shuman, Stephen K, 1-3 cr

7051 Advanced Study in the Theory and Principles of Oral Medicine

(A-F)
13502 001 LEC, 07:30am-08:30am TTh, MoosT 7-580, instruction mode: Classroom; Rhodus, Nelson L, 2 cr

7061 Special Oral Pathology I

(S-N; prereq Resident [or grad student] in discipline other than oral pathology)
13578 001 LEC, 03:30pm-05:00pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; class will meet in 16-104; Rohrer, Michael D, 1 cr

7071 General Practice Residency Dental Clinic

(max crs 52; 4 repeats allowed; S-N; prereq Must be in the General Residency Program in Dentistry)
22115 001 FWK, instruction mode: Classroom; Gambucci, James Robert, 13 cr

7102 Conscious Sedation

(A-F; prereq Dentistry grad student)
13365 001 LEC, instruction mode: Classroom; Hinrichs DDS, MS, James Edward, 2 cr

7111 Current Literature Review in Dentistry

(A-F; prereq Grad student in [dentistry or oral biology] or instr consent)
15852 001 LEC, instruction mode: Classroom; Conrad, Heather Joan, 2 cr

7112 Treatment Planning Seminar

(max crs 4; A-F only)
15353 001 LEC, instruction mode: Classroom; Conrad, Heather Joan, 2 cr

7121 Psychological Issues in Medical and Dental Patient Management

23294 001 LEC F, Room TBA, instruction mode: Classroom; Morrow, Leesa, 1 cr

7123 Temporomandibular Disorders and Orofacial Pain

(A-F only)
24677 001 LEC, 07:30am-08:20am Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Schiffman DDS, MS, Eric L, 1 cr

7220 Prosthetically-Driven Implant Surgery and Treatment Planning

(S-N; prereq Prosthodontics resident)
23274 001 LEC, instruction mode: Classroom; Conrad, Heather Joan, 1 cr

7991 Independent Study

(max crs 8; OPN; prereq Enrolled in an advanced dental education program)
17459 001 IND, instruction mode: Independent/Directed Studies; Shuman, Stephen K, 1-4 cr

8031 Topics and Problems in Dental Education

(max crs 3)
16882 001 LEC, instruction mode: Classroom, 1-3 cr

8090 Evidence-based Clinical Pediatric Dentistry

(A-F only)
14990 001 LEC, instruction mode: Classroom; MoosT 6-162B; Grothe, Ronald, 2 cr

8100 Topics in Advanced Periodontology: Literature Review

14960 I001 LEC, 05:00pm-07:00pm W, MoosT 7-394,
instruction mode: Classroom; Korn Library, 2 cr

8120 Advanced Principles and Techniques of Orofacial Pain Disorders

(A-F only; prereq Participation in TMJ, orofacial pain advanced education program)

13364 001 LEC, 07:30am-08:30am MWF, MoosT 6-374,
instruction mode: Classroom; Schiffman DDS, MS, Eric L,
3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13959 001 IND, instruction mode: Classroom; Adviser and DGS consent; Shuman, Stephen K, 1 cr

8773 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14300 001 IND, instruction mode: Classroom; Shuman, Stephen K, 1-18 cr

DERMATOLOGY (Derm)

4-240 Phillips Wangenstein (Box 98 UMHC),
516 Delaware Street SE, East Bank Campus,
Minneapolis, MN, 55455

612/625-8625, <http://www.dermatology.umn.edu>

7182 Hospital Preceptorship in Dermatology

(max crs 3; HNV)

12467 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-3 cr

7183 Advanced Course in Dermatology

(max crs 6; HNV; prereq 7182)

12468 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3-6 cr

7185 Research in Dermatology

(max crs 15; HNV)

12469 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr

DESIGN (Des)

240 McNeal Hall, 1985 Buford Avenue, St.
Paul, MN, 55108

1101V Honors: Introduction to Design Thinking

(A-F; credit will not be granted if credit already received for: DHA 1101V; Honors student; meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive; meets HON req of Honors)

19887 001 DIS, 12:50pm-02:45pm MW, McNH 250, STPAUL,
instruction mode: Classroom; Hemmis, Patricia, 4 cr

1101W Introduction to Design Thinking

(A-F; credit will not be granted if credit already received for: DHA 1101W; meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)

001 LEC, 08:45am-10:00am TTh, McNH 33, STPAUL,
instruction mode: Classroom; Hemmis, Patricia

13316 002 DIS, 08:30am-09:20am W, McNH 250, STPAUL,
instruction mode: Classroom; If you are unable to

add your name to the online waitlist, please email cdespn@umn.edu; 1 seat reserved for SEAM; 2 seats reserved for Design minor, 4 cr

13317 003 DIS, 09:35am-10:25am W, McNH 250, STPAUL,
instruction mode: Classroom; If you are unable to

add your name to the online waitlist, please email cdespn@umn.edu; 1 seat reserved for Design minor, 4 cr

13318 004 DIS, 11:45am-12:35pm W, McNH 250, STPAUL,
instruction mode: Classroom; If you are unable to

add your name to the online waitlist, please email cdespn@umn.edu; 1 seat reserved for Design minor, 4 cr

13319 005 DIS, 10:40am-11:30am T, McNH 10, STPAUL,
instruction mode: Classroom; If you are unable to

add your name to the online waitlist, please email cdespn@umn.edu; 2 seats reserved for Design minor, 4 cr

13320 006 DIS, 10:40am-11:30am Th, McNH 10, STPAUL,
instruction mode: Classroom; If you are unable to

add your name to the online waitlist, please email cdespn@umn.edu; 2 seats reserved for Design minor, 4 cr

1111 Creative Problem Solving

(A-F; credit will not be granted if credit already received for: DHA 1111)

26410 001 LEC, instruction mode: Primarily Online; Class is primarily online with two required on-campus meetings occurring in September and November. The course involves in-person and online activities. See z.umn.edu/creative for more details.; Hokanson, Brad, 3 cr

1111H Honors: Creative Problem Solving

(A-F; prereq Honors; credit will not be granted if credit already received for: DHA 1111H; meets HON req of Honors)

26304 001 LEC, instruction mode: Primarily Online; Class is primarily online with one required on-campus meeting in October. Students will have opportunities to connect online with learners from around the globe, who are also focused on creative problem solving. The course involves in-person and online activities. See z.umn.edu/creative for more details.; Hokanson, Brad, 3 cr

1202 Discovering Majors and Careers

(A-F)

25557 001 LEC, 09:35am-10:25am W, PetH 145, STPAUL,
09/23/15-12/16/15, instruction mode: Classroom; Meets with: 20824 CFAN 1201; Dillon, Tara C, 1 cr

1902 Freshman Seminar

(max crs 9; 3 repeats allowed; A-F; meets CLE req of Diversity and Soc Justice US)

31527 001 DIS, 01:25pm-03:20pm M, RapsonH 109,
instruction mode: Classroom; Bruin, Marilyn J, 2-3 cr

1910W Freshman Seminar

(max crs 6; A-F; prereq Fr; meets CLE req of Writing Intensive)

18327 001 LEC, 11:45am-02:45pm Th, McNH B9, STPAUL,
instruction mode: Classroom; Printing for Designers; Boyd Brent, James W, 3 cr; Printing for Designers

2101 Design and Visual Presentation

(A-F; credit will not be granted if credit already received for: DHA 2101)

22314 001 DIS, 10:40am-11:30am, OFFCAMPUS, instruction mode: Primarily Online; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; 50 seats reserved for Graphic design major or premaj - EXPIRES 04-SEP-2015; 10 seats reserved for Design minor - EXPIRES 04-SEP-2015; 7 seats reserved for DHA: Clothing Design pre-mjr - EXPIRES 04-SEP-2015; 10 seats reserved for Retail Merchandising mjr, jr o - EXPIRES 04-SEP-2015, 2 cr

3131 User Experience in Design

(A-F)

22749 001 LEC, 04:05pm-05:45pm MW, McNH 10, STPAUL,
instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu, 4 cr

3201 Career and Internship Preparation for Design

(A-F; prereq Pre-graphic design or graphic design or pre-interior design or interior design or pre-apparel design or apparel design or environmental design or architecture)

19927 001 LEC, 09:35am-11:30am F, RuttanH B36, STPAUL,
09/08/15-10/26/15, instruction mode: Classroom; Rechtzigel MS, Dana, 1 cr

19928 I002 LEC, 06:20pm-08:15pm W, STSS 530B, 09/08/15-10/26/15, instruction mode: Classroom; Bartley, Christine Giefer, 1 cr

23867 003 LEC, 11:45am-01:40pm Th, BioSci 12, STPAUL,
09/08/15-10/26/15, instruction mode: Classroom; Nagle, Heather, 1 cr

3309 Storytelling and Design

(A-F)

25208 I001 LEC, 06:20pm-08:50pm Th, RapsonH 35,
instruction mode: Classroom; Peters, Stephen Michael, 3 cr

3311 Travels in Typography

(A-F)

25209 I001 LAB, 06:20pm-08:50pm M, RapsonH 13,
instruction mode: Classroom; Moran, Bill, 3 cr

3321 Furniture Design: Exploration

(A-F)

25210 I001 LEC, 06:20pm-08:50pm T, RapsonH 35,
instruction mode: Classroom; Oliphant, Thomas Arthur, 3 cr

3331 Street Life Urban Design Seminar

(A-F)

25211 001 LEC, 01:25pm-03:55pm M, RapsonH 35,
instruction mode: Classroom; Christensen, Carrie Ann, 3 cr

3341 (un)Wrapping It Up: New Materials for Design, Design for New Materials

(A-F)

21466 I001 LEC, 06:20pm-08:50pm W, RapsonH 35,
instruction mode: Classroom; Wright, Bruce N, 3 cr

4165 Design and Globalization

(Credit will not be granted if credit has been received for: DES 5165; A-F only; prereq Jr or sr; credit will not be granted if credit already received for: DHA 4165 or 5165; meets CLE req of Diversity and Soc Justice US)

23784 001 DIS, 09:35am-12:35pm F, McNH 395, STPAUL,
instruction mode: Classroom; Meets with: 25188 DES 5165; Hadjiyanni, Tasoulla, 3 cr

4193 Directed Study in Design

(max crs 36; 6 repeats allowed; A-F; prereq dept consent)

19370 001 IND, 10/27/15-12/16/15, instruction mode:
Independent/Directed Studies; Harder, Kathleen A., 1-6 cr

5165 Design and Globalization

(Credit will not be granted if credit has been received for: DES 4165; A-F only; prereq Grad student; credit will not be granted if credit already received for: DHA 4165/DHA 5165)

25188 001 DIS, 09:35am-12:35pm F, McNH 395, STPAUL,
instruction mode: Classroom; Meets with: 23784 DES 4165; Hadjiyanni, Tasoulla, 3 cr

5168 Evidence-Based Design

(A-F only; prereq CDes grad student or instr consent)

31528 I001 LEC, 06:00pm-09:00pm Th, RapsonH 109,
instruction mode: Classroom; Martin, Caren Samter, 3 cr

5193 Directed Study in Design

(max crs 36; 6 repeats allowed; A-F; prereq dept consent)

25358 003 IND, instruction mode: Independent/Directed Studies; Hokanson, Brad, 1-6 cr

5201 Career and Job Search Preparation for Graduate Students

(S-N; prereq Grad student)

24131 001 LEC, instruction mode: Classroom, 1 cr

8102 Quantitative Research Methods

(A-F; credit will not be granted if credit already received for: DHA 8102)

20531 I001 DIS, 06:15pm-09:00pm W, McNH 250, STPAUL,
instruction mode: Classroom; Johnson PhD, Kim KP, 3 cr

8164 Innovation Theory and Analysis

(A-F only; credit will not be granted if credit already received for: DHA 8164)

31529 001 LEC, 03:00pm-05:45pm M, McNH 250, STPAUL,
instruction mode: Classroom; Hokanson, Brad, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13960 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14096 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14214 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14301 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13734 001 IND, instruction mode: Classroom, 1-24 cr

DEVELOPMENT STUDIES AND SOCIAL CHANGE (DSSC)

537 Heller Hall, 271-19th Ave So, West Bank Campus, Minneapolis, MN, 55455
612/624-8032, <http://www.icgc.umn.edu>

8111 Approaches to Knowledge and Truth: Ways of Knowing in Development Studies and Social Change

(S-N only; prereq Grad DSSC minor or instr consent)
18577 001 LEC, 09:40am-11:20am F, CarlSMgmt 2-228, instruction mode: Classroom; Skaria, Ajay, 2 cr

8211 Doctoral Research Workshop in Development Studies and Social Change

(S-N only; prereq Grad DSSC minor or instr consent)
13161 001 LEC, 09:30am-11:30am F, CarlSMgmt 1-136, instruction mode: Classroom; Brown, Karen, 2 cr

8212 Doctoral Research Workshop in Development Studies and Social Change

(S-N only; prereq Grad DSSC minor or instr consent)
26921 001 LEC, 02:30pm-03:20pm W, ROOM-TBA, 10/27/15-12/16/15, instruction mode: Classroom; Brown, Karen, 1 cr

8310 Topics in Development Studies and Social Change

(max crs 3; 3 repeats allowed; S-N; prereq Grad DSSC minor or instr consent)
13163 001 LEC, 11:15am-01:10pm Th, CarlSMgmt 1-122, 09/08/15-10/26/15, instruction mode: Classroom; Public History after Apartheid; Witz, Leslie, 1 cr

DOCTOR OF DENTAL SURGERY (DDS)

15-209 Malcolm Moos Health Sciences Tower, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9982, <http://www.dentistry.umn.edu>

6112 Periodontology II: Technique

(A-F only)
20080 001 LEC, 09:05am-09:55am F, Room TBA, TCEASTBANK, 08:00am-09:55am F, Room TBA, TCEASTBANK, instruction mode: Classroom; Danielson, Judy Ann, 2 cr

6141 Pediatric Dentistry Clinic

(A-F)
20159 001 FWK, instruction mode: Classroom; Yesil, Jasmine, 3.60 cr

6152 Oral and Maxillofacial Surgery I

(A-F)
20086 001 LEC, 07:30am-08:20am M, Room TBA, TCEASTBANK, 07:30am-08:20am F, Room TBA, TCEASTBANK, instruction mode: Classroom, 1.10 cr

6171 Orthodontics I

(A-F)
20087 001 LEC, 07:30am-08:20am WF, Room TBA, TCEASTBANK, 08:30am-09:20am M, Room TBA, TCEASTBANK, 07:30am-08:20am F, Moost 2-650, 08:30am-09:20am M, Room TBA, TCEASTBANK, 07:30am-08:20am F, PWB 2-470, 08:30am-09:20am F, Room TBA, TCEASTBANK, 08:30am-09:20am W, Room TBA, TCEASTBANK, 08:30am-09:20am F, Moost 2-650, 07:30am-09:20am T, Room TBA, TCEASTBANK, instruction mode: Classroom; Beyer, John Paul, 2.70 cr

6181 Orthodontic Clinic Rotation

(S-N only)
23270 001 FWK, instruction mode: Classroom; De Felipe, Nanci Lara, 0.20 cr

6213 Microbiology for Dental Students

(A-F only)
20075 001 LEC, 09:05am-09:55am MTWTh, Room TBA, TCEASTBANK, 08:00am-08:50am F, Room TBA, TCEASTBANK, 09:05am-09:55am MTWTh, Room TBA, TCEASTBANK, 09:05am-09:55am T, Room TBA, TCEASTBANK, 09:05am-09:55am MTWTh, Room TBA, TCEASTBANK, 09:05am-09:55am TWTh, Room TBA, TCEASTBANK, 09:05am-09:55am TWTh, Room

TBA, TCEASTBANK, 08:00am-08:50am F, Room TBA, TCEASTBANK, 09:05am-09:55am MW, Room TBA, TCEASTBANK, instruction mode: Classroom; Jardine, Paul James, 4 cr

6214 General Histology

(A-F only)
20049 001 LEC, 08:00am-12:00pm MTWThF, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 08:00am-12:00pm M, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 08:00am-09:50am Th, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-02:50pm F, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-02:50pm Th, Room TBA, TCEASTBANK, 08/03/15-01/08/16, instruction mode: Classroom, 3.70 cr

6231 Physical Evaluation I

(A-F; prereq 1st yr [DDS or DT student])
26619 001 LEC, 09:05am-09:55am TTh, Room TBA, TCEASTBANK, 09:05am-09:55am TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Rhodus, Nelson L, 2.90 cr

6234 Radiographic Interpretation

(A-F)
20074 001 LEC, 11:15am-12:05pm WTh, Room TBA, TCEASTBANK, 11:15am-12:05pm WTh, Room TBA, TCEASTBANK, 10:10am-11:00am Th, Room TBA, TCEASTBANK, 10:10am-11:00am Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 18682 DH 3234, 21042 DT 5231; Ahmad, Mansur; Conlin DDS, Robert E., 2 cr

6253 General & Systematic Pathology

(A-F)
23062 001 LEC, 10:10am-12:00pm MT, Room TBA, TCEASTBANK, 10:10am-11:00am W, Room TBA, TCEASTBANK, instruction mode: Classroom; Krafts MD, Kristine Pauline, 5 cr

6271 TMD & Orofacial Pain

(A-F only)
20928 001 LEC, 07:30am-08:20am Th, Room TBA, TCEASTBANK, 07:30am-08:20am Th, Room TBA, TCEASTBANK, 08:30am-09:20am Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Schiffman DDS, MS, Eric L, 0.80 cr

6337 Current Legal Issues for the New Dentist

(S-N)
20093 001 LEC, 07:45am-08:45am W, Room TBA, TCEASTBANK, 07:45am-08:35am MW, Moost 2-650, instruction mode: Classroom; Ryan, Mary-Lynn L, 2.10 cr

6340 Medical Emergencies and Patient Safety in the Dental Clinical Environment

(S-N)
24380 001 LEC, 07:45am-08:50am T, Room TBA, TCEASTBANK, 07:45am-08:50am T, Room TBA, TCEASTBANK, instruction mode: Classroom; Thierer DDS, Todd E, 0.50 cr

6362 Outreach Experiences II

(S-N)
23234 001 FWK, instruction mode: Classroom; Schulz DDS, Paul D, 2 cr

6411 Applied Dental Biomaterials

(A-F)
20079 001 LEC, 10:10am-11:00am Th, Room TBA, TCEASTBANK, 10:10am-11:00am Th, Room TBA, TCEASTBANK, 08:00am-08:50am W, Room TBA, TCEASTBANK, instruction mode: Classroom; Aparicio PhD, Conrado, 2 cr

6431 Oral Anatomy I

(A-F)
20053 001 LEC, 08:00am-08:50am MW, Room TBA, TCEASTBANK, 08:00am-08:50am MW, Room TBA, TCEASTBANK, 08:00am-08:50am F, Room TBA, TCEASTBANK, 08:00am-08:50am MW, Room TBA, TCEASTBANK, 08:00am-08:50am W, Room TBA, TCEASTBANK, 08:00am-08:50am F, Room TBA, TCEASTBANK, 08:00am-08:50am MW, Room TBA, TCEASTBANK, 08:00am-08:50am MW, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 20157 DT 5430; Madden, Michael John, 2 cr

6432 Oral Anatomy Laboratory I

(A-F)
20054 001 LAB, instruction mode: Classroom; Meets with: 20158 DT 5431, 2.90 cr

6433 Introduction to Psychomotor Skill Development I and II

(max crs 1.40; S-N)
20055 001 LAB MWF, Room TBA, instruction mode: Classroom; Phair, Craig B, 0.70 cr

6434 Operative Dentistry I

(A-F)
26762 001 LEC, instruction mode: Classroom, 1.70 cr

6436 Operative Dentistry II

(A-F)
20081 001 LEC, 01:00pm-01:50pm TTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm TTh, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm T, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm Th, Room TBA, TCEASTBANK, 08/03/15-01/08/16, 01:00pm-01:50pm Th, Room TBA, TCEASTBANK, 08/03/15-01/08/16, instruction mode: Classroom; Meets with: 21133 DT 5434; Phair, Craig B, 2.10 cr

6437 Operative Dentistry II Lab

(A-F)
20089 001 LAB, 02:00pm-04:50pm TTh, Moost 4TH FL WS, 08/03/15-01/08/16, instruction mode: Classroom; Phair, Craig B, 2.90 cr

6439 Operative Dentistry IV

(A-F)
20092 001 FWK, 08:30am-09:20am WF, Room TBA, TCEASTBANK, 08:30am-09:20am Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Zidan, Omar, 1.40 cr

6475 Preclinical Prosthodontics Techniques Lecture IV

(A-F)
20082 001 LEC, 01:00pm-01:50pm MW, Room TBA, TCEASTBANK, instruction mode: Classroom; Cook, Gary Eugene, 1.80 cr

6476 Preclinical Prosthodontic Technique Laboratory IV, Complete Dentures

(A-F)
20090 001 LAB, 02:00pm-04:30pm MW, Moost 4TH FL WS, instruction mode: Classroom; Cook, Gary Eugene, 2.30 cr

6496 Predoctoral Prosthodontic Honors Course

(S-N; meets HON req of Honors)
22033 001 LAB, 12:00pm-01:00pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Conrad, Heather Joan, 1.30 cr

6511 Foundations of Interprofessionalism, Communication, and Collaboration

(S-N)
21141 001 DIS, 01:30pm-03:30pm, TCEASTBANK, instruction mode: Classroom; Meets with: 21143 DH 4310, 21142 DT 5521; Quick, Karin, 1 cr

6601 Phillips Neighborhood Elective Volunteer Experience

(5 repeats allowed; NGA)
24721 001 FWK, instruction mode: Classroom; Shuman, Stephen K; Thompson, Chris C; Quick, Karin, 0 cr

6602 Harbor Lights Elective Volunteer Experience

(4 repeats allowed; NGA; prereq Must be in DDS program)
24551 001 FWK, instruction mode: Classroom; Johnson, Sara N; Shuman, Stephen K; Quick, Karin, 0 cr

6603 Elective Regional Volunteer Experience

(S-N)
24552 001 FWK, instruction mode: Classroom; Shuman, Stephen K; Johnson, Sara N; Quick, Karin, 0 cr

6605 Advanced Practice Management Elective

(max crs 2; S-N)
26885 001 LEC, 08:00am-08:50am Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Murphy, Michael David, 0-2 cr

6608 Elective Externship I

(Credit will not be granted if credit has been received for: DDS 6609, DDS 6610; max crs 5; S-N)
22039 001 FWK, instruction mode: Classroom; Quick, Karin, 1-5 cr

6609 Elective Externship II

(Credit will not be granted if credit has been received for: DDS 6608, DDS 6610; max crs 5; S-N)
22040 001 FWK, instruction mode: Classroom; Quick, Karin, 1-5 cr

6610 Elective Externship III

(Credit will not be granted if credit has been received for: DDS 6608, DDS 6609; max crs 5; S-N)
22041 001 FWK, instruction mode: Classroom; Quick, Karin, 1-5 cr

6611 Elective Externship IV

(max crs 25; 5 repeats allowed; S-N)
20185 001 FWK, instruction mode: Classroom; Quick, Karin, 1-5 cr

6612 Union Gospel Mission Volunteer Outreach Opportunity

(3 repeats allowed; S-N)
24720 001 FWK, instruction mode: Classroom; Schulz DDS, Paul D, 0 cr

6613 Endodontic Topics for the General Dentist

(S-N)
20182 001 LEC, 07:30am-08:30am T, Room TBA, TCEASTBANK, 07:30am-08:30am T, Room TBA, TCEASTBANK, 07:30am-08:30am T, Room TBA, TCEASTBANK, 07:30am-08:30am T, Room TBA, TCEASTBANK, 07:30am-08:30am T, Room TBA, TCEASTBANK, 07:30am-08:30am T, Room TBA, TCEASTBANK, 07:30am-08:30am T, Room TBA, TCEASTBANK, 07:30am-08:30am T, Room TBA, Samantha Harris, 0 cr

6615 Oral and Maxillofacial Pathology Independent Study

(max crs 2; S-N only)
17400 001 IND, instruction mode: Classroom; Rohrer, Michael D, 1 cr

6616 Advanced Simulation Clinic Elective I

(S-N)
22119 001 LAB, instruction mode: Classroom; Quick, Karin, 0.50 cr

6617 Advanced Simulation Clinic Elective II

(S-N)
22120 001 LAB, instruction mode: Classroom; Quick, Karin, 0.50 cr

6621 Introduction to CAD/CAM Restorations

(S-N)
20183 001 LEC, instruction mode: Classroom; Zidan, Omar, 2 cr

6622 EBD: Advanced Dental Materials for Esthetic & Digital Applications

(S-N; prereq DDS program)
24710 001 LEC, instruction mode: Classroom; Perdigao, Jorge; Zidan, Omar, 1 cr

6623 Oral Disease Clinic Elective

(S-N)
26659 001 FWK, instruction mode: Classroom, 0 cr

6631 DDS/PhD Research Elective I

(max crs 6; 3 repeats allowed; S-N)
24643 001 IND, instruction mode: Classroom; Herzberg, Mark C, 2 cr

6900 Dental Clinic

(max crs 25; S-N only)
19579 001 FWK, instruction mode: Classroom, 1-25 cr
19591 002 FWK, instruction mode: Classroom, 1-25 cr
19592 003 FWK, instruction mode: Classroom, 1-25 cr

6901 Essentials of Clinical Care DDS2

(S-N; prereq Must be enrolled in the Doctor of Dental Surgery Program.)
26906 001 FWK, instruction mode: Classroom; Thierer DDS, Todd E, 0 cr

6911 Essentials of Clinical Care: D3

(max crs 54; 3 repeats allowed; S-N)
20088 001 FWK MTWThF, Room TBA, instruction mode: Classroom; Nadeau, Richard D, 0-18 cr

6921 Essentials of Clinical Care: D4

(max crs 54; 3 repeats allowed; S-N)
20160 001 FWK MTWTh, Room TBA, instruction mode: Classroom; Nadeau, Richard D, 0-18 cr

DUTCH (Dtch)

320 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-2080, <http://www.gsd.umn.edu>

1001 Beginning Dutch

(Credit will not be granted if credit has been received for: DTCH 4001)
11947 I001 DIS, 04:40pm-06:50pm MW, FolH 10, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 13130 DTCH 4001; Oosterhoff, Jenneke, 5 cr

1003 Intermediate Dutch

(Credit will not be granted if credit has been received for: DTCH 4003; prereq 1002)
11948 I001 DIS, 04:40pm-06:50pm TTh, FolH 10, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 13131 DTCH 4003; Oosterhoff, Jenneke, 5 cr

3011W Conversation and Composition

(Credit will not be granted if credit has been received for: DTCH 4011; prereq 1004 or 4004 or instr consent; meets CLE req of Writing Intensive)
34531 I001 DIS, 04:40pm-07:10pm Th, FolH 118, instruction mode: Classroom; Oosterhoff, Jenneke, 3 cr

3993 Directed Studies

(max crs 12; 12 repeats allowed)
12267 001 IND, instruction mode: Classroom, 1-5 cr

4001 Beginning Dutch

(Credit will not be granted if credit has been received for: DTCH 1001; prereq 1004 in another language or passing score on LPE or grad student)
13130 I001 DIS, 04:40pm-06:50pm MW, FolH 10, instruction mode: Classroom; Meets with: 11947 DTCH 1001; Oosterhoff, Jenneke, 2 cr

4003 Intermediate Dutch

(Credit will not be granted if credit has been received for: DTCH 1003; prereq 1004 in another language or passing score on LPE or grad student)
13131 I001 DIS, 04:40pm-06:50pm TTh, FolH 10, instruction mode: Classroom; Meets with: 11948 DTCH 1003; Oosterhoff, Jenneke, 2 cr

4011 Conversation and Composition

(Credit will not be granted if credit has been received for: DTCH 3011W; prereq Grad student)
33879 001 DIS, instruction mode: Classroom; Oosterhoff, Jenneke, 2 cr

5993 Directed Studies

(max crs 12; 12 repeats allowed)
12268 001 IND, instruction mode: Classroom, 1-4 cr

EARLY MODERN STUDIES (EMS)

1030 Heller Hall, 271 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/625-6303, <http://www.cemh.umn.edu>

5500 Topics in Early Modern Studies

(max crs 6; prereq Grad student)
34916 001 LEC, instruction mode: Classroom, 3 cr

8100 Workshop in Early Modern Studies

(max crs 3; 3 repeats allowed; S-N; prereq instr consent)
20788 001 LEC, instruction mode: Primarily Online; - Conference/workshop, primarily online.; Shank, JB, 1-3 cr

8250 Seminar in Early Modern Studies

(max crs 6; prereq Grad student)
34917 001 LEC, instruction mode: Classroom, 3 cr

8500 Topics in Early Modern Studies

(max crs 6; prereq Grad student)

34918 001 LEC, instruction mode: Classroom, 3 cr

EARTH SCIENCES (ESci)

106 Pillsbury Hall, 310 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/624-1333, <http://www.esci.umn.edu>

1001 Earth and Its Environments

(Credit will not be granted if credit has been received for: ESCI 1101; meets CLE req of Environment; meets CLE req of Physical Sciences)
001 LEC, 11:15am-12:05pm MWF, NichH 275, instruction mode: Classroom; Registration in both a lecture AND a lab section is required.; Meets with: 13378 ESCI 1101; Kirkby, Kent Charles
002 LEC, 12:20pm-01:10pm MWF, NichH 275, instruction mode: Classroom; Registration in both a lecture AND a lab section is required.; Meets with: 17491 ESCI 1101; Revenaugh, Justin
003 LEC, 09:45am-11:00am TTh, NichH 275, instruction mode: Classroom; Registration in both a lecture AND a lab section is required.; Meets with: 17492 ESCI 1101; Kleinspehn, Karen L
1004 LEC, 06:30pm-09:00pm T, NichH 275, instruction mode: Classroom; Registration in both a lecture AND a lab section is required.; Meets with: 17493 ESCI 1101; Fayon, Annia
14034 101 LAB, 09:05am-11:00am M, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
14035 102 LAB, 01:25pm-03:20pm M, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
14036 103 LAB, 03:35pm-05:30pm M, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
17494 1104 LAB, 06:00pm-08:00pm M, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
14037 105 LAB, 11:15am-01:10pm T, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
14038 106 LAB, 01:25pm-03:20pm T, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
14039 107 LAB, 03:35pm-05:30pm T, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
14040 108 LAB, 09:05am-11:00am W, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
14041 109 LAB, 01:25pm-03:20pm W, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
14042 110 LAB, 03:35pm-05:30pm W, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
14043 1111 LAB, 06:00pm-08:00pm W, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
14044 112 LAB, 11:15am-01:10pm Th, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
19748 113 LAB, 01:25pm-03:20pm Th, FordH 185, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
1006 Oceanography
(Credit will not be granted if credit has been received for: GEO 5006, ESCI 1106; meets CLE req of Environment; meets CLE req of Physical Sciences)
001 LEC, 02:30pm-03:20pm MWF, RapsonH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required.; Meets with: 23642 ESCI 1106; Matsumoto, Katsumi
1002 LEC, 06:30pm-09:00pm W, NichH 275, instruction mode: Classroom; Registration in both a lecture AND a lab section is required.; Meets with: 22203 ESCI 1106; Seyfried Jr, William E
14045 101 LAB, 10:10am-12:05pm M, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab

section is required. Labs begin second week of classes., 4 cr
 14046 102 LAB, 12:20pm-02:15pm M, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
 18884 103 LAB, 03:35pm-05:30pm M, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
 22204 104 LAB, 09:05am-11:00am T, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes, 4 cr
 14047 105 LAB, 11:15am-01:10pm T, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
 14048 106 LAB, 01:25pm-03:20pm T, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
 22205 107 LAB, 03:35pm-05:30pm T, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes, 4 cr
 14049 108 LAB, 10:10am-12:05pm W, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
 14615 109 LAB, 12:20pm-02:15pm W, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes., 4 cr
 22206 110 LAB, 03:35pm-05:30pm W, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes, 4 cr
 22207 111 LAB, 09:05am-11:00am Th, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes, 4 cr
 22208 112 LAB, 11:15am-01:10pm Th, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes, 4 cr
 22209 113 LAB, 01:25pm-03:20pm Th, PillsH 100, instruction mode: Classroom; Registration in both a lecture AND a lab section is required. Labs begin second week of classes, 4 cr

1007 From Microbes to Mammoths: History of Life on Earth

(meets CLE req of Biological Sciences)

001 LEC, 09:45am-11:00am TTh, VinH 16, instruction mode: Classroom; Bailey, Jake; Fox, David L
 20300 101 LAB, 10:10am-12:05pm M, PillsH 105, instruction mode: Classroom; Labs begin the second week of classes., 4 cr
 20301 102 LAB, 12:20pm-02:15pm M, PillsH 105, instruction mode: Classroom; Labs begin the second week of classes., 4 cr
 20302 103 LAB, 02:30pm-04:25pm M, PillsH 105, instruction mode: Classroom; Labs begin the second week of classes., 4 cr
 20303 104 LAB, 11:15am-01:10pm T, PillsH 105, instruction mode: Classroom; Labs begin the second week of classes., 4 cr
 20304 105 LAB, 01:25pm-03:20pm T, PillsH 105, instruction mode: Classroom; Labs begin the second week of classes., 4 cr
 20305 107 LAB, 09:05am-11:00am W, PillsH 105, instruction mode: Classroom; Labs begin the second week of classes., 4 cr
 20497 108 LAB, 11:15am-01:10pm W, PillsH 105, instruction mode: Classroom; Labs begin the second week of classes., 4 cr
 21418 109 LAB, 01:25pm-03:20pm W, PillsH 105, instruction mode: Classroom; Labs begin the second week of classes., 4 cr

1012 Natural Hazards and Disasters

(meets CLE req of Technology and Society)

21391 001 LEC, 04:00pm-05:15pm MW, NichH 275, instruction mode: Classroom; Kirkby, Kent Charles, 3 cr

1101 Introduction to Geology

(Credit will not be granted if credit has been received for: ESCI 1001; meets CLE req of Environment)

13378 101 LEC, 11:15am-12:05pm MWF, NichH 275, instruction mode: Classroom; Meets with: 14030 ESCI 1001; Kirkby, Kent Charles, 3 cr
 17491 102 LEC, 12:20pm-01:10pm MWF, NichH 275, instruction mode: Classroom; Meets with: 14031 ESCI 1001; Revenaugh, Justin, 3 cr

17492 103 LEC, 09:45am-11:00am TTh, NichH 275, instruction mode: Classroom; Meets with: 14032 ESCI 1001; Kleinspehn, Karen L, 3 cr
 17493 104 LEC, 06:30pm-09:00pm T, NichH 275, instruction mode: Classroom; Meets with: 14033 ESCI 1001; Fayon, Annia, 3 cr

1106 Oceanography

(Credit will not be granted if credit has been received for: ESCI 1006, GEO 5006; meets CLE req of Environment)

23642 001 LEC, 02:30pm-03:20pm MWF, RapsonH 100, instruction mode: Classroom; For textbook, no access code required.; Meets with: 23641 ESCI 1006; Matsumoto, Katsumi, 3 cr
 22203 1002 LEC, 06:30pm-09:00pm W, NichH 275, instruction mode: Classroom; For textbook, no access code required.; Meets with: 22202 ESCI 1006; Seyfried Jr, William E, 3 cr

1901 Freshman Seminar: Environment

(max crs 6; A-F only; prereq freshman; meets CLE req of Environment)

17129 001 LEC, 10:10am-11:50am W, VinH 113, instruction mode: Classroom; Geology of Minnesota - Field trips: Sept 13 and Oct 3, 2015; 3-credits.; Thorleifson, Harvey, 3 cr
 25993 002 LEC, 10:10am-11:50am M, PillsH 121, 11:15am-12:05pm F, PillsH 121, instruction mode: Classroom; Polar Regions, 3 credits.; Teyssier, Christian, 3 cr

1905 Freshman Seminar

(max crs 6; A-F only; prereq freshman)

25060 001 LEC, 01:25pm-03:20pm W, PillsH 121, instruction mode: Classroom; Tsunamis; 2 cr.; Yuen, David A, 1-3 cr
 34613 002 LEC W, PillsH 121, instruction mode: Classroom; History in a Grain of Sand; 2 cr.; Hudleston, Peter John, 1-3 cr

2201 Solid Earth Dynamics

(A-F only; prereq Concurrent registration is required (or allowed) in PHYS 1301 or instr consent)

001 LEC, 01:00pm-02:15pm TTh, RapsonH 43, instruction mode: Classroom; Field trips; Teyssier, Christian; Moskowitz, Bruce Matthew
 11139 101 LAB, 09:05am-11:00am M, PillsH 125B, instruction mode: Classroom, 4 cr
 11140 102 LAB, 12:20pm-02:15pm M, PillsH 125B, instruction mode: Classroom, 4 cr
 24387 103 LAB, 03:35pm-05:30pm M, PillsH 125B, instruction mode: Classroom, 4 cr

2301 Mineralogy

(prereq [Concurrent registration is required (or allowed) in CHEM 1061, Concurrent registration is required (or allowed) in CHEM 1065, Concurrent registration is required (or allowed) in MATH 1271] or instr consent)

001 LEC, 02:30pm-03:20pm TTh, PillsH 110, instruction mode: Classroom; Whitney, Donna L; Hirschmann, Marc M
 11142 101 LAB, 09:05am-11:00am W, PillsH 125B, instruction mode: Classroom, 3 cr
 11143 102 LAB, 12:20pm-02:15pm W, PillsH 125B, instruction mode: Classroom, 3 cr
 24386 103 LAB, 03:35pm-05:30pm W, PillsH 125B, instruction mode: Classroom, 3 cr

3005 Earth Resources

34425 001 LEC, 09:05am-09:55am MW, PillsH 110, instruction mode: Classroom; Ito, Emi, 3 cr
 34426 101 DIS, 09:05am-09:55am T, PillsH 209, instruction mode: Classroom, 3 cr
 34427 102 DIS, 10:10am-11:00am T, PillsH 209, instruction mode: Classroom, 3 cr
 34430 103 DIS, 02:30pm-03:20pm T, PillsH 209, instruction mode: Classroom, 3 cr

3093 Problems in Earth Sciences: Junior

(max crs 6; 6 repeats allowed; prereq instr consent)

11550 001 IND, instruction mode: Classroom, 1-4 cr

3202 Fluid Earth Dynamics

(prereq Concurrent registration is required (or allowed) in 2201)

001 LEC, 01:00pm-02:15pm MW, RapsonH 58, instruction mode: Classroom; Concurrent enrollment in Geo 2201 PERMITTED; Kohlstedt, David L; Paola, Chris
 17497 101 DIS, 09:05am-11:00am F, PillsH 100, instruction mode: Classroom, 4 cr
 11145 102 DIS, 12:20pm-02:15pm F, PillsH 100, instruction mode: Classroom, 4 cr
 34433 103 DIS, 02:30pm-04:15pm F, PillsH 100, instruction mode: Classroom, 4 cr

3303W Geochemical Principles

(prereq [Concurrent registration is required (or allowed) in CHEM 1061, Concurrent registration is

required (or allowed) in CHEM 1065] or instr consent; meets CLE req of Writing Intensive)

001 LEC, 10:10am-11:00am MWF, PillsH 110, instruction mode: Classroom; Edwards, Lawrence
 21393 101 DIS, 11:15am-01:10pm T, PillsH 209, instruction mode: Classroom, 4 cr
 21717 102 DIS, 01:25pm-03:20pm T, PillsH 209, instruction mode: Classroom, 4 cr
 34454 103 DIS, 03:35pm-05:30pm T, PillsH 209, instruction mode: Classroom, 4 cr

3425 Atmospheric Pollution: From Smog to Climate Change

(A-F only; prereq [CHEM 1061, PHYS 1101W, Math 1142] or 1271 or instr consent)

22710 001 LEC, instruction mode: Classroom; Meets with: 21852 ESPM 3425, 3 cr

4010 Undergraduate Seminar: Current Topics in Earth Sciences

(max crs 12; 12 repeats allowed; prereq instr consent)

11551 001 LEC, instruction mode: Classroom; Departmental Seminars, 1-4 cr

4093 Problems in Earth Sciences: Senior

(max crs 6; 6 repeats allowed; prereq instr consent)

11552 001 IND, instruction mode: Classroom, 1-4 cr

4094 Senior Thesis

(max crs 4; prereq Sr, Geo or ESci major, instr consent)

11553 001 IND, instruction mode: Classroom, 2 cr

4103W Fossil Record of Mammals

(A-F only; meets CLE req of Writing Intensive)

34455 001 LEC, 01:00pm-02:15pm TTh, PillsH 110, instruction mode: Classroom; Fox, David L, 3 cr

4203 Principles of Geophysical Exploration

(prereq Phys 1302)

11482 001 LEC, 10:10am-11:00am MWF, PillsH 209, instruction mode: Classroom; Meets with: 34485 ESCI 8203; Moskowitz, Bruce Matthew; Revenaugh, Justin, 3 cr

4211 Solid Earth Geophysics I

(A-F only; prereq 2201, Phys 1302)

11481 001 LEC, 11:15am-12:30pm TTh, PillsH 121, instruction mode: Classroom; Yuen, David A, 3 cr

4501 Structural Geology

(prereq 2201, 2302)

001 LEC, 02:30pm-03:20pm MW, PillsH 110, instruction mode: Classroom; Required field trips; Meets with: 34456 ESCI 8501; Hudleston, Peter John
 11147 101 LAB, 09:05am-11:00am Th, PillsH 125B, instruction mode: Classroom; Meets with: 34457 ESCI 8501, 3 cr
 11148 102 LAB, 11:15am-01:10pm Th, PillsH 125B, instruction mode: Classroom; Meets with: 34458 ESCI 8501, 3 cr
 34460 103 LAB, 01:25pm-03:20pm Th, PillsH 125B, instruction mode: Classroom; Meets with: 34459 ESCI 8501, 3 cr

4703 Glacial Geology

(prereq 1001 or instr consent)

001 LEC, 11:15am-12:05pm MW, PillsH 209, instruction mode: Classroom; Jennings, Carrie Ellen; Wickert, Andy
 34497 101 LAB, 01:25pm-04:25pm F, PillsH 105, instruction mode: Classroom; 2of3 field trips required; field trip dates: Sept 25-26, Oct 9-10, Oct 30-31, 2015, 4 cr

5353 Electron Microprobe Theory and Practice

(Credit will not be granted if credit has been received for: MATS 5353; prereq [One yr chem, one yr physics] or instr consent)

001 LEC, 11:15am-12:05pm W, PillsH 121, instruction mode: Classroom; Meets with: 24336 MATS 5353; von der Handt, Anette
 25107 101 LAB, 08:00am-09:45am Th, PillsH 20, instruction mode: Classroom; Meets with: 20922 MATS 5353; von der Handt, Anette, 3 cr
 25108 102 LAB, 10:10am-11:55am Th, PillsH 20, instruction mode: Classroom; Meets with: 20923 MATS 5353; von der Handt, Anette, 3 cr
 25109 103 LAB, 01:40pm-03:25pm Th, PillsH 20, instruction mode: Classroom; Meets with: 20924 MATS 5353; von der Handt, Anette, 3 cr

5601W Advanced Sedimentology

(prereq 4602 or instr consent; meets CLE req of Writing Intensive)

34516 001 LEC, 01:00pm-02:15pm TTh, PillsH 121, instruction mode: Classroom; Kleinspehn, Karen L, 4 cr

8001 Introductory Graduate Seminar

(S-N only; prereq Grad student status in earth sci)
21888 !001 LEC, 07:00pm-08:30pm W, PillsH 121, instruction mode: Classroom; Hirschmann, Marc M, 2 cr

8203 Principles of Geophysical Exploration (prereq Phys 1302 or equivalent)

34485 001 LEC, 10:10am-11:00am MWF, PillsH 209, instruction mode: Classroom; Meets with: 11482 ESCI 4203; Moskowitz, Bruce Matthew; Revenaugh, Justin, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
13973 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14109 001 IND, instruction mode: Classroom, 1 cr

8501 Structural Geology (prereq 2301 or instr consent)

34456 001 LEC, 02:30pm-03:20pm MW, PillsH 110, instruction mode: Classroom; Meets with: 11146 ESCI 4501; Hudleston, Peter John, 4 cr
34457 101 LAB, 09:05am-11:00am Th, PillsH 125B, instruction mode: Classroom; Meets with: 11147 ESCI 4501, 4 cr
34458 102 LAB, 11:15am-01:10pm Th, PillsH 125B, instruction mode: Classroom; Meets with: 11148 ESCI 4501, 4 cr
34459 103 LAB, 01:25pm-03:20pm Th, PillsH 125B, instruction mode: Classroom; Meets with: 34460 ESCI 4501, 4 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14227 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14312 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13747 001 IND, instruction mode: Classroom, 1-24 cr

8980 Seminar: Current Topics in Earth Sciences

(max crs 30; 30 repeats allowed; S-N only; prereq instr consent)
12240 001 LEC, 03:35pm-05:00pm Th, PillsH 110, instruction mode: Classroom; Departmental Seminars; S/N only; Hirschmann, Marc M, 1-4 cr

8994 Research in Earth Sciences

(max crs 30; 30 repeats allowed; prereq instr consent)
12241 001 IND, instruction mode: Classroom, 1-4 cr

EAST ASIAN STUDIES (EAS)

214 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-9007, <http://igs.cla.umn.edu>

3461 Introduction to East Asia I: The Imperial Age

(Credit will not be granted if credit has been received for: HIST 3461; max crs 4)
001 LEC, 09:45am-11:00am MW, BlegH 130, instruction mode: Classroom; Meets with: 11018 HIST 3461; Wang, Liping
25714 002 DIS, 11:15am-12:05pm W, BlegH 260, instruction mode: Classroom; Meets with: 25685 HIST 3461; , 4 cr
25715 003 DIS, 12:20pm-01:10pm W, BlegH 330, instruction mode: Classroom; Meets with: 25686 HIST 3461; , 4 cr

3468 Social Change in Modern China

(Credit will not be granted if credit has been received for: HIST 3468, HIST 5468)
18479 001 LEC, 01:00pm-02:15pm MW, BlegH 110, instruction mode: Classroom; Meets with: 25750 ALL 3920, 18478 HIST 3468; Wang, Liping, 3 cr

3471 Modern Japan, Meiji to the Present (1868-2000)

(Credit will not be granted if credit has been received for: HIST 3471, ALL 3478; meets CLE req of Historical Perspectives)
15536 001 LEC, 11:15am-12:30pm TTh, BlegH 110, instruction mode: Classroom; Meets with: 11804 HIST 3471; Mizuno, Hiromi, 3 cr

ECHOCARDIOGRAPHY (Echo)

University of Minnesota Rochester, 300 University Square, 111 South Broadway, Rochester, MN, 55904
507/258-8457, r.umn.edu

3011 Foundations of Echocardiography

(A-F; meets CLE req of Technology and Society)
001 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Miller, Sally Jean
21988 002 LAB, 08/07/15-06/15/16, instruction mode: Classroom; Miller, Sally Jean, 4 cr

3301 Clinical Practicum I

(A-F)
21989 001 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Miller, Sally Jean, 9 cr

4111 Ultrasound Physics I

(A-F)
23911 001 LEC, instruction mode: Classroom; Miller, Sally Jean, 2 cr

4211 Congenital Heart Disease I

(A-F)
22136 001 LEC, instruction mode: Classroom; Miller, Sally Jean, 2 cr

4401 Clinical Practicum IV

(A-F)
22137 001 FWK, instruction mode: Classroom; Miller, Sally Jean, 9 cr

ECOLOGY, EVOLUTION, AND BEHAVIOR (EEB)

100 Ecology Building, 1987 Upper Buford Circle, St Paul Campus, St Paul, MN, 55108
612/625-5700, <http://www.cbs.umn.edu/eeb>

3001 Ecology and Society

(Credit will not be granted if credit has been received for: BIOL 3407, BIOL 5407, BIOL 3807, BIOL 3408W, EEB 3407, EEB 5407, EEB 3408W; A-F only; prereq [Jr or sr] recommended; biological sciences students may not apply cr toward major; meets CLE req of Environment)
11411 001 LEC, 12:50pm-01:40pm MWF, HodsonH 490, STPAUL, instruction mode: Classroom; Powers, Jennifer Sarah, 3 cr

3407 Ecology

(Credit will not be granted if credit has been received for: EEB 3001, BIOL 3407, BIOL 5407, BIOL 3807, BIOL 3408W, EEB 5407, EEB 3408W; prereq [Math 1142, 1241, 1271 or equivalent])
001 LEC, 08:30am-09:20am MW, BorH 335, STPAUL, instruction mode: Classroom; Meets with: 34254 EEB 5407; Lehman, Clarence
34228 002 LAB, 09:35am-12:35pm T, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34255 EEB 5407; , 3 cr
34229 003 LAB, 01:55pm-04:55pm T, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34256 EEB 5407; , 3 cr
34230 004 LAB, 12:50pm-03:50pm W, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34257 EEB 5407; , 3 cr
34231 005 LAB, 09:35am-12:35pm Th, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34258 EEB 5407; , 3 cr
34232 006 LAB, 01:55pm-04:55pm Th, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34259 EEB 5407; , 3 cr
34233 007 LAB, 09:35am-12:35pm F, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34260 EEB 5407; , 3 cr

3409 Evolution

(Credit will not be granted if credit has been received for: BIOL 3409, BIOL 5409, BIOL 2822, BIOL 3809, EEB 5409; prereq One semester college biology)

001 LEC, 10:40am-11:30am MW, HodsonH 495, STPAUL, instruction mode: Classroom; Meets with: 34280 EEB 5409; Curtsinger, James W; Zink, Robert Martin
34236 002 LAB, 09:35am-12:35pm T, BioSci 245, STPAUL, instruction mode: Classroom; Meets with: 34281 EEB 5409, 3 cr
34241 003 LAB, 01:55pm-04:55pm T, BioSci 245, STPAUL, instruction mode: Classroom; Meets with: 34282 EEB 5409, 3 cr
34242 004 LAB, 01:55pm-04:55pm W, BioSci 245, STPAUL, instruction mode: Classroom; Meets with: 34283 EEB 5409, 3 cr
34244 005 LAB, 08:30am-11:30am F, BioSci 245, STPAUL, instruction mode: Classroom; Meets with: 34284 EEB 5409, 3 cr

3411 Introduction to Animal Behavior

(Credit will not be granted if credit has been received for: BIOL 3411, BIOL 3811, BIOL 3411W, EEB 3412W; prereq One semester of college biology)

001 LEC, 09:35am-10:25am MW, GrnH 110, STPAUL, instruction mode: Classroom; Bee, Mark Allen
34247 002 LAB, 12:50pm-03:50pm W, BioSci 151, STPAUL, instruction mode: Classroom; , 3 cr
34248 003 LAB, 08:30am-11:30am Th, BioSci 151, STPAUL, instruction mode: Classroom, 3 cr
34249 004 LAB, 12:50pm-03:50pm Th, BioSci 151, STPAUL, instruction mode: Classroom, 3 cr
34251 1005 LAB, 04:30pm-07:30pm Th, BioSci 151, STPAUL, instruction mode: Classroom, 3 cr
34252 006 LAB, 09:35am-12:35pm F, BioSci 151, STPAUL, instruction mode: Classroom, 3 cr

4129 Mammalogy

(Credit will not be granted if credit has been received for: FW 4129; A-F only; prereq Biol 1001 or Biol 2012)

001 LEC, 10:15am-11:30am TTh, HodsonH 490, STPAUL, instruction mode: Classroom; Jansa, Sharon A; Wells, Michael Thomas; Lyons, Marta P
14694 002 LAB, 01:00pm-04:00pm T, Ecology 160, STPAUL, instruction mode: Classroom; Jansa, Sharon A; Wells, Michael Thomas; Lyons, Marta P, 4 cr
14695 003 LAB, 09:35am-12:35pm W, Ecology 160, STPAUL, instruction mode: Classroom; Jansa, Sharon A; Wells, Michael Thomas; Lyons, Marta P, 4 cr
16839 004 LAB, 01:00pm-04:00pm Th, Ecology 160, STPAUL, instruction mode: Classroom; Jansa, Sharon A; Wells, Michael Thomas; Lyons, Marta P, 4 cr

4329 Primate Ecology and Social Behavior

(A-F only; prereq BIOL 1009 or BIOL 2002 or BIOL 3411 or ANTH 1001 or instr consent)

001 LEC, instruction mode: Classroom
25092 002 DIS, instruction mode: Classroom, 3 cr
25093 003 DIS, instruction mode: Classroom, 3 cr

4330W Animal Communication

(A-F only; prereq BIOL 2002, BIOL 2003/2004, BIOL 3411, PHYS 1201W, PHYS 1202W [PHYS 1301W, PHYS 1302W]; meets CLE req of Writing Intensive)
34285 001 LEC MW, Room TBA, instruction mode: Classroom; Bee, Mark Allen, 3 cr

4609W Ecosystem Ecology

(prereq Biol 3407 or instr consent; meets CLE req of Environment; meets CLE req of Writing Intensive)

001 LEC, 09:35am-10:25am MW, HodsonH 490, STPAUL, instruction mode: Classroom; Meets with: 24128 EEB 5609; Hobbie, Sarah E
23380 002 DIS, 09:35am-10:25am F, Ecology 505, STPAUL, instruction mode: Classroom; Hobbie, Sarah E; O'Connell, Christine Sierra; Winikoff, Sarah Gillian, 3 cr

4793W Directed Studies: Writing Intensive

(max crs 7; 7 repeats allowed; S-N only; prereq instr consent , dept consent; meets CLE req of Writing Intensive)

14401 001 IND, instruction mode: Classroom; Cotner, James B, 1-7 cr

4794W Directed Research: Writing Intensive

(max crs 42; 7 repeats allowed; S-N only; prereq instr consent , dept consent; meets CLE req of Writing Intensive)

14402 001 IND, instruction mode: Classroom; Cotner, James B; Snell-Rood, Emilie; Travisano, Michael; Jansa, Sharon A, 1-6 cr

4993 Directed Studies

(max crs 7; 7 repeats allowed; S-N only; prereq instr consent , dept consent)

13392 001 IND, instruction mode: Classroom; Cotner, James B, 1-7 cr

4994 Directed Research

(max crs 42; 7 repeats allowed; S-N; prereq instr consent , dept consent)

13393 001 IND, instruction mode: Classroom; Oberhauser, Karen S; Wilson, Michael Lawrence; Cotner, James B; Borer, Elizabeth; Cavender-Bares, Jeannine Marie; Cotner, Sehoya H; Finlay, Jacques C; Hobbie, Sarah E; Zuk, Marlene; Katagiri, Fumiaki; Powers, Jennifer Sarah; Seabloom, Eric; Snell-Rood, Emilie; Stephens, David William; Travisano, Michael, 1-6 cr

5042 Quantitative Genetics

(A-F; prereq [BIOL 4003 or GCD 3022] or instr consent ; a course in statistics is

17951 001 LEC, 08:45am-10:00am TTh, McNH 146, STPAUL, instruction mode: Classroom; Shaw, Ruth Geyer, 3 cr

5053 Ecology: Theory and Concepts

(prereq Biol 3407 or instr consent)

34905 001 LEC TTh, Ecology 505, instruction mode: Classroom; Tilman, David, 4 cr

5407 Ecology

(Credit will not be granted if credit has been received for: EEB 3001, BIOL 3407, BIOL 5407, BIOL 3807, BIOL 3408W, EEB 3407, EEB 3408W; prereq [Math 1142, 1241, 1271 or equivalent])

001 LEC, 08:30am-09:20am MW, BorH 335, STPAUL, instruction mode: Classroom; Meets with: 34227 EEB 3407; Lehman, Clarence

34255 002 LAB, 09:35am-12:35pm T, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34228 EEB 3407; , 3 cr

34256 003 LAB, 01:55pm-04:55pm T, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34229 EEB 3407; , 3 cr

34257 004 LAB, 12:50pm-03:50pm W, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34230 EEB 3407; , 3 cr

34258 005 LAB, 09:35am-12:35pm Th, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34231 EEB 3407; , 3 cr

34259 006 LAB, 01:55pm-04:55pm Th, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34232 EEB 3407; , 3 cr

34260 007 LAB, 09:35am-12:35pm F, BioSci 6, STPAUL, instruction mode: Classroom; Meets with: 34233 EEB 3407; , 3 cr

5409 Evolution

(Credit will not be granted if credit has been received for: BIOL 3409, BIOL 5409, BIOL 2822, BIOL 3809, EEB 3409; prereq One semester college biology)

34280 001 LEC, 10:40am-11:30am MW, HodsonH 495, STPAUL, instruction mode: Classroom; Meets with: 34234 EEB 3409; Curtsinger, James W; Zink, Robert Martin, 3 cr

34281 002 LAB, 09:35am-12:35pm T, BioSci 245, STPAUL, instruction mode: Classroom; Meets with: 34236 EEB 3409, 3 cr

34282 003 LAB, 01:55pm-04:55pm T, BioSci 245, STPAUL, instruction mode: Classroom; Meets with: 34241 EEB 3409, 3 cr

34283 004 LAB, 01:55pm-04:55pm W, BioSci 245, STPAUL, instruction mode: Classroom; Meets with: 34242 EEB 3409, 3 cr

34284 005 LAB, 08:30am-11:30am F, BioSci 245, STPAUL, instruction mode: Classroom; Meets with: 34244 EEB 3409, 3 cr

5601 Limnology

(prereq Grad student or instr consent)

21367 001 LEC, 11:45am-01:00pm TTh, AlderH 415, STPAUL, instruction mode: Classroom; Finlay, Jacques C, 3 cr

5609 Ecosystem Ecology

(prereq [Biol 3407 or Biol 5407] or instr consent)

001 LEC, 09:35am-10:25am MW, HodsonH 490, STPAUL, instruction mode: Classroom; Meets with: 23379 EEB 4609W; Hobbie, Sarah E

24129 002 DIS, 09:35am-10:25am Th, Ecology 505, STPAUL, instruction mode: Classroom; Hobbie, Sarah E; Winikoff, Sarah Gillian; O'Connell, Christine Sierra, 3 cr

8201 Graduate Foundations in Ecology, Evolution and Behavior Semester 1

(A-F; prereq Grad student in Ecology, Evolution and Behavior)

23111 001 LEC, 11:30am-01:00pm MW, Ecology 150, STPAUL, 01:00pm-02:15pm F, Ecology 505, STPAUL,

instruction mode: Classroom; Travisano, Michael; Zuk, Marlene; Seabloom, Eric, 4 cr

8301 Prelim Proposal Writing Seminar

(S-N; prereq EEB gradu Student)

26362 001 DIS, 04:00pm-04:50pm M, Ecology 505, STPAUL, instruction mode: Classroom; Prelim Proposal Writing Seminar

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13964 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14100 001 IND, instruction mode: Classroom, 1 cr

8500 NSF GRF Graduate Research Fellowship Proposal Writing Seminar

(max crs 2; S-N; prereq EEB grad student only)

22449 001 LEC, 12:50pm-01:40pm T, Ecology 505, STPAUL, instruction mode: Classroom; Lanyon, Scott Merrill, 1 cr

8550 Graduate Research Fellowship Proposal Writing Seminar

(max crs 2; S-N)

22450 001 LEC, 12:20pm-01:10pm M, AmundH 116, instruction mode: Classroom; Lanyon, Scott Merrill, 1 cr
22451 002 LEC, 11:45am-12:35pm T, BioSci 12, STPAUL, instruction mode: Classroom; Lanyon, Scott Merrill, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14219 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14304 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13739 001 IND, instruction mode: Classroom, 1-24 cr

8980 Seminar on Current Topics

(max crs 30; 10 repeats allowed; S-N; prereq EEB grad student)

14480 1001 LEC, 05:00pm-05:45pm W, Ecology 505, STPAUL, instruction mode: Classroom; Lab Tours; Finlay, Jacques C, 1-3 cr

25862 002 LEC, 03:30pm-04:20pm W, RuttanH B22, STPAUL, instruction mode: Classroom; EEB Dept Seminar - registration for EEB graduate students only.; Finlay, Jacques C, 1-3 cr

14743 003 LEC, instruction mode: Classroom, 1-3 cr

15205 004 LEC, instruction mode: Classroom, 1-3 cr

18010 006 LEC, instruction mode: Classroom, 1-3 cr

18011 007 LEC, instruction mode: Classroom, 1-3 cr

18498 008 LEC, instruction mode: Classroom, 1-3 cr

19512 009 LEC, instruction mode: Classroom, 1-3 cr

8990 Graduate Seminar

(max crs 30; 10 repeats allowed; prereq instr consent)

12424 001 LEC, instruction mode: Classroom; Community Genetics; Shaw, Ruth Geyer, 1-3 cr

13668 002 LEC, instruction mode: Classroom; Systematics Discussion Group; Barker, Fredrick K, 1-3 cr

25871 003 LEC, instruction mode: Classroom, 1-3 cr

14554 004 LEC, instruction mode: Classroom, 1-3 cr

15321 005 LEC, instruction mode: Classroom, 1-3 cr

15350 006 LEC, instruction mode: Classroom; , 1-3 cr

15357 007 LEC, instruction mode: Classroom, 1-3 cr

17016 008 LEC, instruction mode: Classroom, 1-3 cr

8991 Independent Study: Ecology, Evolution, and Behavior

(max crs 10; 10 repeats allowed; prereq instr consent)

12425 001 IND, instruction mode: Classroom, 1-10 cr

8994 Directed Research

(max crs 10; 10 repeats allowed; S-N only; prereq instr consent)

12426 001 IND, instruction mode: Classroom, 1-5 cr

20247 002 IND, instruction mode: Classroom, 1-5 cr

ECONOMICS (Econ)

4-101 Hanson Hall, 1925 4th Street South, West Bank Campus, Minneapolis, MN, 55455
612/625-6353, <http://www.econ.umn.edu>

1101 Principles of Microeconomics

(Credit will not be granted if credit has been received for: APEC 1101, ECON 1104, ECON 1101H, APEC 1101H; prereq knowledge of plane geometry and advanced algebra; credit will not be granted if credit received for: 1104, 1111, ApEc 1101; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

001 LEC, 09:05am-09:55am MWF, WilleyH 175, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.

12172 002 DIS, 10:10am-11:00am W, CarlSMgmt 1-127, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; CSOM freshmen only; 35 seats reserved for CSOM Freshman, 4 cr

12173 003 DIS, 10:10am-11:00am W, HHHctr 15, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr

12174 004 DIS, 10:10am-11:00am W, BlegH 330, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr

12175 005 DIS, 10:10am-11:00am W, BlegH 425, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr

12176 006 DIS, 11:15am-12:05pm W, BlegH 140, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr

12177 007 DIS, 11:15am-12:05pm W, HHHctr 35, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr

12178 008 DIS, 11:15am-12:05pm W, HHHctr 15, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr

12179 009 DIS, 11:15am-12:05pm W, HHHctr 60, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr

12180 010 DIS, 12:20pm-01:10pm W, CarlSMgmt 2-219, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr

12181 011 DIS, 12:20pm-01:10pm W, CarlSMgmt 1-127, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr

12182 012 DIS, 01:25pm-02:15pm W, HHHctr 184, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr

12183 013 DIS, 01:25pm-02:15pm W, BlegH 240, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr

22462 014 DIS, 01:25pm-02:15pm W, BlegH 140, instruction mode: Classroom; 35 seats reserved for CSOM Freshman, 4 cr

22463 016 DIS, 02:30pm-03:20pm W, BlegH 140, instruction mode: Classroom; 35 seats reserved for CSOM Freshman, 4 cr

017 LEC, 10:10am-11:00am MWF, WilleyH 175, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.

12185 018 DIS, 08:00am-08:50am F, BlegH 115, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr

12186 019 DIS, 11:15am-12:05pm F, BlegH 425, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr

12187 020 DIS, 11:15am-12:05pm F, BlegH 240, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr

12188 021 DIS, 11:15am-12:05pm F, BlegH 230, instruction mode: Classroom; This course has common midterm

- exams that take place in the evening and a common final exam., 4 cr
- 12189 022 DIS, 08:00am-08:50am F, BlegH 205, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 12190 025 DIS, 09:05am-09:55am F, BlegH 205, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 12191 026 DIS, 09:05am-09:55am F, BlegH 260, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr
- 12192 027 DIS, 09:05am-09:55am F, BlegH 115, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 12193 028 DIS, 01:25pm-02:15pm F, BlegH 205, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 12194 029 DIS, 01:25pm-02:15pm F, BlegH 260, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 12195 030 DIS, 01:25pm-02:15pm F, BlegH 115, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr
- 13534 032 DIS, 12:20pm-01:10pm F, BlegH 140, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 15297 033 DIS, 12:20pm-01:10pm F, BlegH 115, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 22464 034 DIS, 02:30pm-03:20pm W, BlegH 125, instruction mode: Classroom; 35 seats reserved for CSOM Freshman, 4 cr
- 18758 035 DIS, 12:20pm-01:10pm F, BlegH 125, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.; 35 seats reserved for CSOM Freshman, 4 cr
- 1036 LEC, 05:15pm-07:45pm W, BlegH 330, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam..
- 14659 037 DIS, 07:55pm-08:45pm W, BlegH 205, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 1040 LEC, 05:15pm-07:45pm T, HMH 1-111, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 14660 041 DIS, 07:55pm-08:45pm T, BlegH 260, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 1042 LEC, 05:15pm-07:45pm W, BlegH 205, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 14661 043 DIS, 07:55pm-08:45pm W, BlegH 260, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 044 LEC, 04:00pm-05:15pm TTh, CarlSMgmt 1-127, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 14663 045 DIS, 05:30pm-06:20pm Th, HHCtr 60, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 1054 LEC, 05:30pm-08:00pm Th, HHCtr 35, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 15303 055 DIS, 08:10pm-09:00pm Th, BlegH 115, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 062 LEC, 04:00pm-05:15pm TTh, HMH 1-102, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 19878 063 DIS, 05:30pm-06:20pm Th, CarlSMgmt 1-127, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 19879 065 DIS, 05:30pm-06:20pm T, BlegH 335, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 066 LEC, 04:00pm-05:15pm TTh, HMH 1-109, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 20010 067 DIS, 05:30pm-06:20pm T, BlegH 330, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 20011 068 DIS, 05:30pm-06:20pm Th, BlegH 335, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 20233 071 DIS, 07:55pm-08:45pm T, BlegH 115, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 072 LEC, 08:00am-08:50am MWF, HMH 1-107, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 20679 074 DIS, 02:30pm-03:20pm W, BlegH 330, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 20878 075 DIS, 12:20pm-01:10pm W, BlegH 125, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 20879 076 DIS, 09:05am-09:55am F, BlegH 145, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 20880 077 DIS, 10:10am-11:00am W, BlegH 140, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 1102 Principles of Macroeconomics**
(Credit will not be granted if credit has been received for: APEC 1102, ECON 1105, ECON 1102H, APEC 1102H; prereq [1101 or equiv], knowledge of plane geometry and advanced algebra; credit will not be granted if credit received for: 1105, 1112, ApEc 1102)
- 001 LEC, 08:15am-09:30am TTh, AndH 210, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 12201 002 DIS, 11:15am-12:05pm W, BlegH 240, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 12202 003 DIS, 11:15am-12:05pm W, CarlSMgmt 1-127, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 12203 004 DIS, 10:10am-11:00am W, BlegH 225, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 12204 005 DIS, 09:05am-09:55am W, BlegH 125, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 28859 006 DIS, 10:10am-11:00am W, BlegH 125, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 12205 007 DIS, 01:25pm-02:15pm W, BlegH 335, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 1030 LEC, 05:15pm-07:45pm W, BlegH 260, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 14664 031 DIS, 07:55pm-08:45pm W, BlegH 115, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 032 LEC, 04:00pm-05:15pm TTh, HMH 1-103, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 14665 033 DIS, 05:30pm-06:20pm T, BlegH 145, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 20012 036 DIS, 05:30pm-06:20pm Th, BlegH 330, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam., 4 cr
- 1039 LEC, 05:15pm-07:45pm T, HHCtr 15, instruction mode: Classroom; This course has common midterm exams that take place in the evening and a common final exam.
- 27382 040 DIS, 07:55pm-08:45pm T, BlegH 110, instruction mode: Classroom, 4 cr
- 1905 Freshman Seminar**
- (A-F; prereq Freshman)
- 24179 001 LEC, 09:45am-11:00am MW, BlegH 260, instruction mode: Classroom, 3 cr
- 3101 Intermediate Microeconomics**
(Credit will not be granted if credit has been received for: APEC 3001, ECON 3105, ECON 3101H; prereq [[1101, 1102] or equiv], [MATH 1271 or equiv])
- 001 LEC, 01:00pm-02:15pm TTh, WilleyH 175, instruction mode: Classroom
- 11673 002 DIS, 08:00am-08:50am F, BlegH 125, instruction mode: Classroom; 30 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 11674 004 DIS, 09:05am-09:55am F, BlegH 140, instruction mode: Classroom; 30 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 13825 005 DIS, 09:05am-09:55am F, BlegH 125, instruction mode: Classroom; 30 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 11675 006 DIS, 10:10am-11:00am F, BlegH 140, instruction mode: Classroom; 30 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 22331 007 DIS, 10:10am-11:00am F, BlegH 125, instruction mode: Classroom; 30 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 22332 008 DIS, 11:15am-12:05pm F, BlegH 220, instruction mode: Classroom; 30 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 22406 009 DIS, 11:15am-12:05pm F, BlegH 140, instruction mode: Classroom; 30 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 26835 010 DIS, 08:00am-08:50am F, BlegH 145, instruction mode: Classroom; 30 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 3102 Intermediate Macroeconomics**
(Credit will not be granted if credit has been received for: APEC 3006, ECON 3102H; prereq 3101 or equiv)
- 11676 002 LEC, 01:00pm-02:15pm MW, BlegH 230, instruction mode: Classroom; 45 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 11677 003 LEC, 05:30pm-08:00pm T, CarlSMgmt 1-132, instruction mode: Classroom; 45 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 19975 004 LEC, 04:00pm-05:15pm TTh, HMH 1-104, instruction mode: Classroom; 70 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 26759 005 LEC, 08:15am-09:30am TTh, BlegH 415, instruction mode: Classroom; 35 seats reserved for Economics majors, soph, jr, sr, 4 cr
- 3951 Major Project Seminar**
(A-F; prereq 3101, 3102, STAT 3011, [STAT 3022 or equiv], two [3xxx or 4xxx] ECON courses, at least one 4xxx ECON writing intensive course, freshman writing requirement satisfied)
- 11678 001 IND, 08:15am-09:30am WF, HMH 1-109, instruction mode: Classroom; INSTRUCTOR TO SET UP MEETING SCHEDULE.; 70 seats reserved for Economics majors; jr or sr, 2 cr
- 3960 Topics in Economics**
(max crs 6; prereq [1101, 1102] or equiv)
- 11679 001 LEC, 04:00pm-05:15pm MW, BlegH 220, instruction mode: Classroom; 40 seats reserved for Economics majors, soph, jr, sr, 3 cr
- 3991 Independent Study**
(max crs 3; A-F only; prereq 3101, 3102, dept consent)
- 11680 001 IND, instruction mode: Classroom, 1-3 cr
- 3993 Directed Studies**
(max crs 3; prereq 3101, 3102, 4261, two semesters of statistics)
- 11681 001 IND, instruction mode: Classroom, 1-3 cr
- 4100W Undergraduate Writing in Economics**
(max crs 2; A-F only; prereq 3101, [Concurrent registration is required (or allowed) in 4831 or Concurrent registration is required (or allowed) in economics honors course], freshman writing practice completed, instr consent; meets CLE req of Writing Intensive)
- 14692 001 LEC, 02:30pm-03:20pm M, BlegH 140, instruction mode: Classroom; Students need to be concurrently enrolled in an Economics honors course or in Econ 4831.
- 4108 Advanced Game Theory and Applications**
(A-F; prereq [[3101, 3102]] or equiv], [[MATH 1271, MATH 1272] or equiv])
- 33942 001 LEC, 04:00pm-05:15pm MW, BlegH 235, instruction mode: Classroom; 45 seats reserved for Economics Majors - BS, sr; 5 seats reserved for Econ honors student; 5 seats reserved for honors student, 4 cr

4109H Honors Course: Game Theory and Applications

(A-F; prereq [[3101, 3102]] or equiv), [[MATH 1271, MATH 1272] or equiv]; meets HON req of Honors
11682 001 LEC, instruction mode: Classroom, 4 cr

4118 Advanced Mathematical Economics

(Credit will not be granted if credit has been received for: ECON 4113H; A-F; prereq [3101, 3102 or equiv], [MATH 1271, MATH 1272, MATH 2243 or equiv])
33946 001 LEC, instruction mode: Classroom, 4 cr

4161 Microeconomic Analysis

(prereq 3101, 3102, MATH 2243, MATH 2263, [[STAT 4101, STAT 4102] or equiv], dept consent)
001 LEC, 02:30pm-03:45pm TTh, BlegH 430, 09/08/15-10/26/15, instruction mode: Classroom; Undergraduate students must have instructor permission before registering for this sequence of course.; Meets with: 11950 ECON 8001
12246 002 DIS, 04:00pm-05:15pm T, BlegH 145, 09/08/15-10/26/15, instruction mode: Classroom; Meets with: 11951 ECON 8001, 2 cr

4162 Microeconomic Analysis

(A-F only; prereq 3101, 3102, 4161, MATH 2243, MATH 2263, [[STAT 4101, STAT 4102] or equiv], dept consent)
001 LEC, 02:30pm-03:45pm TTh, BlegH 335, 10/27/15-12/16/15, instruction mode: Classroom; Meets with: 11971 ECON 8002
12249 002 DIS, 04:00pm-05:15pm T, BlegH 145, 10/27/15-12/16/15, instruction mode: Classroom; Meets with: 11972 ECON 8002, 2 cr

4165 Macroeconomic Theory

(prereq 3101, 3102, MATH 2243, MATH 2263, [[STAT 4101, STAT 4102] or equiv], dept consent)
001 LEC, 02:30pm-03:45pm TTh, HMH 1-111, 09/08/15-10/26/15, instruction mode: Classroom; Meets with: 11975 ECON 8105
12256 002 DIS, 04:00pm-05:15pm T, HMH 1-107, 09/08/15-10/26/15, instruction mode: Classroom; Meets with: 11976 ECON 8105, 2 cr

4166 Macroeconomic Theory

(prereq 3101, 3102, 4165, MATH 2243, MATH 2263, [[STAT 4101, STAT 4102] or equiv], dept consent)
001 LEC, 02:30pm-03:45pm TTh, HMH 1-111, 10/27/15-12/16/15, instruction mode: Classroom; Meets with: 11977 ECON 8106
12258 002 DIS, 04:00pm-05:15pm T, HMH 1-111, 10/27/15-12/16/15, instruction mode: Classroom; Meets with: 11978 ECON 8106, 2 cr

4211 Principles of Econometrics

(prereq [3101 or equiv], [Stat 3011, Stat 3022] or equiv or higher level Stat courses), familiarity with computers)
001 LEC, 01:25pm-02:15pm MWF, BlegH 125, instruction mode: Classroom
11684 002 DIS, 02:30pm-03:20pm M, BlegH 125, instruction mode: Classroom; 40 seats reserved for Economics majors; jr or sr, 4 cr

4261 Introduction to Econometrics

(A-F only; prereq [3101 or equiv], [[Math 1271, Math 1272] or equiv], Math 2243, Math 2263, [[Stat 4101, Stat 4102] or [Stat 5101, Stat 5102]]; Math 4242 strongly recommended)
001 LEC, 04:00pm-05:15pm TTh, BlegH 10, instruction mode: Classroom
11686 002 DIS, 05:30pm-06:20pm Th, BlegH 145, instruction mode: Classroom; 40 seats reserved for Economics majors; jr or sr, 4 cr
20874 004 DIS, 06:50pm-07:40pm Th, BlegH 125, instruction mode: Classroom; 40 seats reserved for Economics majors; jr or sr, 4 cr
22315 005 DIS, 05:30pm-06:20pm Th, BlegH 140, instruction mode: Classroom; 40 seats reserved for Math major [BS or BA] with sub, 4 cr

4311 Economy of Latin America

(prereq [1101, 1102] or equiv)
22005 001 LEC, 05:30pm-08:00pm M, HMH 1-111, instruction mode: Classroom; 70 seats reserved for Economics majors, soph, jr, sr, 3 cr

4331W Economic Development

(Credit will not be granted if credit has been received for: ECON 4301; prereq [3101, 3102] or equiv), completion of freshman writing practice; meets CLE req of Writing Intensive)
13826 001 LEC, 05:15pm-07:45pm Th, HMH 1-107, instruction mode: Classroom; 70 seats reserved for Economics majors; jr or sr, 3 cr
15806 002 LEC, 04:00pm-05:15pm MW, BlegH 145, instruction mode: Classroom; 40 seats reserved for Economics majors; jr or sr, 3 cr

4337 Comparative Economic Systems

(Credit will not be granted if credit has been received for: ECON 4307; prereq 3101, 3102 or equiv)
15614 001 LEC, 06:00pm-08:30pm T, HMH 1-107, instruction mode: Classroom; 70 seats reserved for Economics majors; jr or sr, 3 cr

4401 International Economics

(prereq [[1101, 1102] or equiv], not open to econ majors; meets CLE req of Global Perspectives)
11662 001 LEC, 02:30pm-03:45pm TTh, BlegH 205, instruction mode: Classroom, 3 cr

4431W International Trade

(Credit will not be granted if credit has been received for: ECON 4431V, ECON 4438W; prereq [3101, 3102] or equiv, freshman writing practice; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)
11688 001 LEC, 11:15am-12:30pm TTh, BlegH 145, instruction mode: Classroom; 40 seats reserved for Economics majors; jr or sr, 3 cr

4531 Labor Economics

(Credit will not be granted if credit has been received for: ECON 3501; prereq 3101, 3102 or equiv)
11689 001 LEC, 01:00pm-02:15pm TTh, HMH 1-111, instruction mode: Classroom; 70 seats reserved for Economics majors; jr or sr, 3 cr

4631 Industrial Organization and Antitrust Policy

(Credit will not be granted if credit has been received for: ECON 4631H, ECON 3601, ECON 4638; prereq 3101 or equiv)
22428 001 LEC, 09:45am-11:00am TTh, HMH 1-107, instruction mode: Classroom; 70 seats reserved for Economics majors; jr or sr, 3 cr

4721 Money and Banking

(Credit will not be granted if credit has been received for: ECON 3701, ECON 4721H, ECON 4728; prereq [3101, 3102] or equiv)
11690 001 LEC, 01:00pm-02:15pm TTh, AndH 350, instruction mode: Classroom; 70 seats reserved for Economics majors; jr or sr, 3 cr
20876 002 LEC, 02:30pm-03:45pm MW, HMH 1-103, instruction mode: Classroom; 70 seats reserved for Economics majors; jr or sr, 3 cr

4741H Honors: Quantitative Analysis of the Macroeconomy

(prereq [[3101, 3102] or equiv], [Stat 3011 or equiv]; meets HON req of Honors)
26213 001 LEC, instruction mode: Classroom, 4 cr

4748 Advanced Quantitative Analysis of the Macroeconomy

(A-F; prereq [[3101, 3102] or equiv], [Stat 3011 or equiv])
33943 001 LEC, 09:45am-11:00am TTh, BlegH 110, instruction mode: Classroom; 35 seats reserved for Economics Majors - BS, sr; 5 seats reserved for Econ honors student; 5 seats reserved for honors student, 4 cr

4751 Financial Economics

(Credit will not be granted if credit has been received for: ECON 4751H, ECON 4758; prereq [3101 or equiv], [MATH 1271 or equiv], one sem statistics)
15182 001 LEC, 08:15am-09:30am TTh, HMH 1-103, instruction mode: Classroom; 70 seats reserved for Economics majors; jr or sr, 3 cr
22429 002 LEC, 08:15am-09:30am TTh, BlegH 255, instruction mode: Classroom; 70 seats reserved for Economics majors; jr or sr, 3 cr

4821 Public Economics

(Credit will not be granted if credit has been received for: ECON 3801; prereq [3101, 3102] or equiv)
11691 001 LEC, 02:30pm-03:45pm TTh, HHHctr 25, instruction mode: Classroom; 40 seats reserved for Economics majors; jr or sr, 3 cr

4831 Cost-Benefit Analysis

(Credit will not be granted if credit has been received for: ECON 4611H; prereq 3101 or equiv)
11692 001 LEC, 08:15am-09:30am MW, HMH 1-103, instruction mode: Classroom; 70 seats reserved for Economics majors; jr or sr, 3 cr

4960H Advanced Topics in Economics Honors

(max crs 8; A-F; prereq [[3101, 3102] or equiv], MATH 1271; may change based on topic; meets HON req of Honors)

22922 001 LEC, instruction mode: Classroom; Topic; 4 cr

4968 Advanced Topics in Labor Economics

(max crs 8; A-F; prereq [[3101, 3102] or equiv], MATH 1271, [Stat 3011 or equiv], successfully complete at least two 4xxx level UMNTC economics courses.)
33941 001 LEC, 02:30pm-03:45pm TTh, BlegH 110, instruction mode: Classroom; 35 seats reserved for Economics Majors - BS, sr; 5 seats reserved for Econ honors student; 5 seats reserved for honors student, 4 cr

4993 Directed Study

(max crs 4; prereq dept consent)
11693 001 IND, instruction mode: Classroom; Econ 4993 is for Economics Honors theses only., 1-4 cr

5890 Economics of the Health-Care System

(Credit will not be granted if credit has been received for: PUBH 6832; A-F only; prereq 3101 or instr consent)
14722 001 LEC, 09:45am-11:00am TTh, BlegH 115, instruction mode: Classroom; This is a Masters' level course. Economics Majors with a 3.6 or higher GPA should contact Dr. Simran Sahi for the possibility of obtaining a course permission number.; Meets with: 10894 PUBH 6832, 3 cr

8001 Microeconomic Analysis

(prereq 5151 or equiv, Math 2243, Math 2263 or equiv or instr consent)
001 LEC, 02:30pm-03:45pm TTh, BlegH 430, 09/08/15-10/26/15, instruction mode: Classroom; Meets with: 12245 ECON 4161
11951 002 DIS, 04:00pm-05:15pm T, BlegH 145, 09/08/15-10/26/15, instruction mode: Classroom; Meets with: 12246 ECON 4161, 2 cr

8002 Microeconomic Analysis (prereq 8001)

001 LEC, 02:30pm-03:45pm TTh, BlegH 335, 10/27/15-12/16/15, instruction mode: Classroom; Meets with: 12248 ECON 4162
11972 002 DIS, 04:00pm-05:15pm T, BlegH 145, 10/27/15-12/16/15, instruction mode: Classroom; Meets with: 12249 ECON 4162, 2 cr

8101 Microeconomic Theory

(prereq 5151 or equiv, Math 2243 or equiv, concurrent enrollment Math 5615 or concurrent registration in Math 8601, grad econ major or instr consent)
001 LEC, 09:45am-11:00am TTh, BlegH 220, 09/08/15-10/26/15, instruction mode: Classroom
11974 002 DIS, 04:00pm-05:15pm Th, CarlSMgmt 2-219, 09/08/15-10/26/15, instruction mode: Classroom; 22 seats reserved for Econ grad major, 2 cr

8102 Microeconomic Theory

(prereq 8101, concurrent enrollment Math 5615 or concurrent enrollment Math 8601, grad econ major or instr consent)
001 LEC, 09:45am-11:00am TTh, BlegH 220, 10/27/15-12/16/15, instruction mode: Classroom
11970 002 DIS, 04:00pm-05:15pm Th, CarlSMgmt 1-136, 10/27/15-12/16/15, instruction mode: Classroom; 22 seats reserved for Econ grad major, 2 cr

8105 Macroeconomic Theory

(prereq 5152 or equiv, Math 2243, Math 2263 or equiv or instr consent)
001 LEC, 02:30pm-03:45pm TTh, HMH 1-111, 09/08/15-10/26/15, instruction mode: Classroom; Meets with: 12255 ECON 4165
11976 002 DIS, 04:00pm-05:15pm T, HMH 1-107, 09/08/15-10/26/15, instruction mode: Classroom; 22 seats reserved for Econ grad major; Meets with: 12256 ECON 4165, 2 cr

8106 Macroeconomic Theory

(prereq 8105)
001 LEC, 02:30pm-03:45pm TTh, HMH 1-111, 10/27/15-12/16/15, instruction mode: Classroom; Meets with: 12257 ECON 4166
11978 002 DIS, 04:00pm-05:15pm T, HMH 1-111, 10/27/15-12/16/15, instruction mode: Classroom; 22 seats reserved for Econ grad major; Meets with: 12258 ECON 4166, 2 cr

8185 Advanced Topics in Macroeconomics

(max crs 4; prereq 8108 or instr consent)
26790 001 LEC, 01:30pm-03:10pm W, HMH 4-190, instruction mode: Classroom, 2 cr
19628 002 LEC, 02:00pm-05:20pm M, HMH 4-170, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

8191 Workshop in Mathematical Economics

(max crs 10; 10 repeats allowed; prereq 8104 or instr consent)

11985 001 LEC, 02:30pm-04:30pm F, HMH 4-168, instruction mode: Classroom, 1-3 cr
 21983 002 LEC, 06:00pm-08:00pm T, HMH 4-168, instruction mode: Classroom, 1-3 cr

8205 Applied Econometrics

(prereq Math 4242 or equiv, concurrent enrollment Econ 8101, concurrent enrollment Econ 8105, concurrent enrollment Stat 5101 or instr consent)
 001 LEC, 11:15am-12:30pm MW, BlegH 425, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr
 11980 002 DIS, 12:20pm-02:00pm F, BlegH 330, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

8206 Applied Econometrics

(prereq 8205, concurrent enrollment 8102, concurrent enrollment 8106, concurrent enrollment Stat 5101 or instr consent)
 001 LEC, 11:15am-12:30pm MW, BlegH 425, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr
 11982 002 DIS, 12:20pm-02:00pm F, BlegH 330, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

8311 Economic Growth and Development

(prereq 8104, 8106 or instr consent)
 23014 001 LEC, 03:30pm-05:10pm MW, HMH 4-168, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

8312 Economic Growth and Development

(prereq 8311 or instr consent)
 33924 001 LEC, 03:30pm-05:10pm MW, HMH 4-168, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
 13961 001 IND, instruction mode: Classroom, 1 cr

8391 Workshop in Economic Growth and Development

(max crs 10; 10 repeats allowed; prereq instr consent)
 15299 001 LEC, 05:30pm-07:00pm W, HMH 4-190, instruction mode: Classroom, 1-3 cr

8401 International Trade and Payments Theory

(prereq 8103, 8105 or instr consent)
 23188 001 LEC, 05:30pm-07:30pm TTh, HMH 4-190, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

8402 International Trade and Payments Theory

(prereq 8401 or instr consent)
 33923 001 LEC, 05:30pm-07:30pm TTh, HMH 4-190, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
 14097 001 IND, instruction mode: Classroom, 1 cr

8491 Workshop in Trade and Development

(max crs 10; 10 repeats allowed; prereq instr consent)
 12016 001 LEC, 03:30pm-06:00pm F, BlegH 210, instruction mode: Classroom, 1-3 cr

8501 Wages and Employment

(max crs 4; prereq 8102, 8106 or instr consent)
 26353 001 LEC, 09:05am-10:45am TTh, HMH 4-168, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

8502 Wages and Employment

(prereq 8501 or instr consent)
 33922 001 LEC, 09:05am-10:45am TTh, HMH 4-168, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

8601 Industrial Organization and Government Regulation

(prereq 8102 or instr consent)
 11983 001 LEC, 02:30pm-04:10pm TTh, HMH 4-190, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

8602 Industrial Organization and Government Regulation

(prereq 8601 or instr consent)
 11984 001 LEC, 02:30pm-04:10pm TTh, HMH 4-190, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
 14215 001 IND, instruction mode: Classroom, 1-6 cr

8691 Workshop in Applied Microeconomics

(max crs 10; 10 repeats allowed; prereq instr consent)
 12167 002 LEC, 12:00pm-01:30pm T, HMH 4-190, instruction mode: Classroom, 1-3 cr

8701 Monetary Economics

(prereq 8103, 8106 or instr consent)
 23321 001 LEC, 02:15pm-05:40pm F, HMH 4-170, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

8791 Workshop in Macroeconomics

(max crs 10; 10 repeats allowed; prereq instr consent)
 26032 001 LEC, 09:45am-11:45am T, HMH 4-190, 01:30pm-03:30pm Th, CarlSMgmt 1-136, instruction mode: Classroom, 1-3 cr
 26346 002 LEC, 05:30pm-07:30pm Th, HMH 4-168, instruction mode: Classroom, 1-3 cr

8801 Public Economics

(max crs 4; prereq 8103, 8106 or instr consent)
 26457 001 LEC, 12:20pm-02:00pm TTh, HMH 4-170, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr
 23189 002 LEC, 12:20pm-02:00pm TTh, HMH 4-170, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
 13735 001 IND, instruction mode: Classroom, 1-24 cr

8990 Individual Graduate Research

(max crs 7; prereq instr consent)
 12976 001 IND, instruction mode: Classroom, 1-7 cr

EDUCATION (Educ)

104 Burton Hall, 178 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
 612/626-9252, <http://cehd.umn.edu/>

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
 13962 001 IND, instruction mode: Classroom; Work, Community, and Family Education, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
 14098 002 IND, instruction mode: Classroom; Work, Community, and Family Education, 1 cr
 14099 003 IND, instruction mode: Classroom; Recreation, Park, and Leisure Studies, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
 14216 002 IND, instruction mode: Classroom; Work, Community, and Family Education, 1-6 cr
 14217 003 IND, instruction mode: Classroom; Recreation, Park, and Leisure Studies, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
 14302 001 IND, instruction mode: Classroom; Work, Community, and Family Education, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
 13736 002 IND, instruction mode: Classroom; Work, Community, and Family Education, 1-24 cr
 13737 003 IND, instruction mode: Classroom; Recreation, Park, and Leisure Studies, 1-24 cr

EDUCATIONAL PSYCHOLOGY (EPsy)

250 Education Science Building, 56 East River Road, East Bank Campus, Minneapolis, MN, 55455
 612/624-6083, <http://cehd.umn.edu/EdPsych/>

1905 Freshman Seminar

(max crs 6; prereq Fr)

17775 001 LEC, 11:30am-02:15pm M, PeikH 325, instruction mode: Classroom; Examination of the basic components of chess, computer-based chess, how chess players think, including visual-spatial thinking and critical thinking, the psychology of critical thinking and other 21st Century reasoning skills, and research on chess cognition.; Bart, William M, 1-3 cr; OPN; Beginners' Chess and 21st Century Skills

2601 Understanding Differences, Disabilities and the Career of Special Education

(A-F)
 25865 001 LEC, 12:20pm-02:15pm T, PeikH 31, instruction mode: Classroom; This class is designed to meet in class T and Th for the first 3 weeks. Starting the 4th week; student will meet in class on T and on a practicum site on Th morning.; Hupp, Susan Candis, 4 cr

3101 Creativity and Intelligence: an Introduction

(Credit will not be granted if credit has been received for: EPSY 5101; OPN)

22541 001 LEC, instruction mode: Correspondence; This is a semester-long online course with an initial optional on-campus meeting Tuesday, September 8th, 6:00-7:30pm (room TBA). Contact the instructor if you cannot attend.; Meets with: 15587 EPSY 5101; Bart, William M, 3 cr

3119 Learning, Cognition, and Assessment

(Credit will not be granted if credit has been received for: EPSY 5001; A-F only)

001 LEC, 02:30pm-03:45pm T, AmundH B75, instruction mode: Classroom; Meets with: 13358 EPSY 5001
 23925 002 LAB, 02:30pm-03:45pm Th, RapsonH 58, instruction mode: Classroom; 15 seats reserved for Elementary Education: Foundati; Meets with: 23912 EPSY 5001, 3 cr
 23926 003 LAB, 02:30pm-03:45pm Th, FolH 112, instruction mode: Classroom; 15 seats reserved for Elementary Education: Foundati; Meets with: 23913 EPSY 5001, 3 cr
 25829 004 LAB, 02:30pm-03:45pm Th, NichH 315, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Meets with: 25826 EPSY 5001, 3 cr

3132 Psychology of Multiculturalism in Education

(A-F only; meets CLE req of Diversity and Soc Justice US)

19228 001 LEC, 11:15am-12:30pm TTh, EltH N647, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Hansen-Burke, Annie, 3 cr

3133 Practicum: Service Learning, Psychology of Multiculturalism in Education

(max crs 3; 3 repeats allowed; prereq [3132 or Concurrent registration is required (or allowed) in 3132], instr consent, enrollment in APECS minor)

20161 001 FWK, instruction mode: Independent/Directed Studies; Must be enrolled in the APECS minor. Contact instructor for permission to register.; delMas, Robert Claude, 1-3 cr

3264 Basic and Applied Statistics

(Credit will not be granted if credit has been received for: EPSY 5231, EPSY 5261; meets CLE req of Mathematical Thinking)

21701 001 LEC, 01:00pm-02:15pm MW, STSS 512A, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S, 3 cr
 21702 002 LEC, 09:45am-11:00am TTh, STSS 530B, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Zieffler PhD, Andrew S, 3 cr
 21703 003 LEC, 01:00pm-02:15pm TTh, STSS 512A, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S, 3 cr
 15881 004 LEC, instruction mode: Correspondence; This is a semester-long online course with an initial optional on-campus meeting Friday, September 11th from 11:00am-12:00pm in 325 Peik Hall.; 1 seat reserved for Integrated Degree Program B S, 3 cr

3301 Introduction to Educational Psychology

(Credit will not be granted if credit has been received for: EPSY 5114; OPN; meets CLE req of Social Sciences)

19042 001 LEC, 09:45am-11:00am TTh, BuH 123, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Varma, Sashank, 3 cr

3302 Introduction to Communication Skills for Educational and Community Settings

(OPN)

19920 001 LEC, 02:30pm-03:45pm TTh, RapsonH 13, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; , 3 cr

3303 Educational Psychology**Undergraduate Research Practicum (max crs 6; A-F only; prereq 3264, minor in applied psychology for educational/community settings)**

21239 001 FWK, instruction mode: Classroom; Must be enrolled in APECS minor. Contact instructor for permission to register.; delMas, Robert Claude, 3 cr

3701 Practicum: Field Experience in Special Education

(Credit will not be granted if credit has been received for: EPsy 5701; max crs 24; 12 repeats allowed; S-N; prereq instr consent)

25868 001 FWK, instruction mode: Classroom; O'Neill, Charissa Valentine, 1-2 cr

5001 Learning, Cognition, and Assessment

(Credit will not be granted if credit has been received for: EPsy 3119; prereq MEd/initial licensure student or CLA music ed or preteaching major or instr consent ; psych course recommended)

001 LEC, 02:30pm-03:45pm T, AmundH B75, instruction mode: Classroom; Meets with: 23927 EPsy 3119

23912 002 LAB, 02:30pm-03:45pm Th, RapsonH 58, instruction mode: Classroom; 15 seats reserved for Elementary Education: Foundati; Meets with: 23925 EPsy 3119, 3 cr

23913 003 LAB, 02:30pm-03:45pm Th, FolH 112, instruction mode: Classroom; Meets with: 23926 EPsy 3119, 3 cr
25826 004 LAB, 02:30pm-03:45pm Th, NichH 315, instruction mode: Classroom; Meets with: 25829 EPsy 3119, 3 cr

5016 Teaching Students with Special Needs in Inclusive Settings

(A-F; prereq Enrolled in teacher initial licensure program)

22521 1001 LEC, 04:40pm-07:20pm W, PeikH 48, 09/09/15-09/09/15, 04:40pm-07:20pm W, PeikH 48, 09/16/15-09/16/15, 04:40pm-07:20pm W, PeikH 48, 09/30/15-09/30/15, 04:40pm-07:20pm W, PeikH 48, 10/14/15-10/14/15, 04:40pm-07:20pm W, PeikH 48, 10/28/15-10/28/15, 04:40pm-07:20pm W, PeikH 48, 11/18/15-11/18/15, 04:40pm-07:20pm W, PeikH 48, 12/02/15-12/02/15, instruction mode: Classroom; Not cohort specific - however you should enroll in the same section for both summer and fall terms.instruction mode: partially online , 1 credit , Pre-req - must be enrolled in an initial licensure program. This is a two sequence course. ILP candidates enroll in EDHD5015 summer term and EDHD5016 fall term. Field Experience is an essential component of this course. English Ed candidates note: this course meets the week before Thanksgiving; , 1 cr

22522 002 LEC, 04:40pm-07:20pm Th, PeikH 215, 09/10/15-09/10/15, 04:40pm-07:30pm Th, PeikH 215, 09/24/15-09/24/15, 04:40pm-07:30pm Th, PeikH 215, 10/08/15-10/08/15, 04:40pm-07:30pm Th, PeikH 215, 10/22/15-10/22/15, 04:40pm-07:30pm Th, PeikH 215, 11/05/15-11/05/15, 04:40pm-07:30pm Th, PeikH 215, 11/19/15-11/19/15 Th, Room TBA, 12/03/15-12/03/15, instruction mode: Classroom; Must be enrolled in an teacher preparation initial licensure program;nstruction mode: partially online , 1 credit , Pre-req - must be enrolled in an initial licensure program. This is a two sequence course. ILP candidates enroll in EDHD5015 summer term and EDHD5016 fall term. Field Experience is an essential component of this course., 1 cr

5101 Intelligence and Creativity

(Credit will not be granted if credit has been received for: EPsy 3101; A-F only)

15587 001 LEC, instruction mode: Correspondence; This is a semester-long online course with an initial optional on-campus meeting Tuesday, September 8th, 6:00-7:30pm (room TBA). Contact the instructor if you cannot attend.; 5 seats reserved for non-PSEO, non-admitted student; Meets with: 22541 EPsy 3101; Bart, William M, 3 cr

5114 Psychology of Student Learning

(Credit will not be granted if credit has been received for: EPsy 3301; A-F only)

10837 001 LEC, 02:30pm-05:10pm W, NichH 335, instruction mode: Classroom; 3 seats reserved for non-PSEO, non-admitted student; Varma, Keisha, 3 cr

5115 Psychology of Adult Learning and Instruction

13931 1001 LEC, 04:40pm-07:20pm T, ApH 226, instruction mode: Classroom; 3 seats reserved for non-PSEO, non-admitted student; Tennyson PhD, Robert D, 3 cr

5135 Human Relations Workshop

13910 001 LEC, instruction mode: Correspondence; This is a semester-long online course with an initial optional on-campus meeting Wednesday, September 9th, 2:00-3:00pm (room TBA). Contact the instructor if you cannot attend. This course is approved to meet the MN Department of Education requirement for licensure.; 5 seats reserved for non-PSEO, non-admitted student; Pabon, Maria, 4 cr

5157 Social Psychology of Education

(A-F only)

22542 001 LEC, 09:45am-11:00am MW, BuH 123, instruction mode: Classroom; Maruyama, Geoffrey M, 3 cr

5216 Introduction to Research in Educational Psychology and Human Development

(A-F only; prereq 5261 or intro statistics course)

11035 001 DIS, 02:30pm-05:15pm M, SmithH 111, instruction mode: Classroom; Kendeou, Panayiota A., 3 cr

5221 Principles of Educational and Psychological Measurement

14609 001 LEC, 02:30pm-03:45pm MW, Elth N647, instruction mode: Classroom; Davenport Jr, Ernest C, 3 cr
22543 002 LEC, 08:15am-09:30am WF, STSS 530B, instruction mode: Classroom; 35 seats reserved for EPsy MA student with CSPP subp; Davison, Mark L, 3 cr

5243 Principles and Methods of Evaluation

(Credit will not be granted if credit has been received for: OLPD 5501)

15538 001 LEC, 09:45am-11:00am TTh, PeikH 225, instruction mode: Classroom; Meets with: 10452 OLPD 5501, 3 cr

15539 002 LEC, instruction mode: Correspondence; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 10474 OLPD 5501; Yeh, Stuart S, 3 cr

5244 Survey Design, Sampling, and Implementation

(prereq [5221 or 5231 or 5261 or equiv], [CEHD grad student or MEd student])

15115 1001 LEC, 04:40pm-07:20pm W, Elth N647, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Rodriguez, Michael C., 3 cr

5247 Qualitative Methods in Educational Psychology

(prereq Grad student)

15540 1001 LEC, 04:40pm-07:30pm M, PeikH 325, instruction mode: Classroom; Lawrenz, Frances P, 3 cr

5261 Introductory Statistical Methods

(Credit will not be granted if credit has been received for: EPsy 5231, EPsy 3264)

14382 001 LEC, 04:00pm-05:15pm TTh, STSS 512A, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student, 3 cr

22544 002 LEC, 09:45am-11:00am WF, KHKH 2-260, instruction mode: Classroom; 35 seats reserved for EPsy MA student with CSPP subp, 3 cr

18321 003 LEC, instruction mode: Correspondence; This is a semester-long online course with an initial optional on-campus meeting Friday, September 11th, from 12:00-1:00pm in 325 Peik Hall.; 12 seats reserved for Dental Hygiene Graduate Studen, 3 cr

34434 004 LEC, instruction mode: Correspondence; This is a semester-long online course with an initial optional on-campus meeting Friday, September 11th, from 1:00-2:00pm in 325 Peik Hall., 3 cr

5262 Intermediate Statistical Methods

(prereq 3264 or 5261 or equiv)

17132 001 LEC, 02:30pm-03:45pm MW, WullH 220, instruction mode: Classroom; Brown, Jonathan Maas, 3 cr

5272 Statistics Teaching Internship

(max crs 3; 3 repeats allowed; S-N; prereq Grad student, instr consent)

17705 001 FWK, instruction mode: Independent/Directed Studies; Contact advisor for permission to register., 1-3 cr

5400 Special Topics in Counseling Psychology

(max crs 8; 8 repeats allowed)

22789 001 LEC, 02:30pm-04:25pm T, PeikH 315, instruction mode: Classroom; Topic prereq - CSPP students or graduate students with instr consent; Ohrtman, Marguerite, 1-4 cr

5436 Crisis Management and Consulting in Schools

(A-F only; prereq CSPP grad student in school counselor program or instr consent)

15218 1001 LEC, 04:40pm-07:20pm Th, SmithH 121, instruction mode: Classroom; Ohrtman, Marguerite, 3 cr

5461 Cross-Cultural Counseling

(A-F only)

10987 1001 LEC, 06:00pm-08:40pm M, BuH 125, instruction mode: Classroom; , 3 cr

5609 Family-centered Services

(A-F only)

15195 1001 LEC, 04:40pm-06:20pm Th, RapsonH 15, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S, 2 cr

5611W Research-based Practices in Academic and Behavior Disabilities

(A-F; meets CLE req of Writing Intensive)

23909 1001 LEC, 04:40pm-07:20pm Th, BuH 123, instruction mode: Classroom; 5 seats reserved for Integrated Degree Program B S; Seifert PhD, Kathy, 3 cr

5613 Foundations of Special Education I (A-F only; meets CLE req of Diversity and Soc Justice US)

10676 001 LEC, 01:00pm-02:15pm TTh, PeikH 375, instruction mode: Classroom; Elementary Education Foundations majors only., 3 cr

10677 002 LEC, 01:00pm-02:15pm TTh, WullH 240, instruction mode: Classroom; Elementary Education Foundations majors only.; Kunkel, Amy Katherine, 3 cr
19869 1003 LEC, 04:40pm-07:20pm T, Elth N647, instruction mode: Classroom; M.Ed, ECSE, and non degree students only.Elementary Education Foundations major

5616 Classroom Management and Behavior Analytic Problem Solving

10667 001 LEC, 02:30pm-03:45pm TTh, Elth N647, instruction mode: Classroom; Elementary Education Foundations majors only.; 1 seat reserved for Integrated Degree Program B S; Kunkel, Amy Katherine, 3 cr
13933 002 LEC, 02:30pm-03:45pm TTh, PeikH 225, instruction mode: Classroom; Elementary Education Foundations majors only., 3 cr
19870 1003 LEC, 04:40pm-07:20pm M, ApH 3, instruction mode: Classroom; M.Ed, ECSE, and non degree students only. Elementary Education Foundations major

5618 Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language

(A-F only)

25168 1001 DIS, 04:40pm-07:20pm W, BuH 123, instruction mode: Classroom; Pierce, Becca L., 3 cr

5619 Specialized Interventions in Mathematics for Students with Mild to Moderate Disabilities

(A-F)

23928 1001 LEC, 04:40pm-07:20pm M, ApH 11, instruction mode: Classroom, 3 cr

5625 Education of Infants, Toddlers, and Preschool Children with Disabilities: Introduction

(A-F only)

10669 1001 LEC, 04:40pm-06:20pm M, PeikH 155, instruction mode: Classroom; Johnson, LeAnne Denise, 2 cr

5629 Strategic Instructional Methods for Students Academically At-Risk

(A-F; prereq Special Education graduate or licensure student or instr consent)

34533 209 LEC, instruction mode: Classroom; This course open only to students registered in the nonconventional EBD licensure program through District 916., 3 cr

5631 Module 1: Introduction to Augmentative and Alternative Communication

(A-F)

23934 001 LEC, instruction mode: Correspondence, 1 cr

5632 Module 2: Evidence-based Methods for AAC Assessment and Intervention

(A-F; prereq 5631 or instr consent)

25250 001 LEC, instruction mode: Correspondence; , 2 cr

5633 Module 3: Speech-generating Devices and High-Tech AAC

(A-F; prereq 5631 or instr consent)

34906 001 LEC, instruction mode: Correspondence, 1 cr

5641 Foundations of Education for Individuals Who Are Deaf/Hard of Hearing

(max crs 3; A-F)
24215 I001 LEC, 04:30pm-06:20pm Th, . ROOM-TBA, instruction mode: Classroom; This class will meet in Room 10 (ground floor) of the Education Sciences Building, 56 East River Road., 2 cr

5644 Language Development and Programming for Deaf/Hard of Hearing Children

10674 I001 LEC, 06:40pm-07:30pm Th, . ROOM-TBA, instruction mode: Partially Online; This class will meet in Room 10 of the Education Sciences Building.; Vegell, Alicia Christina, 3 cr

5646 Reading and Writing Practices with Deaf/Hard of Hearing Children

(A-F; prereq 5644)
34484 I001 LEC, 04:40pm-07:20pm M, FolH 119, instruction mode: Classroom; Vegell, Alicia Christina, 2 cr

5651 Evident-Based Practices in Deaf Education

(A-F; prereq Special Education licensure student or instr consent)
24326 001 LEC, instruction mode: Classroom; , 2 cr

5657 Interventions for Behavioral Problems in School Settings

(A-F only; prereq 5616, 5611)
25244 I001 LEC, 04:40pm-07:20pm T, RapsonH 13, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S, 3 cr
26477 203 LEC, instruction mode: Classroom; This course offered for students registered in the nonconventional EBD licensure program.; , 3 cr

5658 Characteristics of Moderate to Severe Emotional/Behavioral Disorders

(A-F; prereq Special Education graduate or licensure student)
34909 208 LEC, instruction mode: Classroom, 3 cr

5661 Introduction to Autism Spectrum Disorder

(A-F)
17088 I001 LEC, 04:40pm-07:20pm W, PeikH 165, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Wolff, Jason James, 3 cr

5690 Experimental Teaching Seminar: MED Culminating Project

(Credit will not be granted if credit has been received for: EPSY 5991; A-F; prereq instr consent)
34490 I001 LEC, 04:40pm-06:20pm Th, RapsonH 13, instruction mode: Classroom; Pierce, Becca L., 2 cr

5701 Practicum: Field Experience in Special Education

(Credit will not be granted if credit has been received for: EPSY 3701; max crs 24; 12 repeats allowed; S-N; prereq instr consent)
13614 001 FWK, instruction mode: Classroom, 1-2 cr

5705 Practicum in ECSE/Elementary Settings

(S-N)
24414 001 FWK, instruction mode: Classroom; This section for ABS, ASD, and ECSE licensure students.; O'Neill, Charissa Valentine, 1 cr
24415 002 FWK, instruction mode: Classroom; This section for DHH Licensure students.; Walker, Terry M., 1 cr

5720 Special Topics: Special Education

(max crs 12; 12 repeats allowed)
26726 211 LEC, instruction mode: Classroom; This course offered for students registered in the nonconventional EBD licensure program., 1-4 cr

5741 Student Teaching: Academic and Behavioral Strategist

(max crs 6; S-N; prereq Special education licensure program or instr consent)
34488 001 FWK, instruction mode: Classroom; Pierce, Becca L., 3-6 cr

5751 Student Teaching: Deaf and Hard of Hearing

(max crs 10; 10 repeats allowed; prereq instr consent)
10675 001 FWK, instruction mode: Classroom, 1-6 cr

5752 Student Teaching: Learning Disabilities

(max crs 10; 10 repeats allowed; S-N only; prereq instr consent)
10670 001 FWK, instruction mode: Classroom; A mandatory biweekly seminar accompanies the student teaching experience.; Zeyer, Virginia Kay, 1-6 cr

5761 Student Teaching in Early Childhood Special Education Settings for Children Aged Three to Five Years

(max crs 6; S-N; prereq Licensure candidate in Early Childhood/Early Childhood Licensure Program, completion of all other licensure requirements for ECSE, instr consent ; completion of Birth-3 student teaching should be completed after age 3-5 student teaching when possible)
20588 001 FWK, instruction mode: Classroom; Johnson, LeAnne Denise, 3 cr

5762 Student Teaching in Early Childhood Special Education for Children Aged Birth to Three Years

(max crs 6; S-N; prereq Licensure candidate in Early Childhood/Early Childhood Licensure Program, completion of all other licensure requirements for ECSE, instr consent ; completion of Birth-3 student teaching should be completed after age 3-5 student teaching when possible)
20589 001 FWK, instruction mode: Classroom; Johnson, LeAnne Denise, 3 cr

5802 Foundations of Developmental Psychology Across the Lifespan

(A-F)
26712 001 LEC, 11:15am-02:15pm M, STSS 123, instruction mode: Classroom; Hansen-Burke, Annie, 3 cr

5849 Observation and Assessment of the Preschool Child

34129 001 LEC, instruction mode: Classroom, 3 cr

5853 Biological Bases of Behavior

(A-F)
26650 001 LEC, 08:00am-11:00am W, VinH 6, instruction mode: Classroom; Semrud-Clikeman, Margaret Elaine, 3 cr

5991 Independent Study in Educational Psychology

(Credit will not be granted if credit has been received for: EPSY 5690; max crs 20; 20 repeats allowed; A-F only; prereq instr consent)
11446 001 IND, instruction mode: Classroom; Special Education, 1-8 cr
11447 002 IND, instruction mode: Classroom; Counseling and Student Personnel Psychology, 1-8 cr
11448 003 IND, instruction mode: Classroom; School Psychology, 1-8 cr
11449 004 IND, instruction mode: Classroom; Psychological Foundations/QME, 1-8 cr
34085 005 IND, instruction mode: Independent/Directed Studies; This section is for students participating in Dr. Christ's Research Lab; Christ, Theodore J, 1-8 cr

8113 The Psychology of Scientific Reasoning

(prereq 5114 or equivalent)
25834 001 LEC, 12:00pm-02:45pm M, . ROOM-TBA, instruction mode: Classroom; This course will meet in 225E Education Sciences Building.; Varma, Keisha, 3 cr

8114 Seminar: Cognition and Learning

(max crs 9; 3 repeats allowed)
34437 001 LEC, 11:15am-02:15pm F, EltH N647, instruction mode: Classroom; Tennyson PhD, Robert D, 3 cr
22545 002 LEC, 02:30pm-05:15pm T, FolH 6, instruction mode: Classroom; ADVANCED COGNITIVE PSYCHOLOGY. This course is an introduction to theories and behavioral data of cognitive psychology of greatest relevance to education. It is ?advanced? in three senses. First, it emphasizes current theoretical controversies and empirical work. Second, it focuses on higher-level cognition. Third, it supplements conventional textbook readings with papers from the research literature. The topics covered will include: attention, executive function, working memory, long-term memory, learning, transfer, knowledge representation, mental models, problem solving, reasoning, intelligence, expertise, language comprehension, mathematical thinking, scientific reasoning, and individual differences. Graduate students interested in cognitive psychology are invited to register for the course, regardless of disciplinary background. For questions or more information, please contact Dr. Sashank Varma (sashank@umn.edu.); Varma, Sashank, 3 cr

25841 003 LEC, 02:30pm-05:10pm W, PeikH 28, instruction mode: Classroom; CONCEPTUAL CHANGE Learning often involves the revision of prior knowledge at the level of systems, at the level of individual concepts, and of course at the level of individual beliefs. This type of learning is known as conceptual change. In this seminar, we will focus on the discussion of current research in the area of conceptual change learning with the aim to advance our understanding of the underlying cognitive processes involved in knowledge revision and their implications for pedagogy and assessment. Main topics include current theories of conceptual change learning, processes and mechanisms of change, conceptual change in different domains (e.g., science, math, physics), influences of learner characteristics (e.g., prior knowledge, epistemological beliefs, motivation, engagement), instructional approaches for conceptual change, and challenges in conceptual change research. Graduate students are invited to register for the course, regardless of disciplinary background. For questions or more information, please contact Dr. Panayioti (Pani) Kendeou (kend0040@umn.edu.); Kendeou, Panayioti A., 3 cr

8215 Advanced Research Methodologies in Education

(prereq 5221, 5247, [8252 or equiv], instr consent)
17333 001 LEC, 02:30pm-03:45pm TTh, PeikH 215, instruction mode: Classroom; Davison, Mark L, 3 cr

8216 Seminar: Research Processes in Psychological Foundations of Education

(A-F only; prereq [5216, admitted to doctoral program in psych foundations] or instr consent)
34438 001 LEC, 02:30pm-05:15pm Th, SmithH 111, instruction mode: Classroom; Yussen, Steve, 3 cr

8220 Special Topics: Seminar in Quantitative Methods

(max crs 15; 15 repeats allowed)
34439 001 LEC, instruction mode: Classroom; Harwell, Michael R, 1-6 cr

8251 Methods in Data Analysis for Educational Research I

(prereq [EPSY 5261 or equiv] or undergrad statistics course)
21733 001 LEC, 02:30pm-03:45pm TTh, BuH 123, instruction mode: Classroom; Zieffler PhD, Andrew S, 3 cr

8252 Methods in Data Analysis for Educational Research II

(prereq [8251 or 8262 or equiv])
25835 001 LEC, 09:45am-11:00am MW, BuH 125, instruction mode: Classroom; Zieffler PhD, Andrew S, 3 cr

8261 Statistical Methods I: Probability and Inference

(prereq 3264 or 5261 or equiv)
17706 001 LEC, 11:15am-12:30pm TTh, PeikH 225, instruction mode: Classroom; Kohli, Nidhi, 3 cr
34440 002 LEC, 02:30pm-03:45pm TTh, BuH 125, instruction mode: Classroom; delMas, Robert Claude, 3 cr

8262 Statistical Methods II: Regression and the General Linear Model

(prereq [8261 or equiv])
13932 001 LEC, 11:15am-12:30pm TTh, BuH 125, instruction mode: Classroom; delMas, Robert Claude, 3 cr

8264 Advanced Multiple Regression Analysis

(prereq [8252 or equiv], regression/ANOVA course, familiarity with statistical analysis package)
18322 001 LEC, 02:30pm-04:15pm TTh, BlegH 425, instruction mode: Classroom; Davenport Jr, Ernest C, 3 cr

8265 Factor Analysis

(prereq [8252 or equiv or instr consent])
34441 001 LEC, 11:15am-12:30pm TTh, PeikH 315, instruction mode: Classroom; Davenport Jr, Ernest C, 3 cr

8268 Hierarchical Linear Modeling in Educational Research

(prereq [8252 or equiv])
34442 001 LEC, 11:15am-12:30pm TTh, PeikH 375, instruction mode: Classroom; Harwell, Michael R, 3 cr

8282 Statistical Analysis of Longitudinal Data

(prereq [8252 or equiv])
34443 001 LEC, 02:30pm-03:45pm TTh, ApH 226, instruction mode: Classroom; Kohli, Nidhi, 3 cr

8299 Quantitative Methods in Education Internship

(max crs 3; 3 repeats allowed; S-N; prereq EPsy MA or PhD student, QME track)

21704 001 FWK, instruction mode: Independent/Directed Studies; Contact QME advisor for permission to register., 1-3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13967 001 IND, instruction mode: Classroom, 1 cr

8402 Individual Counseling: Theory and Applications

(A-F only; prereq Grad ed psy major with CSPP subprog or instr consent)

10705 001 LEC, 12:20pm-03:45pm F, BuH 125, instruction mode: Classroom; Burke, Caroline Anne, 3 cr

8405 Career Development: Theory, Skills, and Counseling Applications

(A-F only; prereq CSPP grad student)

23941 I001 DIS, 04:40pm-07:20pm W, PeikH 315, instruction mode: Classroom, 3 cr

34543 I002 DIS, 04:40pm-07:20pm T, ApH 319, instruction mode: Classroom; Ohrtman, Marguerite, 3 cr

8406 Professional Ethics for Counselors and Psychologists

(A-F; prereq CSPP grad student)

17097 I001 LEC, 04:40pm-07:20pm M, EitH N647, instruction mode: Classroom; Burke, Caroline Anne, 3 cr

8411 Advanced Counseling Research

(A-F only; prereq Ed psy PhD student with CSPP subprog or instr consent)

34545 001 LEC, instruction mode: Classroom; Turner, Sherri L, 4 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14103 001 IND, instruction mode: Classroom, 1 cr

8503 Counseling Practicum I

(max crs 4; A-F only; prereq 8502 or instr consent)

10706 001 FWK, 08:30am-10:30am Th, . ROOM-TBA, instruction mode: Classroom; Class will meet in Ed Sciences Building 125: Counseling Lab.; Burke, Caroline Anne, 1-4 cr

14456 I002 FWK, 04:40pm-07:20pm W, FolH 119, instruction mode: Classroom; This class will meet in Room 10 of the Education Science Building.; Ohrtman, Marguerite, 1-4 cr

8509 Supervision Practicum: CSPP

(max crs 6; 6 repeats allowed; prereq [Ed psy PhD student with CSPP subprog] or instr consent)

10988 001 FWK, 10:30am-12:00pm M, . ROOM-TBA, instruction mode: Classroom; This section of supervision for doctoral student supervisors assisting with EPsy 8501: Pre Practicum. This class will meet in 320 of the Education Sciences Building.; Burke, Caroline Anne, 1-2 cr

8512 Internship: CSPP

(max crs 12; 12 repeats allowed; S-N; prereq EdPsy PhD student with CSPP subprog)

10707 001 FWK, instruction mode: Classroom; Instructor will arrange individual meetings with interns.; Turner, Sherri L, 1-12 cr

8522 Counseling Practicum: Advanced

(max crs 12; 4 repeats allowed; A-F; prereq [Grad EPsy PhD student with CSPP subprog] or instr consent ; instructor consent required after 2 repeats)

34544 001 LEC, instruction mode: Classroom; Skovholt, Thomas M, 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14222 001 IND, instruction mode: Classroom, 1-6 cr

8701 Doctoral Core Seminar: Special Education I

(max crs 6; A-F only; prereq EdPsy PhD student with spec ed subprog or instr consent)

10673 001 LEC, 02:30pm-05:20pm M, FolH 107, instruction mode: Classroom; This class will meet in Room 320 of the Education Sciences Building.; Hupp, Susan Candis, 3 cr

8706 Single Case Designs in Intervention Research

22784 001 LEC, 01:00pm-04:00pm M, FordH 115, instruction mode: Classroom; This class will meet in Room 320 of the Education Sciences Building.; Symons, Frank J, 3 cr

8708 Functional Behavior Assessment

(A-F; prereq [Grad student, one [learning or psychology] course] or instr consent)

25820 001 LEC, 02:00pm-05:00pm W, NichH 115, instruction mode: Classroom; This class will meet in Room 320 of the Education Sciences Building.; McComas, Jennifer, 3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14306 001 IND, instruction mode: Classroom, 1-18 cr

8811 Assessment in School Psychology I: Foundations of Academic Assessment

(A-F only; prereq Grad ed psy major with school psy subprog or instr consent)

10818 001 LEC, 09:05am-10:30am TTh, . NONSTD-TBA, instruction mode: Classroom; Christ, Theodore J, 3 cr

8813 Assessment Practicum in School Psychology

(max crs 4; A-F only; prereq 8821, grad ed psy major with school psy subprog or instr consent , Concurrent registration is required (or allowed) in 8811 or Concurrent registration is required (or allowed) in 8812)

10817 001 FWK, 09:05am-12:05pm F, FolH 119, instruction mode: Classroom; Meetings will be arranged by instructor off-campus; Christ, Theodore J, 2 cr

8816 Individual and Systems Academic Interventions

(A-F only; prereq 8811, 8812, 8813)

14610 001 LEC, 02:30pm-05:30pm W, PeikH 155, instruction mode: Classroom; , 3 cr

8818 Intervention Practicum in School Psychology

(max crs 2; A-F only; prereq Grad ed psy major with school psy subprog, Concurrent registration is required (or allowed) in 8815 or Concurrent registration is required (or allowed) in 8816)

10819 001 FWK, instruction mode: Independent/Directed Studies; meetings will be arranged with instructor; , 1 cr

8821 Issues in School Psychology

(A-F only; prereq EPsy grad student with SchIPsy subprog)

10820 001 LEC, 09:05am-12:05pm W, VinH 209, instruction mode: Classroom; , 3 cr

8822 Research in School Psychology

(max crs 6; 6 repeats allowed; A-F; prereq [8860, 8861, 5616] or equiv, [grad ed psy major with school psy subprog] or instr consent)

25785 001 LEC, 09:05am-11:00am M, ApH 103, 08/07/15-06/15/16, instruction mode: Classroom; students will meet with advisors research group; Christ, Theodore J, 1-3 cr

8831 Practicum: School Psychological Services

(max crs 6; 6 repeats allowed; prereq Grad ed psy major with school psy subprog)

10821 001 FWK, instruction mode: Independent/Directed Studies; Meets with: 10822 EPsy 8832; Miller, Faith Gwynneth, 1-3 cr

8832 Clinical/Community Practice in School Psychology

(max crs 6; 6 repeats allowed; prereq Grad ed psy major with school psy subprog)

10822 001 FWK, instruction mode: Independent/Directed Studies; Meets with: 10821 EPsy 8831; Miller, Faith Gwynneth, 1-3 cr

8841 Practicum: Instruction and Supervision in School Psychology

(max crs 6; A-F only; prereq Grad ed psy major with school psy subprog or instr consent)

10824 001 FWK, 09:05am-12:05pm F, PeikH 165, instruction mode: Classroom; Class will meet in 350B ESB; Sullivan, Amanda Louise, 3 cr

8842 Internship: School Psychological Services

(max crs 10; 10 repeats allowed; S-N only; prereq Grad ed psy major with school psy subprog, instr consent)

10823 001 FWK, instruction mode: Independent/Directed Studies; Hansen-Burke, Annie, 1-10 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13741 001 IND, instruction mode: Classroom, 1-24 cr

8993 Directed Study: Educational Psychology

(max crs 20; 20 repeats allowed; A-F only; prereq instr consent)

11460 001 IND, instruction mode: Classroom; Special Education, 1-10 cr

11461 002 IND, instruction mode: Classroom; Counseling and Student Personnel Psychology, 1-10 cr

11462 003 IND, instruction mode: Classroom; School Psychology, 1-10 cr

11463 004 IND, instruction mode: Classroom; Psychological Foundations/QME, 1-10 cr

8994 Research Problems: Educational Psychology

(max crs 18; 18 repeats allowed; A-F only; prereq instr consent)

11456 001 IND, instruction mode: Classroom; Special Education, 1-6 cr

11457 002 IND, instruction mode: Classroom; Counseling Psychology, 1-6 cr

11458 003 IND, instruction mode: Classroom; School Psychology, 1-6 cr

11459 004 IND, instruction mode: Classroom; Psychological Foundations/QME, 1-6 cr

EDUCATION AND HUMAN DEVELOPMENT (EdHD)110 Wulling Hall, 86 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6501, <http://cehd.umn.edu/>**1701 Introduction to TRiO: Identity, Culture, and College Success**

(A-F; prereq TRIO student)

22899 001 DIS, 02:30pm-04:25pm T, PeikH 28, 09/08/15-10/26/15, instruction mode: Classroom; Whittaker, Nathan Laurence, 1 cr

22900 002 DIS, 02:30pm-04:25pm T, FolH 28, 09/08/15-10/26/15, instruction mode: Classroom; Sawyer MA, Greg S., 1 cr

22901 003 DIS, 02:30pm-04:25pm T, ApH 319, 09/08/15-10/26/15, instruction mode: Classroom; Collins, Kirsten Jean, 1 cr

22902 004 DIS, 02:30pm-04:25pm W, PeikH 215, 09/08/15-10/26/15, instruction mode: Classroom; Whittaker, Nathan Laurence, 1 cr

23800 005 DIS, 02:30pm-04:25pm W, ApH 11, 09/08/15-10/26/15, instruction mode: Classroom; Sawyer MA, Greg S., 1 cr

23801 006 DIS, 02:30pm-04:25pm W, BuH 123, 09/08/15-10/26/15, instruction mode: Classroom; Collins, Kirsten Jean, 1 cr

1920 CEHD Special Topics

(max crs 6)

20046 I001 LEC, 06:30pm-08:30pm W, PeikH 48, 10/27/15-12/16/15, instruction mode: Classroom; Topic prereq - hired as America Reads tutor, instr consent; Boehm, Eva Lynn, 1-3 cr

20064 I002 LEC, 06:00pm-08:00pm Th, PeikH 25, 10/27/15-12/16/15, instruction mode: Classroom; Topic prereq - hired as America Reads tutor, instr consent; Boehm, Eva Lynn, 1-3 cr

20072 003 LEC, 12:20pm-02:15pm F, PeikH 48, 10/27/15-12/16/15, instruction mode: Classroom; Topic prereq - hired as America Reads tutor, instr consent; Boehm, Eva Lynn, 1-3 cr

26879 004 LEC, 04:00pm-06:00pm W, PeikH 385, 10/27/15-12/16/15, instruction mode: Classroom; Boehm, Eva Lynn, 1-3 cr

3001 Exploring the Teaching Profession I

(A-F; prereq DirecTrack to Teaching program or college consent)

10666 I001 LEC, 05:00pm-08:00pm T, ApH 11, instruction mode: Classroom; Stone, Karla, 2 cr

20231 I002 LEC, 05:00pm-08:00pm T, SmithH 121, instruction mode: Classroom; Pyscher, Tracey Michelle, 2 cr

26756 I003 LEC, 05:00pm-08:00pm T, PeikH 28, instruction mode: Classroom, 2 cr

5300 Special Topics in Education and Human Development

(max crs 12; 7 repeats allowed; prereq Non-degree seeking students only. Practitioners/graduates who have already completed undergrad coursework.)

- 22927 001 LEC, 09/15/15-06/15/16, instruction mode: Independent/Directed Studies; Topic prereq - Non-degree, non-enrolled licensed teachers only; Please contact Brad Sigal at bss@umn.edu; meets CCE req of Online; Peterson, Debra Stevens, 1-6 cr
- 23053 002 LEC, 10/15/15-07/15/16, instruction mode: Primarily Online; Topic prereq - Non-degree, non-enrolled licensed teachers only; Please contact Brad Sigal at 23081 003 LEC, 11/15/15-08/15/16, instruction mode: Primarily Online; Topic prereq - Non-degree, non-enrolled licensed teachers only; Please contact Brad Sigal at 23361 004 LEC, 12/15/15-09/15/16, instruction mode: Primarily Online; Topic prereq - Non-degree, non-enrolled licensed teachers only; Please contact Brad Sigal at 23362 005 LEC, instruction mode: Correspondence; LTML Building Online Learning Communities.; Doering, Aaron H, 1-6 cr
- 24597 006 LEC, instruction mode: Primarily Online; Working with Parents: Considerations for Special Populations; Watson PhD, Christopher L, 1-6 cr
- 24598 007 LEC, instruction mode: Primarily Online; CEED online courses: Critical Learning through Movement; Ottman, Deborah; Watson PhD, Christopher L, 1-6 cr
- 24599 008 LEC, instruction mode: Primarily Online; LTML FILOT course Designing for Experiences; Doering, Aaron H, 1-6 cr
- 24707 009 LEC, instruction mode: Classroom; STEM EngrTEAMS curriculum development. GRANT funded; Roehrig, Gillian Heather, 1-6 cr
- 26739 010 LEC, instruction mode: Primarily Online; CEED FILOT Course practitioners in early education only; Hjelseth, Leah R, 1-6 cr
- 26740 012 LEC, instruction mode: Correspondence; CEED Online Course FILOT
- 26741 014 LEC, instruction mode: Correspondence; Non Degree Students FILOT
- 26778 016 LEC, instruction mode: Partially Online; NON degree seeking students FILOT registration; Roehrig, Gillian Heather, 1-6 cr

ELECTRICAL AND COMPUTER ENGINEERING (EE)

4-178 Kenneth H. Keller Hall, 200 Union Street SE, East Bank Campus, East Bank Campus, MN, 55455
612/625-3300, <http://www.ece.umn.edu>

1301 Introduction to Computing Systems

(prereq Concurrent registration is required (or allowed) in MATH 1271 or Concurrent registration is required (or allowed) in MATH 1371)

- 001 LEC, 02:30pm-03:45pm TTh, AkerH 209, instruction mode: Classroom; Labs will start second week of term; Sartori, John M
- 13935 002 LAB, 08:00am-11:00am M, KHKH 4-138, instruction mode: Classroom; Labs will start second week of term; Sartori, John M; , 4 cr
- 16789 003 LAB, 08:00am-11:00am T, KHKH 4-138, instruction mode: Classroom; Labs will start second week of term; Sartori, John M; , 4 cr
- 16790 007 LAB, 02:30pm-05:30pm M, KHKH 4-138, instruction mode: Classroom; Labs will start second week of term; Sartori, John M; , 4 cr

1701W Energy, Environment, and Society (meets CLE req of Writing Intensive)

- 34775 001 LEC, 09:05am-09:55am MWF, AmundH 240, instruction mode: Classroom; Imbertson, Paul Jay, 3 cr

2001 Introduction to Circuits and Electronics

(prereq Concurrent registration is required (or allowed) in PHYS 1302, Concurrent registration is required (or allowed) in (MATH 2243 or MATH 2373 or MATH 2573))

- 001 LEC, 12:20pm-01:10pm MWF, AndH 210, instruction mode: Classroom; Discussion sections of EE 2001 do not meet the first week of classes.; Cho, Jeong-Hyun
- 11231 003 DIS, 12:20pm-01:10pm T, AkerH 317, instruction mode: Classroom; Cho, Jeong-Hyun, 3 cr
- 11232 004 DIS, 01:25pm-02:15pm T, AkerH 317, instruction mode: Classroom; Cho, Jeong-Hyun, 3 cr
- 11233 005 DIS, 02:30pm-03:20pm T, AkerH 215, instruction mode: Classroom; Parhi, Keshab K., 3 cr
- 16804 008 DIS, 02:30pm-03:20pm W, AkerH 211, instruction mode: Classroom; Cohen, Philip I, 3 cr

2002 Introductory Circuits and Electronics Laboratory

(prereq 2001 or Concurrent registration is required (or allowed) in 2001)

- 11334 001 LAB, 08:00am-09:55am W, KHKH 3-144, instruction mode: Classroom; Higman, Ted King; , 1 cr
- 11335 002 LAB, 10:10am-12:05pm W, KHKH 3-136, instruction mode: Classroom; Higman, Ted King, 1 cr
- 11336 003 LAB, 01:25pm-03:20pm W, KHKH 3-136, instruction mode: Classroom; Higman, Ted King, 1 cr
- 11337 004 LAB, 03:35pm-05:30pm W, KHKH 3-136, instruction mode: Classroom; Higman, Ted King, 1 cr
- 13567 008 LAB, 12:20pm-02:15pm Th, KHKH 3-136, instruction mode: Classroom; Higman, Ted King, 1 cr
- 16801 009 LAB, 02:30pm-04:25pm Th, KHKH 3-136, instruction mode: Classroom; Higman, Ted King, 1 cr
- 16802 011 LAB, 08:00am-09:55am F, KHKH 3-136, instruction mode: Classroom; Higman, Ted King, 1 cr
- 17952 012 LAB, 10:10am-12:05pm F, KHKH 3-136, instruction mode: Classroom; Higman, Ted King, 1 cr
- 18124 014 LAB, 03:35pm-05:30pm F, KHKH 3-136, instruction mode: Classroom; Higman, Ted King, 1 cr

2011 Linear Systems, Circuits, and Electronics

(prereq 2001)

- 001 LEC, 12:20pm-01:10pm MWF, AkerH 319, instruction mode: Classroom; Discussion sections do not meet during the first week of classes for EE 2011.; Low, Tony
- 11235 002 DIS, 02:30pm-03:20pm M, STSS 123, instruction mode: Classroom; 2 seats reserved for CSE NASS New Advanced Standing; Ruden, P Paul, 3 cr
- 11236 004 DIS, 01:25pm-02:15pm T, STSS 123, instruction mode: Classroom; 2 seats reserved for CSE NASS New Advanced Standing; Low, Tony, 3 cr

2101 Introduction to Electronics I

(prereq Linear circuits)

- 001 LEC, 03:35pm-04:25pm MWF, STSS 117, 09/08/15-10/26/15, instruction mode: Classroom; Covers electronics content of EE 2001 in half a semester. Intended for transfer students. Contact ECE department with questions.; Robbins, William P
- 14362 002 DIS, 04:25pm-05:30pm MF, VinH 213, 09/08/15-10/26/15, instruction mode: Classroom, 1.50 cr

2103 Introduction to Electronics II

(prereq 2001 or 2101)

- 001 LEC, 03:35pm-04:45pm MF, VinH 364, 10/27/15-12/16/15, instruction mode: Classroom
- 14361 002 DIS, 03:35pm-04:25pm W, STSS 119, 10/27/15-12/16/15, instruction mode: Classroom, 1 cr

2301 Introduction to Digital System Design

(prereq MATH 1272 or MATH 1372 or MATH 1572)

- 001 LEC, 09:45am-11:00am TTh, FraserH 101, instruction mode: Classroom; Discussions DO meet the first week of classes. Labs DO NOT meet the first week of classes.; Posbergh, Thomas Alfred
- 10939 002 LAB, 10:10am-12:05pm M, KHKH 2-178, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr
- 10940 003 LAB, 01:25pm-03:20pm M, KHKH 2-178, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr
- 10941 004 LAB, 03:35pm-05:30pm M, KHKH 2-178, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr
- 10942 005 LAB, 11:15am-01:10pm T, KHKH 2-178, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr
- 10943 006 LAB, 01:25pm-03:20pm T, KHKH 2-178, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr
- 10944 007 LAB, 03:35pm-05:30pm T, KHKH 2-178, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr
- 10945 009 LAB, 10:10am-12:05pm F, KHKH 2-178, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr
- 10946 010 LAB, 01:25pm-03:20pm W, KHKH 2-178, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr
- 10947 011 LAB, 04:40pm-06:35pm Th, KHKH 2-178, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr
- 23819 012 LAB, 08:00am-09:55am M, KHKH 2-178, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr
- 020 DIS, 12:20pm-01:10pm Th, MCB 2-122, instruction mode: Classroom; Kinney, Larry L
- 021 DIS, 01:25pm-02:15pm Th, AkerH 319, instruction mode: Classroom; Karpuzcu, Rahmet Ulya
- 022 DIS, 02:30pm-03:20pm Th, STSS 131A, instruction mode: Classroom; Sobelman, Gerald Edward
- 023 DIS, 11:15am-12:05pm F, KHKH 3-111, instruction mode: Classroom; Cherkassky, Vladimir S

2361 Introduction to Microcontrollers

(prereq 2301, [1301 or CSCI 1113 or CSCI 1901])

- 001 LEC, 09:05am-09:55am MWF, AkerH 209, instruction mode: Classroom; Riedel, Marc
- 13432 003 LAB, 04:00pm-05:55pm T, KHKH 2-182, instruction mode: Classroom; Riedel, Marc; , 4 cr
- 13433 005 LAB, 03:35pm-05:30pm W, KHKH 2-182, instruction mode: Classroom; Riedel, Marc; , 4 cr
- 13434 006 LAB, 11:15am-01:10pm Th, KHKH 2-182, instruction mode: Classroom; Riedel, Marc; , 4 cr
- 15224 008 LAB, 04:00pm-05:55pm Th, KHKH 2-182, instruction mode: Classroom; Riedel, Marc; , 4 cr
- 15293 009 LAB, 01:25pm-03:20pm F, KHKH 2-182, instruction mode: Classroom; Riedel, Marc; , 4 cr
- 020 DIS, 01:25pm-02:15pm M, KHKH 4-138, instruction mode: Classroom; Riedel, Marc
- 021 DIS, 12:20pm-01:10pm T, KHKH 4-138, instruction mode: Classroom; Sartori, John M
- 022 DIS, 01:25pm-02:15pm T, KHKH 4-138, instruction mode: Classroom; Sapatnekar, Sachin Suresh

3005 Fundamentals of Electrical Engineering

(prereq Math 2243, Phys 1302; not for EE majors)

- 10994 001 LEC, 08:00am-08:50am MWThF, KHKH 3-210, instruction mode: Classroom; 15 seats reserved for CSE NASS New Advanced Standing; Imbertson, Paul Jay, 4 cr

3006 Fundamentals of Electrical Engineering Laboratory

(prereq Concurrent enrollment in 3005 is allowed but not required)

- 10996 001 LAB, 09:05am-11:00am M, KHKH 3-136, instruction mode: Classroom; EE 3006 will not meet the first week of classes.; Imbertson, Paul Jay, 1 cr
- 10997 002 LAB, 11:15am-01:10pm M, KHKH 3-136, instruction mode: Classroom; EE 3006 will not meet the first week of classes.; Imbertson, Paul Jay, 1 cr
- 10998 003 LAB, 01:25pm-03:20pm M, KHKH 3-136, instruction mode: Classroom; EE 3006 will not meet the first week of classes.; Imbertson, Paul Jay, 1 cr
- 10999 004 LAB, 03:35pm-05:30pm M, KHKH 3-136, instruction mode: Classroom; EE 3006 will not meet the first week of classes.; Imbertson, Paul Jay, 1 cr
- 13937 005 LAB, 05:45pm-07:40pm M, KHKH 3-136, instruction mode: Classroom; EE 3006 will not meet the first week of classes., 1 cr
- 11000 006 LAB, 08:00am-09:55am T, KHKH 3-136, instruction mode: Classroom; EE 3006 will not meet the first week of classes.; Imbertson, Paul Jay, 1 cr
- 11001 007 LAB, 10:10am-12:05pm T, KHKH 3-136, instruction mode: Classroom; EE 3006 will not meet the first week of classes.; Imbertson, Paul Jay, 1 cr
- 11002 008 LAB, 12:20pm-02:15pm T, KHKH 3-136, instruction mode: Classroom; EE 3006 will not meet the first week of classes.; Imbertson, Paul Jay, 1 cr
- 11003 009 LAB, 02:30pm-04:25pm T, KHKH 3-136, instruction mode: Classroom; EE 3006 will not meet the first week of classes.; Imbertson, Paul Jay, 1 cr
- 11004 010 LAB, 04:40pm-06:35pm T, KHKH 3-136, instruction mode: Classroom; EE 3006 will not meet the first week of classes.; Imbertson, Paul Jay, 1 cr
- 24426 012 LAB, 10:10am-12:05pm Th, KHKH 3-144, instruction mode: Classroom; Imbertson, Paul Jay; , 1 cr
- 23293 013 LAB, 12:20pm-02:15pm F, KHKH 3-144, instruction mode: Classroom; Imbertson, Paul Jay; , 1 cr
- 26894 017 LAB, 05:45pm-07:40pm W, KHKH 3-136, instruction mode: Classroom; Higman, Ted King; Olson, Stephen Andrew Olaf, 1 cr

3015 Signals and Systems

(prereq [2011, CSE] or dept consent)

- 001 LEC, 10:10am-11:00am MWF, AmundH B75, instruction mode: Classroom; Haupt, Jarvis David
- 11238 002 DIS, 11:15am-12:05pm Th, STSS 123, instruction mode: Classroom; Haupt, Jarvis David, 3 cr
- 11239 003 DIS, 12:20pm-01:10pm Th, VinH 206, instruction mode: Classroom; Haupt, Jarvis David, 3 cr
- 11240 005 DIS, 12:20pm-01:10pm F, STSS 121, instruction mode: Classroom; Lamperski, Andrew, 3 cr
- 11241 006 DIS, 01:25pm-02:15pm F, AkerH 211, instruction mode: Classroom; Dhople, Sairaj, 3 cr

3025 Statistical Methods in Electrical and Computer Engineering

(prereq [3015, CSE] or instr approval)

- 001 LEC, 10:10am-11:00am MWF, KHKH 3-230, instruction mode: Classroom; Mazumdar, Arya
- 10955 002 DIS, 11:15am-12:05pm M, AkerH 227, instruction mode: Classroom; Sidiropoulos, Nikolaos, 3 cr
- 10956 003 DIS, 12:20pm-01:10pm M, STSS 117, instruction mode: Classroom; Mazumdar, Arya, 3 cr
- 16805 004 DIS, 10:10am-11:00am T, AkerH 227, instruction mode: Classroom; Sidiropoulos, Nikolaos, 3 cr

3041 Industrial Assignment I

(A-F; prereq [EE or CompE upper div], enrolled in ECE co-op program)

18137 001 FWK, instruction mode: Independent/Directed Studies; Higman, Ted King; Evan, Barbara Kettler; Kelso, Frank M, 2 cr

3101 Circuits and Electronics Laboratory I

(prereq [2002, [3115 or Concurrent registration is required (or allowed) in 3115], CSE] or dept consent)

11244 001 LAB, 11:15am-02:15pm M, KHKH 3-144, instruction mode: Classroom; EE 3101 will not meet the first week of classes.; Higman, Ted King; , 2 cr

16821 002 LAB, 02:30pm-05:30pm M, KHKH 3-144, instruction mode: Classroom; EE 3101 will not meet the first week of classes.; Higman, Ted King; , 2 cr

11245 003 LAB, 05:45pm-08:45pm M, KHKH 3-144, instruction mode: Classroom; EE 3101 will not meet the first week of classes.; Higman, Ted King; , 2 cr

11246 004 LAB, 08:00am-11:00am T, KHKH 3-144, instruction mode: Classroom; EE 3101 will not meet the first week of classes.; Higman, Ted King; , 2 cr

11247 005 LAB, 11:15am-02:15pm T, KHKH 3-144, instruction mode: Classroom; EE 3101 will not meet the first week of classes.; Higman, Ted King; , 2 cr

11248 006 LAB, 02:30pm-05:30pm T, KHKH 3-144, instruction mode: Classroom; EE 3101 will not meet the first week of classes.; Higman, Ted King; , 2 cr

11249 008 LAB, 11:15am-02:15pm W, KHKH 3-144, instruction mode: Classroom; EE 3101 will not meet the first week of classes.; Higman, Ted King; , 2 cr

11250 009 LAB, 02:30pm-05:30pm W, KHKH 3-144, instruction mode: Classroom; EE 3101 will not meet the first week of classes.; Higman, Ted King; , 2 cr

3102 Circuits and Electronics Laboratory II

(prereq [3101 or CSE or dept consent], attendance first day of class)

001 DIS, 09:05am-09:55am T, KHKH 3-111, instruction mode: Classroom; Labs begin first week of term; Robbins, William P

25577 002 LAB, 08:00am-11:00am Th, KHKH 3-144, instruction mode: Classroom; Robbins, William P; , 2 cr

11252 003 LAB, 11:15am-02:15pm Th, KHKH 3-144, instruction mode: Classroom; Labs begin first week of term; , 2 cr

16825 004 LAB, 05:45pm-08:45pm Th, KHKH 3-144, instruction mode: Classroom; Labs begin first week of term; Robbins, William P, 2 cr

13938 005 LAB, 02:30pm-05:30pm F, KHKH 3-144, instruction mode: Classroom; Labs begin first week of term; Robbins, William P, 2 cr

3115 Analog Electronics

(prereq [3015 or Concurrent registration is required (or allowed) in 3015, CSE] or dept consent)

001 LEC, 09:05am-09:55am MWF, KHKH 3-230, instruction mode: Classroom; Higman, Ted King

11254 002 DIS, 01:25pm-02:15pm W, STSS 123, instruction mode: Classroom; Robbins, William P, 3 cr

11255 003 DIS, 01:25pm-02:15pm Th, VinH 206, instruction mode: Classroom; Ebbini, Emad S, 3 cr

11256 004 DIS, 02:30pm-03:20pm Th, AkerH 227, instruction mode: Classroom; Harjani, Ramesh, 3 cr

11257 005 DIS, 02:30pm-03:20pm W, CivE 213, instruction mode: Classroom; Ernie, Douglas, 3 cr

23282 007 DIS, 03:35pm-04:25pm Th, STSS 144, instruction mode: Classroom; , 3 cr

3161 Semiconductor Devices

(prereq Upper div CSE, 2011, Phys 1302, Phys 2303 or Chem 1022)

001 LEC, 11:15am-12:30pm TTh, KHKH 3-230, instruction mode: Classroom; Talghader, Joseph John

11316 002 DIS, 01:25pm-02:15pm T, STSS 420B, instruction mode: Classroom; Koester, Steven J, 3 cr

11317 003 DIS, 02:30pm-03:20pm T, STSS 432B, instruction mode: Classroom; 1 seat reserved for CSE NASS New Advanced Standing; Talghader, Joseph John, 3 cr

14688 004 DIS, 02:30pm-03:20pm W, STSS 420B, instruction mode: Classroom; 1 seat reserved for CSE NASS New Advanced Standing; Talghader, Joseph John, 3 cr

3601 Transmission Lines, Fields, and Waves

(prereq [2011, [Math 2243 or Math 2373 or Math 2573], [Phys 1302 or Phys 1402], CSE] or dept consent)

001 LEC, 11:15am-12:05pm MWF, MechE 108, instruction mode: Classroom; Discussion sections do not meet the first week for EE 3601. Lecture meets as normal.; Ernie, Douglas

11243 002 DIS, 01:25pm-02:15pm M, KHKH 2-260, instruction mode: Classroom; Ernie, Douglas, 3 cr

16806 004 DIS, 12:20pm-01:10pm T, AmundH 120, instruction mode: Classroom; Ernie, Douglas, 3 cr

3990 Curricular Practical Training

(max crs 12; 6 repeats allowed; S-N; prereq instr consent , undergrad EE or CompE major)

17980 001 FWK, instruction mode: Independent/Directed Studies; Leger, James Robert, 1-2 cr

4043W Industrial Assignment II

(A-F; prereq 3041; meets CLE req of Writing Intensive)

18122 001 FWK, instruction mode: Independent/Directed Studies; no EE or CompE graduate level credit; Higman, Ted King, 4 cr

4044 Industrial Assignment III

(A-F; prereq 4043W)

18123 001 FWK, instruction mode: Independent/Directed Studies; no EE or CompE graduate level credit; Higman, Ted King, 2 cr

4231 Linear Control Systems: Designed by Input/Output Methods

(Credit will not be granted if credit has been received for: AEM 4321; prereq [3015, [upper div CSE or grad student in CSE major]] or instr consent)

11270 001 LEC, 01:25pm-02:15pm MWF, FraserH 101, instruction mode: Classroom; Meets with: 18585 AEM 4321; salapaka, murti v, 3 cr

4235 Linear Control Systems Laboratory

(prereq 4231 or Concurrent registration is required (or allowed) in 4231)

34880 001 LAB, 11:15am-01:10pm M, KHKH 2-188, instruction mode: Classroom; Georgiou, Tryphon T, 1 cr

16823 002 LAB, 02:30pm-04:25pm M, KHKH 2-188, instruction mode: Classroom; EE 4235 does not meet during the first week of classes.; Georgiou, Tryphon T; , 1 cr

11271 003 LAB, 02:30pm-04:25pm F, KHKH 2-188, instruction mode: Classroom; EE 4235 does not meet during the first week of classes.; Georgiou, Tryphon T; , 1 cr

16824 004 LAB, 02:30pm-04:25pm T, KHKH 2-188, instruction mode: Classroom; EE 4235 does not meet during the first week of classes.; Georgiou, Tryphon T; , 1 cr

4301 Digital Design With Programmable Logic

(prereq 2301, [1301 or CSCI 1113 or CSCI 1901])

001 LEC, 10:10am-11:00am MWF, KHKH 3-125, instruction mode: Classroom; Posbergh, Thomas Alfred

11303 002 LAB, 02:30pm-04:25pm W, KHKH 1-202, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr

11304 004 LAB, 10:10am-12:05pm Th, KHKH 1-202, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr

11305 005 LAB, 12:20pm-02:15pm Th, KHKH 1-202, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr

11306 006 LAB, 08:00am-09:55am F, KHKH 1-202, instruction mode: Classroom; Posbergh, Thomas Alfred, 4 cr

14982 007 LAB, 01:25pm-03:20pm F, KHKH 1-202, instruction mode: Classroom, 4 cr

4363 Computer Architecture and Machine Organization

(Credit will not be granted if credit has been received for: CSCI 4203; prereq 2361; credit will not be granted if credit received for: 5361, CSci 5201.)

15533 001 LEC, 02:30pm-03:45pm MW, KHKH 3-230, instruction mode: Classroom; Meets with: 15534 CSCI 4203; Zhai, Antonia Bingheng, 4 cr

26766 883 LEC, 02:30pm-03:45pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Karpuzcu, Rahmet Ulya, 4 cr

4501 Communications Systems

(prereq 3025)

13235 001 LEC, 08:15am-09:30am TTh, STSS 330, instruction mode: Classroom; Mahmoodi PhD, Abolghassem B, 3 cr

4505 Communications Systems Laboratory

(prereq 4501 or Concurrent registration is required (or allowed) in 4501)

13236 001 LAB, 08:00am-09:55am M, KHKH 2-164, instruction mode: Classroom; , 1 cr

20727 002 LAB, 11:15am-01:10pm T, KHKH 2-164, instruction mode: Classroom; Mahmoodi PhD, Abolghassem B; , 1 cr

20761 003 LAB, 12:20pm-02:15pm Th, KHKH 2-164, instruction mode: Classroom; Mahmoodi PhD, Abolghassem B; , 1 cr

26492 004 LAB, 11:15am-01:10pm F, KHKH 2-164, instruction mode: Classroom; Mahmoodi PhD, Abolghassem B; , 1 cr

4541 Digital Signal Processing

(prereq [3015, 3025] or instr consent)

11005 001 LEC, 09:45am-11:00am TTh, SmithH 331, instruction mode: Classroom; Ebbini, Emad S, 3 cr

4721 Introduction to Power System Analysis

(prereq 2011)

19691 001 LEC, 04:00pm-05:15pm MW, KHKH 3-230, instruction mode: Classroom; Dhople, Sairaj, 3 cr

4722 Power System Analysis Laboratory

(prereq 4721 or Concurrent registration is required (or allowed) in 4721)

19692 001 LAB, 03:35pm-05:30pm T, KHKH 3-170, instruction mode: Classroom; EE 4722 does not meet during the first week of classes.; Dhople, Sairaj; , 1 cr

19693 002 LAB, 10:10am-12:05pm W, KHKH 3-170, instruction mode: Classroom; EE 4722 does not meet during the first week of classes.; Dhople, Sairaj; , 1 cr

4741 Power Electronics

(prereq 3015, 3115)

11301 001 LEC, 08:15am-09:30am MW, NichH 155, instruction mode: Classroom; Mohan, Ned, 3 cr

4743 Switch-Mode Power Electronics Laboratory

(prereq 4741 or Concurrent registration is required (or allowed) in 4741)

17124 002 LAB, 01:25pm-03:20pm W, KHKH 3-146, instruction mode: Classroom; EE 4743 does not meet during the first week of classes.; Mohan, Ned, 1 cr

17125 003 LAB, 03:35pm-05:30pm Th, KHKH 3-146, instruction mode: Classroom; EE 4743 does not meet during the first week of classes.; Mohan, Ned, 1 cr

4951W Senior Design Project

(prereq 3015, 3115, 3102, attendance first day of class; meets CLE req of Writing Intensive)

11331 001 LEC, 02:30pm-03:45pm TTh, KHKH 3-230, instruction mode: Classroom; note: attendance first day of class is mandatory.

4970 Directed Study

(max crs 12; 4 repeats allowed; prereq Cr ar [may be repeated for cr]; dept consent)

11332 001 IND, instruction mode: Classroom; Information on registration can be found in EE/CSci 3-166. No EE or CompE graduate level credit.; Cho, Jeong-Hyun, 1-3 cr

16607 002 IND, instruction mode: Classroom; Bazargan, Kia, 1-3 cr

16608 003 IND, instruction mode: Classroom; Campbell, Stephen A, 1-3 cr

16609 004 IND, instruction mode: Classroom; Cherkassky, Vladimir S, 1-3 cr

16611 006 IND, instruction mode: Classroom; Cohen, Philip I, 1-3 cr

16612 007 IND, instruction mode: Classroom; Franklin, Rhonda R., 1-3 cr

16613 008 IND, instruction mode: Classroom; Ebbini, Emad S, 1-3 cr

16614 009 IND, instruction mode: Classroom; Ernie, Douglas, 1-3 cr

16616 011 IND, instruction mode: Classroom; Georgiou, Tryphon T, 1-3 cr

16617 012 IND, instruction mode: Classroom; Giannakis, Georgios B, 1-3 cr

16618 013 IND, instruction mode: Classroom; Gopinath, Anand, 1-3 cr

16619 014 IND, instruction mode: Classroom; Harjani, Ramesh, 1-3 cr

16620 015 IND, instruction mode: Classroom; He, Bin, 1-3 cr

16621 016 IND, instruction mode: Classroom; Higman, Ted King, 1-3 cr

16623 018 IND, instruction mode: Classroom; Hubel, Allison, 1-3 cr

16624 019 IND, instruction mode: Classroom; Imbertson, Paul Jay, 1-3 cr

16626 021 IND, instruction mode: Classroom; Jacobs, Heinrich Otto Heiko, 1-3 cr

16627 022 IND, instruction mode: Classroom; Jindal, Nihar, 1-3 cr
 16628 023 IND, instruction mode: Classroom; Jovanovic, Mihailo, 1-3 cr
 16629 024 IND, instruction mode: Classroom; Kaveh, Mostafa, 1-3 cr
 16631 026 IND, instruction mode: Classroom; Kieffer, John C, 1-3 cr
 16633 028 IND, instruction mode: Classroom; Kim, Chris H., 1-3 cr
 16634 029 IND, instruction mode: Classroom; Kinney, Larry L, 1-3 cr
 16636 031 IND, instruction mode: Classroom; Leger, James Robert, 1-3 cr
 16637 032 IND, instruction mode: Classroom; Lilja, David J, 1-3 cr
 16638 033 IND, instruction mode: Classroom; Luo, Zhi-Quan, 1-3 cr
 16639 034 IND, instruction mode: Classroom; Mohan, Ned, 1-3 cr
 16640 035 IND, instruction mode: Classroom; Mounes-Toussi, Farnaz, 1-3 cr
 16641 036 IND, instruction mode: Classroom; Mazumdar, Arya, 1-3 cr
 16642 037 IND, instruction mode: Classroom; Oh, Sang-Hyun, 1-3 cr
 16644 039 IND, instruction mode: Classroom; Parhi, Keshab K., 1-3 cr
 16647 042 IND, instruction mode: Classroom; Posbergh, Thomas Alfred, 1-3 cr
 16648 043 IND, instruction mode: Classroom; Riedel, Marc, 1-3 cr
 16649 044 IND, instruction mode: Classroom; Robbins, William P, 1-3 cr
 16650 045 IND, instruction mode: Classroom; Rennolet, Charles Leon, 1-3 cr
 16651 046 IND, instruction mode: Classroom; Roumeliotis, Stergios, 1-3 cr
 16653 048 IND, instruction mode: Classroom; Ruden, P Paul, 1-3 cr
 16654 049 IND, instruction mode: Classroom; Sapatnekar, Sachin Suresh, 1-3 cr
 16655 050 IND, instruction mode: Classroom; salapaka, murti v, 1-3 cr
 16656 051 IND, instruction mode: Classroom; Sapiro, Guillermo R, 1-3 cr
 16657 052 IND, instruction mode: Classroom; Sobelman, Gerald Edward, 1-3 cr
 16658 053 IND, instruction mode: Classroom; Stadler, Bethanie J. Hills, 1-3 cr
 16659 054 IND, instruction mode: Classroom; Talghader, Joseph John, 1-3 cr
 16661 056 IND, instruction mode: Classroom; Tewfik, Ahmed Hossam, 1-3 cr
 16662 057 IND, instruction mode: Classroom; Victoria, Randall H, 1-3 cr
 17608 058 IND, instruction mode: Classroom; Wang, Jianping, 1-3 cr
 17609 059 IND, instruction mode: Classroom; Wollenberg, Bruce F, 1-3 cr
 17610 060 IND, instruction mode: Classroom; Tripathi, Anand R, 1-3 cr
 17611 061 IND, instruction mode: Classroom; Weissman, Jon B, 1-3 cr

4981H Senior Honors Project I

(prereq ECE honors, sr, instr consent; meets HON req of Honors)

11333 001 IND, 02:30pm-04:25pm T, STSS 330, instruction mode: Classroom; Ernie, Douglas, 2 cr

5041 Industrial Assignment for Graduate Students

(S-N; prereq Consent of Advisor and Office of the DGS)

26806 001 FWK, instruction mode: Classroom; Victoria, Randall H, 1 cr

5163 Semiconductor Properties and Devices I

(prereq [3161, 3601, CSE grad student] or dept consent)

11258 001 LEC, 11:15am-12:30pm WF, KHKH 3-125, instruction mode: Classroom; Koester, Steven J, 3 cr
 16748 883 LEC, 11:15am-12:30pm WF, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST

MEANS REGISTRATION MUST BE PROCESSED THRU UNITE DISTRIBUTED LEARNING.; Ruden, P Paul, 3 cr

5171 Microelectronic Fabrication

(prereq CSE grad student or dept consent)

11259 001 LEC, 04:00pm-05:15pm TTh, KHKH 3-125, instruction mode: Classroom; Campbell, Stephen A, 4 cr
 16794 883 LEC, 04:00pm-05:15pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THRU UNITE DISTRIBUTED LEARNING.; Campbell, Stephen A, 4 cr

5173 Basic Microelectronics Laboratory

(prereq [[5171 or Concurrent registration is required (or allowed) in 5171], CSE grad student] or dept consent)

11260 001 LAB, 01:25pm-04:25pm M, KHKH 1-165, instruction mode: Classroom; EE 5173 does not meet the first week of classes.; Campbell, Stephen A, 1 cr
 11261 003 LAB, 01:25pm-04:25pm W, KHKH 1-165, instruction mode: Classroom; EE 5173 does not meet the first week of classes.; Campbell, Stephen A, 1 cr

5231 Linear Systems and Optimal Control

(prereq [3015, CSE grad student] or instr consent)

11272 001 LEC, 11:15am-12:30pm TTh, MechE 212, instruction mode: Classroom; Meets with: 11604 AEM 5321; Lamperski, Andrew, 3 cr
 16787 883 LEC, 11:15am-12:30pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; salapaka, murti v, 3 cr

5251 Optimal Filtering and Estimation

(Credit will not be granted if credit has been received for: AEM 5451; prereq [[MATH 2243, STAT 3021] or equiv], CSE grad student] or dept consent ; 3025, 4231 recommended)

20067 001 LEC, 01:00pm-02:15pm TTh, KHKH 3-125, instruction mode: Classroom; Meets with: 18350 AEM 5451; Gebre Egziabher, Demoz, 3 cr
 20238 883 LEC, 01:00pm-02:15pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. Co-taught with AEM 5451; Georgiou, Tryphon T, 3 cr

5301 VLSI Design Automation I

(prereq [2301, CSE grad student] or dept consent)

11307 001 LEC, 01:00pm-02:15pm MW, KHKH 3-125, instruction mode: Classroom; Sapatnekar, Sachin Suresh, 3 cr
 16776 883 LEC, 01:00pm-02:15pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST

MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Sapatnekar, Sachin Suresh, 3 cr

5323 VLSI Design I

(prereq [2301, 3115, CSE grad student] or dept consent)

11020 001 LEC, 03:35pm-04:25pm MWF, MechE 108, instruction mode: Classroom; Kim, Chris H., 3 cr
 19164 883 LEC, 03:35pm-04:25pm MWF, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Kim, Chris H., 3 cr

5364 Advanced Computer Architecture

(Credit will not be granted if credit has been received for: CSCI 5204; prereq [[4363 or CSci 4203], CSE grad student] or dept consent; credit will not be granted if credit received for: 8365, CSci 8203)

20732 001 LEC, 01:00pm-02:15pm MW, MechE 108, instruction mode: Classroom; Meets with: 15647 CSCI 5204; Karpuzcu, Rahmet Ulya, 3 cr
 16781 883 LEC, 10:10am-11:00am MWF, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Yew, Pen-Chung, 3 cr

5501 Digital Communication

(prereq [3025, 4501, CSE grad student] or dept consent)

16144 001 LEC, 11:15am-12:30pm TTh, KHKH 3-115, instruction mode: Classroom; Sidiropoulos, Nikolaos, 3 cr
 17189 883 LEC, 11:15am-12:30pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Sidiropoulos, Nikolaos, 3 cr

5531 Probability and Stochastic Processes

(prereq [3025, CSE grad student] or dept consent)

11286 001 LEC, 11:15am-12:05pm MWF, KHKH 3-230, instruction mode: Classroom; Haupt, Jarvis David, 3 cr
 25670 883 LEC, 11:15am-12:05pm MWF, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Haupt, Jarvis David, 3 cr

5581 Information Theory and Coding

(prereq [5531, CSE grad student] or dept consent)

26355 001 LEC, 02:30pm-03:45pm TTh, KHKH 3-111, instruction mode: Classroom; Mohajer, Soheil, 3 cr
 26367 883 LEC, 08:15am-09:30am MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily

Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Mohajer, Soheil, 3 cr

5602 RF/Microwave Circuit Design

(prereq [5601 or equiv], [CSE grad student or instr consent])

34885 001 LEC, 04:00pm-05:15pm WF, MechE 102, instruction mode: Classroom; Franklin, Rhonda R., 3 cr

5624 Optical Electronics

(prereq [[3601 or Phys 3002], CSE grad student] or dept consent)

13238 001 LEC, 02:30pm-03:45pm TTh, MechE 102, instruction mode: Classroom; Li, Mo, 4 cr
21174 883 LEC, 02:30pm-03:45pm TTh, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees (\$100/per credit). Registration form(s) are found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Question: 612-624-2332 or 877-668-6483. SECTION NOT CLOSED - JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Gopinath, Anand, 4 cr

5653 Physical Principles of Magnetic Materials

(prereq CSE grad student or dept consent)

11328 001 LEC, 02:30pm-03:20pm MWF, MechE 102, instruction mode: Classroom; Victoria, Randall H, 3 cr
16763 883 LEC, 02:30pm-03:20pm MWF, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Victoria, Randall H, 3 cr

5990 Curricular Practical Training

(max crs 6; 3 repeats allowed; S-N only; prereq Grad student, instr consent)

14723 001 FWK, instruction mode: Classroom; Amin, Massoud, 1-2 cr
16663 002 FWK, instruction mode: Classroom; Bazargan, Kia, 1-2 cr
16664 003 FWK, instruction mode: Classroom; Campbell, Stephen A, 1-2 cr
16665 004 FWK, instruction mode: Classroom; Cherkassky, Vladimir S, 1-2 cr
16666 005 FWK, instruction mode: Classroom; Dhople, Sairaj, 1-2 cr
16667 006 FWK, instruction mode: Classroom; Cohen, Philip I, 1-2 cr
16668 007 FWK, instruction mode: Classroom; Franklin, Rhonda R., 1-2 cr
16669 008 FWK, instruction mode: Classroom; Ebbini, Emad S, 1-2 cr
16670 009 FWK, instruction mode: Classroom; Ernie, Douglas, 1-2 cr
16671 010 FWK, instruction mode: Classroom; Cho, Jeong-Hyun, 1-2 cr
16672 011 FWK, instruction mode: Classroom; Georgiou, Tryphon T, 1-2 cr
16673 012 FWK, instruction mode: Classroom; Giannakis, Georgios B, 1-2 cr
16674 013 FWK, instruction mode: Classroom; Gopinath, Anand, 1-2 cr
16675 014 FWK, instruction mode: Classroom; Harjani, Ramesh, 1-2 cr
16676 015 FWK, instruction mode: Classroom; He, Bin, 1-2 cr
16677 016 FWK, instruction mode: Classroom; Higman, Ted King, 1-2 cr
16678 017 FWK, instruction mode: Classroom; Haupt, Jarvis David, 1-2 cr

16679 018 FWK, instruction mode: Classroom; Hubel, Allison, 1-2 cr
16680 019 FWK, instruction mode: Classroom; Imbertson, Paul Jay, 1-2 cr
16681 020 FWK, instruction mode: Classroom, 1-2 cr
16682 021 FWK, instruction mode: Classroom; Jacobs, Heinrich Otto Heiko, 1-2 cr
16683 022 FWK, instruction mode: Classroom; Jindal, Nihar, 1-2 cr
16684 023 FWK, instruction mode: Classroom; Jovanovic, Mihailo, 1-2 cr
16685 024 FWK, instruction mode: Classroom; Kaveh, Mostafa, 1-2 cr
16686 025 FWK, instruction mode: Classroom, 1-2 cr
16687 026 FWK, instruction mode: Classroom; Kieffer, John C, 1-2 cr
16688 027 FWK, instruction mode: Classroom, 1-2 cr
16689 028 FWK, instruction mode: Classroom; Kim, Chris H., 1-2 cr
16690 029 FWK, instruction mode: Classroom; Kinney, Larry L, 1-2 cr
16691 030 FWK, instruction mode: Classroom; Koester, Steven J, 1-2 cr
16692 031 FWK, instruction mode: Classroom; Leger, James Robert, 1-2 cr
16693 032 FWK, instruction mode: Classroom; Lilja, David J, 1-2 cr
16694 033 FWK, instruction mode: Classroom; Luo, Zhi-Quan, 1-2 cr
16695 034 FWK, instruction mode: Classroom; Mohan, Ned, 1-2 cr
16696 035 FWK, instruction mode: Classroom; Mounes-Toussi, Farnaz, 1-2 cr
16697 036 FWK, instruction mode: Classroom; Moon, Jaekyun, 1-2 cr
16698 037 FWK, instruction mode: Classroom; Oh, Sang-Hyun, 1-2 cr
16699 038 FWK, instruction mode: Classroom, 1-2 cr
16700 039 FWK, instruction mode: Classroom; Parhi, Keshab K., 1-2 cr
16701 040 FWK, instruction mode: Classroom; Mazumdar, Arya, 1-2 cr
16702 041 FWK, instruction mode: Classroom, 1-2 cr
16703 042 FWK, instruction mode: Classroom; Posbergh, Thomas Alfred, 1-2 cr
16704 043 FWK, instruction mode: Classroom; Riedel, Marc, 1-2 cr
16705 044 FWK, instruction mode: Classroom; Robbins, William P, 1-2 cr
16706 045 FWK, instruction mode: Classroom; Rennolet, Charles Leon, 1-2 cr
16707 046 FWK, instruction mode: Classroom; Roumeliotis, Stergios, 1-2 cr
16708 047 FWK, instruction mode: Classroom; Sartori, John M, 1-2 cr
16709 048 FWK, instruction mode: Classroom; Ruden, P Paul, 1-2 cr
16710 049 FWK, instruction mode: Classroom; Sapatnekar, Sachin Suresh, 1-2 cr
16711 050 FWK, instruction mode: Classroom; salapaka, murti v, 1-2 cr
16712 051 FWK, instruction mode: Classroom; Sidiropoulos, Nikolaos, 1-2 cr
16713 052 FWK, instruction mode: Classroom; Sobelman, Gerald Edward, 1-2 cr
16714 053 FWK, instruction mode: Classroom; Stadler, Bethanie J. Hills, 1-2 cr
16715 054 FWK, instruction mode: Classroom; Talghader, Joseph John, 1-2 cr
16716 055 FWK, instruction mode: Classroom; Talkachova, Alena, 1-2 cr
16717 056 FWK, instruction mode: Classroom; Tewfik, Ahmed Hossam, 1-2 cr
16718 057 FWK, instruction mode: Classroom; Victoria, Randall H, 1-2 cr
16745 058 FWK, instruction mode: Classroom; Wang, Jianping, 1-2 cr
16746 059 FWK, instruction mode: Classroom; Wollenberg, Bruce F, 1-2 cr
16747 060 FWK, instruction mode: Classroom; Papanikolopoulos, Nikolaos P, 1-2 cr
16748 061 FWK, instruction mode: Classroom; He, Tian, 1-2 cr
18104 062 FWK, instruction mode: Classroom; Zhang, Zhi-Li, 1-2 cr
18105 063 FWK, instruction mode: Classroom; Zhai, Antonia Bingheng, 1-2 cr

8161 Physics of Semiconductors

(prereq instr consent)

34886 001 LEC, 09:45am-11:00am TTh, MechE 102, instruction mode: Classroom; Ruden, P Paul, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13963 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14363 001 IND, instruction mode: Classroom, 1 cr

8500 Seminar: Communications

(max crs 3; 3 repeats allowed; S-N only)

17600 1001 LEC, 05:35pm-06:50pm Th, AkerH 313, instruction mode: Classroom; Giannakis, Georgios B, 1 cr

8660 Seminar: Magnetism

(max crs 3; 3 repeats allowed; S-N only)

11760 001 LEC, 01:25pm-02:15pm F, KHKH 3-125, instruction mode: Classroom; Victoria, Randall H, 1 cr
16742 883 LEC, 01:25pm-02:15pm F, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Victoria, Randall H, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14218 001 IND, instruction mode: Classroom, 1-6 cr

8725 Advanced Power System Analysis and Economics

(prereq 4721, CSE grad student or instr consent)

34888 001 LEC, 04:00pm-05:15pm TTh, VinH 213, instruction mode: Classroom; Wollenberg, Bruce F, 3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14303 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13738 001 IND, instruction mode: Classroom, 1-24 cr

8940 Special Investigations

(max crs 3; prereq 1-3 cr [may be repeated for cr]; IT grad student or instr consent)

11329 001 IND, instruction mode: Classroom; Amin, Massoud, 1-3 cr
18249 002 IND, instruction mode: Classroom; Bazargan, Kia, 1-3 cr
18250 003 IND, instruction mode: Classroom; Campbell, Stephen A, 1-3 cr
18251 004 IND, instruction mode: Classroom; Cherkassky, Vladimir S, 1-3 cr
18252 005 IND, instruction mode: Classroom; Dhople, Sairaj, 1-3 cr
18253 006 IND, instruction mode: Classroom; Cohen, Philip I, 1-3 cr
18254 007 IND, instruction mode: Classroom; Franklin, Rhonda R., 1-3 cr
18255 008 IND, instruction mode: Classroom; Ebbini, Emad S, 1-3 cr
18256 009 IND, instruction mode: Classroom; Ernie, Douglas, 1-3 cr
18257 010 IND, instruction mode: Classroom; , 1-3 cr
18258 011 IND, instruction mode: Classroom; Georgiou, Tryphon T, 1-3 cr
18259 012 IND, instruction mode: Classroom; Giannakis, Georgios B, 1-3 cr
18260 013 IND, instruction mode: Classroom; Gopinath, Anand, 1-3 cr
18261 014 IND, instruction mode: Classroom; Harjani, Ramesh, 1-3 cr
18262 015 IND, instruction mode: Classroom; He, Bin, 1-3 cr
18263 016 IND, instruction mode: Classroom; Higman, Ted King, 1-3 cr
18264 017 IND, instruction mode: Classroom; Holte, James Edward, 1-3 cr
18265 018 IND, instruction mode: Classroom; Hubel, Allison, 1-3 cr
18266 019 IND, instruction mode: Classroom; Imbertson, Paul Jay, 1-3 cr
18267 020 IND, instruction mode: Classroom; , 1-3 cr

18268 021 IND, instruction mode: Classroom; Jacobs, Heinrich Otto Heiko, 1-3 cr
 18269 022 IND, instruction mode: Classroom; Jindal, Nihar, 1-3 cr
 18270 023 IND, instruction mode: Classroom; Jovanovic, Mihailo, 1-3 cr
 18271 024 IND, instruction mode: Classroom; Kaveh, Mostafa, 1-3 cr
 18272 025 IND, instruction mode: Classroom; , 1-3 cr
 18273 026 IND, instruction mode: Classroom; Kieffer, John C., 1-3 cr
 18274 027 IND, instruction mode: Classroom, 1-3 cr
 18275 028 IND, instruction mode: Classroom; Kim, Chris H., 1-3 cr
 18276 029 IND, instruction mode: Classroom; Kinney, Larry L., 1-3 cr
 18277 030 IND, instruction mode: Classroom; , 1-3 cr
 18278 031 IND, instruction mode: Classroom; Leger, James Robert, 1-3 cr
 18279 032 IND, instruction mode: Classroom; Lilja, David J., 1-3 cr
 18280 033 IND, instruction mode: Classroom; Luo, Zhi-Quan, 1-3 cr
 18281 034 IND, instruction mode: Classroom; Mohan, Ned, 1-3 cr
 18282 035 IND, instruction mode: Classroom; Mazumdar, Arya, 1-3 cr
 18283 036 IND, instruction mode: Classroom, 1-3 cr
 18284 037 IND, instruction mode: Classroom, 1-3 cr
 18285 038 IND, instruction mode: Classroom, 1-3 cr
 18286 039 IND, instruction mode: Classroom, 1-3 cr
 18287 040 IND, instruction mode: Classroom, 1-3 cr
 18288 041 IND, instruction mode: Classroom, 1-3 cr
 18289 042 IND, instruction mode: Classroom, 1-3 cr
 18290 043 IND, instruction mode: Classroom, 1-3 cr
 18291 044 IND, instruction mode: Classroom, 1-3 cr
 18292 045 IND, instruction mode: Classroom, 1-3 cr
 18293 046 IND, instruction mode: Classroom, 1-3 cr
 18294 047 IND, instruction mode: Classroom, 1-3 cr
 18295 048 IND, instruction mode: Classroom, 1-3 cr
 18296 049 IND, instruction mode: Classroom, 1-3 cr
 18297 050 IND, instruction mode: Classroom, 1-3 cr
 18298 051 IND, instruction mode: Classroom, 1-3 cr
 18299 052 IND, instruction mode: Classroom, 1-3 cr
 18300 053 IND, instruction mode: Classroom, 1-3 cr
 18301 054 IND, instruction mode: Classroom, 1-3 cr
 18302 055 IND, instruction mode: Classroom; , 1-3 cr
 18303 056 IND, instruction mode: Classroom, 1-3 cr
 18304 057 IND, instruction mode: Classroom, 1-3 cr
 18305 058 IND, instruction mode: Classroom, 1-3 cr
 18306 059 IND, instruction mode: Classroom, 1-3 cr
 18307 060 IND, instruction mode: Classroom; Sartori, John M., 1-3 cr
 18308 061 IND, instruction mode: Classroom, 1-3 cr
 18309 062 IND, instruction mode: Classroom, 1-3 cr

8950 Advanced Topics in Electrical and Computer Engineering

(max crs 12; 4 repeats allowed; prereq Cr ar [may be repeated for cr]; instr consent)

34889 001 LEC, 04:00pm-05:15pm MW, KHKH 3-111, instruction mode: Classroom; Oh, Sang-Hyun, 1-3 cr

8965 Plan C Project I

(prereq Grad EE major)

17795 001 IND, instruction mode: Independent/Directed Studies; Amin, Massoud, 3 cr
 17796 002 IND, instruction mode: Independent/Directed Studies; Bazargan, Kia, 3 cr
 17797 003 IND, instruction mode: Independent/Directed Studies; Campbell, Stephen A., 3 cr
 17798 004 IND, instruction mode: Independent/Directed Studies; Cherkassky, Vladimir S., 3 cr
 17799 005 IND, instruction mode: Independent/Directed Studies; Dhople, Sairaj, 3 cr
 17800 006 IND, instruction mode: Independent/Directed Studies; Cohen, Philip I., 3 cr
 17801 007 IND, instruction mode: Independent/Directed Studies; Franklin, Rhonda R., 3 cr
 17802 008 IND, instruction mode: Independent/Directed Studies; Ebbini, Emad S., 3 cr
 17803 009 IND, instruction mode: Independent/Directed Studies; Ernie, Douglas, 3 cr
 17804 010 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17805 011 IND, instruction mode: Independent/Directed Studies; Georgiou, Tryphon T., 3 cr
 17806 012 IND, instruction mode: Independent/Directed Studies; Giannakis, Georgios B., 3 cr
 17807 013 IND, instruction mode: Independent/Directed Studies; Gopinath, Anand, 3 cr
 17808 014 IND, instruction mode: Independent/Directed Studies; Harjani, Ramesh, 3 cr
 17809 015 IND, instruction mode: Independent/Directed Studies; He, Bin, 3 cr
 17810 016 IND, instruction mode: Independent/Directed Studies; Higman, Ted King, 3 cr

17811 017 IND, instruction mode: Independent/Directed Studies; Holte, James Edward, 3 cr
 17812 018 IND, instruction mode: Independent/Directed Studies; Hubel, Allison, 3 cr
 17813 019 IND, instruction mode: Independent/Directed Studies; Imbertson, Paul Jay, 3 cr
 17814 020 IND, instruction mode: Independent/Directed Studies; Haupt, Jarvis David, 3 cr
 17815 021 IND, instruction mode: Independent/Directed Studies; Jacobs, Heinrich Otto Heiko, 3 cr
 17816 022 IND, instruction mode: Independent/Directed Studies; Jindal, Nihar, 3 cr
 17817 023 IND, instruction mode: Independent/Directed Studies; Jovanovic, Mihailo, 3 cr
 17818 024 IND, instruction mode: Independent/Directed Studies; Kaveh, Mostafa, 3 cr
 17819 025 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17820 026 IND, instruction mode: Independent/Directed Studies; Kieffer, John C., 3 cr
 17821 027 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17822 028 IND, instruction mode: Independent/Directed Studies; Kim, Chris H., 3 cr
 17823 029 IND, instruction mode: Independent/Directed Studies; Kinney, Larry L., 3 cr
 17824 030 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17825 031 IND, instruction mode: Independent/Directed Studies; Leger, James Robert, 3 cr
 17826 032 IND, instruction mode: Independent/Directed Studies; Lilja, David J., 3 cr
 17827 033 IND, instruction mode: Independent/Directed Studies; Luo, Zhi-Quan, 3 cr
 17828 034 IND, instruction mode: Independent/Directed Studies; Mohan, Ned, 3 cr
 17829 035 IND, instruction mode: Independent/Directed Studies; Mazumdar, Arya, 3 cr
 17830 036 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17831 037 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17832 038 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17833 039 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17834 040 IND, instruction mode: Independent/Directed Studies; Parhi, Keshab K., 3 cr
 17835 041 IND, instruction mode: Independent/Directed Studies; Wollenberg, Bruce F., 3 cr
 17836 042 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17837 043 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17838 044 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17839 045 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17840 046 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17841 047 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17842 048 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17843 049 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17844 050 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17845 051 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17846 052 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17847 053 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17848 054 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17849 055 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17850 056 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17851 057 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17852 058 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17853 059 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17854 060 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17855 061 IND, instruction mode: Independent/Directed Studies; , 3 cr
 17860 066 IND, instruction mode: Independent/Directed Studies; , 3 cr
 20264 067 IND, instruction mode: Independent/Directed Studies; , 3 cr

8967 Plan C Project II

(max crs 3; prereq EE grad student)

17863 001 IND, instruction mode: Independent/Directed Studies; Amin, Massoud, 1-3 cr
 17864 002 IND, instruction mode: Independent/Directed Studies; Bazargan, Kia, 1-3 cr
 17865 003 IND, instruction mode: Independent/Directed Studies; Campbell, Stephen A., 1-3 cr
 17866 004 IND, instruction mode: Independent/Directed Studies; Cherkassky, Vladimir S., 1-3 cr
 17867 005 IND, instruction mode: Independent/Directed Studies; Dhople, Sairaj, 1-3 cr
 17868 006 IND, instruction mode: Independent/Directed Studies; Cohen, Philip I., 1-3 cr
 17869 007 IND, instruction mode: Independent/Directed Studies; Franklin, Rhonda R., 1-3 cr
 17870 008 IND, instruction mode: Independent/Directed Studies; Ebbini, Emad S., 1-3 cr
 17871 009 IND, instruction mode: Independent/Directed Studies; Ernie, Douglas, 1-3 cr
 17872 010 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17873 011 IND, instruction mode: Independent/Directed Studies; Georgiou, Tryphon T., 1-3 cr
 17874 012 IND, instruction mode: Independent/Directed Studies; Giannakis, Georgios B., 1-3 cr
 17875 013 IND, instruction mode: Independent/Directed Studies; Gopinath, Anand, 1-3 cr
 17876 014 IND, instruction mode: Independent/Directed Studies; Harjani, Ramesh, 1-3 cr
 17877 015 IND, instruction mode: Independent/Directed Studies; He, Bin, 1-3 cr
 17878 016 IND, instruction mode: Independent/Directed Studies; Higman, Ted King, 1-3 cr
 17879 017 IND, instruction mode: Independent/Directed Studies; Holte, James Edward, 1-3 cr
 17880 018 IND, instruction mode: Independent/Directed Studies; Hubel, Allison, 1-3 cr
 17881 019 IND, instruction mode: Independent/Directed Studies; Imbertson, Paul Jay, 1-3 cr
 17882 020 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17883 021 IND, instruction mode: Independent/Directed Studies; Jacobs, Heinrich Otto Heiko, 1-3 cr
 17884 022 IND, instruction mode: Independent/Directed Studies; Jindal, Nihar, 1-3 cr
 17885 023 IND, instruction mode: Independent/Directed Studies; Jovanovic, Mihailo, 1-3 cr
 17886 024 IND, instruction mode: Independent/Directed Studies; Kaveh, Mostafa, 1-3 cr
 17887 025 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17888 026 IND, instruction mode: Independent/Directed Studies; Kieffer, John C., 1-3 cr
 17889 027 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17890 028 IND, instruction mode: Independent/Directed Studies; Kim, Chris H., 1-3 cr
 17891 029 IND, instruction mode: Independent/Directed Studies; Kinney, Larry L., 1-3 cr
 17892 030 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17893 031 IND, instruction mode: Independent/Directed Studies; Leger, James Robert, 1-3 cr
 17894 032 IND, instruction mode: Independent/Directed Studies; Lilja, David J., 1-3 cr
 17895 033 IND, instruction mode: Independent/Directed Studies; Luo, Zhi-Quan, 1-3 cr
 17896 034 IND, instruction mode: Independent/Directed Studies; Mohan, Ned, 1-3 cr
 17897 035 IND, instruction mode: Independent/Directed Studies; Mazumdar, Arya, 1-3 cr
 17898 036 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17899 037 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17900 038 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17901 039 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17902 040 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17903 041 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17904 042 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17905 043 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17906 044 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17907 045 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17908 046 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 17909 047 IND, instruction mode: Independent/Directed Studies; , 1-3 cr

17910 048 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17911 049 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17912 050 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17913 051 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17914 052 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17915 053 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17916 054 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17917 055 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17918 056 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17919 057 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17920 058 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17921 059 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17922 060 IND, instruction mode: Independent/Directed Studies, 1-3 cr
 17923 061 IND, instruction mode: Independent/Directed Studies, 1-3 cr

8970 Graduate Seminar I

(max crs 3; 3 repeats allowed; S-N only; prereq Grad student)

11330 001 LEC, 04:00pm-05:00pm Th, KHKH 3-230, instruction mode: Classroom; Ruden, P Paul, 1 cr

EMERGENCY MEDICINE (EmMd)

A625 Mayo (Box 911 UMHC), 420 Delaware Street, East Bank Campus, Minneapolis, MN, 55455
 612/626-6911

7400 Emergency Medicine, Duluth Elective (H-N)

17438 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 4 cr

7500 Emergency Medicine: Core Course

(max crs 78; 13 repeats allowed; HNV; prereq Successful completion of [basic medicine, surgery] rotations is recommended)

13604 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 4-6 cr

7512 Emergency Medicine BS: Bedside Ultrasound for the Clinician

(max crs 8; H-N)

20278 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr

7521 Research in Emergency Medicine

(max crs 9; HNV; prereq Interested students must contact Dr. Michelle Biros at least 6 weeks before they intend to begin this elective; an updated "Current Projects" list is available for ongoing research activity and areas of interest for all three practice sites(HC,SR,FU).)

13635 001 IND, 08/03/15-12/23/15, instruction mode: Classroom, 2-9 cr

7571 Clinical Toxicology and Emergency Medicine

(HNV; prereq Med 7501 recommended)

12456 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 4 cr

7600 Advanced Emergency Medicine: Career Track

(max crs 8; HNV; prereq 7500)

14965 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr

17024 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr

ENDODONTICS (Endo)

15-209 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-9982, <http://www.dentistry.umn.edu>

5305 Advanced Clinical Endodontics

(max crs 6; A-F only; prereq 5304)

13637 001 FWK, instruction mode: Classroom; MoosT 8-166; McClanahan, Scott B, 1-6 cr

5308 Advanced Clinical Endodontics

(max crs 6; A-F only; prereq 5307, dept consent)

13639 001 FWK, instruction mode: Classroom; MoosT 8-166; McClanahan, Scott B, 1-6 cr

5312 Advanced Endodontic Emergency

(S-N only; prereq 5311)

13638 001 FWK, instruction mode: Classroom; McClanahan, Scott B, 1 cr

5315 Advanced Endodontic Emergency

(S-N only; prereq 5314, dept consent)

13692 001 FWK, instruction mode: Classroom; MoosT 8-166; McClanahan, Scott B, 1 cr

5329 Clinical Seminar I

(A-F only; prereq dept consent)

13639 001 DIS, instruction mode: Classroom; MoosT 8-166; McClanahan, Scott B, 1 cr

5331 Review of Cases

(A-F only; prereq 5330)

13640 001 DIS, instruction mode: Classroom; MoosT 8-166; McClanahan, Scott B, 1 cr

8001 Research in Endodontics

(max crs 2; prereq dept consent)

14732 001 IND, instruction mode: Classroom; MoosT 8-160, 1-2 cr

8004 Research in Endodontics

(max crs 2; prereq dept consent)

14550 001 IND, instruction mode: Classroom; MoosT 8-160; Bowles, Walter Ray, 1-2 cr

8310 Literature Review

(A-F only; prereq dept consent)

13641 001 LEC, instruction mode: Classroom; McClanahan, Scott B, 2 cr

8312 Literature Review

(A-F only; prereq 8311)

13642 001 LEC, instruction mode: Classroom; McClanahan, Scott B, 2 cr

8320 Advanced Endodontic Lecture

(A-F only; prereq dept consent)

13643 001 LEC, instruction mode: Classroom; Bowles, Walter Ray, 1 cr

8322 Advanced Endodontic Lecture

(A-F only; prereq 8321)

13644 001 LEC, instruction mode: Classroom; Bowles, Walter Ray, 1 cr

ENGLISH AS A SECOND LANGUAGE (ESL)

160 McNamara Center, 200 Oak Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/624-1503, <http://www.cce.umn.edu/esl>

10 Beginning Grammar

(4 repeats allowed; S-N only; prereq Non-native English speaker)

23254 001 LEC, 09:05am-09:55am MTWThF, KoltH 132, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 23255 ESL 10, 0 cr

20 Beginning Reading and Composition

(4 repeats allowed; S-N only; prereq Non-native English speaker)

23256 001 LEC, 10:10am-12:05pm MTWThF, KoltH 134, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 23257 ESL 20, 0 cr

30 Beginning Oral Skills

(4 repeats allowed; S-N only; prereq Non-native English speaker)

23258 001 LEC, 02:30pm-04:25pm MTWThF, KoltH 133, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 23259 ESL 30, 0 cr

110 High-Beginning Grammar

(4 repeats allowed; S-N only; prereq Non-native English speaker)

20488 001 LEC, 09:05am-09:55am MTWThF, KoltH 133, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624.1503.; Meets with: 20489 ESL 110, 0 cr

120 High-Beginning Reading and Composition

(4 repeats allowed; S-N only; prereq Non-native English speaker)

20490 001 LEC, 10:10am-12:05pm MTWThF, KoltH 132, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624.1503.; Meets with: 20491 ESL 120, 0 cr

130 High Beginning Oral Skills

(3 repeats allowed; S-N only; prereq Non-native speaker of English)

20492 001 LEC, 02:30pm-04:25pm MTWThF, KoltH 132, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624.1503.; Meets with: 20493 ESL 130, 0 cr

210 Intermediate Grammar

(4 repeats allowed; S-N only; prereq Non-native speaker of English)

20494 001 LEC, 12:20pm-01:10pm MTWThF, KoltH 132, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624.1503.; Meets with: 20495 ESL 210, 0 cr

20496 002 LEC, 12:20pm-01:10pm MTWThF, KoltH 133, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624.1503., 0 cr

220 Intermediate Reading and Composition

(4 repeats allowed; S-N only; prereq Nonnative English speaker)

20641 001 LEC, 10:10am-12:05pm MTWThF, KoltH 133, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624.1503.; Meets with: 20642 ESL 220, 0 cr

20643 002 LEC, 10:10am-12:05pm MTWThF, Room TBA, TCEASTBANK, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624.1503., 0 cr

230 Intermediate Oral Skills

(4 repeats allowed; S-N only; prereq Nonnative English speaker)

20644 001 LEC, 02:30pm-04:25pm MTWThF, KoltH 135, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 20645 ESL 230, 0 cr

20646 002 LEC, 02:30pm-04:25pm MTWThF, Room TBA, TCWESTBANK, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr

310 Advanced Grammar

(4 repeats allowed; S-N only; prereq Non-native speaker of English)

20647 001 LEC, 12:20pm-01:10pm MTWThF, KoltH 134, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 20648 ESL 310, 0 cr

20649 002 LEC, 12:20pm-01:10pm MTWThF, Room TBA, TCWESTBANK, instruction mode: Classroom; This class is for students in the Intensive English Program. Please

contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
24584 003 LEC, 12:20pm-01:10pm MTWThF, Room TBA, TCWESTBANK, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr

320 Advanced Reading and Composition (4 repeats allowed; S-N only; prereq Non-native speaker of English)

19718 001 LEC, 08:00am-09:55am MWF, ApH 219, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 19720 ESL 320, 0 cr
19719 002 LEC, 08:00am-09:55am MWF, ApH 303, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
24585 003 LEC, 08:00am-09:55am MWF, ApH 3, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr

330 Advanced Oral Skills

(4 repeats allowed; S-N only; prereq Non-native speaker of English)

001 LEC, 02:30pm-04:25pm TTh, HHHctr 15, instruction mode: Classroom; Register for discussion section 002.; Meets with: 19727 ESL 330
19724 002 DIS, 03:35pm-04:25pm F, KoltH 139, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 19728 ESL 330, 0 cr
003 LEC, 02:30pm-04:25pm TTh, Room TBA, TCWESTBANK, instruction mode: Classroom; Register for discussion section 004.
19726 004 DIS, 03:35pm-04:25pm F, FordH 127, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
005 LEC, 02:30pm-04:25pm TTh, Room TBA, TCWESTBANK, instruction mode: Classroom; Register for discussion section 006.
24587 006 DIS, 03:35pm-04:25pm F, KoltH 140, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr

410 English Grammar for Academic Purposes

(4 repeats allowed; S-N only; prereq Non-native speaker of English)

20650 001 LEC, 12:20pm-01:10pm MTWThF, KoltH 135, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 20651 ESL 410, 0 cr
24577 002 LEC, 12:20pm-01:10pm MTWThF, Room TBA, TCWESTBANK, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
27323 003 LEC, 12:20pm-01:10pm MTWThF, Room TBA, TCEASTBANK, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr

420 High Advanced Reading/Composition (4 repeats allowed; S-N only; prereq Non-native speaker of English)

18440 001 LEC, 08:00am-09:55am MWF, SmithH 121, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 19721 ESL 420, 0 cr
24580 002 LEC, 08:00am-09:55am MWF, ApH 11, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
25315 003 LEC, 08:00am-09:55am MWF, ApH 319, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr

430 High Advanced Oral Skills

(4 repeats allowed; S-N only; prereq Non-native speaker of English)

001 LEC, 10:10am-12:05pm TTh, Room TBA, TCWESTBANK, instruction mode: Classroom; Register for discussion section 002.; Meets with: 19731 ESL 430
19730 002 DIS, 10:10am-11:00am F, FordH 155, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 19732 ESL 430, 0 cr
003 LEC, 10:10am-12:05pm TTh, Room TBA, TCWESTBANK, instruction mode: Classroom; Register for discussion section 004.
24582 004 DIS, 10:10am-11:00am F, FolH 6, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
005 LEC, 10:10am-12:05pm TTh, Room TBA, TCWESTBANK, instruction mode: Classroom; Register for discussion section 006.
25317 006 DIS, 10:10am-11:00am F, AmundH 104, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr

900 Current Issues in the Media

(10 repeats allowed; S-N only; prereq Non-native speaker of English)

001 LEC, 02:30pm-04:25pm MW, AmundH 156, instruction mode: Classroom; Register for discussion section 002.; Meets with: 20654 ESL 900
20653 002 DIS, 02:30pm-03:20pm F, KoltH 138, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 20655 ESL 900, 0 cr
003 LEC, 02:30pm-04:25pm MW, NichH 110, instruction mode: Classroom; Register for discussion section 004.
20657 004 DIS, 02:30pm-03:20pm F, KoltH 139, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
005 LEC, 08:00am-09:55am TTh, BlegH 105, instruction mode: Classroom; Register for discussion section 006.
22834 006 DIS, 11:15am-12:05pm F, FordH 155, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
007 LEC, 08:00am-09:55am TTh, HHHctr 60, instruction mode: Classroom; Register for section 008.
24716 008 DIS, 11:15am-12:05pm F, FordH 151, instruction mode: Classroom, 0 cr

902 Academic Skills for the American University

(10 repeats allowed; S-N only; prereq Non-native speaker of English)

20658 001 LEC, 11:15am-12:05pm MTWTh, Room TBA, TCEASTBANK, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 20659 ESL 902, 0 cr
20660 002 LEC, 01:25pm-02:15pm MTWTh, KoltH 132, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
24554 003 LEC, 01:25pm-02:15pm MTWTh, KoltH 133, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
25366 004 LEC, 01:25pm-02:15pm MTWTh, KoltH 134, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr

903 Business English

(10 repeats allowed; S-N only; prereq Non-native English speaker)

22835 001 LEC, 04:40pm-06:35pm TTh, AmundH 116, 10/27/15-12/16/15, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 22836 ESL 903, 0 cr

904 TOEFL Preparation

(S-N only)

19313 001 LEC, 04:40pm-06:35pm MW, KoltH 133, 09/08/15-10/26/15, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr
22254 002 LEC, 04:40pm-06:35pm MW, FordH B60, 10/27/15-12/16/15, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503., 0 cr

906 English for Business Interactions

(S-N only; prereq Non-native English speaker)

24310 001 LEC, 04:40pm-06:35pm M, HHHctr 35, 02:30pm-03:20pm F, HHHctr 184, instruction mode: Classroom; Meets with ESL 3006; Meets with: 24309 ESL 3006, 24312 ESL 5006, 0 cr

907 English for Science and Engineering

(S-N only; prereq Non-native English Speaker, dept consent)

27329 001 LEC, 09/08/15-10/26/15, instruction mode: Classroom; Meets with: 27330 ESL 907, 0 cr

921 Academic Writing

(3 repeats allowed; S-N only; prereq Non-native speaker of English)

23306 002 LEC, 08:00am-09:55am TTh, ApH 319, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 23305 ESL 3302, 0 cr

931 Academic Speaking

(3 repeats allowed; S-N only; prereq Non-native speaker of English)

20661 001 LEC, 04:40pm-06:35pm TTh, KoltH 134, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 18438 ESL 3602, 20662 ESL 931, 0 cr

941 Research Writing for the American University

(S-N; prereq [Non-native speaker of English, [TOEFL iBT 79 or IELTS 6.5 or MNBatt 80 or equiv]] or dept consent)

20809 001 LEC, 08:00am-09:55am MW, PeikH 155, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 20810 ESL 3402, 21267 ESL 941, 0 cr

951 Pronunciation

(S-N only; prereq Non-native speaker of English)

20663 001 LEC, 04:40pm-06:35pm MW, KoltH 134, instruction mode: Classroom; This class is for students in the Intensive English Program. Please contact the Minnesota English Language Program to apply and register at esl@umn.edu or 612-624-1503.; Meets with: 17271 ESL 3551, 20664 ESL 951, 0 cr

3001 Integrated Skills for Academic English

(max crs 4; prereq Non-native speaker of English)

20665 001 LEC, 04:40pm-06:35pm MW, KoltH 133, 10/27/15-12/16/15, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent., 2 cr

3006 English for Business Interactions

(max crs 4; prereq Non-native English speaker)

24309 001 LEC, 04:40pm-06:35pm M, HHHctr 35, 02:30pm-03:20pm F, HHHctr 184, instruction mode: Classroom; Meets with: 24310 ESL 906, 24312 ESL 5006, 2 cr
27320 002 LEC, 04:40pm-06:35pm T, KoltH 132, 01:25pm-02:15pm F, KoltH 132, instruction mode: Classroom, 2 cr

3007 English for Physics

(prereq Non-native English speaker)

34515 001 LEC, 01:25pm-03:20pm F, AmundH 104, 09/08/15-10/26/15, instruction mode: Classroom, 1 cr

3102 English Grammar for Academic Purposes

(max crs 8; prereq 3101, [Non-native speaker of English, [C-TOEFL score of at least 190 or equiv], dept consent)

18772 001 LEC, 08:00am-08:50am MTWTh, KoltH 132, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent., 4 cr

3202 Academic Reading and Composition
(max crs 10; prereq 3201, Non-native speaker of English, [IBT score of at least 68 or equiv], dept consent)

001 LEC, 12:20pm-02:15pm MW, PeikH 375, instruction mode: Classroom; Register for discussion section 002.
18752 002 DIS, 12:20pm-01:10pm F, AmundH 104, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent., 5 cr
003 LEC, 08:00am-09:55am TTh, VinH 364, instruction mode: Classroom; Register for discussion section 004.
19734 004 DIS, 08:00am-08:50am F, KoltH 132, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent., 5 cr
1005 LEC, 04:40pm-06:35pm MW, KoltH 132, instruction mode: Classroom; Register for discussion section 006.
19736 1006 DIS, 04:40pm-05:30pm F, KoltH 133, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent., 5 cr

3302 Writing for Academic Purposes

(max crs 8; prereq 3202, non-native speaker of English, [C-TOEFL score of at least 190 or equiv], dept consent)
23305 002 LEC, 08:00am-09:55am TTh, ApH 319, instruction mode: Classroom; Graduate student status or program permission required to enroll. Contact the program at 612-624-1503 or esl@umn.edu to request consent.; Meets with: 23306 ESL 921, 4 cr

3402 Research Writing for the American University

(max crs 8; prereq [Non-native speaker of English, [TOEFL iBT 79 or IELTS 6.5 or MNBatt 80 or equiv]] or dept consent)
20810 001 LEC, 08:00am-09:55am MW, PeikH 155, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent.; Meets with: 20809 ESL 941, 21267 ESL 941, 4 cr
25421 1002 LEC, 04:40pm-06:35pm MW, KoltH 135, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent., 4 cr
26877 003 LEC, 08:00am-09:55am TTh, BlegH 140, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent., 4 cr
27425 1004 LEC, 04:40pm-06:35pm TTh, KoltH 135, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent., 4 cr

3501 Advanced English Listening and Speaking

(max crs 10; prereq Non-native speaker of English, [IBT score 53-67 or equiv], dept consent)
001 LEC, 08:00am-09:55am MW, BlegH 430, instruction mode: Classroom; Please register for Discussion Section 004.
25420 002 DIS, 09:05am-09:55am F, FolH 6, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent., 5 cr

3502 Academic Listening and Speaking
(max crs 10; prereq 3501, non-native speaker of English, [IBT score of at least 68 or equiv], dept consent)

001 LEC, 12:20pm-02:15pm TTh, Room TBA, TCWESTBANK, instruction mode: Classroom; Register for discussion section 002.
18755 002 DIS, 12:20pm-01:10pm F, AmundH 156, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent., 5 cr

3551 English Pronunciation

(max crs 8; prereq Non-native speaker of English, dept consent)
17271 1001 LEC, 04:40pm-06:35pm MW, KoltH 134, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent.; Meets with: 20663 ESL 951, 20664 ESL 951, 4 cr

3602 Speaking for Academic Purposes

(max crs 8; prereq 3502, non-native speaker of English, [C-TOEFL score of at least 190 or equiv], dept consent)
18438 1001 LEC, 04:40pm-06:35pm TTh, KoltH 134, instruction mode: Classroom; Contact the program at 612-624-1503 or esl@umn.edu to request consent.; Meets with: 20661 ESL 931, 20662 ESL 931, 4 cr

5006 English for Business Interactions

(max crs 4; prereq Grad, non-native English speaker)
24312 001 LEC, 04:40pm-06:35pm M, HHHctr 35, 02:30pm-03:20pm F, HHHctr 184, instruction mode:

Classroom; Meets with ESL 3006; Meets with: 24309 ESL 3006, 24310 ESL 906, 2 cr

ENGLISH: CREATIVE WRITING (EngW)

222 Lind Hall, 207 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6366, <http://english.cla.umn.edu/creativewriting/program.html>

1101W Introduction to Creative Writing (OPN; prereq Students may not audit this course; meets CLE req of Literature; meets CLE req of Writing Intensive)

001 LEC, 02:30pm-03:20pm W, BellMus 100, instruction mode: Classroom; The Creative Writing Program does not keep waiting lists in the office. If a section is full, we recommend that you attend class on the first day and speak to the
11319 002 LAB, 09:05am-11:00am M, AmundH 120, instruction mode: Classroom; , 4 cr
11320 003 LAB, 10:10am-12:05pm M, AkerH 317, instruction mode: Classroom; , 4 cr
11321 004 LAB, 11:15am-01:10pm M, AkerH 215, instruction mode: Classroom; , 4 cr
11322 005 LAB, 01:25pm-03:20pm M, LindH 203, instruction mode: Classroom; 1 seat reserved for PSEO student; , 4 cr
11323 1006 LAB, 06:20pm-08:10pm M, LindH 315, instruction mode: Classroom; , 4 cr
13402 1007 LAB, 06:20pm-08:10pm Th, LindH 203, instruction mode: Classroom; , 4 cr
13403 1008 LAB, 06:20pm-08:10pm Th, LindH 315, instruction mode: Classroom; , 4 cr
11324 009 LAB, 09:05am-11:00am F, LindH 315, instruction mode: Classroom; , 4 cr
13404 010 LAB, 10:10am-12:05pm F, AmundH 156, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; , 4 cr
13587 011 LAB, 11:15am-01:10pm F, LindH 215, instruction mode: Classroom; , 4 cr
25646 012 LAB, 02:30pm-04:25pm M, LindH 217, instruction mode: Classroom; , 4 cr

1102 Fiction Writing (Intro) (OPN)

11371 001 LEC, 01:00pm-02:15pm TTh, LindH 303, instruction mode: Classroom; , 3 cr
13326 1002 LEC, 06:20pm-08:50pm Th, LindH 303, instruction mode: Classroom; , 3 cr
15810 003 LEC, 09:05am-09:55am MWF, LindH 325, instruction mode: Classroom; , 3 cr

1103 Poetry Writing (Intro) (OPN)

11370 1001 LEC, 06:20pm-08:50pm T, LindH 303, instruction mode: Classroom; 1 seat reserved for PSEO student; , 3 cr

1104 Journal, Essay, Memoir Writing (Introduction) (OPN; prereq Students not allowed to audit this course)

11372 001 LEC, 11:15am-12:30pm TTh, LindH 303, instruction mode: Classroom; 1 seat reserved for PSEO student; , 3 cr

3102 Fiction Writing (Intermediate)

(OPN; prereq [1101 or 1102 or 1103 or 1104], students cannot audit course)
11373 001 LEC, 11:15am-12:30pm MW, AmundH 104, instruction mode: Classroom; , 3 cr
15813 002 LEC, 08:15am-09:30am TTh, AmundH 104, instruction mode: Classroom; , 3 cr

3104 Poetry Writing (Intermediate)

(OPN; prereq [1101 or 1102 or 1103 or 1104], students cannot audit course)
15094 001 LEC, 11:15am-12:30pm TTh, AmundH 104, instruction mode: Classroom; , 3 cr

3106 Journal, Essay, Memoir Writing (Intermediate)

(OPN; prereq [1101 or 1102 or 1103 or 1104], students cannot audit course)
11375 001 LEC, 09:45am-11:00am TTh, AmundH 104, instruction mode: Classroom; , 3 cr

3110 Topics in Creative Writing

(max crs 9; 3 repeats allowed; OPN; prereq 1101 or 1102 or 1103 or 1104 or dept consent)
22287 001 LEC, 03:35pm-06:05pm T, LindH 229, instruction mode: Classroom; Sprengnether, Madelon M, 3 cr

3960W Senior Seminar in Creative Writing

(A-F; prereq Engl major, 6 cr of ENGW [including 3xxx appropriate for workshop genre], [jr or sr], major adviser approval, dept consent; meets CLE req of Writing Intensive)

11653 001 LEC, 03:35pm-06:05pm W, LindH 217, instruction mode: Classroom; A-F grade base only. Topic prereq - Engl major, 6 cr of EngW [including EngW 3xxx], [jr or sr], major adviser approval, dept consent with writing portfolio. Senior English majors apply by March 30th to the English Undergraduate Studies Office, 227 Lind. See <http://english.cla.umn.edu/ugrad/degseminar.php>.

5102 Advanced Fiction Writing

(max crs 8; OPN; prereq Students may not audit this course)

11376 001 LEC, 03:35pm-06:05pm Th, LindH 229, instruction mode: Classroom; permission of CW dept.; , 4 cr

5104 Advanced Poetry Writing

(max crs 8; OPN; prereq Students may not audit this course)

11377 001 LEC, 03:35pm-06:05pm Th, LindH 203, instruction mode: Classroom; permission of CW dept.; Sprengnether, Madelon M, 4 cr

5106 Advanced Literary Nonfiction Writing

(max crs 8; OPN; prereq Students may not audit this course)

15706 001 LEC, 03:35pm-06:05pm T, AkerH 215, instruction mode: Classroom; permission of CW dept.; Hampf, Patricia, 4 cr

5205 Screenwriting

(OPN; prereq [jr or sr], one EngW 3xxx course, [permission number available in creative writing office], students may not audit this course.)

22724 1001 LEC, 06:20pm-08:50pm Th, AmundH 104, instruction mode: Classroom; permission of CW dept.; , 4 cr

5310 Reading as Writers

(max crs 8; OPN; prereq Students may not audit course.)

19757 001 LEC, 03:35pm-06:05pm T, AkerH 211, instruction mode: Classroom; permission of CW dept. This course looks at the breaking of genres that creates the lyric essay -- a popular, dynamic, and complex form that combines non-fiction, poetry and prose. Through close reading and discussion of key books of lyric essays, along with writing several original pieces, students will explore the methods that have made the form influential. We will find ways to use previous practices in non-fiction, fiction, and poetry to work in the lyric essay and find experimental structures from all three genres as we enter new textual territory.; Gonzalez, Ramon, 4 cr

8101 Reading Across Genres

(OPN; prereq Students may not audit this course)

11378 001 LEC, 03:35pm-06:05pm T, AmundH 162, instruction mode: Classroom; permission of CW dept.; Schumacher, Julie, 4 cr

8170 MFA Practicum: EngW 1101W

(max crs 3; S-N; prereq Creative writing MFA student, instr consent)

18495 001 FWK, 01:00pm-03:20pm W, STSS 530B, instruction mode: Classroom; permission of CW dept.; Todd, Kimberley Felicia, 1-3 cr

8180 Thesis Seminar: Multi-Genre

(A-F; prereq MFA creative writing program grad student)

22006 1001 LEC, 04:40pm-07:10pm M, LindH 217, instruction mode: Classroom; permission of CW dept.; Campion, Peter, 4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13965 001 IND, instruction mode: Classroom, 1 cr

8990 MFA Creative Thesis

(max crs 48; 24 repeats allowed; prereq 8140, 8150, 8160, creative writing MFA student, instr consent)

12877 001 IND, instruction mode: Classroom, 2-8 cr
13683 002 IND, instruction mode: Classroom, 2-8 cr

ENGLISH: LITERATURE (EngL)

207 Lind Hall, 207 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-3363, <http://english.cla.umn.edu/>

1001W Introduction to Literature: Poetry, Drama, Narrative

(Credit will not be granted if credit has been received for: ENGL 1001V; credit will not be granted if credit already received for: ENGL 1001,1002; meets CLE req of Literature; meets CLE req of Writing Intensive)

001 LEC, 08:15am-09:30am TTh, NichH 35, instruction mode: Classroom
 20498 002 DIS, 08:00am-08:50am M, LindH 217, instruction mode: Classroom; 1 seat reserved for PSEO student; , 4 cr
 20499 003 DIS, 08:00am-08:50am W, LindH 217, instruction mode: Classroom; 1 seat reserved for PSEO student; , 4 cr
 20500 004 DIS, 08:00am-08:50am M, LindH 215, instruction mode: Classroom; 1 seat reserved for PSEO student; , 4 cr
 20501 005 DIS, 08:00am-08:50am W, LindH 215, instruction mode: Classroom; 1 seat reserved for PSEO student; , 4 cr
 34618 1006 LEC, 05:15pm-07:10pm MW, AmundH 156, instruction mode: Classroom; This evening section does not require the student to enroll in a discussion section since discussion is built into the class time., 4 cr

1181W Introduction to Shakespeare

(Credit will not be granted if credit has been received for: ENGL 1181V; credit will not be granted if credit already received for: ENGL 1181, 1182; meets CLE req of Literature; meets CLE req of Writing Intensive)

001 LEC, 09:45am-11:00am TTh, AmundH B75, instruction mode: Classroom; Scheil, Katherine West
 10886 002 DIS, 10:10am-11:00am M, AkerH 313, instruction mode: Classroom; 1 seat reserved for PSEO student; , 4 cr
 10887 003 DIS, 10:10am-11:00am W, AkerH 317, instruction mode: Classroom; 1 seat reserved for PSEO student; , 4 cr
 15884 004 DIS, 10:10am-11:00am M, AkerH 215, instruction mode: Classroom; 1 seat reserved for PSEO student, 4 cr
 20793 005 DIS, 10:10am-11:00am W, AkerH 313, instruction mode: Classroom; 1 seat reserved for PSEO student, 4 cr

1301W Introduction to Multicultural**Literatures of the United States**

(Credit will not be granted if credit has been received for: ENGL 1301V; credit will not be granted if credit already received for: ENGL 1301,1302; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive)

001 LEC, 01:00pm-02:15pm TTh, AmundH B75, instruction mode: Classroom
 17076 002 DIS, 12:20pm-01:10pm M, LindH 229, instruction mode: Classroom; 2 seats reserved for PSEO student; 7 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr
 17077 003 DIS, 12:20pm-01:10pm W, LindH 229, instruction mode: Classroom; 2 seats reserved for PSEO student, 4 cr
 18315 004 DIS, 12:20pm-01:10pm M, LindH 203, instruction mode: Classroom; 2 seats reserved for PSEO student, 4 cr
 18316 005 DIS, 12:20pm-01:10pm W, LindH 203, instruction mode: Classroom; 2 seats reserved for PSEO student, 4 cr
 18317 006 DIS, 12:20pm-01:10pm M, LindH 217, instruction mode: Classroom; 2 seats reserved for PSEO student, 4 cr
 19615 007 DIS, 12:20pm-01:10pm W, LindH 217, instruction mode: Classroom; 2 seats reserved for PSEO student, 4 cr

1401W Introduction to "Third World"**Literatures in English**

(Credit will not be granted if credit has been received for: ENGL 1401V; credit will not be granted if credit already received for: ENGL 1401, 1402; meets CLE req of Global Perspectives; meets CLE req of Literature; meets CLE req of Writing Intensive)

17586 001 LEC, 10:10am-12:05pm MW, FordH 115, instruction mode: Classroom; The course covers the development of the novel in the Arabic tradition, from the Arabian Nights (the Sindbad Cycle) until 2011. The novel has proved to be an excellent medium in which Arab authors, writing in Arabic and in English, have engaged with politics, religion. The course includes authors such as Taha Hussein, Nobel laureate Naguib Mahfouz, Tayeb Saleh, Hanan Sheikh, Ghassan Kanafani, Emile Habibi, Nuruddin Farah, and others. Many nationalities are included, along with two films that demonstrate the globalization of Arabic narratives. The course ends with novels by Arab Americans with a focus on the role that they and others are playing in the development of a unique literature in English.; Matar, Nabli I, 4 cr
 22489 002 LEC, 02:30pm-04:25pm TTh, LindH 302, instruction mode: Classroom; , 4 cr

1433 Introduction to Literature

(max crs 6; A-F only; meets CLE req of Literature)

22664 001 LEC, 11:15am-12:30pm TTh, USq 314, ROCHESTER, instruction mode: Classroom; This section only holds 24 students.; Nichols, Marcia Dawn; Wacek, Jennifer A, 3 cr
 25094 002 LEC, 09:45am-11:00am TTh, USq 314, ROCHESTER, instruction mode: Classroom; This section only holds 24 students.; Nichols, Marcia Dawn; Wacek, Jennifer A, 3 cr

31631 003 LEC, 08:15am-09:30am TTh, USq 314, ROCHESTER, instruction mode: Classroom; This section only holds 24 students.; Nichols, Marcia Dawn; Wacek, Jennifer A, 3 cr

1501W Literature and Public Life

(A-F; credit will not be granted if credit already received for: ENGL 1501; meets CLE req of Civic Life and Ethics; meets CLE req of Literature; meets CLE req of Writing Intensive)

17587 001 LEC, 08:00am-08:50am MTWTh, LindH 229, instruction mode: Classroom; , 4 cr
 22492 1002 LEC, 04:40pm-06:35pm TTh, LindH 215, instruction mode: Classroom; , 4 cr
 22493 003 LEC, 02:30pm-04:25pm MW, LindH 229, instruction mode: Classroom; , 4 cr
 22494 004 LEC, 02:30pm-04:25pm TTh, LindH 215, instruction mode: Classroom; , 4 cr
 22495 005 LEC, 10:10am-12:05pm TTh, Room TBA, TCWESTBANK, instruction mode: Classroom; , 4 cr
 22496 006 LEC, 10:10am-12:05pm WF, FordH B10, instruction mode: Classroom; , 4 cr
 34621 007 DIS, 12:20pm-02:15pm TTh, Armory 202, instruction mode: Classroom, 4 cr

1701 Modern Fiction

(Credit will not be granted if credit has been received for: ENGL 1701H; meets CLE req of Literature)

17588 001 LEC, 11:15am-12:30pm MW, RapsonH 100, instruction mode: Classroom; Goldberg, Brian B, 3 cr
 17617 002 LEC, 09:45am-11:00am TTh, LindH 320, instruction mode: Classroom; , 3 cr
 22810 1003 LEC, 04:40pm-07:10pm W, LindH 320, instruction mode: Classroom; , 3 cr
 25415 004 LEC, 11:15am-12:30pm TTh, LindH 315, instruction mode: Classroom; , 3 cr

1701H Honors: Modern Fiction

(Credit will not be granted if credit has been received for: ENGL 1701; A-F; prereq Honors or instr consent; meets CLE req of Literature; meets HON req of Honors)

32961 001 LEC, 09:45am-11:00am MW, RapsonH 15, instruction mode: Classroom; Fitzgerald, M. J, 3 cr

1910W Topics: Freshman Seminar

(A-F only; prereq freshman; meets CLE req of Writing Intensive)

31386 001 LEC, 01:00pm-02:15pm TTh, FordH 170, instruction mode: Classroom; In this literature and discussion class, we'll read novels and short stories that portray the often uneasy shift from the teen years to adulthood in a wide range of books, from Jane Austen to the American western to narratives of war to graphic/comic novels to dystopian fiction.
 31387 002 LEC, 09:45am-11:00am MW, RapsonH 13, instruction mode: Classroom; Sirc, Geoffrey Michael, 3 cr

3001W Textual Analysis: Methods

(Credit will not be granted if credit has been received for: ENGL 3001V; A-F; prereq English major or minor or premajor or BIS/IDIM-English; credit will not be granted if credit already received for: ENGL 3001, 3801; meets CLE req of Writing Intensive)

10888 001 LEC, 12:20pm-02:15pm TTh, BlegH 215, instruction mode: Classroom; All seats are reserved for students with declared English major or minor programs, or with approved IDIM or BIS programs with an English area.; , 4 cr
 10889 002 LEC, 12:20pm-02:15pm MW, AmundH 156, instruction mode: Classroom; All seats are reserved for students with declared English major or minor programs, or with approved IDIM or BIS programs with an English area.; Ismail, Qadri M, 4 cr
 10890 003 LEC, 11:15am-02:15pm TTh, BlegH 215, instruction mode: Classroom; All seats are reserved for students with declared English major or minor programs, or with approved IDIM or BIS programs with an English area.; Scheil, Andrew, 4 cr
 10891 004 LEC, 11:15am-01:10pm MW, KHKH 2-260, instruction mode: Classroom; All seats are reserved for students with declared English major or minor programs, or with approved IDIM or BIS programs with an English area.; , 4 cr
 17080 1004 LEC, 04:40pm-06:35pm TTh, LindH 340, instruction mode: Classroom; All seats are reserved for students with declared English major or minor programs, or with approved IDIM or BIS programs with an English area.; , 4 cr
 31388 005 LEC, 08:00am-09:55am TTh, Elth N647, instruction mode: Classroom; All seats are reserved for students with declared English major or minor programs, or with approved IDIM or BIS programs with an English area.; , 4 cr

3002 Modern Literary Criticism and Theory

(Credit will not be granted if credit has been received for: ENGL 3002H; credit will not be granted if credit already received for: ENGL 3802)

17696 001 LEC, 09:45am-11:00am MW, LindH 320, instruction mode: Classroom; 15 seats reserved for English major or minor; Ismail, Qadri M, 3 cr

23657 002 LEC, 01:00pm-02:15pm MW, LindH 215, instruction mode: Classroom; 15 seats reserved for English major or minor; Farber, Lianna, 3 cr

3003W Historical Survey of British**Literatures I**

(credit will not be granted if credit already received for: EngL 3003; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

001 LEC, 09:45am-11:00am TTh, NichH 35, instruction mode: Classroom; Krug, Rebecca L
 10892 002 DIS, 10:10am-11:00am M, AmundH 156, instruction mode: Classroom, 4 cr
 10893 003 DIS, 10:10am-11:00am W, AmundH 156, instruction mode: Classroom, 4 cr
 34874 004 DIS, 10:10am-11:00am M, LindH 229, instruction mode: Classroom; , 4 cr
 34875 005 DIS, 10:10am-11:00am W, LindH 229, instruction mode: Classroom; , 4 cr

3004W Historical Survey of British**Literatures II**

(credit will not be granted if credit already received for: ENGL 3004; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

14479 001 LEC, 09:05am-11:00am TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; 15 seats reserved for English major or minor; Cucullu, Lois B, 4 cr

3005W Survey of American Literatures and Cultures I

(meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive)

001 LEC, 11:15am-12:30pm TTh, STSS 330, instruction mode: Classroom
 11171 002 DIS, 11:15am-12:05pm M, LindH 217, instruction mode: Classroom, 4 cr
 11172 003 DIS, 11:15am-12:05pm W, LindH 217, instruction mode: Classroom, 4 cr
 11173 004 DIS, 11:15am-12:05pm M, LindH 215, instruction mode: Classroom; , 4 cr
 11174 005 DIS, 11:15am-12:05pm W, LindH 215, instruction mode: Classroom, 4 cr

3006W Honors Survey of American**Literatures and Cultures II**

(Credit will not be granted if credit has been received for: ENGL 3006W; A-F; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive; meets HON req of Honors)

34789 001 DIS, 02:30pm-05:30pm Th, FordH B60, instruction mode: Classroom; Rabinowitz, Paula, 4 cr

3006W Survey of American Literatures and Cultures II

(Credit will not be granted if credit has been received for: ENGL 3006V; credit will not be granted if credit already received for: ENGL 3006; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive)

15272 1001 LEC, 06:00pm-07:55pm MW, AmundH 104, instruction mode: Classroom; 15 seats reserved for English major or minor; , 4 cr

3007 Shakespeare

(Credit will not be granted if credit has been received for: ENGL 3007H; A-F only; credit will not be granted if credit already received for: ENGL 3807; meets CLE req of Literature)

15885 001 LEC, 11:15am-12:30pm MW, LindH 325, instruction mode: Classroom; 10 seats reserved for English major or minor; Elfenbein, Andrew, 3 cr
 15886 002 LEC, 01:00pm-02:15pm TTh, LindH 215, instruction mode: Classroom; 10 seats reserved for English major or minor; Garner, Shirley Nelson, 3 cr
 15887 003 LEC, 11:15am-12:30pm TTh, AkerH 227, instruction mode: Classroom; 10 seats reserved for English major or minor; Haley, David B, 3 cr
 15888 004 LEC, 09:45am-11:00am TTh, LindH 315, instruction mode: Classroom; 10 seats reserved for English major or minor; 2 seats reserved for non-PSEO, non-admitted student; Hancher, Michael, 3 cr
 17297 005 LEC, 01:00pm-02:15pm MW, LindH 303, instruction mode: Classroom; 10 seats reserved for English major or minor; 2 seats reserved for non-PSEO, non-admitted student; Sirc, Geoffrey Michael, 3 cr
 22396 006 LEC, 08:15am-09:30am WF, LindH 203, instruction mode: Classroom; , 3 cr

3020 Studies in Narrative

(Credit will not be granted if credit has been received for: ENGL 3020H, ENGL 5020; max crs 9; 3 repeats allowed)

31404 001 LEC, 01:00pm-02:15pm TTh, LindH 315, instruction mode: Classroom; Nowhere is there a better source on the confluence of the city and modernity than in the novels of the modern metropolis. To examine this phenomenon, we shall steer a roughly chronological course from Joyce's modernist depiction of 1904 Dublin to Woolf's experimental post-war novel of London to Nella Larsen's roaring twenties treatment of Chicago and Harlem to Christopher Isherwood's Berlin of the 1930s and then to his post-modern Los Angeles of the 1960s. Our terminus will be with Teju Cole's 21st century vision of New York and the global city.; Cucullu, Lois B, 3 cr; The Metropolitan Novel

3022 Science Fiction and Fantasy

24121 !001 LEC, 06:20pm-08:50pm W, LindH 215, instruction mode: Classroom; , 3 cr
34622 002 LEC, 09:45am-11:00am TTh, LindH 229, instruction mode: Classroom, 3 cr

3023 Children's Literature

34654 001 LEC, 08:15am-09:30am TTh, LindH 215, instruction mode: Classroom, 3 cr

3024 The Graphic Novel

22397 001 LEC, 04:00pm-05:15pm MW, LindH 215, instruction mode: Classroom; , 3 cr

3025 The End of the World in Literature and History

(meets CLE req of Historical Perspectives)
31391 001 DIS, 09:45am-11:00am MW, AmundH 158, instruction mode: Classroom; Watkins, John, 3 cr

3027W The Essay

(meets CLE req of Writing Intensive)
18393 001 LEC, 10:10am-12:05pm MW, AmundH 162, instruction mode: Classroom; Incorporating narrative, descriptive, analytical, persuasive techniques into writing on general topics. Effective argumentation through critical reading, use of library resources, awareness of context/ audience.; Todd, Kimberley Felicia, 4 cr
18394 002 LEC, 02:30pm-04:25pm TTh, LindH 340, instruction mode: Classroom; Incorporating narrative, descriptive, analytical, persuasive techniques into writing on general topics. Effective argumentation through critical reading, use of library resources, awareness of context/ audience.; , 4 cr

3040 Studies in Film

(Credit will not be granted if credit has been received for: ENGL 3040H; max crs 9; 3 repeats allowed)
24122 !001 LEC, 04:40pm-08:40pm M, LindH 340, instruction mode: Classroom; This course will be about films in which city environments play a major role.; Craig, Siobhan S, 3 cr; The City as Star

3060 Studies in Literature and the Other Arts

(max crs 9; 3 repeats allowed)
25225 001 DIS, 02:30pm-05:00pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; An interdisciplinary course on modern international avant-gardes.; Scandura, Jani, 3 cr; Avant-gardes

3061 Literature and Music

(meets CLE req of Literature)
34250 001 DIS, 09:45am-11:00am TTh, LindH 203, instruction mode: Classroom, 3 cr

3090 General Topics

(max crs 9; 3 repeats allowed)
24123 001 LEC, 02:30pm-05:00pm T, Army 116, instruction mode: Classroom; Class in American Literature; Meets with: 31504 ENGL 5090; Rabinowitz, Paula, 3 cr; Labor, Work, and Class in U.S. Literature and Film
34623 002 LEC, 09:45am-11:00am TTh, LindH 217, instruction mode: Classroom, 3 cr

3102 Chaucer

(A-F only)
23688 001 LEC, 09:45am-11:00am MW, LindH 315, instruction mode: Classroom; Farber, Lianna, 3 cr

3110 Medieval Literatures and Cultures: Intro to Medieval Studies

(Credit will not be granted if credit has been received for: ENGL 5110; max crs 9; 3 repeats allowed)
25226 001 LEC, 11:15am-12:30pm TTh, LindH 229, instruction mode: Classroom; Krug, Rebecca L, 3 cr

3116 Early Modern Drama

33833 001 DIS, 02:30pm-03:45pm TTh, LindH 315, instruction mode: Classroom; Meets with: 31407 ENGL 5121; Haley, David B, 3 cr

3133 Stuart England: 17th-Century Literature and Culture

(Credit will not be granted if credit has been received for: ENGL 3133H)
33838 001 LEC, 01:00pm-02:15pm MW, AmundH 120, instruction mode: Classroom; Watkins, John, 3 cr

3151 Romantic Literatures and Cultures

(A-F)
22497 001 LEC, 09:45am-11:00am MW, AkerH 227, instruction mode: Classroom; meets HON req of Honors; Goldberg, Brian B, 3 cr

3180 Contemporary Literatures and Cultures

(Credit will not be granted if credit has been received for: ENGL 5180, ENGL 3180H; max crs 9; 3 repeats allowed)
34790 001 LEC, 02:30pm-03:45pm MW, LindH 325, instruction mode: Classroom, 3 cr

3212 American Poetry from 1900

22498 001 LEC, 03:35pm-06:05pm W, LindH 302, instruction mode: Classroom; This course will explore the poetry and poetic careers of key American poets since 1900. By reading and discussing their work, we will identify key themes that make these poets highly influential today and we will explore traditions, experiments, and trends in modern American poetic literature. Each student will lead a discussion of one of the books, write one short paper, and one longer paper on a poet.; Gonzalez, Ramon, 3 cr

3481 Technology and Society

(A-F; prereq [1431 or 1433 or 1435] or instr consent; meets CLE req of Technology and Society)
22672 001 LEC, 08:15am-09:30am MW, USQ 314, ROCHESTER, instruction mode: Classroom; Winchip, James E; Nichols, Marcia Dawn, 3 cr

3501 Public Discourse: Coming to Terms With the Environment

(meets CLE req of Environment; meets CLE req of Literature)
25491 001 LEC, 02:30pm-03:45pm MW, LindH 320, instruction mode: Classroom; , 3 cr

3502 Nature Stories: Environmental Discourse in Action

(meets CLE req of Civic Life and Ethics; meets CLE req of Literature)
34594 001 DIS, 11:15am-12:30pm TTh, LindH 203, instruction mode: Classroom, 4 cr

3505 Community Learning Internships I

(A-F only)
18991 001 FWK, 11:15am-12:30pm MW, FordH 170, instruction mode: Classroom; , 3 cr

3507W Introduction to Chicana/o Literature

(Credit will not be granted if credit has been received for: CHIC 3507W; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive)
25914 001 LEC, 11:15am-12:30pm MW, NichH 145, instruction mode: Classroom; Meets with: 17210 CHIC 3507W; Covarrubias, Alexandra Mendoza, 3 cr
25915 !002 LEC, 06:00pm-08:30pm W, NichH 145, instruction mode: Classroom; Meets with: 21352 CHIC 3507W; Covarrubias, Alexandra Mendoza, 3 cr

3592W Introduction to Black Women Writers in the United States

(Credit will not be granted if credit has been received for: AFRO 3592W; credit will not be granted if credit already received for: Afro 3592, ENGL 3592; meets CLE req of Writing Intensive)
33839 001 LEC, 02:30pm-03:45pm MW, LindH 315, instruction mode: Classroom; Meets with: 33803 AFRO 3592W; Githire, Njeri, 3 cr

3597W Introduction to African American Literature and Culture I

(Credit will not be granted if credit has been received for: AFRO 3597W; credit will not be granted if credit already received for: Afro 3591W; meets CLE req of Literature; meets CLE req of Writing Intensive)
22400 001 LEC, 11:15am-01:10pm TTh, HHHCTr 60, instruction mode: Classroom; Meets with: 17963 AFRO 3597W; Wright, John S, 4 cr

3711 Literary Magazine Production Lab I

(A-F)

32921 !001 LAB, 06:15pm-08:00pm TTh, FordH 170, instruction mode: Classroom; , 4 cr

3741 Literacy and American Cultural Diversity

(credit will not be granted if credit already received for: EngL 3606; meets CLE req of Diversity and Soc Justice US)
18993 001 FWK, 08:15am-09:30am MW, FordH B60, instruction mode: Classroom; , 4 cr

3883V Honors Thesis

(max crs 4; 4 repeats allowed; A-F only; credit will not be granted if credit already received for: EngL 3883; meets CLE req of Writing Intensive; meets HON req of Honors)
13296 001 IND, 10:10am-12:05pm Th, AmundH 240, instruction mode: Classroom; English summa cum laude degree candidates apply by April 1st to the English Undergraduate Office, 227 Lind. See <http://english.cla.umn.edu/assets/doc/EngL3883Vpermission.pdf>. Meet with your advisers!; Philippon, Daniel J, 1-4 cr

3960W Senior Seminar

(A-F only; prereq English major, [jr or sr], major adviser approval, dept consent; credit will not be granted if credit already received for: EngL 3960; meets CLE req of Writing Intensive)
11103 001 LEC, 09:45am-11:00am TTh, FordH 170, instruction mode: Classroom; This Senior Seminar will focus on twentieth-century and contemporary memoirs. Readings will include memoirs that have become canonical, such as Mary McCarthy's *Memories of a Catholic Girlhood*, Maxine Hong Kingston's *The Woman Warrior*, and Tobias Wolfe's *This Boy's Life*. It will also include more recent memoirs, some of them written by authors who grew up in Minnesota, such as Patricia Francisco's *Telling*, Michele Norris's *The Grace of Silence*, Tim O'Brien's *The Things They Carried*, and Kao Kalia Yang's *The Latehomecomer: A Hmong Family Memoir*.
11104 002 LEC, 01:00pm-02:15pm MW, FordH 170, instruction mode: Classroom; In this class we will explore the work of two major figures of English Literature, Jane Austen and Virginia Woolf, separated by a century which saw social and artistic upheavals and developments. Although our focus will be on three novels by Austen (*Pride and Prejudice*, *Emma* and *Northanger Abbey*) and three novels by Woolf (*To the Lighthouse*, *Mrs Dalloway* and *Night and Day*), our discussion will be as wide ranging as the students' interests will dictate, and will span from the literary and stylistic to the social, the historical and the biographical.; Fitzgerald, M. J, 4 cr; Jane Austen & Virginia Woolf
20513 003 LEC, 04:00pm-05:15pm TTh, FordH 170, instruction mode: Classroom; How, why, and what do we write about performance? In this class we will explore the tensions between the ephemeral nature of the live event and the fixity of print, and think about how bodies in performance define individuals and communities. We will look at historical, literary, and journalistic models of writing about past and present artistic performances (with an emphasis on theater, dance, and music) as well as everyday social performances. Attendance at at least one local arts production will be required.

3993 Directed Study

(max crs 8)
20194 005 IND, instruction mode: Independent/Directed Studies; Campion, Peter, 1-4 cr
20195 006 IND, instruction mode: Independent/Directed Studies; Craig, Siobhan S, 1-4 cr
20196 007 IND, instruction mode: Independent/Directed Studies; Cucullu, Lois B, 1-4 cr
20197 008 IND, instruction mode: Independent/Directed Studies; Elfenbein, Andrew, 1-4 cr
20198 009 IND, instruction mode: Independent/Directed Studies; Farber, Lianna, 1-4 cr
20199 010 IND, instruction mode: Independent/Directed Studies; Fitzgerald, M. J, 1-4 cr
20200 011 IND, instruction mode: Independent/Directed Studies; , 1-4 cr
20201 012 IND, instruction mode: Independent/Directed Studies; Garner, Shirley Nelson, 1-4 cr
20202 013 IND, instruction mode: Independent/Directed Studies; Goldberg, Brian B, 1-4 cr
20203 014 IND, instruction mode: Independent/Directed Studies; Gonzalez, Ramon, 1-4 cr
20204 015 IND, instruction mode: Independent/Directed Studies; Haley, David B, 1-4 cr
20205 016 IND, instruction mode: Independent/Directed Studies; Hampl, Patricia, 1-4 cr
20206 017 IND, instruction mode: Independent/Directed Studies; Hancher, Michael, 1-4 cr
20207 018 IND, instruction mode: Independent/Directed Studies; Ismail, Qadri M, 1-4 cr

20208 019 IND, instruction mode: Independent/Directed Studies; Krug, Rebecca L, 1-4 cr
 20209 020 IND, instruction mode: Independent/Directed Studies; Lee, Josephine D, 1-4 cr
 20210 021 IND, instruction mode: Independent/Directed Studies; Matar, Nabil I, 1-4 cr
 20211 022 IND, instruction mode: Independent/Directed Studies; Messer-Davidow, Ellen, 1-4 cr
 20212 023 IND, instruction mode: Independent/Directed Studies; Philippon, Daniel J, 1-4 cr
 20213 024 IND, instruction mode: Independent/Directed Studies; Rabinowitz, Paula, 1-4 cr
 20214 025 IND, instruction mode: Independent/Directed Studies; Scandura, Jani, 1-4 cr
 20215 026 IND, instruction mode: Independent/Directed Studies; Scheil, Andrew, 1-4 cr
 20216 027 IND, instruction mode: Independent/Directed Studies; Scheil, Katherine West, 1-4 cr
 20217 028 IND, instruction mode: Independent/Directed Studies; Schumacher, Julie, 1-4 cr
 20218 029 IND, instruction mode: Independent/Directed Studies; Sirc, Geoffrey Michael, 1-4 cr
 20219 030 IND, instruction mode: Independent/Directed Studies; Sprengnether, Madelon M, 1-4 cr
 20220 031 IND, instruction mode: Independent/Directed Studies; Todd, Kimberley Felicia, 1-4 cr
 20221 032 IND, instruction mode: Independent/Directed Studies; Watkins, John, 1-4 cr
 21230 033 IND, instruction mode: Independent/Directed Studies; Wright, John S, 1-4 cr
 24738 035 IND, instruction mode: Classroom; Sutton, Terri, 1-4 cr
 24750 036 IND, instruction mode: Classroom, 1-4 cr

4003 History of Literary Theory

(A-F only)

25230 001 LEC, 11:15am-12:30pm TTh, RapsonH 13, instruction mode: Classroom; Scandura, Jani, 3 cr

4311 Asian American Literature and Drama

(A-F only; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature)

31405 001 LEC, 02:30pm-03:45pm TTh, FordH 170, instruction mode: Classroom; This course focuses on the literary and theatrical contributions of American artists of Asian descent. Through these novels, memoirs, poetry, stories, and plays, we can understand the particular connections between literary form, expression, and production and the social formations of race, ethnicity, nationalism, class, gender, and sexuality.

4612 Old English I

(Credit will not be granted if credit has been received for: ENGL 5612, ENGL 3612; credit will not be granted if credit already received for: ENGL 3612)

31406 001 LEC, 10:10am-11:00am MWF, LindH 325, instruction mode: Classroom; "I am learning Anglo-Saxon and it is a vastly superior thing to what we have now" (Gerard Manley Hopkins, letter to fellow poet Robert Bridges, 1882). This course

4711 Introduction to Editing and Publishing

Publishing

(prereq (Credit will not be granted if credit has been received for ENGL 5711 or ENGL 5401; prereq. jr or senior or grad student))

16213 !001 LEC, 05:45pm-07:25pm MW, LindH 325, instruction mode: Classroom; , 4 cr

4722 Alphabet to Internet: History of Writing Technologies

(credit will not be granted if credit received for: ENGL 3633)

20552 001 DIS, 01:00pm-02:55pm TTh, . NONSTD-TBA, instruction mode: Classroom; 5 seats reserved for Graduate Student; Hancher, Michael, 4 cr

5001 Ph.D. Colloquium: Introduction to Literary Theory and Literary Studies in the Modern University

20553 !001 LEC, 06:20pm-08:50pm W, LindH 207A, instruction mode: Classroom; Messer-Davidow, Ellen, 3 cr

5090 Readings in Special Subjects

(Credit will not be granted if credit has been received for: ENGL 5100; max crs 9; 3 repeats allowed; prereq grad student or instr consent)

31504 001 LEC, 02:30pm-05:00pm T, Army 116, instruction mode: Classroom; Class in American Literature; Meets with: 24123 ENGL 3090; Rabinowitz, Paula, 1-4 cr; Labor, Work, and Class in U.S. Literature and Film

5121 Readings in Early Modern Literature and Culture

(max crs 9; 3 repeats allowed; prereq Grad student or instr consent; credit will not be granted if credit received for: ENGL 5230)

31407 001 LEC, 02:30pm-03:45pm TTh, LindH 315, instruction mode: Classroom; Meets with: 33833 ENGL 3116; Haley, David B, 3 cr

5140 Readings in 18th Century Literature and Culture

(Credit will not be granted if credit has been received for: ENGL 3141; prereq Grad student or instr consent)

31408 !001 LEC, 06:20pm-08:50pm M, LindH 216, instruction mode: Classroom; Brown, Tony C., 3 cr

5597 Harlem Renaissance

(Credit will not be granted if credit has been received for: AFRO 3627, AFRO 5627, ARTH 3627; prereq Grad student or instr consent)

23693 001 LEC, 02:30pm-03:45pm TTh, BlegH 210, instruction mode: Classroom; Meets with: 24030 AFRO 3627, 24372 AFRO 5627; Wright, John S, 3 cr

5800 Practicum in the Teaching of English

(max crs 3; prereq Grad student or instr consent)

13503 001 LEC, 02:00pm-04:00pm F, LindH 303, instruction mode: Classroom; , 1-3 cr

5992 Directed Readings, Study, or Research

(max crs 45; 15 repeats allowed)

19044 004 IND, instruction mode: Classroom; Brown, Tony C., 1-3 cr
 19045 005 IND, instruction mode: Classroom; Campion, Peter, 1-3 cr
 19046 006 IND, instruction mode: Classroom; Craig, Siobhan S, 1-3 cr
 19047 007 IND, instruction mode: Classroom; Cucullu, Lois B, 1-3 cr
 19048 008 IND, instruction mode: Classroom; Elfenbein, Andrew, 1-3 cr
 19050 010 IND, instruction mode: Classroom; Fitzgerald, M. J, 1-3 cr
 19051 011 IND, instruction mode: Classroom; , 1-3 cr
 19052 012 IND, instruction mode: Classroom; Garner, Shirley Nelson, 1-3 cr
 19053 013 IND, instruction mode: Classroom; Goldberg, Brian B, 1-3 cr
 19054 014 IND, instruction mode: Classroom; Gonzalez, Ramon, 1-3 cr
 19055 015 IND, instruction mode: Classroom; Haley, David B, 1-3 cr
 19056 016 IND, instruction mode: Classroom; Hampl, Patricia, 1-3 cr
 19057 017 IND, instruction mode: Classroom; Hancher, Michael, 1-3 cr
 19058 018 IND, instruction mode: Classroom; Ismail, Qadri M, 1-3 cr
 19059 019 IND, instruction mode: Classroom; Krug, Rebecca L, 1-3 cr
 19060 020 IND, instruction mode: Classroom; Lee, Josephine D, 1-3 cr
 19061 021 IND, instruction mode: Classroom; Matar, Nabil I, 1-3 cr
 19062 022 IND, instruction mode: Classroom; Messer-Davidow, Ellen, 1-3 cr
 19063 023 IND, instruction mode: Classroom; Philippon, Daniel J, 1-3 cr
 19064 024 IND, instruction mode: Classroom; Rabinowitz, Paula, 1-3 cr
 19065 025 IND, instruction mode: Classroom; Scandura, Jani, 1-3 cr
 19066 026 IND, instruction mode: Classroom; Scheil, Andrew, 1-3 cr
 19067 027 IND, instruction mode: Classroom; Scheil, Katherine West, 1-3 cr
 19068 028 IND, instruction mode: Classroom; Schumacher, Julie, 1-3 cr
 19069 029 IND, instruction mode: Classroom; Sirc, Geoffrey Michael, 1-3 cr
 19070 030 IND, instruction mode: Classroom; Sprengnether, Madelon M, 1-3 cr
 19071 031 IND, instruction mode: Classroom; Todd, Kimberley Felicia, 1-3 cr
 19072 032 IND, instruction mode: Classroom; Watkins, John, 1-3 cr
 19073 033 IND, instruction mode: Classroom; Wright, John S, 1-3 cr
 19075 035 IND, instruction mode: Classroom; , 1-3 cr

8090 Seminar in Special Subjects

(max crs 12; 4 repeats allowed)

33832 !001 LEC, 05:30pm-08:00pm T, LindH 216, instruction mode: Classroom; This course will look at theoretical approaches to power and to the ability to inflict (and undergo) suffering. Part of the class will center around

the larger theoretical discussions generated by the events at Abu Ghraib in Iraq. We will also consider theoretical material about visual representation as it is experienced somatically.; Craig, Siobhan S, 3 cr; The Pain of Others 32838 002 LEC, 10:10am-12:05pm T, FolH 112, instruction mode: Classroom; Meets with: 33886 GER 8300; Melin, Charlotte Ann; Philippon, Daniel J, 3 cr; Transatlantic Environmental Humanities

8170 Seminar in 19th-Century British Literature and Culture

(max crs 12; 4 repeats allowed)

31409 001 LEC, 02:30pm-05:00pm W, LindH 216, instruction mode: Classroom; Elfenbein, Andrew, 3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14101 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14220 001 IND, instruction mode: Classroom, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

15737 001 IND, instruction mode: Classroom; PhD student who has passed oral prelims or department permission., 1-24 cr

8992 Directed Reading in Language,

Literature, Culture, Rhetoric, Composition, or Creative Writing

(max crs 15; 15 repeats allowed; prereq instr consent, dept consent)

19080 005 IND, instruction mode: Classroom; Campion, Peter, 1-9 cr
 19081 006 IND, instruction mode: Classroom; Craig, Siobhan S, 1-9 cr
 19082 007 IND, instruction mode: Classroom; Cucullu, Lois B, 1-9 cr
 19083 008 IND, instruction mode: Classroom; Elfenbein, Andrew, 1-9 cr
 19084 009 IND, instruction mode: Classroom; Farber, Lianna, 1-9 cr
 19086 011 IND, instruction mode: Classroom, 1-9 cr
 19087 012 IND, instruction mode: Classroom; Garner, Shirley Nelson, 1-9 cr
 19088 013 IND, instruction mode: Classroom; Goldberg, Brian B, 1-9 cr
 19089 014 IND, instruction mode: Classroom; Gonzalez, Ramon, 1-9 cr
 19090 015 IND, instruction mode: Classroom; Haley, David B, 1-9 cr
 19091 016 IND, instruction mode: Classroom; Hampl, Patricia, 1-9 cr
 19093 018 IND, instruction mode: Classroom; Ismail, Qadri M, 1-9 cr
 19094 019 IND, instruction mode: Classroom; Krug, Rebecca L, 1-9 cr
 19095 020 IND, instruction mode: Classroom; Lee, Josephine D, 1-9 cr
 19096 021 IND, instruction mode: Classroom; Matar, Nabil I, 1-9 cr
 19097 022 IND, instruction mode: Classroom; Messer-Davidow, Ellen, 1-9 cr
 19099 024 IND, instruction mode: Classroom; Rabinowitz, Paula, 1-9 cr
 19100 025 IND, instruction mode: Classroom; Scandura, Jani, 1-9 cr
 19101 026 IND, instruction mode: Classroom; Scheil, Andrew, 1-9 cr
 19102 027 IND, instruction mode: Classroom; Scheil, Katherine West, 1-9 cr
 19103 028 IND, instruction mode: Classroom; Schumacher, Julie, 1-9 cr
 19104 029 IND, instruction mode: Classroom; Sirc, Geoffrey Michael, 1-9 cr
 19105 030 IND, instruction mode: Classroom; Sprengnether, Madelon M, 1-9 cr
 19106 031 IND, instruction mode: Classroom; Todd, Kimberley Felicia, 1-9 cr
 19107 032 IND, instruction mode: Classroom; Watkins, John, 1-9 cr
 19108 033 IND, instruction mode: Classroom; Wright, John S, 1-9 cr
 19110 035 IND, instruction mode: Classroom; , 1-9 cr
 19111 036 IND, instruction mode: Classroom; , 1-9 cr
 19112 037 IND, instruction mode: Classroom; , 1-9 cr

ENTOMOLOGY (Ent)

219 Hodson Hall, 1980 Folwell Ave, St Paul Campus, St Paul, MN, 55108
612/624-3636, <http://www.entomology.umn.edu/>

1005 Insect Biology

(meets CLE req of Biological Sciences)

001 LEC, 04:05pm-05:20pm TTh, HodsonH 485, STPAUL, instruction mode: Classroom; Fallon, Ann M
21713 002 LAB, 02:00pm-03:45pm T, HodsonH 485, STPAUL, instruction mode: Classroom; Fallon, Ann M, 4 cr

3281 Veterinary Entomology

(A-F only)

001 LEC, 03:00pm-03:50pm MW, BorH 213, STPAUL, instruction mode: Classroom; Moon, Roger Dean
15140 002 LAB, 04:05pm-06:00pm M, HodsonH 480, STPAUL, instruction mode: Classroom; Moon, Roger Dean, 3 cr
15807 003 LAB, 04:05pm-06:00pm W, HodsonH 480, STPAUL, instruction mode: Classroom; Moon, Roger Dean, 3 cr
20234 004 LAB, 04:05pm-06:00pm M, HodsonH 485, STPAUL, instruction mode: Classroom; Moon, Roger Dean, 3 cr
22072 005 LAB, 04:05pm-06:00pm W, HodsonH 485, STPAUL, instruction mode: Classroom; Moon, Roger Dean, 3 cr

3925 Insects, Aquatic Habitats, and**Pollution**

(A-F only; prereq [[3005 or Biol 3407 or FW 2001], [jr or sr]] or instr consent)

001 LEC, 04:00pm-05:20pm MW, HodsonH 490, STPAUL, instruction mode: Classroom; Meets with: 15803 ENT 5081; Ferrington Jr, Leonard Charles
26385 002 DIS, 05:30pm-06:20pm MW, HodsonH 490, STPAUL, instruction mode: Classroom; Meets with: 18314 ENT 5081; Ferrington Jr, Leonard Charles, 3 cr

4096 Professional Experience Program:**Internship**

(max crs 3; S-N only; prereq COAFES jr or sr, complete internship contract available in COAFES Career Services before enrolling, UC only, instr consent)

13679 001 LEC, instruction mode: Classroom, 1-3 cr

4251 Forest and Shade Tree Entomology

001 LEC, 09:35am-10:25am MW, RuttanH B25, STPAUL, instruction mode: Classroom; Aukema, Brian Henry
11523 002 LAB, 12:50pm-02:45pm M, HodsonH 485, STPAUL, instruction mode: Classroom; Aukema, Brian Henry, 3 cr
11524 003 LAB, 12:50pm-02:45pm W, HodsonH 485, STPAUL, instruction mode: Classroom; Aukema, Brian Henry, 3 cr

5021 Insect Biodiversity and Evolution

001 LEC, 10:40am-11:30am MWF, HodsonH 485, STPAUL, instruction mode: Classroom; Holzenthal, Ralph W
26121 002 LAB, 11:45am-12:35pm MWF, HodsonH 485, STPAUL, instruction mode: Classroom; Holzenthal, Ralph W, 4 cr

5081 Insects, Aquatic Habitats, and**Pollution**

(A-F only; prereq [3005, Biol 3407, FW 2001, EEB 4601] or instr consent)

001 LEC, 04:00pm-05:20pm MW, HodsonH 490, STPAUL, instruction mode: Classroom; Meets with: 16848 ENT 3925; Ferrington Jr, Leonard Charles
18314 002 DIS, 05:30pm-06:20pm MW, HodsonH 490, STPAUL, instruction mode: Classroom; Meets with: 26385 ENT 3925; Ferrington Jr, Leonard Charles, 3 cr

5275 Medical Entomology

(prereq instr consent)

24439 001 LEC, 10:15am-11:30am TTh, HodsonH 480, STPAUL, instruction mode: Classroom; Munderloh, Ulrike G; Moon, Roger Dean; Fallon, Ann M; Palchick-Silver, Susan Marie; Kells, Stephen A; Kurtti, Timothy J, 3 cr

5900 Basic Entomology

(max crs 12; prereq instr consent)

11608 001 LEC, instruction mode: Classroom; Students should register for the section taught by their instructor., 1-6 cr
11609 002 LEC, instruction mode: Classroom; Andow, David, 1-6 cr

11610 003 LEC, instruction mode: Classroom; Fallon, Ann M, 1-6 cr
11611 005 LEC, instruction mode: Classroom; Ferrington Jr, Leonard Charles, 1-6 cr
14584 006 LEC, instruction mode: Classroom; Heimpel, George Eugene, 1-6 cr
11612 007 LEC, instruction mode: Classroom; Holzenthal, Ralph W, 1-6 cr
11613 008 LEC, instruction mode: Classroom; Hutchison, William D, 1-6 cr
11614 009 LEC, instruction mode: Classroom; Kells, Stephen A, 1-6 cr
11615 010 LEC, instruction mode: Classroom; Krischik, Vera Aber, 1-6 cr
11616 011 LEC, instruction mode: Classroom; Kurtti, Timothy J, 1-6 cr
11617 012 LEC, instruction mode: Classroom; Mesce, Karen A, 1-6 cr
11618 013 LEC, instruction mode: Classroom; Moon, Roger Dean, 1-6 cr
11619 014 LEC, instruction mode: Classroom; Munderloh, Ulrike G, 1-6 cr
11620 015 LEC, instruction mode: Classroom; Ostlie, Kenneth R, 1-6 cr
11621 016 LEC, instruction mode: Classroom; Aukema, Brian Henry, 1-6 cr
11622 017 LEC, instruction mode: Classroom; Spivak, Marla, 1-6 cr
11623 018 LEC, instruction mode: Classroom; Tinerella, Paul P, 1-6 cr
11624 019 LEC, instruction mode: Classroom; Weller, Susan J., 1-6 cr

5910 Special Problems in Entomology

(max crs 10; 10 repeats allowed; prereq instr consent)

11625 001 LEC, instruction mode: Classroom; Students should register for the section taught by their instructor., 1-6 cr
11626 002 LEC, instruction mode: Classroom; Andow, David, 1-6 cr
22034 003 LEC, instruction mode: Classroom; Aukema, Brian Henry, 1-6 cr
11627 004 LEC, instruction mode: Classroom; Fallon, Ann M, 1-6 cr
14585 005 LEC, instruction mode: Classroom; Ferrington Jr, Leonard Charles, 1-6 cr
11628 006 LEC, instruction mode: Classroom; Heimpel, George Eugene, 1-6 cr
11629 007 LEC, instruction mode: Classroom; Holzenthal, Ralph W, 1-6 cr
11630 008 LEC, instruction mode: Classroom; Hutchison, William D, 1-6 cr
11631 009 LEC, instruction mode: Classroom; Kells, Stephen A, 1-6 cr
11632 010 LEC, instruction mode: Classroom; Krischik, Vera Aber, 1-6 cr
11633 011 LEC, instruction mode: Classroom; Kurtti, Timothy J, 1-6 cr
11634 012 LEC, instruction mode: Classroom; Mesce, Karen A, 1-6 cr
11635 013 LEC, instruction mode: Classroom; Moon, Roger Dean, 1-6 cr
11636 014 LEC, instruction mode: Classroom; Munderloh, Ulrike G, 1-6 cr
11637 015 LEC, instruction mode: Classroom; Ostlie, Kenneth R, 1-6 cr
11638 016 LEC, instruction mode: Classroom; Spivak, Marla, 1-6 cr
11639 017 LEC, instruction mode: Classroom; Tinerella, Paul P, 1-6 cr
11640 019 LEC, instruction mode: Classroom; Weller, Susan J., 1-6 cr
18337 020 LEC, instruction mode: Classroom; , 1-6 cr

8061 Scientific Communication and Ethics

(S-N only)

34890 001 LEC, instruction mode: Classroom, 1 cr

8300 Graduate Seminar

(max crs 2; S-N only; prereq instr consent)

11738 001 LEC, 03:00pm-04:15pm T, HodsonH 490, STPAUL, instruction mode: Classroom; Moon, Roger Dean, 1-2 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13966 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14102 001 IND, instruction mode: Classroom, 1 cr

8594 Research in Entomology

(max crs 36; 6 repeats allowed; S-N only)

12275 001 LEC, instruction mode: Classroom; Students should register for the section taught by their instructor, 1-16 cr
12276 002 LEC, instruction mode: Classroom; Andow, David, 1-16 cr
12277 005 LEC, instruction mode: Classroom; Fallon, Ann M, 1-16 cr
14586 006 LEC, instruction mode: Classroom; Ferrington Jr, Leonard Charles, 1-16 cr
12278 007 LEC, instruction mode: Classroom; Heimpel, George Eugene, 1-16 cr
12279 008 LEC, instruction mode: Classroom; Holzenthal, Ralph W, 1-16 cr
12280 009 LEC, instruction mode: Classroom; Hutchison, William D, 1-16 cr
12281 010 LEC, instruction mode: Classroom; Kells, Stephen A, 1-16 cr
12282 011 LEC, instruction mode: Classroom; Krischik, Vera Aber, 1-16 cr
12283 012 LEC, instruction mode: Classroom; Kurtti, Timothy J, 1-16 cr
12284 013 LEC, instruction mode: Classroom; Mesce, Karen A, 1-16 cr
12285 014 LEC, instruction mode: Classroom; Moon, Roger Dean, 1-16 cr
12286 015 LEC, instruction mode: Classroom; Munderloh, Ulrike G, 1-16 cr
12287 016 LEC, instruction mode: Classroom; Ostlie, Kenneth R, 1-16 cr
12288 017 LEC, instruction mode: Classroom; Aukema, Brian Henry, 1-16 cr
12289 018 LEC, instruction mode: Classroom; Spivak, Marla, 1-16 cr
12290 019 LEC, instruction mode: Classroom; Tinerella, Paul P, 1-16 cr
18338 020 LEC, instruction mode: Classroom; Weller, Susan J., 1-16 cr
26907 021 LEC, instruction mode: Classroom; Koch, Robert L, 1-16 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14221 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14305 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13740 001 IND, instruction mode: Classroom, 1-24 cr

ENTREPRENEURSHIP (Entr)

3-306 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-3838, <http://www.csom.umn.edu>

6020 Business Formation

(A-F; prereq MBA student)

17049 060 LEC, 05:45pm-09:05pm T, CarlSMgmt 1-149, instruction mode: Classroom; 10 seats reserved for MBA day student; 38 seats reserved for PTMBA student, 4 cr

6021 Preparing and Implementing the Business Plan

(max crs 4; A-F; prereq MBA student)

13495 060 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-142, 09/08/15-10/26/15, instruction mode: Classroom; 10 seats reserved for MBA day student; 38 seats reserved for PTMBA student, 2 cr

6037 Corporate Venturing

(A-F only; prereq MBA student)

15121 060 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-132, 10/27/15-12/16/15, instruction mode: Classroom; 8 seats reserved for MBA day student; 40 seats reserved for PTMBA student, 2 cr

6041 Initiating New Product Design and Business Development

(Credit will not be granted if credit has been received for: ME 8221, ENTR 6087, BMEN 8401, ENTR 6042; max crs 10; 3 repeats allowed; A-F; prereq MBA student)

13496 1060 LEC, 05:00pm-08:20pm W, HMH 1-107, instruction mode: Classroom; This offering is for 4 credits. Meets with *BMEN 8402 and ME 8222; 9 seats reserved for MBA day student; 9 seats reserved for PTMBA student; Meets with: 13655 BMEN 8401, 11714 ME 8221, 2-4 cr

ENVIRONMENTAL SCIENCES, POLICY, AND MANAGEMENT (ESPM)

132 Skok Hall, 2003 Upper Buford Circle, St. Paul, MN, 55108

1001 Freshmen Orientation to Environmental Sciences, Policy, and Management (A-F only)

11822 001 LEC, 03:00pm-04:55pm T, BorH 375, STPAUL, instruction mode: Classroom; Fall 2013 New Freshmen - Mandatory Field Trip to Belwin Conservancy, 5 October 2013.; Ferrington Jr, Leonard Charles, 1 cr

1002 Transfer Orientation Seminar (A-F only)

18406 001 LEC, 03:00pm-04:55pm M, Kaufl 302, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Miller, Kristell Anne, 1 cr

1011 Issues in the Environment (meets CLE req of Environment)

17752 001 LEC, 12:50pm-02:05pm MW, GrnH 110, STPAUL, instruction mode: Classroom; Blinn, Charlie; Toner, Brandy Marie; Millet, Dylan Baird; Knight, Joe, 3 cr

1425 The Atmosphere

(Credit will not be granted if credit has been received for: GEOG 1425; A-F only; prereq High school algebra; meets CLE req of Environment; meets CLE req of Physical Sciences)

001 LEC, 09:05am-09:55am MWF, BlegH 10, instruction mode: Classroom; Meets with: 15506 GEOG 1425; Klink, Katherine
16210 002 LAB, 01:00pm-02:15pm T, BlegH 335, instruction mode: Classroom; Meets with: 16211 GEOG 1425; , 4 cr
16798 003 LAB, 01:00pm-02:15pm W, BlegH 235, instruction mode: Classroom; Meets with: 16796 GEOG 1425; , 4 cr
16799 004 LAB, 01:00pm-02:15pm Th, BlegH 140, instruction mode: Classroom; Meets with: 16797 GEOG 1425, 4 cr

2401 Environmental Education/ Interpretation (prereq Soph)

18525 1001 LEC, 05:10pm-08:10pm T, GrnH 19, STPAUL, instruction mode: Classroom; Carlson PhD, Stephan Paul, 3 cr

3000 Seminar on Current Issues for ESPM

(max crs 6; 6 repeats allowed; A-F only; prereq Jr)
19315 001 LEC, 04:00pm-05:15pm W, AlderH 415, STPAUL, instruction mode: Classroom; Newman, Raymond M, 1 cr
34990 002 LEC, 01:55pm-02:45pm M, BioSci 64, STPAUL, instruction mode: Classroom, 1 cr

3011W Ethics in Natural Resources (meets CLE req of Writing Intensive)

12044 1001 LEC, 04:30pm-05:15pm TTh, GrnH 110, STPAUL, instruction mode: Classroom, 3 cr

3072 Site Assessment for Ecological Restoration

35015 001 LEC, 09/08/15-10/26/15, instruction mode: Correspondence, 1 cr

3074 Designing, Installing, & Managing Native Plantings in Restoration

35016 001 LEC, 10/27/15-12/16/15, instruction mode: Correspondence, 1 cr

3075 Vegetation Management of Restored Ecosystems

35017 001 LEC, 10/27/15-12/16/15, instruction mode: Correspondence, 1 cr

3101 Conservation of Plant Biodiversity

(Credit will not be granted if credit has been received for: ESPM 5101; A-F only; prereq Biol 1001 or Biol 1009)

25473 001 LEC, 12:50pm-03:50pm M, McNH 33, STPAUL, instruction mode: Classroom; Meets with: 25474 ESPM 5101; Pike, Carrie C, 3 cr

3102 Managing International Natural Resources Programs and Projects: Forests, Water and Land Use (A-F)

26231 001 LEC, 01:30pm-02:45pm TTh, GrnH 203, STPAUL, instruction mode: Classroom; Meets with: 26232 ESPM 5102; Eckman, Karlyn, 3 cr

3108 Ecology of Managed Systems

(Credit will not be granted if credit has been received for: ESPM 5108; prereq BIOL 1001 or BIOL 1009 or HORT 1001 or instr consent; meets CLE req of Environment)

19257 001 LEC, 08:45am-10:00am TTh, GrnH 110, STPAUL, instruction mode: Classroom; During the first 1/2 of the semester, students will be required to participate in three extended Tuesday class sections (7:30 am - 10:00 am) These dates will be determined the first week of class.; Meets with: 19258 ESPM 5108; Jordan, Nicholas Royal; Montgomery, Rebecca Anne, 3 cr

3245 Sustainable Land Use Planning and Policy

(Credit will not be granted if credit has been received for: ESPM 5245; A-F only; prereq Jr or sr; meets CLE req of Environment)

11597 001 LEC, 08:45am-10:00am TTh, BioSci 64, STPAUL, instruction mode: Classroom; Meets with: 13179 ESPM 5245; Davenport, Mae Allen, 3 cr

3251 Natural Resources in Sustainable International Development

(Credit will not be granted if credit has been received for: ESPM 5251, LAS 3251; A-F only; meets CLE req of Global Perspectives)

15591 001 LEC, 04:05pm-04:55pm M, RuttanH 143, STPAUL, 04:05pm-06:00pm W, RuttanH B25, STPAUL, instruction mode: Classroom; Meets with: 15592 ESPM 5251; Current, Dean Alan, 3 cr

3271 Environmental Policy, Law, and Human Behavior

(A-F only; meets CLE req of Civic Life and Ethics; meets CLE req of Social Sciences)

001 LEC, 10:40am-11:30am M, GrnH 110, STPAUL, instruction mode: Classroom; Nelson, Kristen C
18432 002 DIS, 10:40am-12:35pm W, GrnH 110, STPAUL, instruction mode: Classroom; Nelson, Kristen C, 3 cr

3601 Sustainable Housing--Community, Environment, and Technology

(Credit will not be granted if credit has been received for: HSG 3482; A-F only; meets CLE req of Technology and Society)

21969 001 LEC, 01:30pm-02:45pm MW, BorH 335, instruction mode: Classroom; Meets with: 21981 HSG 3482, 3 cr

3603 Environmental Life Cycle Analysis

(Credit will not be granted if credit has been received for: MGMT 3603; A-F)

17264 001 LEC, 03:00pm-04:15pm TTh, GrnH 110, STPAUL, instruction mode: Classroom; Meets with: 17265 ESPM 5603, 17957 MGMT 3603; Hill, Jason David; Howe, Jeffrey L, 3 cr

3604 Environmental Management Systems and Strategy

(Credit will not be granted if credit has been received for: ESPM 5604; A-F)

17324 001 LEC, 04:00pm-05:15pm MW, BlegH 130, instruction mode: Classroom; Meets with: 17325 ESPM 5604, 17956 MGMT 3604; Smith, Tim, 3 cr

3606W Pollution Prevention: Principles, Technologies, and Practices

(Credit will not be granted if credit has been received for: ESPM 5606; A-F; prereq CHEM 1011 or [CHEM 1015, CHEM 1017] or instr consent; meets CLE req of Writing Intensive)

17654 001 LEC, 09:45am-11:00am TTh, AmundH 116, instruction mode: Classroom; Meets with: 17656 ESPM 5606; McComas, Cindy Ann, 3 cr

3612W Soil and Environmental Biology

(prereq Biol 1009 or equiv, Chem 1021 or equiv; 2125 recommended; meets CLE req of Writing Intensive)

16148 001 LEC, 10:40am-11:30am MWF, BorH 365, STPAUL, instruction mode: Classroom; Meets with: 16147 SOIL 5611; Gutknecht, Jessica Lucille Mentzer; Ballen, Karen G, 3 cr

4041W Problem Solving for Environmental Change

(A-F only; prereq ESPM 2021 and ESPM Sr; meets CLE req of Writing Intensive)

18391 001 LEC, 03:00pm-04:55pm TTh, GrnH 203, STPAUL, instruction mode: Classroom; Johnson, Gary; Nelson, Kristen C, 4 cr

4061W Water Quality and Natural Resources

(meets CLE req of Environment; meets CLE req of Writing Intensive)

19149 001 LEC, 09:35am-10:25am MWF, . ROOM-TBA, STPAUL, instruction mode: Classroom; Meets in Borlaug 365 with ESPM 5061 001; Perry, Jim A, 3 cr

4093 Directed Study

(max crs 20; 20 repeats allowed; prereq instr consent)

15544 001 LEC, instruction mode: Classroom; Becker, Dennis R, 1-7 cr
18065 002 LEC, instruction mode: Classroom; Byrd, Kimberly Lynn, 1-7 cr
18782 004 LEC, instruction mode: Classroom; Nerbonne, Julia Frost, 1-7 cr
19344 005 LEC, instruction mode: Classroom; Nelson, Kristen C, 1-7 cr
21035 006 LEC, instruction mode: Classroom; Perry, Jim A, 1-7 cr
21873 007 LEC, instruction mode: Classroom; Rosen, Carl Jay, 1-7 cr
21918 008 LEC, 10:15am-11:30am TTh, RuttanH B22, STPAUL, instruction mode: Classroom; Topic: Earth System Modeling
23316 010 LEC, instruction mode: Classroom; Oberhauser, Karen S, 1-7 cr

4094 Directed Research

(max crs 7; 7 repeats allowed; prereq instr consent)

15545 001 LEC, instruction mode: Classroom; Becker, Dennis R, 1-7 cr
18764 002 LEC, instruction mode: Classroom, 1-7 cr
22876 003 LEC, instruction mode: Classroom; Current, Dean Alan, 1-7 cr
23317 004 LEC, instruction mode: Classroom; Rosen, Carl Jay, 1-7 cr

4096 Professional Experience Program: Internship

(max crs 6; 6 repeats allowed; A-F; prereq CFANS undergrad, instr consent, completed internship contract)

12754 001 FWK, 03:00pm-03:50pm W, HodsonH 490, STPAUL, instruction mode: Classroom; Cuthbert, Francesca J, 1 cr
21895 002 FWK, 03:00pm-03:50pm T, HodsonH 495, STPAUL, instruction mode: Classroom; Allan, Deborah L, 1 cr

4216 Contaminant Hydrology (A-F only)

001 LEC, 12:50pm-01:40pm MW, Soils S415, STPAUL, instruction mode: Classroom; Gupta, Satish C
23636 002 DIS, 12:50pm-01:40pm F, Soils S415, STPAUL, instruction mode: Classroom; Gupta, Satish C, 3 cr

4295W GIS in Environmental Science and Management

(A-F only; prereq FR 3131 or instr consent; meets CLE req of Writing Intensive)

18491 001 LEC, 10:40am-12:35pm MW, SkokH 35, STPAUL, instruction mode: Classroom; Meets with: 18492 ESPM 5295; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr

4601 Soils and Pollution

(prereq [2125, [Chem 1021 or equiv], [Phys 1042 or equiv]] or instr consent ; 3416 recommended)

22699 001 LEC, 08:45am-10:00am M, CofH 50, STPAUL, 08:45am-10:00am W, McNH 144, STPAUL, instruction mode: Classroom; Nater, Ed, 3 cr

5061 Water Quality and Natural Resources (prereq Grad student or instr consent)

14697 001 LEC, 09:35am-10:25am MWF, BorH 365, STPAUL, 08:30am-09:20am W, BorH 365, STPAUL, instruction mode: Classroom; Perry, Jim A, 3 cr

5071 Ecological Restoration

(prereq [One college course in ecology, one college course in [plant science or botany]] or instr consent)

22827 001 LEC, 08:30am-10:25am MW, RuttanH B26, STPAUL, instruction mode: Classroom; Galatowitsch, Susan M, 4 cr

5101 Conservation of Plant Biodiversity

(Credit will not be granted if credit has been received for: **ESPM 3101; A-F only; prereq Grad student or instr consent**)

25474 001 LEC, 12:50pm-03:50pm M, McNH 33, STPAUL, instruction mode: Classroom; Meets with: 25473 ESPM 3101; Pike, Carrie C, 3 cr

5102 Managing International Natural Resources Programs and Projects: Forests, Water and Land Use (A-F)

26232 001 LEC, 01:30pm-02:45pm TTh, GrnH 203, STPAUL, instruction mode: Classroom; Meets with: 26231 ESPM 3102; Eckman, Karlyn, 3 cr

5108 Ecology of Managed Systems

(Credit will not be granted if credit has been received for: **ESPM 3108; A-F only; prereq Sr or grad student**)
19258 001 LEC, 08:45am-10:00am TTh, GrnH 110, STPAUL, instruction mode: Classroom; During the first 1/2 of the semester, students will be required to participate in three extended Tuesday class sections (7:30am-10:00am). These dates will be determined the first week of class.; Meets with: 19257 ESPM 3108; Jordan, Nicholas Royal; Montgomery, Rebecca Anne, 4 cr

5245 Sustainable Land Use Planning and Policy

(Credit will not be granted if credit has been received for: **ESPM 3245; A-F only; prereq Grad student or instr consent**)

13179 001 LEC, 08:45am-10:00am TTh, BioSci 64, STPAUL, instruction mode: Classroom; Students are required to meet once every two weeks from 7:30 am to 8:30 am prior to the regularly scheduled class.; Meets with: 11597 ESPM 3245; Davenport, Mae Allen, 3 cr

5251 Natural Resources in Sustainable International Development

(Credit will not be granted if credit has been received for: **ESPM 3251, LAS 3251; A-F only; prereq Grad student or instr consent**)

15592 001 LEC, 04:05pm-04:55pm M, RuttanH 143, STPAUL, 04:05pm-06:00pm W, RuttanH B25, STPAUL, instruction mode: Classroom; Meets with: 15591 ESPM 3251; Current, Dean Alan, 3 cr

5295 GIS in Environmental Science and Management

(A-F only; prereq Grad student or instr consent)
18492 001 LEC, 10:40am-12:35pm MW, SkokH 35, STPAUL, instruction mode: Classroom; Meets with: 18491 ESPM 4295W; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr

5402 Biometeorology

(prereq **MATH 1271, PHYS 1201, STAT 3011, [Grad or instr consent]**)

20813 001 LEC, 01:30pm-02:45pm TTh, Soils S415, STPAUL, instruction mode: Classroom; Griffis, Timothy John, 3 cr

5555 Wetland Soils

(Credit will not be granted if credit has been received for: **SOIL 5555; A-F only; prereq 1125 or 2125 or equiv or instr consent ; Concurrent registration is required (or allowed) in 4511 recommended**)

001 LEC, 03:00pm-03:50pm MW, RuttanH B30, STPAUL, instruction mode: Classroom; Please contact instructor for assistance in registering for this course.; Meets with: 17010 SOIL 5555; Wheeler, Daniel B; Nater, Ed
15560 002 FWK, 03:00pm-06:00pm Th, HodsonH 495, STPAUL, instruction mode: Classroom; Please contact instructor for assistance in registering for this course.; Meets with: 24316 LAAS 5480, 11811 SOIL 5555; Wheeler, Daniel B; Nater, Ed, 3 cr

5603 Environmental Life Cycle Analysis

(A-F; prereq [Math 1142 or [Math 1271, Math 1282]], [Econ 1101 or ApEc 1101])

17265 001 LEC, 03:00pm-04:15pm TTh, GrnH 110, STPAUL, instruction mode: Classroom; Meets with: 17264 ESPM 3603, 17957 MGMT 3603; Hill, Jason David; Howe, Jeffrey L, 3 cr

5604 Environmental Management Systems and Strategy

(Credit will not be granted if credit has been received for: **ESPM 3604; A-F**)

17325 001 LEC, 04:00pm-05:15pm MW, BlegH 130, instruction mode: Classroom; Meets with: 17324 ESPM 3604, 17956 MGMT 3604; Smith, Tim, 3 cr

5606 Pollution Prevention: Principles, Technologies, and Practices

(Credit will not be granted if credit has been received for: **ESPM 3606W; A-F; prereq CHEM 1011 or [CHEM 1015, CHEM 1017] or instr consent**)

17656 001 LEC, 09:45am-11:00am TTh, AmundH 116, instruction mode: Classroom; Meets with: 17654 ESPM 3606W; McComas, Cindy Ann, 3 cr

EXPERIMENTAL AND CLINICAL PHARMACOLOGY (ECP)

7-159 WDH, 308 Harvard St SE, East Bank Campus, Minneapolis, MN, 55455
612/626-9936, <http://www.pharmacy.umn.edu>

5220 Regulatory Issues in Drug Research

(prereq **ECP grad student or Pharm.D. professional student or instr consent**)

24346 001 LEC, 08:00am-09:55am Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Birnbaum PhD, Angela K, 2 cr

5290 Clinical Clerkship

(max crs 16; 16 repeats allowed; prereq **Grad experimental and clinical pharmacology**)

22108 001 ROT, instruction mode: Classroom; Kriel MD, Robert L., 1-8 cr

8100 Seminar

(max crs 8; 8 repeats allowed; prereq **ECP grad student or instr consent**)

14710 001 LEC, 12:20pm-01:10pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Course meets with PHAR 6160 in Moos 1-450, fall 2013.; Meets with: 19390 PHAR 6160; St Hill, Catherine A., 1 cr

8200 Research Problems

(max crs 16; 16 repeats allowed; prereq **Grad SACP major (ECP Track) or instr consent**)

20244 001 IND, instruction mode: Classroom; Brundage, Richard, 1-8 cr

8230 Principles of Clinical Pharmacology

(A-F; prereq **Grad student in Experimental and Clinical Pharmacology or instr consent**)

24589 001 DIS F, Room TBA, instruction mode: Classroom; Kirstein, Mark Noel, 2 cr

8400 Pharmacometrics

(prereq **ECP grad major or instr consent**)

15300 001 LEC, instruction mode: Classroom, 3 cr

8410 Population Pharmacokinetic Modeling

(A-F only)

17430 001 LEC, 11:15am-12:05pm TTh, . ROOM-TBA, instruction mode: Classroom; Cancelled; Brundage, Richard, 2 cr

8430 Advances in Pharmacometrics

Modeling and Simulation

(max crs 6; 6 repeats allowed; S-N; prereq **Grad student in ECP or PHM or instr consent**)

20184 001 DIS, 10:10am-12:05pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Course meets in 717 Delaware classroom.; Brundage, Richard, 1 cr

8444 FTE: Doctoral

(NGA)

23298 001 IND, instruction mode: Classroom, 1 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq **Max 18 cr per semester or summer; 24 cr required**)

21206 001 IND, instruction mode: Classroom, 1-24 cr

8900 Advanced Topics in Experimental and Clinical Pharmacology

(max crs 8; 4 repeats allowed; prereq **ECP grad program or instr consent**)

23098 001 IND, 01:25pm-03:20pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Kirstein, Mark Noel, 1-4 cr

23312 002 IND, 11:00am-12:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Kartha PhD, Reena, 1-4 cr

24396 003 IND, instruction mode: Classroom; Straka, Robert J, 1-4 cr

8992 Directed Readings in Experimental and Clinical Pharmacology

(max crs 4; 4 repeats allowed)

14711 001 IND, 03:00pm-04:30pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets in

7-193/5 Weaver-Densford Hall.; Peterson, Marnie Lorraine, 1-2 cr

8993 Directed Study in Experimental and Clinical Pharmacology

(max crs 4)

14989 001 LEC, instruction mode: Classroom; Birnbaum PhD, Angela K, 1-4 cr

17015 002 LEC, instruction mode: Classroom; Brundage, Richard, 1-4 cr

18572 003 LEC, instruction mode: Classroom; Johnson PhD, L'Aurelle Anna Lee, 1-4 cr

19939 004 LEC, instruction mode: Classroom; Kirstein, Mark Noel, 1-4 cr

24446 005 LEC, instruction mode: Classroom; Cloyd PharmD, James Cokely, 1-4 cr

FAMILY MEDICINE AND COMMUNITY HEALTH (FMCH)

6-240 Phillips-Wangensteen (MMC 381), 516 Delaware St Se, East Bank Campus, Minneapolis, MN, 55455

612/624-2622, <http://www.fm.umn.edu>

5564 Family Practice Seminar

(max crs 9; 9 repeats allowed; O-N only; prereq **MD or DO degree**)

12045 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom; Bland, Carole Jeanne; Yeazel, Mark William, 1 cr

5950 Clinical Issues in Human Sexuality

(O-N only; prereq **Enrollment in health sci grad programs in CSPP, Psy, PubH, SW or FSoS or instr consent**)

12253 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom; Coleman, Eli, 2 cr

5955 Directed Study

(max crs 10; O-N only; prereq **instr consent ; qualified students may arrange for work on a tutorial basis**)

12046 001 IND, 08/03/15-12/23/15, instruction mode: Classroom; Bland, Carole Jeanne; Yeazel, Mark William, 1-10 cr

19513 002 IND, 08/03/15-12/23/15, instruction mode: Classroom; van Ryn PhD, Michelle, 1-10 cr

7500 Sub-internship in Family Medicine

(max crs 4; HNV; prereq **MED 7500 or PED 7501**)

13810 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr

7501 Rural Physician Associate Program (RPAP)

(max crs 18; 3 repeats allowed; HNV; prereq **Med 7500, Obst 7500, USMLE Step 1 Passing Score**)

12666 001 FWK, 08/06/15-01/28/16, instruction mode: Classroom; Brooks, Kathleen, 2-6 cr

7502 Rural Physician Associate Program (RPAP): Orthopaedic Surgery

(max crs 4; P-N only; prereq **7501, RPAP student**)

16723 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr

7503 Preceptorship in Family Medicine Obstetrics

(max crs 4; HNV; prereq **instr consent**)

13831 015 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Power, David Victor, 2-4 cr

13832 016 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Hillstrom, Judith A.; Power, David Victor, 2-4 cr

7504 Rural Physician Associate Program (RPAP): Surgery

(HNV; prereq **Med 7500, Obst 7500, USMLE Step 1 Passing Score**)

15871 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 6 cr

7505 Rural Physician Associate Program (RPAP): Obstetrics and Gynecology

(HNV; prereq **7501**)

15339 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 6 cr

7506 Rural Physician Associate Program (RPAP): Pediatrics

(HNV; prereq **7501**)

15872 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 6 cr

11719 002 DIS, 02:30pm-04:25pm Th, Armory 116, instruction mode: Classroom, 4 cr
 11720 003 DIS, 02:30pm-04:25pm Th, Armory 202, instruction mode: Classroom, 4 cr
 11721 004 DIS, 02:30pm-04:25pm Th, MCB 2-120, instruction mode: Classroom, 4 cr
 14483 005 DIS, 02:30pm-04:25pm Th, Peikh 28, instruction mode: Classroom, 4 cr

1301 Cash or Credit: You Need to Know

(A-F only)

18874 001 LEC, instruction mode: Correspondence; If auditing this course, you will need instructor permission before registering.; Zuiker PhD, Virginia Solis, 1 cr

2101 Preparation for Working With Families

(A-F only)

11697 001 LEC, instruction mode: Correspondence; If auditing this course, you will need instructor permission before registering.; Goodman, William Joseph, 2 cr

2103 Family Policy

16186 001 LEC, 08:45am-10:00am TTh, HodsonH 495, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; 3 seats reserved for FSoS major, NASS students; Magistad, Beth Maddock, 3 cr

2105 Methods in Family Research

(Credit will not be granted if credit has been received for: FSOS 4105; prereq STAT 3011 or PSTL 1004 or STAT 1001 or ESPY 3264 or SOC 3811 or SOC 2550 or PSY 3801 or instr consent)

16187 001 LEC, 08:45am-10:00am MW, KaufL 302, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; 3 seats reserved for FSoS major, NASS students; Rueter, Martha A, 3 cr

2191 Independent Study in Family Social Science

(max crs 12; 12 repeats allowed; prereq Soph, instr consent)

11763 001 IND, instruction mode: Independent/Directed Studies; August, Gerald, 1-4 cr
 15907 002 IND, instruction mode: Independent/Directed Studies; Borden, Lynne Marie, 1-4 cr
 15908 003 IND, instruction mode: Independent/Directed Studies; Danes, Sharon M, 1-4 cr
 15909 004 IND, instruction mode: Independent/Directed Studies; Doherty, William J, 1-4 cr
 15910 005 IND, instruction mode: Independent/Directed Studies; Dworkin, Jodi, 1-4 cr
 15911 006 IND, instruction mode: Independent/Directed Studies; Gewirtz, Abigail, 1-4 cr
 15912 007 IND, instruction mode: Independent/Directed Studies; Goodman, William Joseph, 1-4 cr
 15913 008 IND, instruction mode: Independent/Directed Studies; Harris, Steven Michael, 1-4 cr
 15914 009 IND, instruction mode: Independent/Directed Studies; Magistad, Beth Maddock, 1-4 cr
 18871 010 IND, instruction mode: Independent/Directed Studies; McGuire, Jenifer K, 1-4 cr
 15915 011 IND, instruction mode: Independent/Directed Studies; Mendenhall PhD, Tai Justin, 1-4 cr
 15916 012 IND, instruction mode: Independent/Directed Studies; Meyer, Cynthia Jo, 1-4 cr
 15917 013 IND, instruction mode: Independent/Directed Studies; Piehler, Timothy Farr, 1-4 cr
 15918 014 IND, instruction mode: Independent/Directed Studies; Rueter, Martha A, 1-4 cr
 15919 015 IND, instruction mode: Independent/Directed Studies; Serido, Joyce, 1-4 cr
 22325 016 IND, instruction mode: Independent/Directed Studies; Solheim PhD, Catherine Ann, 1-4 cr
 22525 017 IND, instruction mode: Independent/Directed Studies; Stum, Marlene Sue, 1-4 cr
 22603 018 IND, instruction mode: Independent/Directed Studies; Walker, Susan K, 1-4 cr
 24600 019 IND, instruction mode: Independent/Directed Studies; Weiler, Lindsey Michelle, 1-4 cr
 26507 020 IND, instruction mode: Independent/Directed Studies; Wieling, Elizabeth, 1-4 cr
 26508 021 IND, instruction mode: Independent/Directed Studies; Xiong PhD, Zha Blong, 1-4 cr
 26516 022 IND, instruction mode: Independent/Directed Studies; Zuiker PhD, Virginia Solis, 1-4 cr

3101 Personal and Family Finances

(prereq FSOS 4106 is a recommended prerequisite for this course.)

11725 001 LEC, instruction mode: Correspondence; If auditing this course, you will need instructor permission before registering. After 11:59 PM Friday of the first week

of the term, registration is closed and requires instructor permission., 3 cr

3102 Family Systems and Diversity

(Credit will not be granted if credit has been received for: FSOS 5101; prereq At least soph or instr consent; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences)

11724 001 LEC, 01:30pm-02:45pm MW, HodsonH 495, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; 1 seat reserved for Integrated Degree Program B S; Axtell, Sara Ann, 3 cr

18114 002 LEC, 11:45am-01:00pm TTh, HodsonH 495, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; Xiong PhD, Zha Blong, 3 cr

3104 Global and Diverse Families

(Credit will not be granted if credit has been received for: FSOS 4102; prereq at least Soph or instr consent; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

16188 001 LEC, 06:00pm-08:45pm T, BioSci 64, STPAUL, instruction mode: Partially Online; If auditing this course, you will need instructor permission before registering.; Solheim PhD, Catherine Ann, 3 cr

3191 Independent Study in Family Social Science

(max crs 12; 12 repeats allowed; prereq Jr, instr consent)

11764 001 IND, instruction mode: Independent/Directed Studies; August, Gerald, 1-5 cr
 15920 002 IND, instruction mode: Independent/Directed Studies; Borden, Lynne Marie, 1-5 cr
 15921 003 IND, instruction mode: Independent/Directed Studies; Danes, Sharon M, 1-5 cr
 15922 004 IND, instruction mode: Independent/Directed Studies; Doherty, William J, 1-5 cr
 15923 005 IND, instruction mode: Independent/Directed Studies; Dworkin, Jodi, 1-5 cr
 15924 006 IND, instruction mode: Independent/Directed Studies; Gewirtz, Abigail, 1-5 cr
 15925 007 IND, instruction mode: Independent/Directed Studies; Goodman, William Joseph, 1-5 cr
 15926 008 IND, instruction mode: Independent/Directed Studies; Harris, Steven Michael, 1-5 cr
 15927 009 IND, instruction mode: Independent/Directed Studies; Magistad, Beth Maddock, 1-5 cr
 18872 010 IND, instruction mode: Independent/Directed Studies; McGuire, Jenifer K, 1-5 cr
 15928 011 IND, instruction mode: Independent/Directed Studies; Mendenhall PhD, Tai Justin, 1-5 cr
 15929 012 IND, instruction mode: Independent/Directed Studies; Meyer, Cynthia Jo, 1-5 cr
 15930 013 IND, instruction mode: Independent/Directed Studies; Piehler, Timothy Farr, 1-5 cr
 15931 014 IND, instruction mode: Independent/Directed Studies; Rueter, Martha A, 1-5 cr
 15932 015 IND, instruction mode: Independent/Directed Studies; Serido, Joyce, 1-5 cr
 22326 016 IND, instruction mode: Independent/Directed Studies; Solheim PhD, Catherine Ann, 1-5 cr
 22526 017 IND, instruction mode: Independent/Directed Studies; Stum, Marlene Sue, 1-5 cr
 22604 018 IND, instruction mode: Independent/Directed Studies; Walker, Susan K, 1-5 cr
 24601 019 IND, instruction mode: Independent/Directed Studies; Weiler, Lindsey Michelle, 1-5 cr
 26509 020 IND, instruction mode: Independent/Directed Studies; Wieling, Elizabeth, 1-5 cr
 26510 021 IND, instruction mode: Independent/Directed Studies; Xiong PhD, Zha Blong, 1-5 cr
 26517 022 IND, instruction mode: Classroom; Zuiker PhD, Virginia Solis, 1-5 cr

3426 Alcohol and Drugs: Families and Culture

(Credit will not be granted if credit has been received for: FSOS 5426)

18116 001 LEC, instruction mode: Correspondence; This is an online course. If auditing this course, you will need instructor permission before registering., 3 cr

3429 Counseling Skills Practicum I

(Credit will not be granted if credit has been received for: FSOS 5429)

18875 001 LEC, 06:00pm-08:45pm M, McNH 146, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; Meets with: 17733 FSOS 5429; Meyer, Cynthia Jo, 3 cr
 18876 002 LEC, 10:15am-11:30am TTh, RuttanH B26, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; Goodman, William Joseph, 3 cr

4101 Sexuality and Gender in Families and Close Relationships

(prereq At least jr or instr consent)

11722 001 LEC, 01:30pm-02:45pm TTh, HodsonH 495, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; Meyer, Cynthia Jo, 3 cr

4104W Family Psychology

(prereq At least jr or instr consent; meets CLE req of Writing Intensive)

15670 001 LEC, 08:45am-10:00am MW, McNH 10, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering., 3 cr
 18117 002 LEC, 03:00pm-04:15pm TTh, BorH 365, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; Piehler, Timothy Farr, 3 cr

4106 Family Resource Management

(credit will not be granted if credit received for: 3103)

22293 001 LEC, 01:30pm-02:45pm MW, McNH 144, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; Magistad, Beth Maddock, 3 cr

4153 Family Financial Counseling

(A-F only; prereq [3101, 3102, 3429] or instr consent)

16173 001 LEC, 10:15am-11:30am TTh, McNH 395, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; Zuiker PhD, Virginia Solis, 3 cr

4155 Parent-Child Relationships

(A-F only; prereq At least jr or instr consent)

11727 001 LEC, 11:45am-01:00pm TTh, McNH 144, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; Magistad, Beth Maddock, 3 cr
 25455 002 LEC, 10:15am-11:30am MW, McNH 144, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering., 3 cr

4160H Honors Capstone Project

(max crs 4; A-F; prereq FSoS honors; meets HON req of Honors)

17994 001 IND, instruction mode: Independent/Directed Studies; August, Gerald, 2 cr
 17995 002 IND, instruction mode: Independent/Directed Studies; Borden, Lynne Marie, 2 cr
 17996 003 IND, instruction mode: Independent/Directed Studies; Danes, Sharon M, 2 cr
 17997 004 IND, instruction mode: Independent/Directed Studies; Doherty, William J, 2 cr
 17998 005 IND, instruction mode: Independent/Directed Studies; Dworkin, Jodi, 2 cr
 17999 006 IND, instruction mode: Independent/Directed Studies; Gewirtz, Abigail, 2 cr
 18000 007 IND, instruction mode: Independent/Directed Studies; Goodman, William Joseph, 2 cr
 18001 008 IND, instruction mode: Independent/Directed Studies; Harris, Steven Michael, 2 cr
 18002 009 IND, instruction mode: Independent/Directed Studies; Magistad, Beth Maddock, 2 cr
 18003 010 IND, instruction mode: Independent/Directed Studies; McGuire, Jenifer K, 2 cr
 18004 011 IND, instruction mode: Independent/Directed Studies; Mendenhall PhD, Tai Justin, 2 cr
 18005 012 IND, instruction mode: Independent/Directed Studies; Meyer, Cynthia Jo, 2 cr
 18006 013 IND, instruction mode: Independent/Directed Studies; Piehler, Timothy Farr, 2 cr
 18007 014 IND, instruction mode: Independent/Directed Studies; Rueter, Martha A, 2 cr
 18008 015 IND, instruction mode: Independent/Directed Studies; Serido, Joyce, 2 cr
 22329 016 IND, instruction mode: Independent/Directed Studies; Solheim PhD, Catherine Ann, 2 cr
 22538 017 IND, instruction mode: Independent/Directed Studies; Stum, Marlene Sue, 2 cr
 22605 018 IND, instruction mode: Independent/Directed Studies; Walker, Susan K, 2 cr
 24602 019 IND, instruction mode: Independent/Directed Studies; Weiler, Lindsey Michelle, 2 cr
 26511 020 IND, instruction mode: Independent/Directed Studies; Wieling, Elizabeth, 2 cr
 26512 021 IND, instruction mode: Independent/Directed Studies; Xiong PhD, Zha Blong, 2 cr
 26518 022 IND, instruction mode: Independent/Directed Studies; Zuiker PhD, Virginia Solis, 2 cr

4191 Independent Study in Family Social Science

(max crs 12; 12 repeats allowed; prereq Sr, instr consent)

11765 001 IND, instruction mode: Independent/Directed Studies; August, Gerald, 1-4 cr
 15933 002 IND, instruction mode: Independent/Directed Studies; Borden, Lynne Marie, 1-4 cr
 15934 003 IND, instruction mode: Independent/Directed Studies; Danes, Sharon M, 1-4 cr
 15935 004 IND, instruction mode: Independent/Directed Studies; Doherty, William J, 1-4 cr
 15936 005 IND, instruction mode: Independent/Directed Studies; Dworkin, Jodi, 1-4 cr
 15937 006 IND, instruction mode: Independent/Directed Studies; Gewirtz, Abigail, 1-4 cr
 15938 007 IND, instruction mode: Independent/Directed Studies; Goodman, William Joseph, 1-4 cr
 15939 008 IND, instruction mode: Independent/Directed Studies; Harris, Steven Michael, 1-4 cr
 15940 009 IND, instruction mode: Independent/Directed Studies; Magstad, Beth Maddock, 1-4 cr
 18873 010 IND, instruction mode: Independent/Directed Studies; McGuire, Jennifer K, 1-4 cr
 15941 011 IND, instruction mode: Independent/Directed Studies; Mendenhall PhD, Tai Justin, 1-4 cr
 15942 012 IND, instruction mode: Independent/Directed Studies; Meyer, Cynthia Jo, 1-4 cr
 15943 013 IND, instruction mode: Independent/Directed Studies; Piehler, Timothy Farr, 1-4 cr
 15944 014 IND, instruction mode: Independent/Directed Studies; Rueter, Martha A, 1-4 cr
 15945 015 IND, instruction mode: Independent/Directed Studies; Serido, Joyce, 1-4 cr
 22327 016 IND, instruction mode: Independent/Directed Studies; Solheim PhD, Catherine Ann, 1-4 cr
 22539 017 IND, instruction mode: Independent/Directed Studies; Stum, Marlene Sue, 1-4 cr
 22606 018 IND, instruction mode: Independent/Directed Studies; Walker, Susan K, 1-4 cr
 24603 019 IND, instruction mode: Independent/Directed Studies; Weiler, Lindsey Michelle, 1-4 cr
 26513 020 IND, instruction mode: Independent/Directed Studies; Wieling, Elizabeth, 1-4 cr
 26514 021 IND, instruction mode: Independent/Directed Studies; Xiong PhD, Zha Blong, 1-4 cr
 26519 022 IND, instruction mode: Independent/Directed Studies; Zuiker PhD, Virginia Solis, 1-4 cr

4294 Research Internship**(max crs 12; 3 repeats allowed; prereq [FSOS major, at least jr] or instr consent)**

11767 001 IND, instruction mode: Independent/Directed Studies; August, Gerald, 1-4 cr
 15946 002 IND, instruction mode: Independent/Directed Studies; Borden, Lynne Marie, 1-4 cr
 15947 003 IND, instruction mode: Independent/Directed Studies; Danes, Sharon M, 1-4 cr
 15948 004 IND, instruction mode: Independent/Directed Studies; Doherty, William J, 1-4 cr
 15949 005 IND, instruction mode: Independent/Directed Studies; Dworkin, Jodi, 1-4 cr
 15950 006 IND, instruction mode: Independent/Directed Studies; Gewirtz, Abigail, 1-4 cr
 15951 007 IND, instruction mode: Independent/Directed Studies; Goodman, William Joseph, 1-4 cr
 15952 008 IND, instruction mode: Independent/Directed Studies; Harris, Steven Michael, 1-4 cr
 15953 009 IND, instruction mode: Independent/Directed Studies; Magstad, Beth Maddock, 1-4 cr
 15954 010 IND, instruction mode: Independent/Directed Studies; McGuire, Jennifer K, 1-4 cr
 15955 011 IND, instruction mode: Independent/Directed Studies; Mendenhall PhD, Tai Justin, 1-4 cr
 15956 012 IND, instruction mode: Independent/Directed Studies; Meyer, Cynthia Jo, 1-4 cr
 15957 013 IND, instruction mode: Independent/Directed Studies; Piehler, Timothy Farr, 1-4 cr
 15958 014 IND, instruction mode: Independent/Directed Studies; Rueter, Martha A, 1-4 cr
 15959 015 IND, instruction mode: Independent/Directed Studies; Serido, Joyce, 1-4 cr
 22328 016 IND, instruction mode: Independent/Directed Studies; Solheim PhD, Catherine Ann, 1-4 cr
 22540 017 IND, instruction mode: Independent/Directed Studies; Stum, Marlene Sue, 1-4 cr
 22607 018 IND, instruction mode: Independent/Directed Studies; Walker, Susan K, 1-4 cr
 24604 019 IND, instruction mode: Independent/Directed Studies; Weiler, Lindsey Michelle, 1-4 cr
 26520 020 IND, instruction mode: Independent/Directed Studies; Wieling, Elizabeth, 1-4 cr
 26521 021 IND, instruction mode: Independent/Directed Studies; Xiong PhD, Zha Blong, 1-4 cr
 26522 022 IND, instruction mode: Independent/Directed Studies; Zuiker PhD, Virginia Solis, 1-4 cr

4296 Field Study: Working With Families**(max crs 12; 4 repeats allowed; S-N only; prereq 2101 or instr consent)**

11705 001 FWK, instruction mode: Primarily Online; Class meets online except for one required in-person meeting for the Undergraduate Showcase, date and time TBD. If auditing this course, you will need instructor permission before registering.; Goodman, William Joseph, 1-12 cr

5014 Quantitative Family Research Methods I**(prereq Grad student or instr consent)**

33952 001 LEC, 01:30pm-02:45pm TTh, McNH 375, STPAUL, instruction mode: Classroom, 3 cr

5015 Family Research Laboratory**(S-N only; prereq Grad student or instr consent)**

33953 001 LAB, 10:15am-11:15am T, MagrathLib 6, STPAUL, instruction mode: Classroom; Schulz, Cathy L, 1 cr

5150 Special Topics in Family Social Science**(max crs 24; 6 repeats allowed; prereq instr consent)**

34405 001 LEC, instruction mode: Classroom, 1-4 cr

5193 Directed Study in Family Social Science**(max crs 6; prereq FSoS or grad student in related field)**

12765 001 IND, instruction mode: Independent/Directed Studies; August, Gerald, 1-6 cr
 15993 002 IND, instruction mode: Independent/Directed Studies; Axtell, Sara Ann, 1-6 cr
 15994 003 IND, instruction mode: Independent/Directed Studies; Borden, Lynne Marie, 1-6 cr
 15995 004 IND, instruction mode: Independent/Directed Studies; Danes, Sharon M, 1-6 cr
 15996 005 IND, instruction mode: Independent/Directed Studies; Doherty, William J, 1-6 cr
 15997 006 IND, instruction mode: Independent/Directed Studies; Dworkin, Jodi, 1-6 cr
 15998 007 IND, instruction mode: Independent/Directed Studies; Gewirtz, Abigail, 1-6 cr
 15999 008 IND, instruction mode: Independent/Directed Studies; Goodman, William Joseph, 1-6 cr
 16000 009 IND, instruction mode: Independent/Directed Studies; Harris, Steven Michael, 1-6 cr
 16001 010 IND, instruction mode: Independent/Directed Studies; McGuire, Jennifer K, 1-6 cr
 16002 011 IND, instruction mode: Independent/Directed Studies; Mendenhall PhD, Tai Justin, 1-6 cr
 25546 012 IND, instruction mode: Independent/Directed Studies; Meyer, Cynthia Jo, 1-6 cr
 16003 013 IND, instruction mode: Independent/Directed Studies; Piehler, Timothy Farr, 1-6 cr
 16004 014 IND, instruction mode: Independent/Directed Studies; Rueter, Martha A, 1-6 cr
 16005 015 IND, instruction mode: Independent/Directed Studies; Serido, Joyce, 1-6 cr
 16006 016 IND, instruction mode: Independent/Directed Studies; Solheim PhD, Catherine Ann, 1-6 cr
 18118 017 IND, instruction mode: Independent/Directed Studies; Stum, Marlene Sue, 1-6 cr
 20272 018 IND, instruction mode: Independent/Directed Studies; Walker, Susan K, 1-6 cr
 22330 019 IND, instruction mode: Independent/Directed Studies; Weiler, Lindsey Michelle, 1-6 cr
 26523 020 IND, instruction mode: Independent/Directed Studies; Wieling, Elizabeth, 1-6 cr
 26524 021 IND, instruction mode: Independent/Directed Studies; Xiong PhD, Zha Blong, 1-6 cr
 26525 022 IND, instruction mode: Independent/Directed Studies; Zuiker PhD, Virginia Solis, 1-6 cr

5429 Counseling Skills Practicum I**(Credit will not be granted if credit has been received for: FSOS 3429)**

17733 I001 LEC, 06:00pm-08:45pm M, McNH 146, STPAUL, instruction mode: Classroom; If auditing this course, you will need instructor permission before registering.; Meets with: 18875 FSOS 3429; Meyer, Cynthia Jo, 3 cr

5902 Family Education Perspectives**(A-F only)**

22285 I001 LEC, 08:00pm-08:50pm M, . NORMREQD, OFFCAMPUS, instruction mode: Correspondence; Course starts Wednesday, September 9, 2015; ends Tuesday, December 15, 2015. Each module starts on Wednesday (Day 1) and continues through Tuesday (Day 7). Course schedule: Days 1-5: Reading & Online discussion; Day 6: online chat; Day 7: weekly online reflection. Required online chats will be held every other week on Mondays from 8:00-8:50 PM Central Time. If auditing this course, you will need instructor permission before registering., 3 cr

5932 Introduction to Parent Education**(A-F)**

22286 I001 LEC, 07:00pm-07:50pm Th, . NORMREQD, OFFCAMPUS, 09/26/15-10/30/15, instruction mode: Correspondence; Online course. Starts Saturday, September 26, 2015; ends Friday, October 30, 2015. Class consists of 5 weekly modules. Each module starts on Saturday (Day 1) and continues through Friday (Day 7). Course schedule: Days 1-5: Reading & online discussion; Day 6: online chat; Day 7: weekly online reflection. Required online chats will be held from 7:00-7:50 P.M. Central Time on Thursdays. If auditing this course, you will need instructor permission before registering.; Walker, Susan K, 1 cr

5937 Parent-Child Interaction**(A-F; credit will not be granted if credit received for: FE 5712)**

22288 I001 LEC, 08:00pm-08:50pm Th, . NORMREQD, OFFCAMPUS, 09/12/15-12/11/15, instruction mode: Correspondence; Online course. Starts Saturday September 12, 2015; ends Friday, December 11, 2015. Class consists of 13 weekly modules. Each module starts on Saturday (Day 1) and continues through Friday (Day 7). Course schedule: Days 1-5: Reading & online discussion; Day 6: online chat; Day 7: weekly online reflection. Required online chats will be held Thursday from 8:00-8:50 P.M. Central Time. Credit will not be granted if credit received for FE 5712.If auditing this course, you will need instructor permission before registering.; Walker, Susan K, 3 cr

5944 Parent Education Curriculum**(A-F; prereq 5943 or instr consent)**

22289 I001 DIS, 08:00pm-08:50pm T, . NORMREQD, OFFCAMPUS, 09/10/15-10/28/15, instruction mode: Correspondence; Prereq 5943 or instructor permission; Online course, Thursday, September 10, 2015 to Wednesday, October 28, 2015. Class consists of 7 weekly modules. Each module starts on Thursday (Day 1) and continues through Wednesday (Day 7). Course schedule: Days 1-5: Reading & online discussion; Day 6: online chat; Day 7: weekly online reflection. Required online chats will be held from 8:00-8:50 P.M. Central Time on Tuesdays.If auditing this course, you will need instructor permission before registering.; Cline, Heather Marie, 2 cr

5945 Teaching and Learning in Parent Education**(A-F; prereq 5943 or instr consent)**

22290 I001 DIS, 08:00pm-08:50pm T, . NORMREQD, OFFCAMPUS, 10/29/15-12/16/15, instruction mode: Correspondence; Prereq 5943; Online course. Starts Thursday October 29, 2015; ends Wednesday Dec. 16, 2015. Class consists of 7 weekly modules. Each module starts on Thursday (Day 1) and continues through Wednesday (Day 7). Course schedule: Days 1-5: Reading & online discussion; Day 6: online chat; Day 7: weekly online reflection. Required online chats will be held from 8:00-8:50 P.M. Central Time on Tuesdays.If auditing this course, you will need instructor permission before registering.; Cline, Heather Marie, 2 cr

8001 Conceptual Frameworks in the Family**(A-F)**

11756 001 LEC, 09:35am-12:30pm F, McNH 375, STPAUL, instruction mode: Classroom; Danes, Sharon M, 3 cr

8014 Quantitative Family Research**Methods II****(A-F; prereq [5014 or equiv], [8001 or equiv], [two stat courses or instr consent])**

18888 001 LEC, 01:30pm-04:15pm W, McNH 146, STPAUL, instruction mode: Classroom; Rueter, Martha A, 3 cr

8015 Advanced Qualitative Family**Research Methods****(A-F; prereq 8013 or instr consent)**

33954 001 DIS, 01:30pm-04:15pm M, McNH 375, STPAUL, instruction mode: Classroom; Wieling, Elizabeth, 3 cr

8193 Directed Study in Family Social Science**(max crs 12; 12 repeats allowed; prereq Doctoral student in FSoS or related field)**

12766 001 IND, instruction mode: Independent/Directed Studies; August, Gerald, 1-6 cr
 16008 002 IND, instruction mode: Independent/Directed Studies; Axtell, Sara Ann, 1-6 cr
 16009 003 IND, instruction mode: Independent/Directed Studies; Borden, Lynne Marie, 1-6 cr
 16007 004 IND, instruction mode: Independent/Directed Studies; Danes, Sharon M, 1-6 cr

16010 005 IND, instruction mode: Independent/Directed Studies; Doherty, William J, 1-6 cr
 16011 006 IND, instruction mode: Independent/Directed Studies; Dworkin, Jodi, 1-6 cr
 16012 007 IND, instruction mode: Independent/Directed Studies; Gewirtz, Abigail, 1-6 cr
 16013 008 IND, instruction mode: Independent/Directed Studies; Goodman, William Joseph, 1-6 cr
 16014 009 IND, instruction mode: Independent/Directed Studies; Harris, Steven Michael, 1-6 cr
 16015 010 IND, instruction mode: Independent/Directed Studies; McGuire, Jenifer K, 1-6 cr
 16016 011 IND, instruction mode: Independent/Directed Studies; Mendenhall PhD, Tai Justin, 1-6 cr
 16017 012 IND, instruction mode: Independent/Directed Studies; Meyer, Cynthia Jo, 1-6 cr
 16018 013 IND, instruction mode: Independent/Directed Studies; Piehler, Timothy Farr, 1-6 cr
 16019 014 IND, instruction mode: Independent/Directed Studies; Rueter, Martha A, 1-6 cr
 16020 015 IND, instruction mode: Independent/Directed Studies; Serido, Joyce, 1-6 cr
 16021 016 IND, instruction mode: Independent/Directed Studies; Solheim PhD, Catherine Ann, 1-6 cr
 18119 017 IND, instruction mode: Independent/Directed Studies; Stum, Marlene Sue, 1-6 cr
 19582 018 IND, instruction mode: Independent/Directed Studies; Walker, Susan K, 1-6 cr
 24605 019 IND, instruction mode: Independent/Directed Studies; Weiler, Lindsey Michelle, 1-6 cr
 26526 020 IND, instruction mode: Independent/Directed Studies; Wieling, Elizabeth, 1-6 cr
 26527 021 IND, instruction mode: Independent/Directed Studies; Xiong PhD, Zha Blong, 1-6 cr
 26528 022 IND, instruction mode: Independent/Directed Studies; Zuiker PhD, Virginia Solis, 1-6 cr

8200 Orientation for Family Social Science (S-N only)

13200 001 LEC, 10:40am-01:00pm W, McNH 375, STPAUL, instruction mode: Classroom; Borden, Lynne Marie, 1 cr

8295 Couple/Marriage Family Therapy Practicum

(max crs 12; S-N; prereq FSOS doctoral student enrolled in Couple Family Therapy (CFT) or instr consent)

11751 001 FWK, 06:00pm-09:00pm M, McNH 377, STPAUL, instruction mode: Classroom; Weiler, Lindsey Michelle, 1-12 cr

8296 Couple/ Marriage Family Therapy Internship

(max crs 12; S-N; prereq FSOS doctoral student enrolled in Couple Family Therapy (CFT) or instr consent)

11755 001 FWK, instruction mode: Classroom; Wieling, Elizabeth, 1-12 cr

8297 Supervision of Supervision

(max crs 12; 12 repeats allowed; S-N only; prereq MFT student, instr consent)

14562 001 FWK, instruction mode: Classroom; Wieling, Elizabeth, 1-3 cr

8333 FTE: Masters

(NGA; prereq Master's student, adviser and DGS consent)

13971 001 IND, instruction mode: Classroom; August, Gerald, 1 cr
 16058 002 IND, instruction mode: Classroom; Axtell, Sara Ann, 1 cr
 16059 003 IND, instruction mode: Classroom; Borden, Lynne Marie, 1 cr
 16060 004 IND, instruction mode: Classroom; Danes, Sharon M, 1 cr
 16061 005 IND, instruction mode: Classroom; Doherty, William J, 1 cr
 16062 006 IND, instruction mode: Classroom; Dworkin, Jodi, 1 cr
 16063 007 IND, instruction mode: Classroom; Gewirtz, Abigail, 1 cr
 16064 008 IND, instruction mode: Classroom; Goodman, William Joseph, 1 cr
 16065 009 IND, instruction mode: Classroom; Harris, Steven Michael, 1 cr
 16066 010 IND, instruction mode: Classroom; McGuire, Jenifer K, 1 cr
 16067 011 IND, instruction mode: Classroom; Mendenhall PhD, Tai Justin, 1 cr
 16068 012 IND, instruction mode: Classroom; Meyer, Cynthia Jo, 1 cr
 16069 013 IND, instruction mode: Classroom; Piehler, Timothy Farr, 1 cr
 16070 014 IND, instruction mode: Classroom; Rueter, Martha A, 1 cr

16071 015 IND, instruction mode: Classroom; Serido, Joyce, 1 cr
 16072 016 IND, instruction mode: Classroom; Solheim PhD, Catherine Ann, 1 cr
 25558 017 IND, instruction mode: Classroom; Stum, Marlene Sue, 1 cr
 25559 018 IND, instruction mode: Classroom; Walker, Susan K, 1 cr
 25560 019 IND, instruction mode: Classroom; Weiler, Lindsey Michelle, 1 cr
 26529 020 IND, instruction mode: Classroom; Wieling, Elizabeth, 1 cr
 26530 021 IND, instruction mode: Classroom; Xiong PhD, Zha Blong, 1 cr
 26531 022 IND, instruction mode: Classroom; Zuiker PhD, Virginia Solis, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14107 001 IND, instruction mode: Classroom; Danes, Sharon M, 1 cr
 16073 002 IND, instruction mode: Classroom; Doherty, William J, 1 cr
 16074 003 IND, instruction mode: Classroom; Dworkin, Jodi, 1 cr
 16075 004 IND, instruction mode: Classroom; Gewirtz, Abigail, 1 cr
 16076 005 IND, instruction mode: Classroom; Harris, Steven Michael, 1 cr
 16077 006 IND, instruction mode: Classroom; Mendenhall PhD, Tai Justin, 1 cr
 16078 007 IND, instruction mode: Classroom; Rueter, Martha A, 1 cr
 16079 008 IND, instruction mode: Classroom; Solheim PhD, Catherine Ann, 1 cr
 16080 009 IND, instruction mode: Classroom; Stum, Marlene Sue, 1 cr
 16081 010 IND, instruction mode: Classroom; Walker, Susan K, 1 cr
 16082 011 IND, instruction mode: Classroom; Wieling, Elizabeth, 1 cr
 16083 012 IND, instruction mode: Classroom; Xiong PhD, Zha Blong, 1 cr
 16084 013 IND, instruction mode: Classroom; Zuiker PhD, Virginia Solis, 1 cr

8550 Advanced Topics in Family Social Science

(max crs 6; 6 repeats allowed; A-F only; prereq FSOS PhD student)

34308 001 LEC, 08:45am-11:30am T, McNH 375, STPAUL, instruction mode: Classroom; Gewirtz, Abigail, 1-6 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14225 001 IND, instruction mode: Classroom; Danes, Sharon M, 1-6 cr
 16086 002 IND, instruction mode: Classroom; Doherty, William J, 1-6 cr
 16087 003 IND, instruction mode: Classroom; Dworkin, Jodi, 1-6 cr
 16088 004 IND, instruction mode: Classroom; Gewirtz, Abigail, 1-6 cr
 16089 005 IND, instruction mode: Classroom; Harris, Steven Michael, 1-6 cr
 16090 006 IND, instruction mode: Classroom; Mendenhall PhD, Tai Justin, 1-6 cr
 16091 007 IND, instruction mode: Classroom; Rueter, Martha A, 1-6 cr
 16092 008 IND, instruction mode: Classroom; Solheim PhD, Catherine Ann, 1-6 cr
 16093 009 IND, instruction mode: Classroom; Stum, Marlene Sue, 1-6 cr
 16094 010 IND, instruction mode: Classroom; Walker, Susan K, 1-6 cr
 16095 011 IND, instruction mode: Classroom; Wieling, Elizabeth, 1-6 cr
 16096 012 IND, instruction mode: Classroom; Xiong PhD, Zha Blong, 1-6 cr
 17431 013 IND, instruction mode: Classroom; Zuiker PhD, Virginia Solis, 1-6 cr

8755 Master's Paper: Plan B Project

(max crs 6; S-N only; prereq FSOS MA student)

12764 001 IND, instruction mode: Classroom; August, Gerald, 1-6 cr
 15978 002 IND, instruction mode: Classroom; Axtell, Sara Ann, 1-6 cr
 15979 003 IND, instruction mode: Classroom; Borden, Lynne Marie, 1-6 cr

15980 004 IND, instruction mode: Classroom; Danes, Sharon M, 1-6 cr
 15981 005 IND, instruction mode: Classroom; Doherty, William J, 1-6 cr
 15982 006 IND, instruction mode: Classroom; Dworkin, Jodi, 1-6 cr
 15983 007 IND, instruction mode: Classroom; Gewirtz, Abigail, 1-6 cr
 15984 008 IND, instruction mode: Classroom; Goodman, William Joseph, 1-6 cr
 15985 009 IND, instruction mode: Classroom; Harris, Steven Michael, 1-6 cr
 15986 010 IND, instruction mode: Classroom; McGuire, Jenifer K, 1-6 cr
 15987 011 IND, instruction mode: Classroom; Mendenhall PhD, Tai Justin, 1-6 cr
 15988 012 IND, instruction mode: Classroom; Meyer, Cynthia Jo, 1-6 cr
 15989 013 IND, instruction mode: Classroom; Piehler, Timothy Farr, 1-6 cr
 15990 014 IND, instruction mode: Classroom; Rueter, Martha A, 1-6 cr
 15991 015 IND, instruction mode: Classroom; Serido, Joyce, 1-6 cr
 15992 016 IND, instruction mode: Classroom; Solheim PhD, Catherine Ann, 1-6 cr
 18120 017 IND, instruction mode: Classroom; Stum, Marlene Sue, 1-6 cr
 23645 018 IND, instruction mode: Classroom; Walker, Susan K, 1-6 cr
 25561 019 IND, instruction mode: Classroom; Weiler, Lindsey Michelle, 1-6 cr
 26538 020 IND, instruction mode: Classroom; Wieling, Elizabeth, 1-6 cr
 26539 021 IND, instruction mode: Classroom; Xiong PhD, Zha Blong, 1-6 cr
 26540 022 IND, instruction mode: Classroom; Zuiker PhD, Virginia Solis, 1-6 cr

8777 Thesis Credits: Master's

(max crs 5; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14310 001 IND, instruction mode: Classroom; August, Gerald, 1-18 cr
 16097 002 IND, instruction mode: Classroom; Axtell, Sara Ann, 1-18 cr
 16098 003 IND, instruction mode: Classroom; Borden, Lynne Marie, 1-18 cr
 16099 004 IND, instruction mode: Classroom; Danes, Sharon M, 1-18 cr
 16100 005 IND, instruction mode: Classroom; Doherty, William J, 1-18 cr
 16101 006 IND, instruction mode: Classroom; Dworkin, Jodi, 1-18 cr
 16102 007 IND, instruction mode: Classroom; Gewirtz, Abigail, 1-18 cr
 16103 008 IND, instruction mode: Classroom; Goodman, William Joseph, 1-18 cr
 16104 009 IND, instruction mode: Classroom; Harris, Steven Michael, 1-18 cr
 16105 010 IND, instruction mode: Classroom; McGuire, Jenifer K, 1-18 cr
 16106 011 IND, instruction mode: Classroom; Mendenhall PhD, Tai Justin, 1-18 cr
 16107 012 IND, instruction mode: Classroom; Meyer, Cynthia Jo, 1-18 cr
 16108 013 IND, instruction mode: Classroom; Piehler, Timothy Farr, 1-18 cr
 16109 014 IND, instruction mode: Classroom; Rueter, Martha A, 1-18 cr
 16110 015 IND, instruction mode: Classroom; Serido, Joyce, 1-18 cr
 16111 016 IND, instruction mode: Classroom; Solheim PhD, Catherine Ann, 1-18 cr
 17447 017 IND, instruction mode: Classroom; Stum, Marlene Sue, 1-18 cr
 20146 018 IND, instruction mode: Classroom; Walker, Susan K, 1-18 cr
 25564 019 IND, instruction mode: Classroom; Weiler, Lindsey Michelle, 1-18 cr
 26532 020 IND, instruction mode: Classroom; Wieling, Elizabeth, 1-18 cr
 26533 021 IND, instruction mode: Classroom; Xiong PhD, Zha Blong, 1-18 cr
 26534 022 IND, instruction mode: Classroom; Zuiker PhD, Virginia Solis, 1-18 cr

8794 Directed Research in Family Social Science

(max crs 12; 12 repeats allowed; prereq Grad FSOS major)

12782 001 IND, instruction mode: Independent/Directed Studies; August, Gerald, 1-6 cr
 16022 002 IND, instruction mode: Independent/Directed Studies; Axtell, Sara Ann, 1-6 cr

16023 003 IND, instruction mode: Independent/Directed Studies; Borden, Lynne Marie, 1-6 cr
 16024 004 IND, instruction mode: Independent/Directed Studies; Danes, Sharon M, 1-6 cr
 16025 005 IND, instruction mode: Independent/Directed Studies; Doherty, William J, 1-6 cr
 16026 006 IND, instruction mode: Independent/Directed Studies; Dworkin, Jodi, 1-6 cr
 16027 007 IND, instruction mode: Independent/Directed Studies; Gewirtz, Abigail, 1-6 cr
 16028 008 IND, instruction mode: Independent/Directed Studies; Goodman, William Joseph, 1-6 cr
 16029 009 IND, instruction mode: Independent/Directed Studies; Harris, Steven Michael, 1-6 cr
 16030 010 IND, instruction mode: Independent/Directed Studies; McGuire, Jennifer K, 1-6 cr
 16031 011 IND, instruction mode: Independent/Directed Studies; Mendenhall PhD, Tai Justin, 1-6 cr
 16032 012 IND, instruction mode: Independent/Directed Studies; Meyer, Cynthia Jo, 1-6 cr
 16033 013 IND, instruction mode: Independent/Directed Studies; Piehler, Timothy Farr, 1-6 cr
 16034 014 IND, instruction mode: Independent/Directed Studies; Rueter, Martha A, 1-6 cr
 16035 015 IND, instruction mode: Independent/Directed Studies; Serido, Joyce, 1-6 cr
 16036 016 IND, instruction mode: Independent/Directed Studies; Solheim PhD, Catherine Ann, 1-6 cr
 17451 017 IND, instruction mode: Independent/Directed Studies; Stum, Marlene Sue, 1-6 cr
 20263 018 IND, instruction mode: Independent/Directed Studies; Walker, Susan K, 1-6 cr
 24607 019 IND, instruction mode: Independent/Directed Studies; Weiler, Lindsey Michelle, 1-6 cr
 26535 020 IND, instruction mode: Independent/Directed Studies; Wieling, Elizabeth, 1-6 cr
 26536 021 IND, instruction mode: Independent/Directed Studies; Xiong PhD, Zha Blong, 1-6 cr
 26537 022 IND, instruction mode: Independent/Directed Studies; Zuiker PhD, Virginia Solis, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13745 001 IND, instruction mode: Classroom; Danes, Sharon M, 1-24 cr
 16047 002 IND, instruction mode: Classroom; Doherty, William J, 1-24 cr
 16048 003 IND, instruction mode: Classroom; Dworkin, Jodi, 1-24 cr
 16049 004 IND, instruction mode: Classroom; Gewirtz, Abigail, 1-24 cr
 16050 005 IND, instruction mode: Classroom; Harris, Steven Michael, 1-24 cr
 16051 006 IND, instruction mode: Classroom; Mendenhall PhD, Tai Justin, 1-24 cr
 16052 007 IND, instruction mode: Classroom; Rueter, Martha A, 1-24 cr
 16053 008 IND, instruction mode: Classroom; Solheim PhD, Catherine Ann, 1-24 cr
 16054 009 IND, instruction mode: Classroom; Stum, Marlene Sue, 1-24 cr
 16055 010 IND, instruction mode: Classroom; Walker, Susan K, 1-24 cr
 16056 011 IND, instruction mode: Classroom; Wieling, Elizabeth, 1-24 cr
 16057 012 IND, instruction mode: Classroom; Xiong PhD, Zha Blong, 1-24 cr
 17962 013 IND, instruction mode: Classroom; Zuiker PhD, Virginia Solis, 1-24 cr

FINANCE (Fina)

3-122 Carlson School of Management,
 321 19th Ave S, West Bank Campus,
 Minneapolis, MN, 55455
 612/624-2888, <http://www.csom.umn.edu>

3001 Finance Fundamentals

(Credit will not be granted if credit has been received for: APEC 3501, FINA 3000; A-F only; prereq ACCT 2050, OMS 2550)

12843 001 LEC, 08:15am-09:30am MW, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 1 of Mgmt 3004, SCO 3001, Mktg 3001. To register, see BA 999 Immersion Core, Sec 1. This class will meet in Hanson Hall 1102; Khan, Aamir, 3 cr
 12844 002 LEC, 01:00pm-02:15pm MW, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 2 of Mgmt 3004, SCO 3001, Mktg 3001. To register, see BA 999 Immersion Core, Sec 2. This class meets in Hanson Hall 1102; Khan, Aamir, 3 cr
 12845 003 LEC, 01:00pm-02:15pm TTh, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 3 of Mgmt

3004.SCO 3001, Mktg 3001. To register, see BA 999 Immersion Core, Sec 3. This class will meet in Hanson Hall 1102; Khan, Aamir, 3 cr
 21255 004 LEC, 11:15am-12:30pm MW, HMH 1-104, instruction mode: Classroom, 3 cr
 23399 005 LEC, 04:00pm-05:15pm MW, HMH 1-106, instruction mode: Classroom, 3 cr
 16037 020 LEC, 05:45pm-08:15pm Th, HMH 1-106, instruction mode: Classroom, 3 cr

4121 Financial Markets and Interest Rates

(Credit will not be granted if credit has been received for: FINA 4121H; A-F only; prereq 3001, CSOM major)

13345 001 LEC, 09:55am-11:35am MW, CarlSMgmt L-114, 09/08/15-10/26/15, instruction mode: Classroom; Nelson, Rick, 2 cr
 12943 002 LEC, 01:45pm-03:25pm MW, CarlSMgmt 1-132, 09/08/15-10/26/15, instruction mode: Classroom; Nelson, Rick, 2 cr
 19632 003 LEC, 09:55am-11:35am TTh, CarlSMgmt 2-213, 10/27/15-12/16/15, instruction mode: Classroom; Ward, Colin, 2 cr
 19633 004 LEC, 08:00am-09:40am TTh, CarlSMgmt L-114, 10/27/15-12/16/15, instruction mode: Classroom; Ward, Colin, 2 cr

4221 Principles of Corporate Finance

(A-F; prereq 3001, CSOM major, actuarial science major)

19635 001 LEC, 09:55am-11:35am TTh, CarlSMgmt 2-213, 09/08/15-10/26/15, instruction mode: Classroom; Szydlowski, Martin Adam, 2 cr
 19636 002 LEC, 03:45pm-05:25pm TTh, CarlSMgmt 2-215, 09/08/15-10/26/15, instruction mode: Classroom; Szydlowski, Martin Adam, 2 cr
 19637 003 LEC, 03:45pm-05:25pm MW, HMH 1-105, 10/27/15-12/16/15, instruction mode: Classroom; Szydlowski, Martin Adam, 2 cr
 20766 004 LEC, 01:45pm-03:25pm MW, CarlSMgmt 1-132, 10/27/15-12/16/15, instruction mode: Classroom; Szydlowski, Martin Adam, 2 cr

4242W Corporate Investment Decisions

(A-F only; prereq 3001, 4121, 4321, 4422, 4522, CSOM major; meets CLE req of Writing Intensive)

21256 001 LEC, 01:45pm-03:25pm TTh, CarlSMgmt L-126, instruction mode: Classroom, 4 cr

4321 Portfolio Management and Performance Evaluation

(Credit will not be granted if credit has been received for: FINA 4321H; A-F only; prereq 3001, CSOM major, can take Concurrent registration is required (or allowed) in 4522)

17599 001 LEC, 11:50am-01:30pm MW, CarlSMgmt 2-233, 09/08/15-10/26/15, instruction mode: Classroom; Alexander, Gordon J., 2 cr
 19638 002 LEC, 03:45pm-05:25pm MW, HMH 1-111, 09/08/15-10/26/15, instruction mode: Classroom; Alexander, Gordon J., 2 cr
 19639 003 LEC, 11:50am-01:30pm TTh, CarlSMgmt 2-213, 10/27/15-12/16/15, instruction mode: Classroom; Belo, Frederico, 2 cr
 19640 004 LEC, 03:45pm-05:25pm TTh, CarlSMgmt 2-215, 10/27/15-12/16/15, instruction mode: Classroom; Belo, Frederico, 2 cr

4329 Security Analysis Capstone

(A-F; prereq 4121, 4321, 4422, 4522, ACCT 5100 or ACCT 5101)

20930 001 LEC, 09:55am-11:35am MW, CarlSMgmt 1-132, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

4422 Financial Modeling

(A-F; prereq 3001, 4221, ACCT 5100 or 5101, CSOM major)

19645 001 LEC, 01:45pm-03:25pm TTh, CarlSMgmt 1-132, 10/27/15-12/16/15, instruction mode: Classroom; Molloy, John William, 2 cr
 19644 002 LEC, 11:50am-01:30pm MW, CarlSMgmt 1-132, 09/08/15-10/26/15, instruction mode: Classroom; Molloy, John William, 2 cr
 19643 003 LEC, 09:55am-11:35am TTh, CarlSMgmt 1-132, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr
 23635 004 LEC, 03:45pm-05:25pm TTh, CarlSMgmt 1-143, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

4522 Options & Derivatives I

(Credit will not be granted if credit has been received for: FINA 4523; A-F; prereq 3001, 4121, 4321 (can be concurrent), CSOM major)

20681 001 DIS, 03:45pm-05:25pm MW, HMH 1-105, 09/08/15-10/26/15, instruction mode: Classroom; Ai, Hengjie, 2 cr
 20682 002 DIS, 01:45pm-03:25pm MW, CarlSMgmt 2-233, 09/08/15-10/26/15, instruction mode: Classroom; Ai, Hengjie, 2 cr

4621 The Global Economy (Macro)

(A-F; prereq 3001, CSOM major)

19641 001 LEC, 08:00am-09:40am TTh, CarlSMgmt 2-215, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr
 19642 002 LEC, 01:45pm-03:25pm TTh, CarlSMgmt 2-233, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

4622 International Finance

(A-F; prereq CSOM major, 3001, 4121, 4221; credit will not be granted if credit already received for: Fina 4641)

20764 001 LEC, 08:00am-09:40am TTh, CarlSMgmt 2-215, 10/27/15-12/16/15, instruction mode: Classroom; Salomao, Juliana Terreiro, 2 cr
 20765 002 LEC, 11:50am-01:30pm TTh, CarlSMgmt 2-215, 10/27/15-12/16/15, instruction mode: Classroom; Salomao, Juliana Terreiro, 2 cr

6121 Debt Markets, Interest Rates, and Hedging

(A-F; prereq MBA 6230, MBA student)

17027 060 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-135, 10/27/15-12/16/15, instruction mode: Classroom; 38 seats reserved for PTMBA student; 10 seats reserved for MBA student; Nelson, Rick, 2 cr

6241 Corporate Finance Analysis and Decisions

(A-F; prereq MBA 6230, MBA student)

15210 060 LEC, 05:45pm-09:05pm T, CarlSMgmt 2-233, instruction mode: Classroom; 40 seats reserved for PTMBA student; 8 seats reserved for MBA day student, 4 cr
 14474 090 LEC, 05:45pm-09:05pm W, CarlSMgmt 2-233, instruction mode: Classroom; 48 seats reserved for PTMBA student, 4 cr

6242 Advanced Corporate Finance Analysis and Decisions

(A-F; prereq 6241, MBA student)

25847 001 LEC, 09:55am-11:35am TTh, CarlSMgmt 1-143, instruction mode: Classroom; 48 seats reserved for MBA day student, 4 cr
 25848 090 LEC, 05:45pm-09:05pm M, CarlSMgmt 2-233, instruction mode: Classroom; 48 seats reserved for PTMBA student, 4 cr

6321 Portfolio Analysis and Management

(A-F; prereq MBA 6120, MBA 6230, MBA student)

31348 001 LEC, 09:55am-11:35am MW, CarlSMgmt L-114, 10/27/15-12/16/15, instruction mode: Classroom; 63 seats reserved for MBA day student; Alexander, Gordon J., 2 cr
 12944 090 LEC, 05:45pm-09:05pm T, HMH 1-109, 10/27/15-12/16/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 2 cr

6323 Advanced Financial Modeling

(A-F; prereq 6322, MBA student)

15127 060 LEC, 05:45pm-09:05pm W, HMH 1-105, 09/08/15-10/26/15, instruction mode: Classroom; 15 seats reserved for MBA day student; 50 seats reserved for PTMBA student; Nantell, Timothy J, 2 cr

6341 World Economy

(A-F; prereq MBA 6230, MBA student)

16176 060 LEC, 05:45pm-09:05pm M, CarlSMgmt L-110, instruction mode: Classroom; 55 seats reserved for PTMBA student; 10 seats reserved for MBA day student, 4 cr

6801 Finance Independent Study

(max crs 6; prereq MBA student, instr consent)

17304 001 LEC, instruction mode: Classroom, 1-6 cr

8802 Theory of Capital Markets I: Discrete Time

(prereq [Econ 8101, Econ 8102, business admin PhD student] or instr consent)

31350 001 LEC, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

8803 Theory of Capital Markets II:

Continuous Time

(prereq [Econ 8101, Econ 8102, Bbsiness admin PhD student] or instr consent)

31351 001 LEC, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

8804 Advanced Continuous Time Finance

(prereq 8802, 8803)

31352 001 LEC, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

8812 Corporate Finance I

(prereq [Econ 8103, Econ 8104, business admin PhD student] or instr consent)

20807 001 LEC, 09/08/15-10/26/15, instruction mode: Classroom; This class will meet in CSOM 3-377, 2 cr

8820 Topics in Corporate Finance

(max crs 4; A-F only; prereq Business admin PhD student or instr consent)

31349 001 LEC, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

8892 Independent Study in Finance

(max crs 16; 16 repeats allowed; prereq Business admin PhD student or instr consent)

14735 001 IND, instruction mode: Classroom, 1-8 cr

8894 Directed Research in Finance

(max crs 16; 16 repeats allowed; prereq Business admin PhD student specializing in finance or instr consent)

14736 001 IND, instruction mode: Classroom, 1-8 cr

FINANCIAL MATHEMATICS (FM)

127 Vincent Hall, 206 Church St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-2004, <http://www.math.umn.edu/finmath/>

5001 Preparation for Financial Mathematics I

(prereq Grad MFM major or MFM program director approval)

18346 001 LEC, 05:30pm-08:00pm W, VinH 211, instruction mode: Classroom; , 3 cr

20886 002 LEC, instruction mode: Correspondence; , 3 cr

5011 Mathematical Background for Finance I

(prereq [5001, 5002] with grade of at least B or [MFM program director approval, grad MFM major])

18347 001 LEC, 05:30pm-08:50pm Th, VinH 16, instruction mode: Classroom; , 4 cr

5021 Mathematical Theory Applied to Finance I

(prereq [5011 or Concurrent registration is required (or allowed) in 5011], grad MFM major, program director approval)

18344 001 LEC, 05:30pm-08:50pm T, VinH 16, instruction mode: Classroom; , 4 cr

5031 A Practitioner's Course in Finance I

(prereq [5021 or Concurrent registration is required (or allowed) in 5021], grad MFM major, program director approval)

18345 001 LEC, 05:30pm-08:50pm W, VinH 16, instruction mode: Classroom; , 4 cr

5091 Computation, Algorithms, and Coding in Finance I

(prereq Grad MFM major, program director approval)

18343 001 LEC, 05:40pm-09:10pm M, STSS 131B, instruction mode: Classroom; , 4 cr

20887 002 LEC, instruction mode: Correspondence; , 4 cr

FINNISH (Fin)

320 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-2080, <http://www.gsd.umn.edu>

1001 Beginning Finnish

(Credit will not be granted if credit has been received for: FIN 4001)

11882 001 DIS, 02:30pm-03:20pm MTWThF, FolH 18, instruction mode: Classroom; Meets with: 13132 FIN 4001; Karvonen, Daniel, 5 cr

1003 Intermediate Finnish

(Credit will not be granted if credit has been received for: FIN 4003; prereq 1002)

14454 001 DIS, 04:40pm-06:45pm TTh, FolH 18, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 14455 FIN 4003; Karvonen, Daniel, 5 cr

3011 Advanced Finnish

(Credit will not be granted if credit has been received for: FIN 4011; prereq 1004 or 4004)

11807 001 DIS, 04:00pm-05:15pm MW, FolH 18, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-

admitted student; Meets with: 22762 FIN 4011; Karvonen, Daniel, 3 cr

4001 Beginning Finnish

(Credit will not be granted if credit has been received for: FIN 1001; prereq 1004 in another language or passing score on LPE or grad student)

13132 001 DIS, 02:30pm-03:20pm MTWThF, FolH 18, instruction mode: Classroom; Meets with: 11882 FIN 1001; Karvonen, Daniel, 2 cr

4003 Intermediate Finnish

(Credit will not be granted if credit has been received for: FIN 1003; prereq 1004 in another language or passing score on LPE or grad student)

14455 001 DIS, 04:40pm-06:45pm TTh, FolH 18, instruction mode: Classroom; Meets with: 14454 FIN 1003; Karvonen, Daniel, 2 cr

4011 Advanced Finnish

(Credit will not be granted if credit has been received for: FIN 3011; prereq Grad student)

22762 001 DIS, 04:00pm-05:15pm MW, FolH 18, instruction mode: Classroom; Meets with: 11807 FIN 3011; Karvonen, Daniel, 2 cr

FISHERIES AND WILDLIFE (FW)

200 Hodson Hall, 1980 Folwell Ave, St Paul Campus, St Paul, MN, 55108
612/624-3600, <http://fwcb.cfans.umn.edu/>

1001 Orientation in Fisheries, Wildlife, and Conservation Biology (A-F only)

11698 001 LEC, 03:00pm-03:50pm M, HodsonH 495, STPAUL, instruction mode: Classroom; Mandatory field trip - Sept. 12-13 (Friday and Saturday); Cuthbert, Francesca J, 1 cr

2001W Introduction to Fisheries, Wildlife, and Conservation Biology

(prereq BIOL 1001 or BIOL 1009; meets CLE req of Environment; meets CLE req of Writing Intensive)

12878 001 LEC, 10:15am-11:30am TTh, HodsonH 495, STPAUL, instruction mode: Classroom; Perry, Jim A, 3 cr

4001 Biometry (A-F only; prereq Math 1031)

001 LEC, 11:45am-01:00pm TTh, HodsonH 490, STPAUL, instruction mode: Classroom; Fieberg, John Robert
13144 002 LAB, 12:50pm-02:45pm F, CofH 50, STPAUL, instruction mode: Classroom; Fieberg, John Robert, 4 cr

4136 Ichthyology

(prereq Biol 1001 or Biol 2012)

001 LEC, 10:15am-11:30am MW, RuttanH 143, STPAUL, instruction mode: Classroom; Teaching assistant TBA.; Simons, Andrew M.

22723 002 LAB, 01:55pm-04:55pm M, Ecology 160, STPAUL, instruction mode: Classroom; Teaching assistant TBA.; Simons, Andrew M., 4 cr

24142 003 LAB, 01:55pm-04:55pm W, Ecology 160, STPAUL, instruction mode: Classroom; Teaching assistant TBA.; Simons, Andrew M., 4 cr

4291 Independent Study: Fisheries

(max crs 15; 3 repeats allowed; prereq instr consent)

12120 002 IND, instruction mode: Classroom; Cohen, Yosef, 1-5 cr

12121 003 IND, instruction mode: Classroom; Fulton, David C, 1-5 cr

12122 006 IND, instruction mode: Classroom; Newman, Raymond M, 1-5 cr

12123 007 IND, instruction mode: Classroom; Perry, Jim A, 1-5 cr

12119 008 IND, instruction mode: Classroom; Simons, Andrew M., 1-5 cr

16910 009 IND, instruction mode: Classroom; Sorensen, Peter William, 1-5 cr

15002 011 IND, instruction mode: Classroom; Vondracek, Bruce, 1-5 cr

22729 012 IND, instruction mode: Classroom; Venturelli, Paul A, 1-5 cr

4391 Independent Study: Wildlife

(max crs 5; prereq instr consent)

18026 001 IND, instruction mode: Classroom; Kozak, Kenneth H., 1-5 cr

12113 002 IND, instruction mode: Classroom; Andersen, David Eric, 1-5 cr

16888 003 IND, instruction mode: Classroom; Arnold, Todd W., 1-5 cr

12114 004 IND, instruction mode: Classroom; Cohen, Yosef, 1-5 cr

12115 005 IND, instruction mode: Classroom; Cuthbert, Francesca J, 1-5 cr

12116 006 IND, instruction mode: Classroom; Fulton, David C, 1-5 cr

12117 007 IND, instruction mode: Classroom; Gutierrez, Ralph J, 1-5 cr

14570 008 IND, instruction mode: Classroom; Jordan, Peter A, 1-5 cr

15661 009 IND, instruction mode: Classroom; Nelson, Kristen C, 1-5 cr

12118 010 IND, instruction mode: Classroom; Oberhauser, Karen S, 1-5 cr

19574 011 IND, instruction mode: Classroom; Smith, James L David, 1-5 cr

21251 012 IND, instruction mode: Classroom; Blair, Robert B, 1-5 cr

21813 013 IND, instruction mode: Classroom; Forester, James Derwin, 1-5 cr

24325 014 IND, instruction mode: Classroom; Perry, Jim A, 1-5 cr

4401 Fish Physiology and Behavior

(prereq 4136, BIOL 2012, CHEM 1021(may be taken concurrently))

24267 001 LEC, 10:15am-11:30am TTh, GrnH 19, STPAUL, instruction mode: Classroom; More than half a billion years after the first fish-like creature impressed itself upon the fossil record, modern fishes are represented by more than 25,000 species that fill almost every aquatic habitat. In Fish Physiology and Behavior, we journey through time and around the world to explore the fascinating array of physiological and behavioral adaptations for life in these aquatic habitats, and how these adaptations govern everything from individual well-being and fitness to species distributions and interactions. The course builds on the understanding of fish biology and physiology that you acquired through FW4136 or a similar course. Specific topics include homeostasis (e.g., osmoregulation, gas exchange), bioenergetics (i.e. growth, feeding), reproduction, movement, and ecotoxicology. Emphasis is on those adaptations and habitats that are relevant to conservation, management, aquaculture, and anthropogenic change (especially in Minnesota). We approach these topics through interactive lectures, readings, case studies, a short review paper, and two exams. This course is required for FWCB students in the Fisheries area of specialization, and can also count towards the American Fisheries Society's Certified Fisheries Professional designation.; Sorensen, Peter William, 3 cr

5003 Human Dimensions of Biological Conservation

(prereq [Biol 1001 or Biol 1009], Biol 3407)

35013 001 LEC, 03:30pm-04:45pm TTh, RuttanH B36, instruction mode: Classroom; Fulton, David C, 3 cr

5603W Habitats and Regulation of Wildlife

(A-F only; prereq [4102 or 4103], [BIOL 3407 or BIOL 3408 or BIOL 3807]; meets CLE req of Writing Intensive)

001 LEC, 03:00pm-05:00pm M, CofH 50, STPAUL, instruction mode: Classroom; Forester, James Derwin

12169 002 LAB, 03:00pm-05:00pm W, CofH 50, STPAUL, instruction mode: Classroom; Forester, James Derwin, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13972 001 IND, instruction mode: Classroom, 1 cr

8394 Research in Fisheries

(max crs 4)

12394 001 IND, instruction mode: Classroom; , 1-4 cr

15768 003 IND, instruction mode: Classroom; Cohen, Yosef, 1-4 cr

15769 004 IND, instruction mode: Classroom; Fulton, David C, 1-4 cr

15770 005 IND, instruction mode: Classroom; Newman, Raymond M, 1-4 cr

15771 006 IND, instruction mode: Classroom; Pereira PhD, Donald L., 1-4 cr

15772 007 IND, instruction mode: Classroom; Perry, Jim A, 1-4 cr

15773 008 IND, instruction mode: Classroom; Venturelli, Paul A, 1-4 cr

15774 009 IND, instruction mode: Classroom; Simons, Andrew M., 1-4 cr

15775 010 IND, instruction mode: Classroom; Sorensen, Peter William, 1-4 cr

15776 011 IND, instruction mode: Classroom; Vondracek, Bruce, 1-4 cr

15777 012 IND, instruction mode: Classroom, 1-4 cr

15778 013 IND, instruction mode: Classroom, 1-4 cr
 15779 014 IND, instruction mode: Classroom, 1-4 cr
 15780 015 IND, instruction mode: Classroom, 1-4 cr
 15781 016 IND, instruction mode: Classroom, 1-4 cr
 15782 017 IND, instruction mode: Classroom, 1-4 cr
 15783 018 IND, instruction mode: Classroom, 1-4 cr
 15784 019 IND, instruction mode: Classroom, 1-4 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14108 001 IND, instruction mode: Classroom, 1 cr

8452 Conservation Biology

(A-F only)

12170 001 LEC, 08:45am-10:00am TTh, GrnH 203, STPAUL, instruction mode: Classroom, 3 cr

8494 Research in Wildlife

(max crs 4; prereq instr consent)

15785 002 IND, instruction mode: Classroom; Arnold, Todd W., 1-4 cr

15786 004 IND, instruction mode: Classroom; Blair, Robert B., 1-4 cr

15787 005 IND, instruction mode: Classroom; Cohen, Yosef, 1-4 cr

15788 007 IND, instruction mode: Classroom; Cuthbert, Francesca J., 1-4 cr

15789 008 IND, instruction mode: Classroom, 1-4 cr

15791 012 IND, instruction mode: Classroom; Gutierrez, Ralph J., 1-4 cr

21121 015 IND, instruction mode: Classroom; Johnson, Douglas H., 1-4 cr

15792 020 IND, instruction mode: Classroom; Forester, James Derwin, 1-4 cr

15793 021 IND, instruction mode: Classroom; Perry, Jim A., 1-4 cr

24420 022 IND, instruction mode: Classroom; Cornicelli, Lou, 1-4 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14226 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14311 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13746 001 IND, instruction mode: Classroom, 1-24 cr

FOOD SCIENCE AND NUTRITION (FScN)

225 Food Science & Nutrition, 1334 Eckles Ave, St Paul Campus, St Paul, MN, 55108 612/624-1290, <http://fscn.cfans.umn.edu>

1001 Orientation to the Majors: Food Science and Nutrition

(S-N; prereq Major in Food Science or Nutrition)

26266 001 LEC, 01:15pm-02:15pm T, McNH 33, STPAUL, instruction mode: Classroom, 1 cr

1011 Science of Food and Cooking

(meets CLE req of Physical Sciences)

001 LEC, 11:45am-01:00pm MW, ABLMS 125, STPAUL, instruction mode: Classroom; Lendway, William; Smith, David Eugene

22372 002 LAB, 03:30pm-05:25pm T, McNH 126, STPAUL, instruction mode: Classroom; Smith, David Eugene; Lendway, William, 4 cr

22373 003 LAB, 03:30pm-05:25pm Th, McNH 126, STPAUL, instruction mode: Classroom; Smith, David Eugene; Lendway, William, 4 cr

22374 004 LAB, 08:30am-10:25am F, McNH 126, STPAUL, instruction mode: Classroom; Smith, David Eugene; Lendway, William, 4 cr

22375 005 LAB, 11:15am-01:10pm F, McNH 126, STPAUL, instruction mode: Classroom; Smith, David Eugene; Lendway, William, 4 cr

1013 Dietary Supplements: scientific, regulatory, and cultural aspects

(meets CLE req of Civic Life and Ethics)

15180 001 LEC, instruction mode: Correspondence; Brady, Linda J, 3 cr

1102 Food: Safety, Risks, and Technology

(OPN; meets CLE req of Civic Life and Ethics)

11728 001 LEC, 09:35am-10:25am MWF, FScN 15, STPAUL, instruction mode: Classroom; Diez-Gonzalez, Francisco, 3 cr

1112 Principles of Nutrition

(prereq High school [biology, chemistry])

11729 001 LEC, 04:00pm-05:15pm TTh, STSS 220, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Rosen, Renee A, 3 cr

25808 003 LEC, 08:00am-09:15am TTh, BellMus 100, instruction mode: Classroom; Mashek, Douglas, 3 cr

1905 Topics: Freshman Seminar

(max crs 3; A-F only; prereq Fr)

21419 001 LEC, 10:40am-12:35pm T, RuttanH B30, STPAUL, instruction mode: Classroom; Csallany, A Saari, 1-3 cr

2002 Healthy Foods, Healthy Lives - Cooking on a Student's Budget

25812 001 LAB, 03:00pm-06:00pm M, McNH 126, STPAUL, instruction mode: Classroom; Learn basic cooking skills through hands-on food preparation guided by a professional chef and gain confidence in the kitchen through weekly cooking exercises both in the teaching labs and at home.; Kurzer PhD, Mindy Susan; Igo, Kristine E, 1 cr

25813 002 LAB, 03:30pm-06:30pm W, McNH 126, STPAUL, instruction mode: Classroom; Learn basic cooking skills through hands-on food preparation guided by a professional chef and gain confidence in the kitchen through weekly cooking exercises both in the teaching labs and at home.; Kurzer PhD, Mindy Susan; Igo, Kristine E, 1 cr

2021 Introductory Microbiology

(A-F; prereq BIOL 1009, CHEM 1015)

001 LEC, 12:50pm-01:40pm MWF, RuttanH B25, STPAUL, instruction mode: Classroom

11742 002 LAB, 01:55pm-03:50pm M, FScN 218, STPAUL, instruction mode: Classroom, 4 cr

11743 003 LAB, 01:55pm-03:50pm W, FScN 218, STPAUL, instruction mode: Classroom, 4 cr

22370 004 LAB, 01:55pm-03:50pm F, FScN 218, STPAUL, instruction mode: Classroom, 4 cr

3102 Introduction to Food Science

(prereq CHEM 1022 or [CHEM 1062 and CHEM 1066])

001 LEC, 03:00pm-03:50pm TTh, FScN 15, STPAUL, instruction mode: Classroom; Vickers, Zata M

11731 002 LAB, 10:40am-12:35pm T, McNH 126, STPAUL, instruction mode: Classroom; Vickers, Zata M; , 3 cr

13237 003 LAB, 12:50pm-02:45pm T, McNH 126, STPAUL, instruction mode: Classroom; Vickers, Zata M; , 3 cr

15905 004 LAB, 12:50pm-02:45pm Th, McNH 126, STPAUL, instruction mode: Classroom; Vickers, Zata M; , 3 cr

18576 005 LAB, 10:40am-12:35pm Th, McNH 126, STPAUL, instruction mode: Classroom; Vickers, Zata M; , 3 cr

23075 006 LAB, 08:30am-10:25am T, McNH 126, STPAUL, instruction mode: Classroom; Vickers, Zata M; , 3 cr

3301 Food Choices: Healing the Earth, Healing Ourselves

(Credit will not be granted if credit has been received for: CSPH 3301; prereq Jr or sr or grad student)

22470 001 LEC, instruction mode: Correspondence; All registered students will receive several emails before class directing them to the class Moodle site and the orientations materials.; Brady, Linda J, 3 cr

3612 Life Cycle Nutrition

(prereq CHEM 1061/1065)

11732 001 LEC, 12:50pm-01:40pm MWF, FScN 15, STPAUL, instruction mode: Classroom; Rosen, Renee A, 3 cr

3614 Nutrition Education and Counseling

(prereq 1112)

17229 001 LEC, 10:40am-12:35pm MWF, RuttanH B45, STPAUL, instruction mode: Classroom; Breakout sessions will take place during class time on Mondays and Wednesdays. Students will be divided into breakout groups on the first day of class.; Trudo, Sabrina Peterson; Meyer, Cynthia Jo, 3 cr

3731 Food Service Operations Management Laboratory

(A-F only; prereq [3102 or concurrent enrollment 3102], [3732 or concurrent enrollment 3732])

11733 001 LAB, 08:05am-10:25am Th, ABLMS 125, STPAUL, instruction mode: Classroom; PLEASE NOTE: 30 hours of additional on-site class time will be scheduled by the instructor during the first week of class.; Marquart, Len, 2 cr

3732 Food Service Operations Management

(A-F only; prereq 3102 or concurrent enrollment in 3102)

11734 001 LEC, 09:35am-10:25am MWF, ABLMS 125, STPAUL, instruction mode: Classroom; Marquart, Len, 3 cr

4096 Professional Experience Program: Internship

(max crs 24; 6 repeats allowed; A-F; prereq Undergraduate in the Department of Food Science and Nutrition enrolled in either the Food Science or Nutrition major or minor. To register, students must fill out FScN Internship Agreement form, available at www.fscn.umn.edu. Contact fscnugcollegeconsent@umn.edu with questions.)

13680 001 FWK, instruction mode: Classroom; Complete a copy of the internship form found at: <https://fscn.cfans.umn.edu/graduate-programs/student-forms>. Obtain signatures from your employer and internship adviser. Then, return the form to Sara Cannon in 225k FScN (scannon@umn.edu) to receive a permission number to register for internship credits. See the form for guidelines on how many credits you should enroll in based on the number of hours you will work., 1-4 cr

4112 Food Chemistry and Functional Foods

(prereq 3102, BIOC 3021)

19808 001 LEC, 08:30am-09:20am MWF, ABLMS 125, STPAUL, instruction mode: Classroom; Peterson, Devin Grant, 3 cr

4122 Food Fermentations and Biotechnology

(prereq [MICB 3301, BIOL 4003] or instr consent)

19784 001 LEC, 10:40am-12:35pm F, FScN 15, STPAUL, instruction mode: Classroom; Meets with: 24202 FScN 5122; O'Sullivan, Daniel J, 2 cr

4123 Molecular Biology for Applied Scientists

(A-F; prereq [BioC 3021 and MicB 3301] or FScN 2021 or instr consent)

25818 001 LEC, 10:40am-11:30am TTh, FScN 15, STPAUL, instruction mode: Classroom; Meets with: 26343 FScN 5123; O'Sullivan, Daniel J, 1 cr

4131 Food Quality

(prereq 1102, jr)

12872 001 LEC, 01:55pm-02:45pm MWF, RuttanH B25, STPAUL, instruction mode: Classroom; Meets with: 24200 FScN 5131; Schoenfuss PhD, Tonya C; , 3 cr

4291 Independent Study

(max crs 4; prereq Undergrads, instr consent)

13426 001 IND, instruction mode: Classroom; To register, complete the Directed/Independent Study form found at <https://fscn.cfans.umn.edu/graduate-programs/student-forms>. Have the form signed by your faculty adviser or project adviser, and return to Sara Cannon in 225k FScN (scannon@umn.edu) for approval by the Department Head and a permission number., 1-4 cr

4312W Food Analysis

(prereq 4112, STAT 3011; meets CLE req of Writing Intensive)

001 LEC, 12:50pm-01:40pm MWF, RuttanH 143, STPAUL, instruction mode: Classroom; As of Fall 2014, STAT 3011 is no longer a prerequisite for this course. If you need permission to enroll, email scannon@umn.edu or fscnug@umn.edu for assistance.; Meets with: 24314 FScN 5312; Ismail, Baraem

11740 002 LAB, 09:35am-12:30pm M, ABLMS 135, STPAUL, instruction mode: Classroom; Meets with: 24315 FScN 5312; Ismail, Baraem, 4 cr

22977 003 LAB, 09:35am-12:30pm W, ABLMS 135, STPAUL, instruction mode: Classroom; Ismail, Baraem, 4 cr

4349 Food Science Capstone

(A-F; prereq 4112, 4121, 4131, 4312, 4332, BBE 4744, Food Science Major, senior)

22773 001 LAB, 03:00pm-06:00pm MW, McNH 134, STPAUL, instruction mode: Classroom; Reineccius, Gary A, 2 cr

4612 Advanced Human Nutrition

(prereq 1112, [CHEM 1022 or CHEM 1062 and CHEM 1066], [BioC 3021 or PHSL 3051 or ANSC 3301 or BIOL 3211])

11736 001 LEC, 01:55pm-03:50pm MW, ABLMS 125, STPAUL, instruction mode: Classroom; Carlson, Justin L, 4 cr

4621W Nutrition and Metabolism

(prereq 4612, BIOC 3021, ANSC 3301. If a prerequisite is missing, students must obtain approval from academic adviser or course instructor in order to enroll.; meets CLE req of Writing Intensive)

17256 001 LEC, 10:40am-12:35pm TTh, ABLMS 125, STPAUL, instruction mode: Classroom; Chen, Xiaoli, 4 cr

4665 Medical Nutrition Therapy I

(A-F only; prereq 4612, Phsl 3051, BioC 3021)

11737 001 LEC, 04:05pm-05:20pm TTh, BioSci 64, STPAUL, instruction mode: Classroom; Earthman, Carrie P, 3 cr

4667 Senior Seminar for the Didactic Program in Dietetics

(S-N; prereq Senior Nutrition Major with DPD subplan, [FScN 4665 or Concurrent registration is required (or allowed) in 4665])

24201 001 LEC, 09:35am-10:25am T, ABLMS 125, STPAUL, 01:30pm-03:30pm F, ABLMS 125, STPAUL, 10/02/15-10/02/15, 01:30pm-03:30pm F, ABLMS 125, STPAUL, 10/09/15-10/09/15, 01:30pm-03:30pm F, ABLMS 125, STPAUL, 10/23/15-10/23/15, 01:30pm-03:30pm F, ABLMS 125, STPAUL, 10/30/15-10/30/15, 01:30pm-03:30pm F, ABLMS 125, STPAUL, 11/06/15-11/06/15, 01:30pm-03:30pm F, ABLMS 125, STPAUL, 11/13/15-11/13/15, instruction mode: Classroom; Required interprofessional sessions will be held on 6 Fridays from 1:30 to 3:30 pm.

5101 Food Regulation in the United States

(A-F only; prereq [[Grad or sr] food science or nutrition major] or instr consent)

25984 001 LEC, instruction mode: Classroom; Offered every other fall, 2 cr

5122 Food Fermentations and Biotechnology

(A-F; prereq MICB 3301, BIOL 4003)

24202 001 LEC, 10:40am-12:35pm F, FScN 15, STPAUL, instruction mode: Classroom; Prerequisite: Food Science Graduate Student; Meets with: 19784 FSCN 4122; O'Sullivan, Daniel J, 2 cr

5123 Molecular Biology for Applied Scientists

(A-F; prereq MicB 3301 or FScN 2021 or instr consent)

26343 001 LEC, 10:40am-11:30am TTh, FScN 15, STPAUL, instruction mode: Classroom; Meets with: 25818 FSCN 4123; O'Sullivan, Daniel J, 1 cr

5131 Food Quality for Graduate Credit

(A-F; prereq Food Science grad student)

24200 001 LEC, 01:55pm-02:45pm MWF, RuttanH B25, STPAUL, instruction mode: Classroom; Meets with: 12872 FSCN 4131; Schoenfuss PhD, Tonya C.; 3 cr

5312 Food Analysis

(A-F; prereq 4112, STAT 3011)

001 LEC, 12:50pm-01:40pm MWF, RuttanH 143, STPAUL, instruction mode: Classroom; Meets with FSCN 4312W. As of Fall 2014, STAT 3011 is no longer a prerequisite for this course. If you need permission to enroll, email scannon@umn.edu or fscnug@umn.edu for assistance.; Meets with: 11739 FSCN 4312W; Ismail, Baraem
24315 002 LAB, 09:35am-12:30pm M, ABLMS 135, STPAUL, instruction mode: Classroom; Meets with: 11740 FSCN 4312W; Ismail, Baraem, 4 cr

5601 Management of Eating Disorders

(prereq Sr or grad student in Nutrition or health related program or instr consent)

24204 1001 LEC, 05:30pm-08:10pm T, RuttanH B30, STPAUL, instruction mode: Classroom; Meets with: 26425 IBH 6231; Lampert, Jillian Garnet, 3 cr

8310 General Seminar

(max crs 2; S-N only; prereq instr consent)

11847 001 LEC, 03:30pm-04:30pm W, FScN 23, STPAUL, instruction mode: Classroom; Csalany, A Saari; Schoenfuss PhD, Tonya C, 1 cr

8330 Research Topics

(max crs 6; 6 repeats allowed)

14457 001 LEC, instruction mode: Classroom; To register, complete the Directed/Independent Study form found at http://fscn.cfans.umn.edu/undergraduate_programs/

forms/index.htm. Have your faculty adviser sign off, and return the form to Sara Cannon in 225k FSCN or at scannon@umn.edu., 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13970 001 IND, instruction mode: Classroom, 1 cr

8391 Independent Study: Food Science

(max crs 6; 6 repeats allowed; prereq instr consent)

13427 001 IND, instruction mode: Classroom; To register, complete the Directed/Independent Study form found at https://fscn.cfans.umn.edu/graduate_programs/student-forms. Have your faculty adviser sign off, and return the form to Sara Cannon in 225k FSCN or at scannon@umn.edu for approval by the Department Head and a permission number., 1-4 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14106 001 IND, instruction mode: Classroom, 1 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14309 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13744 001 IND, instruction mode: Classroom, 1-24 cr

FOREST AND NATURAL RESOURCE MANAGEMENT (FNRM)

115 Green Hall, 1530 Cleveland Ave North, St Paul Campus, St Paul, MN, 55108
612/624-3400, <http://www.forestry.umn.edu/>

1001 Orientation and Information Systems

(A-F only)

24924 001 LEC, 03:00pm-03:50pm T, GrnH 19, STPAUL, instruction mode: Classroom; Fall 2015 New Freshman - mandatory field trip 09/18/2015-09/19/2015 to Cloquet Forestry Center.; Kilgore, Mike; Davenport, Mae Allen; Ek, Alan Ryan, 1 cr

1101 Dendrology: Identifying Forest Trees and Shrubs

001 LEC, 04:05pm-04:55pm MW, GrnH 110, STPAUL, instruction mode: Classroom; North, Eric Alan; David, Andrew J

24926 002 LAB, 12:50pm-03:50pm M, PlntGrwth 174, STPAUL, instruction mode: Classroom; David, Andrew J, 3 cr

24927 003 LAB, 12:50pm-03:50pm T, PlntGrwth 174, STPAUL, instruction mode: Classroom; David, Andrew J, 3 cr

24928 004 LAB, 12:50pm-03:50pm W, PlntGrwth 174, STPAUL, instruction mode: Classroom; North, Eric Alan, 3 cr

24929 005 LAB, 12:50pm-03:50pm Th, PlntGrwth 174, STPAUL, instruction mode: Classroom; North, Eric Alan, 3 cr

3101 Park and Protected Area Tourism

(Credit will not be granted if credit has been received for: FNRM 5101; A-F only)

32827 001 LEC, 11:15am-12:30pm TTh, GrnH 203, STPAUL, instruction mode: Classroom; Meets with: 32828 FNRM 5101; Schneider, Ingrid Eleanore, 3 cr

3104 Forest Ecology

(Credit will not be granted if credit has been received for: FNRM 5104; A-F only; prereq Biol 1001 or 1009; 1 semester college chemistry recommended; Weekend field trip (required))

001 LEC, 11:45am-01:00pm MW, BioSci 64, STPAUL, instruction mode: Classroom; Meets with: 24918 FNRM 5104; Montgomery, Rebecca Anne

24921 002 LAB, 12:50pm-04:50pm F, GrnH 110, STPAUL, instruction mode: Classroom; Montgomery, Rebecca Anne, 4 cr

3114 Hydrology and Watershed Management

(Credit will not be granted if credit has been received for: FNRM 5114; prereq [[BIOL 1001 or BIOL 1009], [[CHEM 1015, CHEM 1017] or CHEM 1021], MATH 1151] or instr consent)

24922 001 LEC, 10:15am-11:30am TTh, GrnH 110, STPAUL, instruction mode: Classroom; Meets with: 24963 FNRM 5114; Karwan, Diana Louise, 3 cr

3131 Geographical Information Systems (GIS) for Natural Resources

(Credit will not be granted if credit has been received for: FNRM 5131; A-F; prereq Soph or jr or sr or UHP fr; meets CLE req of Technology and Society)

001 LEC, 01:55pm-02:45pm TTh, GrnH 110, STPAUL, instruction mode: Classroom; Bolstad, Paul V; Jenks, Andrew Carl

24914 002 LAB, 12:50pm-02:45pm W, SkokH 35, STPAUL, instruction mode: Classroom; Meets with: 24965 FNRM 5131; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr

24915 003 LAB, 08:30am-10:25am Th, SkokH 35, STPAUL, instruction mode: Classroom; Meets with: 24966 FNRM 5131; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr

24916 004 LAB, 08:30am-10:25am W, SkokH 35, STPAUL, instruction mode: Classroom; Meets with: 24967 FNRM 5131; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr

24917 005 LAB, instruction mode: Partially Online; This lab is on-line, classroom lecture attendance mandatory.; Meets with: 24968 FNRM 5131; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr

020 LEC, instruction mode: Correspondence; Jenks, Andrew Carl; Bolstad, Paul V

24997 021 LAB, instruction mode: Correspondence; Bolstad, Paul V; Jenks, Andrew Carl, 4 cr

3204 Landscape Ecology and Management

(Credit will not be granted if credit has been received for: FNRM 5204; A-F only; prereq Ecology course)

24974 001 LEC, 03:00pm-04:15pm TTh, SkokH 100, STPAUL, instruction mode: Classroom; Meets with: 24975 FNRM 5204; Frelich, Lee E, 3 cr

3262 Remote Sensing of Natural Resources and Environment

(Credit will not be granted if credit has been received for: FNRM 5262)

001 LEC, 08:15am-09:30am TTh, BlegH 430, instruction mode: Classroom; Meets with: 24999 FNRM 5262; Knight, Joe

24995 002 LAB, 09:00am-11:00am M, BlegH 335, instruction mode: Classroom; Meets with: 25000 FNRM 5262; Knight, Joe, 3 cr

3411 Managing Forest Ecosystems: Silviculture

(Credit will not be granted if credit has been received for: FNRM 5411; prereq FNRM 3104 or instr consent; FEMC track students should take FNRM 5413 concurrently)

33977 001 LEC, 11:45am-12:35pm MWF, HodsonH 495, STPAUL, instruction mode: Classroom; Meets with: 33978 FNRM 5411, 3 cr

4293 Directed Study

(max crs 15; 3 repeats allowed; prereq instr consent)

24932 001 IND, instruction mode: Classroom; Bauer, Marvin E, 1-5 cr

24933 002 IND, instruction mode: Classroom; Becker, Dennis R, 1-5 cr

24934 003 IND, instruction mode: Classroom; Blinn, Charlie, 1-5 cr

24990 004 IND, instruction mode: Classroom; Bolstad, Paul V, 1-5 cr

24935 005 IND, instruction mode: Classroom; Burk, Thomas Edward, 1-5 cr

24973 006 IND, instruction mode: Classroom; Carlson PhD, Stephan Paul, 1-5 cr

24936 007 IND, instruction mode: Classroom; Current, Dean Alan, 1-5 cr

24938 009 IND, instruction mode: Classroom; Davenport, Mae Allen, 1-5 cr

24972 010 IND, instruction mode: Classroom; David, Andrew J, 1-5 cr

24939 011 IND, instruction mode: Classroom; Ek, Alan Ryan, 1-5 cr

24940 012 IND, instruction mode: Classroom; Frelich, Lee E, 1-5 cr

24941 013 IND, instruction mode: Classroom; Hoganson, Howard M, 1-5 cr

24971 014 IND, instruction mode: Classroom; Johnson, Gary, 1-5 cr

24962 015 IND, instruction mode: Classroom; Karwan, Diana Louise, 1-5 cr

24942 016 IND, instruction mode: Classroom; Kilgore, Mike, 1-5 cr

24943 017 IND, instruction mode: Classroom; Knight, Joe, 1-5 cr
 24970 018 IND, instruction mode: Classroom; Nelson, Kristen C, 1-5 cr
 24985 019 IND, instruction mode: Classroom; Reich, Peter Bernard, 1-5 cr
 24944 020 IND, instruction mode: Classroom; Sagor, Eli S., 1-5 cr
 24945 021 IND, instruction mode: Classroom; Schneider, Ingrid Eleanore, 1-5 cr
 24946 022 IND, instruction mode: Classroom; Zamora, Diomy Santos, 1-5 cr

5101 Park and Protected Area Tourism

(Credit will not be granted if credit has been received for: FNRM 3101; A-F only; prereq Grad student or instr consent)

32828 001 LEC, 11:15am-12:30pm TTh, GrnH 203, STPAUL, instruction mode: Classroom; Meets with: 32827 FNRM 3101; Schneider, Ingrid Eleanore, 3 cr

5104 Forest Ecology

(Credit will not be granted if credit has been received for: FNRM 3104; A-F only; prereq [(Biol 1001 or 1009), grad student] or instr consent ; 1 semester college chemistry recommended; Weekend field trip (required))

001 LEC, 11:45am-01:00pm MW, BioSci 64, STPAUL, instruction mode: Classroom; Meets with: 24920 FNRM 3104; Montgomery, Rebecca Anne
 24919 02 LAB, instruction mode: Classroom; Graduate students will meet for 1 hour a week outside of lecture time - TBD by participants.; Montgomery, Rebecca Anne, 4 cr

5114 Hydrology and Watershed Management

(Credit will not be granted if credit has been received for: FNRM 3114; prereq Grad student or instr consent)

24963 001 LEC, 10:15am-11:30am TTh, GrnH 110, STPAUL, instruction mode: Classroom; Meets with: 24922 FNRM 3114; Karwan, Diana Louise, 3 cr

5131 Geographical Information Systems (GIS) for Natural Resources

(Credit will not be granted if credit has been received for: FNRM 3131; A-F only; prereq Grad student or instr consent)

001 LEC, 03:00pm-03:50pm TTh, BorH 335, STPAUL, instruction mode: Classroom; Jenks, Andrew Carl; Bolstad, Paul V
 24965 002 LAB, 12:50pm-02:45pm W, SkokH 35, STPAUL, instruction mode: Classroom; Meets with: 24914 FNRM 3131; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr
 24966 003 LAB, 08:30am-10:25am Th, SkokH 35, STPAUL, instruction mode: Classroom; Meets with: 24915 FNRM 3131; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr
 24967 004 LAB, 08:30am-10:25am W, SkokH 35, STPAUL, instruction mode: Classroom; Meets with: 24916 FNRM 3131; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr
 24968 005 LAB, instruction mode: Partially Online; Meets with: 24917 FNRM 3131; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr
 020 LEC, instruction mode: Correspondence
 24998 021 LAB, instruction mode: Correspondence; This lab is on-line, classroom lecture attendance mandatory.; Jenks, Andrew Carl; Bolstad, Paul V, 4 cr

5204 Landscape Ecology and Management

(Credit will not be granted if credit has been received for: FNRM 3204; A-F only; prereq Grad student or instr consent)

24975 001 LEC, 03:00pm-04:15pm TTh, SkokH 100, STPAUL, instruction mode: Classroom; Meets with: 24974 FNRM 3204; Frelch, Lee E, 3 cr

5262 Remote Sensing of Natural Resources and Environment

(Credit will not be granted if credit has been received for: FNRM 3262; prereq Grad student or instr consent)

001 LEC, 08:15am-09:30am TTh, BlegH 430, instruction mode: Classroom; Meets with: 24994 FNRM 3262; Knight, Joe
 25000 002 LAB, 09:00am-11:00am M, BlegH 335, instruction mode: Classroom; Meets with: 24995 FNRM 3262; Knight, Joe, 3 cr

5264 Advanced Forest Management Planning

(prereq 3471 or instr consent)

24923 001 LEC, instruction mode: Classroom; Students should contact instructor to arrange meeting time.; Hoganson, Howard M, 3 cr

5411 Managing Forest Ecosystems: Silviculture

(Credit will not be granted if credit has been received for: FNRM 3411; prereq Grad student or instr consent ; Students should take FNRM 5413 concurrently)

33978 001 LEC, 11:45am-12:35pm MWF, HodsonH 495, STPAUL, instruction mode: Classroom; Meets with: 33977 FNRM 3411, 3 cr

5413 Managing Forest Ecosystems: Silviculture Lab

(prereq FNRM major or minor or grad student; FNRM-FEMC track students should take FNRM 3411/5411 concurrently)

33979 001 LAB, 08:30am-09:20am F, SkokH 35, STPAUL, instruction mode: Classroom, 1 cr

8101 Research Problems: Physiological Ecology

(max crs 10; 10 repeats allowed; prereq instr consent)

24959 001 IND, instruction mode: Classroom; Montgomery, Rebecca Anne, 1-5 cr
 24989 002 IND, instruction mode: Classroom; Reich, Peter Bernard, 1-5 cr

8102 Research Problems: Forest-Tree Genetics

(max crs 5)

24960 001 IND, instruction mode: Classroom; David, Andrew J, 1-5 cr

8103 Research Problems: Forest Hydrology

(max crs 5)

24947 001 IND, instruction mode: Classroom; Eckman, Karlyn, 1-5 cr
 26150 002 IND, instruction mode: Classroom; Karwan, Diana Louise, 1-5 cr

8104 Research Problems: Forest Ecology

(max crs 5)

24948 001 IND, instruction mode: Classroom; Frelch, Lee E, 1-5 cr
 24988 003 IND, instruction mode: Classroom; Reich, Peter Bernard, 1-5 cr

8105 Research Problems: Silviculture

(max crs 5)

24949 001 IND, instruction mode: Classroom, 1-5 cr
 24976 002 IND, instruction mode: Classroom; Nagel, Linda M, 1-5 cr

8106 Research Problems: Urban Forestry--Biology and Management

(max crs 5)

24950 001 IND, instruction mode: Classroom; Johnson, Gary, 1-5 cr

8107 Seminar: Forest Resources

24930 001 LEC, 03:00pm-03:50pm W, GrnH 203, STPAUL, instruction mode: Classroom; Miller, Kristell Anne, 1 cr

8201 Research Problems: Forest Economics

(max crs 5)

24951 001 IND, instruction mode: Classroom; Becker, Dennis R, 1-5 cr
 24981 002 IND, instruction mode: Classroom; Hoganson, Howard M, 1-5 cr
 24991 003 IND, instruction mode: Classroom; Kilgore, Mike, 1-5 cr

8202 Research Problems: Forest Biometry and Measurements

(max crs 5)

24952 001 IND, instruction mode: Classroom; Burk, Thomas Edward, 1-5 cr
 24977 002 IND, instruction mode: Classroom; Ek, Alan Ryan, 1-5 cr

8203 Research Problems: Forest Recreation

(max crs 5)

24953 001 IND, instruction mode: Classroom; Davenport, Mae Allen, 1-5 cr
 24978 002 IND, instruction mode: Classroom; Schneider, Ingrid Eleanore, 1-5 cr

8204 Research Problems: Forest Policy

(max crs 10; 4 repeats allowed)

24954 001 IND, instruction mode: Classroom, 1-5 cr
 24982 002 IND, instruction mode: Classroom; Current, Dean Alan, 1-5 cr
 24983 003 IND, instruction mode: Classroom; Kilgore, Mike, 1-5 cr

24984 004 IND, instruction mode: Classroom; Nelson, Kristen C, 1-5 cr

8205 Research Problems: Spatial Data Analysis

(max crs 10; 10 repeats allowed; prereq instr consent)

24955 001 IND, instruction mode: Classroom; Bauer, Marvin E, 1-5 cr
 24979 002 IND, instruction mode: Classroom; Bolstad, Paul V, 1-5 cr
 24996 003 IND, instruction mode: Classroom; Knight, Joe, 1-5 cr

8206 Research Problems: Forest Management

(max crs 5)

24992 001 IND, instruction mode: Classroom; Blinn, Charlie, 1-5 cr
 24961 002 IND, instruction mode: Classroom; Ek, Alan Ryan, 1-5 cr
 24980 003 IND, instruction mode: Classroom; Hoganson, Howard M, 1-5 cr
 24956 004 IND, instruction mode: Classroom; Kilgore, Mike, 1-5 cr

8207 Economic Analysis of Natural Resource Projects

(A-F only; prereq instr consent)

24957 001 IND, instruction mode: Classroom; Kilgore, Mike, 2 cr

8208 Research Problems: Environmental Learning and Leadership

(max crs 5; prereq instr consent)

24958 001 IND, instruction mode: Classroom; Carlson PhD, Stephan Paul, 1-5 cr
 24986 002 IND, instruction mode: Classroom; Nelson, Kristen C, 1-5 cr

FRENCH (Fren)

314 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
 612/624-4308, <http://frit.umn.edu/>

1001 Beginning French

(Credit will not be granted if credit has been received for: MONT 1001)

12080 001 DIS, 08:00am-08:50am MTWThF, FolH 123, instruction mode: Classroom; technology-enhanced section; Meets with: 17981 FREN 4001, 5 cr
 20291 002 DIS, 09:05am-09:55am MTWThF, KoltH 138, instruction mode: Classroom; technology-enhanced section; Meets with: 24351 FREN 4001, 5 cr
 15181 003 DIS, 10:10am-11:00am MTWThF, KoltH 139, instruction mode: Classroom; technology-enhanced section; Meets with: 33929 FREN 4001, 5 cr
 13257 004 DIS, 11:15am-12:05pm MTWThF, FolH 106, instruction mode: Classroom; technology-enhanced section, 5 cr
 13258 005 DIS, 12:20pm-01:10pm MTWThF, FolH 106, instruction mode: Classroom; technology-enhanced section, 5 cr
 13259 006 DIS, 01:25pm-02:15pm MTWThF, FolH 103, instruction mode: Classroom; technology-enhanced section; Meets with: 17982 FREN 4001, 5 cr
 13260 007 DIS, 06:20pm-08:25pm MTh, FolH 16, instruction mode: Classroom; technology-enhanced section; Meets with: 17983 FREN 4001, 5 cr
 13261 008 DIS, 06:20pm-08:25pm MTh, FolH 32, instruction mode: Classroom; technology-enhanced section; Meets with: 23347 FREN 4001, 5 cr

1002 Beginning French

(Credit will not be granted if credit has been received for: FREN 1022, FREN 4002, FREN 4022; prereq 1001 or equiv)

12081 001 DIS, 09:05am-09:55am MTWThF, FolH 31, instruction mode: Classroom; technology-enhanced section; Meets with: 33930 FREN 4002; Fulk, Jonathan K, 5 cr
 12082 002 DIS, 10:10am-11:00am MTWThF, FolH 32, instruction mode: Classroom; technology-enhanced section; Meets with: 33931 FREN 4002; Fulk, Jonathan K, 5 cr
 12083 003 DIS, 01:25pm-02:15pm MTWThF, FolH 121, instruction mode: Classroom; technology-enhanced section, 5 cr
 12084 004 DIS, 06:20pm-08:25pm MTh, FolH 31, instruction mode: Classroom; technology-enhanced section; Meets with: 17985 FREN 4002, 5 cr

1003 Intermediate French

(Credit will not be granted if credit has been received for: MONT 1003; prereq 1002 or Entrance Proficiency Test)

- 12085 001 DIS, 08:00am-08:50am MTWTh, FolH 31, instruction mode: Classroom; Meets with: 17989 FREN 4003, 5 cr
- 12086 002 DIS, 09:05am-09:55am MTWTh, FolH 28, instruction mode: Classroom; Includes Skype assignments. Section for motivated learners with strong results in previous French courses., 5 cr
- 12087 003 DIS, 10:10am-11:00am MTWTh, FolH 105, instruction mode: Classroom; Meets with: 33932 FREN 4003, 5 cr
- 12088 004 DIS, 11:15am-12:05pm MTWTh, HHHctr 184, instruction mode: Classroom, 5 cr
- 12089 005 DIS, 12:20pm-01:10pm MTWTh, FolH 28, instruction mode: Classroom; Meets with: 33933 FREN 4003, 5 cr
- 12090 006 DIS, 01:25pm-02:15pm MTWTh, FolH 4, instruction mode: Classroom; Meets with: 17990 FREN 4003, 5 cr
- 12091 007 DIS, 02:30pm-03:20pm MTWTh, KoltH 138, instruction mode: Classroom; Meets with: 23308 FREN 4003, 5 cr
- 33937 1008 DIS, 06:20pm-08:25pm MTh, FolH 123, instruction mode: Classroom; Meets with: 26826 FREN 4003, 5 cr
- 12092 1009 DIS, 06:20pm-08:25pm MTh, KoltH 137, instruction mode: Classroom, 5 cr
- 33936 010 DIS, 10:10am-11:00am MTWTh, FolH 8, instruction mode: Classroom, 5 cr

1004 Intermediate French

(Credit will not be granted if credit has been received for: MONT 1004; prereq 1003 or Entrance Proficiency Test)

- 12093 001 LEC, 08:00am-08:50am MTWThF, FolH 122, instruction mode: Classroom; Meets with: 17991 FREN 4004; Whitaker, Trina, 5 cr
- 12094 002 LEC, 09:05am-09:55am MTWThF, FolH 104, instruction mode: Classroom; Whitaker, Trina, 5 cr
- 13531 003 LEC, 10:10am-11:00am MTWThF, FolH 10, instruction mode: Classroom; Meets with: 33938 FREN 4004; Kerr, Betsy Jean, 5 cr
- 14463 004 LEC, 11:15am-12:05pm MTWThF, KoltH 140, instruction mode: Classroom, 5 cr
- 14464 005 LEC, 12:20pm-01:10pm MTWThF, FolH 122, instruction mode: Classroom; Meets with: 33939 FREN 4004, 5 cr
- 14470 006 LEC, 01:25pm-02:15pm MTWThF, FolH 123, instruction mode: Classroom; Meets with: 23744 FREN 4004, 5 cr
- 23743 1007 LEC, 06:20pm-08:25pm MTh, KoltH 136, instruction mode: Classroom; Meets with: 17992 FREN 4004, 5 cr

1022 Accelerated Beginning French

(Credit will not be granted if credit has been received for: FREN 1002, FREN 4002, FREN 4022; prereq 2 or more yrs high school French)

- 12978 001 DIS, 09:05am-09:55am MTWThF, FolH 103, instruction mode: Classroom; technology-enhanced section, 5 cr
- 12979 002 DIS, 10:10am-11:00am MTWThF, FolH 123, instruction mode: Classroom; technology-enhanced section; Meets with: 33940 FREN 4022, 5 cr
- 12980 003 DIS, 11:15am-12:05pm MTWThF, KoltH 139, instruction mode: Classroom; technology-enhanced section, 5 cr
- 13568 1004 DIS, 06:20pm-08:25pm MTh, FolH 122, instruction mode: Classroom; technology-enhanced section; Meets with: 18681 FREN 4022, 5 cr

1910W Freshman Seminar

(A-F only; prereq freshman; meets CLE req of Writing Intensive)

- 34050 001 LEC MW, Room TBA, instruction mode: Classroom; Franklin-Brown, Mary, 3 cr

3014 French Phonetics

(Credit will not be granted if credit has been received for: MONT 3014; prereq 1004)

- 12095 001 DIS, 10:10am-11:00am MWF, NichH 315, instruction mode: Classroom; Treece PhD, Rick, 3 cr

3015 Advanced French Grammar and Communication

(Credit will not be granted if credit has been received for: MONT 3015; prereq 1004 or equiv or instr consent)

- 12096 001 DIS, 08:00am-08:50am MWF, FolH 119, instruction mode: Classroom, 3 cr
- 12097 002 DIS, 11:15am-12:05pm MWF, FolH 10, instruction mode: Classroom; Kerr, Betsy Jean, 3 cr
- 15968 003 DIS, 01:25pm-02:15pm MWF, NichH 110, instruction mode: Classroom; Brewer, Daniel, 3 cr

- 15969 004 DIS, 03:35pm-04:25pm MWF, FolH 119, instruction mode: Classroom, 3 cr
- 22430 1005 DIS, 06:20pm-07:35pm MW, FolH 107, instruction mode: Classroom; Abderrezak, Hakim, 3 cr

3016 Advanced French Composition and Communication

(Credit will not be granted if credit has been received for: MONT 3016; prereq 3015 or equiv or instr consent)

- 12098 001 LEC, 10:10am-11:00am MWF, NichH 120, instruction mode: Classroom; Vartolomei Pribiag, Ioana Gabriela, 3 cr
- 13526 002 LEC, 11:15am-12:05pm MWF, FolH 3, instruction mode: Classroom; Preckshot, J E, 3 cr
- 34051 003 LEC, 12:20pm-01:10pm MWF, FolH 30, instruction mode: Classroom; Brewer, Daniel, 3 cr

3022 The Language and Culture of Business in France

(prereq 3015; completion of 3016 recommended)

- 25592 1001 DIS, 04:40pm-07:10pm T, FolH 121, instruction mode: Classroom; Mougel, Patricia M., 3 cr

3101W Methods in French and Francophone Studies

(prereq 3016 or equiv; meets CLE req of Literature; meets CLE req of Writing Intensive)

- 12100 001 DIS, 09:45am-11:00am TTh, FolH 119, instruction mode: Classroom; Wall-Romana, Christophe M, 4 cr
- 12099 002 DIS, 01:00pm-02:15pm TTh, FolH 119, instruction mode: Classroom; Noakes, Susan J, 4 cr
- 12101 003 DIS, 02:30pm-03:45pm TTh, FolH 107, instruction mode: Classroom; Brewer, Maria M, 4 cr

3350 Topics in Literature

(max crs 9; 3 repeats allowed; prereq 3101)

- 34045 001 LEC, 11:15am-12:30pm TTh, FolH 119, instruction mode: Classroom; Brewer, Maria M, 3 cr

3471 Topics in Francophone African Literature and Cultures

(prereq 3101W; meets CLE req of Global Perspectives)

- 34046 1001 LEC, 04:40pm-05:30pm MW, KoltH 137, instruction mode: Classroom; Abderrezak, Hakim, 3 cr

3500 Linguistic Analysis of French (A-F; prereq 3015)

- 34047 001 LEC, 01:25pm-02:15pm MWF, FolH 10, instruction mode: Classroom; Kerr, Betsy Jean, 3 cr

3750 Topics in French or Francophone Literature and Culture

(max crs 9; 3 repeats allowed; prereq Non-French major; knowledge of French helpful)

- 34048 001 DIS, 01:00pm-02:15pm TTh, FolH 108, instruction mode: Classroom; Wall-Romana, Christophe M, 3 cr

3896 Internship in a French-Speaking Milieu

(Credit will not be granted if credit has been received for: MONT 3303; max crs 4; 4 repeats allowed; A-F; prereq 3016, 3014 [3018 strongly recommended], [3022 strongly recommended for students undertaking internships in business, government, or law])

- 26745 001 IND, instruction mode: Classroom, 1-4 cr

3995 Directed Teaching

(max crs 20; 4 repeats allowed; S-N only; prereq dept consent)

- 14996 001 IND, instruction mode: Classroom, 1-5 cr

4001 Beginning French

(prereq Grad student)

- 17981 001 DIS, 08:00am-08:50am MTWThF, FolH 123, instruction mode: Classroom; technology-enhanced section; Meets with: 12080 FREN 1001, 2 cr
- 24351 002 DIS, 09:05am-09:55am MTWThF, KoltH 138, instruction mode: Classroom; Meets with: 20291 FREN 1001, 2 cr
- 33929 003 DIS, 10:10am-11:00am MTWThF, KoltH 139, instruction mode: Classroom; Meets with: 15181 FREN 1001, 2 cr
- 17982 006 DIS, 01:25pm-02:15pm MTWThF, FolH 103, instruction mode: Classroom; technology-enhanced section; Meets with: 13259 FREN 1001, 2 cr
- 17983 1007 DIS, 06:20pm-08:25pm MTh, FolH 16, instruction mode: Classroom; technology-enhanced section; Meets with: 13260 FREN 1001, 2 cr
- 23347 1008 DIS, 06:20pm-08:25pm MTh, FolH 32, instruction mode: Classroom; technology-enhanced section; Meets with: 13261 FREN 1001, 2 cr

4002 Beginning French

(Credit will not be granted if credit has been received for: FREN 1002, FREN 1022, FREN 4022; prereq Grad student)

- 33930 001 DIS, 09:05am-09:55am MTWThF, FolH 31, instruction mode: Classroom; Meets with: 12081 FREN 1002; Fulk, Jonathan K, 2 cr
- 33931 002 DIS, 10:10am-11:00am MTWThF, FolH 32, instruction mode: Classroom; Meets with: 12082 FREN 1002; Fulk, Jonathan K, 2 cr
- 17985 1004 DIS, 06:20pm-08:25pm MTh, FolH 31, instruction mode: Classroom; technology-enhanced section; Meets with: 12084 FREN 1002, 2 cr

4003 Intermediate French

(prereq Grad student)

- 17989 001 DIS, 08:00am-08:50am MTWTh, FolH 31, instruction mode: Classroom; Meets with: 12085 FREN 1003, 2 cr
- 33932 003 DIS, 10:10am-11:00am MTWTh, FolH 105, instruction mode: Classroom; Meets with: 12087 FREN 1003, 2 cr
- 33933 005 DIS, 12:20pm-01:10pm MTWTh, FolH 28, instruction mode: Classroom; Meets with: 12089 FREN 1003, 2 cr
- 17990 006 DIS, 01:25pm-02:15pm MTWTh, FolH 4, instruction mode: Classroom; Meets with: 12090 FREN 1003, 2 cr
- 23308 007 DIS, 02:30pm-03:20pm MTWTh, KoltH 138, instruction mode: Classroom; Meets with: 12091 FREN 1003, 2 cr
- 26826 1008 DIS, 06:20pm-08:25pm MTh, FolH 123, instruction mode: Classroom; Meets with: 33937 FREN 1003, 2 cr

4004 Intermediate French

(prereq Grad student)

- 17991 001 DIS, 08:00am-08:50am MTWThF, FolH 122, instruction mode: Classroom; Meets with: 12093 FREN 1004; Whitaker, Trina, 2 cr
- 33938 003 DIS, 10:10am-11:00am MTWThF, FolH 10, instruction mode: Classroom; Meets with: 13531 FREN 1004; Kerr, Betsy Jean, 2 cr
- 33939 005 DIS, 12:20pm-01:10pm MTWThF, FolH 122, instruction mode: Classroom; Meets with: 14464 FREN 1004, 2 cr
- 23744 006 DIS, 01:25pm-02:15pm MTWThF, FolH 123, instruction mode: Classroom; Meets with: 14470 FREN 1004, 2 cr
- 17992 1007 DIS, 06:20pm-08:25pm MTh, KoltH 136, instruction mode: Classroom; Meets with: 23743 FREN 1004, 2 cr

4022 Accelerated Beginning French

(Credit will not be granted if credit has been received for: FREN 1002, FREN 1022, FREN 4002; prereq Grad student)

- 33940 002 DIS, 10:10am-11:00am MTWThF, FolH 123, instruction mode: Classroom; Meets with: 12979 FREN 1022, 2 cr
- 18681 1004 DIS, 06:20pm-08:25pm MTh, FolH 122, instruction mode: Classroom; technology-enhanced section; Meets with: 13568 FREN 1022, 2 cr

4109W Senior Project in French and Francophone Studies

(A-F; prereq instr consent, [completion of most major coursework or permission of DUS]; meets CLE req of Writing Intensive)

- 22074 001 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Abderrezak, Hakim, 1 cr
- 22078 002 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Brewer, Daniel, 1 cr
- 22079 003 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Brewer, Maria M, 1 cr
- 22080 004 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Chaouat, Bruno, 1 cr
- 22081 005 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Cherbuliez, Juliette, 1 cr
- 22082 006 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to

register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Franklin-Brown, Mary, 1 cr

22083 007 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Kerr, Betsy Jean, 1 cr

22084 008 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Noakes, Susan J, 1 cr

22085 009 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Preckshot, J E, 1 cr

22086 010 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Sivert, Eileen B, 1 cr

22434 011 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Wall-Romana, Christophe M, 1 cr

4110V Honors Thesis

(max crs 4; A-F; prereq [Completion of most major coursework or permission of DUS], candidate for honors in French, instr consent; meets CLE req of Writing Intensive; meets HON req of Honors)

21910 001 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Abderrezak, Hakim, 1-2 cr

22109 002 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Brewer, Daniel, 1-2 cr

22437 003 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Brewer, Maria M, 1-2 cr

22438 004 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Chaouat, Bruno, 1-2 cr

22439 005 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Cherbuliez, Juliette, 1-2 cr

22440 006 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Franklin-Brown, Mary, 1-2 cr

22441 007 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Kerr, Betsy Jean, 1-2 cr

22442 008 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Noakes, Susan J, 1-2 cr

22443 009 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Preckshot, J E, 1-2 cr

22446 010 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Sivert, Eileen B, 1-2 cr

22447 011 IND, instruction mode: Independent/Directed Studies; Students must obtain a permission number to register from the faculty member with whom they will be working and complete a contract outlining the work to be done.; Wall-Romana, Christophe M, 1-2 cr

4970 Directed Readings

(max crs 9; 9 repeats allowed; prereq instr consent)

12102 001 IND, instruction mode: Classroom; , 1-4 cr

15970 002 IND, instruction mode: Classroom; , 1-4 cr

15971 003 IND, instruction mode: Classroom; 1-4 cr

15972 004 IND, instruction mode: Classroom; 1-4 cr

15973 005 IND, instruction mode: Classroom; 1-4 cr

5350 Topics in Literature and Culture

(max crs 12; 4 repeats allowed; prereq 3101 or equiv)

25707 001 LEC, 11:15am-12:30pm MW, NichH 125,

instruction mode: Classroom; Noakes, Susan J, 3 cr

5995 Directed Teaching

(max crs 24; 4 repeats allowed; S-N only; prereq instr consent)

20252 001 IND, 10:10am-11:00am M, STSS 144, instruction mode: Classroom; Mougél, Patricia M., 1-6 cr

8230 Critical Issues: Criticism and Thought

(max crs 9; 3 repeats allowed; A-F)

34049 001 LEC, 02:30pm-05:00pm Th, FolH 119, instruction mode: Classroom; Chaouat, Bruno, 3-9 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13969 001 IND, instruction mode: Classroom; 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14105 001 IND, instruction mode: Classroom; 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14224 001 IND, instruction mode: Classroom; 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14308 001 IND, instruction mode: Classroom; 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq max 18 cr per semester or summer, 24 cr required)

13743 001 IND, instruction mode: Classroom; , 1-24 cr

8980 Directed Teaching

(max crs 25; 25 repeats allowed)

12079 001 FWK, instruction mode: Classroom; Brewer, Daniel, 1-5 cr

8992 Directed Readings for Graduate Students

(max crs 25; 25 repeats allowed; prereq instr consent)

12078 001 IND, instruction mode: Classroom; 1-5 cr

8994 Directed Research

(max crs 25; 25 repeats allowed; prereq instr consent ; may be taken as tutorial with instr consent)

12862 001 IND, instruction mode: Classroom; 1-5 cr

FRENCH AND ITALIAN (Frit)

314 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/624-4308, <http://frit.umn.edu/>

5999 Teaching of French and Italian:

Theory and Practice

12070 001 DIS, 02:30pm-04:25pm M, FolH 112, instruction mode: Classroom; Meets with: 11986 GSD 5103, 11746 SPPT 5999; Menke, Mandy R, 3 cr

GAY, LESBIAN, BISEXUAL, AND TRANSGENDER STUDIES (GLBT)

425 Ford Hall, 224 Church St SE, East Bank Campus, Minneapolis, MN, 55455
612/624-6006, <http://gwss.umn.edu/glblt/glblt.htm>

3211 History of Sexuality in Europe

(Credit will not be granted if credit has been received for: HIST 3211; A-F only)

34867 001 LEC, 01:00pm-02:15pm TTh, BlegH 130, instruction mode: Classroom; Meets with: 34776 HIST 3211; Clark, Anna Kirsten, 3 cr

3212 Dissident Sexualities in U.S. History

(Credit will not be granted if credit has been received for: HIST 3212, AMST 3212; A-F only)

26229 001 LEC, 01:00pm-02:15pm TTh, FordH 151, instruction mode: Classroom; Murphy, Kevin P., 3 cr

3305 Queer Cinema

(meets CLE req of Arts/Humanities)

24052 001 LEC, 04:00pm-06:30pm Th, FordH 151, instruction mode: Classroom; 3 cr

3404 Transnational Sexualities

(Credit will not be granted if credit has been received for: GWSS 3404; meets CLE req of Global Perspectives)

24053 001 LEC, 04:00pm-05:15pm MW, FordH 170, instruction mode: Classroom; Aizura, Aren Zachary, 3 cr

3456W Sexuality and Culture

(meets CLE req of Writing Intensive)

21810 001 LEC, 01:00pm-02:15pm MW, NichH 35, instruction mode: Classroom; Meets with: 17301 CSDL 3456W; Lekas, Michelle Yvonne, 3 cr

3993 Directed Studies

(max crs 6; 6 repeats allowed; A-F only; prereq GLBT studies minor, instr consent)

19961 001 IND, instruction mode: Classroom; 1-6 cr

4101 Gender, Sexuality, and Politics in America

(Credit will not be granted if credit has been received for: AMST 4101; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives)

24448 001 LEC, 06:20pm-08:50pm M, NichH 35, instruction mode: Classroom; Meets with: 24288 AMST 4101; , 3 cr

4403 Queering Theory

(prereq 1002 or 3102 or instr consent)

34510 001 DIS, 02:30pm-03:45pm TTh, FordH 151, instruction mode: Classroom; Meets with: 34509 GWSS 4403; Zita, Jacquelyn N, 3 cr

5993 Directed Study

(max crs 12)

19962 001 IND, instruction mode: Independent/Directed Studies; 1-12 cr

GENDER, WOMEN, AND SEXUALITY STUDIES (GWSS)

425 Ford Hall, 224 Church St SE, East Bank Campus, Minneapolis, MN, 55455
612/624-6006, <http://gwss.umn.edu/>

1001 Gender, Power, and Everyday Life

26716 001 DIS, instruction mode: Correspondence; Offered Completely Online; 3 cr

1003W Women Write the World

(meets CLE req of Global Perspectives; meets CLE req of Literature; meets CLE req of Writing Intensive)

20315 001 DIS, 04:00pm-05:15pm MW, AkerH 319, instruction mode: Classroom; Kaminsky, Amy K, 3 cr

1004 Screening Sex: Visual and Popular Culture

(meets CLE req of Arts/Humanities)

22151 001 LEC, 04:00pm-06:30pm T, STSS 312, instruction mode: Classroom; Desai, Jigna, 3 cr

1005 Engaging Justice

(meets CLE req of Civic Life and Ethics)

26322 001 LEC, 11:15am-12:30pm TTh, FordH 151, instruction mode: Classroom; Zita, Jacquelyn N, 3 cr

3002V Honors: Gender, Race and Class in the U.S.

(Credit will not be granted if credit has been received for: GWSS 3002W; A-F; prereq Honors; credit will not be granted if credit already received for: 3002H; meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive; meets HON req of Honors)

23855 001 DIS, 01:00pm-02:15pm TTh, FordH 115, instruction mode: Classroom; Meets with: 23375 GWSS 3002W, 3 cr

3002W Gender, Race, and Class in the U.S.

(Credit will not be granted if credit has been received for: GWSS 3002V; meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive)

23375 001 DIS, 01:00pm-02:15pm TTh, FordH 115, instruction mode: Classroom; Meets with: 23855 GWSS 3002V, 3 cr

3102V Honors: Feminist Thought and Theory

(max crs 4; meets CLE req of Writing Intensive; meets HON req of Honors)

34502 001 DIS, 02:30pm-03:45pm MW, NichH 155, instruction mode: Classroom; Meets with: 22152 GWSS 3102W; Isoke, Zenzele, 3-4 cr

3102W Feminist Thought and Theory

(meets CLE req of Arts/Humanities; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

22152 001 LEC, 02:30pm-03:45pm MW, NichH 155, instruction mode: Classroom; Meets with: 34502 GWSS 3102V; Isoke, Zenzele, 3 cr

3203W Blood, Bodies and Science

(meets CLE req of Social Sciences; meets CLE req of Technology and Society; meets CLE req of Writing Intensive)

17618 001 LEC, 02:30pm-03:45pm TTh, AkerH 319, instruction mode: Classroom; Hill, Annie, 3 cr

3215 Bodies That Matter: Feminist Approaches to Disability Studies

(meets CLE req of Diversity and Soc Justice US)

34503 001 DIS, 09:45am-11:00am TTh, FordH 151, instruction mode: Classroom; Carter, Angela, 3 cr

3290 Topics

(max crs 9; 3 repeats allowed; A-F)

34504 001 DIS, 09:45am-11:00am MW, FordH 110, instruction mode: Classroom; "Global Pandemics"; Craddock, Susan L, 3 cr

3302 Women and the Arts

(meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

23857 001 DIS, 01:00pm-02:15pm WF, FordH 110, instruction mode: Classroom, 3 cr

3303W Writing Differences: Literature by U.S. Women of Color

(Credit will not be granted if credit has been received for: AAS 3303W; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive)

34506 001 DIS, 06:20pm-08:50pm M, FordH 127, instruction mode: Classroom, 3 cr

3305 Queer Cinema

(meets CLE req of Arts/Humanities)

23376 001 LEC, 04:00pm-06:30pm Th, FordH 151, instruction mode: Classroom, 3 cr

3403W Jewish Women in the United States

(meets CLE req of Writing Intensive)

34718 001 LEC, instruction mode: Classroom, 3 cr

3404 Transnational Sexualities

(Credit will not be granted if credit has been received for: GLBT 3404; meets CLE req of Global Perspectives)

23908 001 LEC, 09:45am-11:00am MW, FordH 151, instruction mode: Classroom; Aizura, Aren Zachary, 3 cr

3407 Women in Early and Victorian America: 1600-1890

(Credit will not be granted if credit has been received for: HIST 3347; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives)

23910 001 LEC, 01:25pm-02:15pm MWF, FordH B10, instruction mode: Classroom; Meets with: 10995 HIST 3347; Norling, Lisa A, 3 cr

3410 Chicana Studies: La Chicana in Contemporary Society

(Credit will not be granted if credit has been received for: CHIC 3212; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

24382 001 LEC, 09:45am-11:00am TTh, AmundH 158, instruction mode: Classroom; Meets with: 17209 CHIC 3212; Lopez Lyman, Jessica, 3 cr

3415 Feminist Perspectives on Domestic Violence and Sexual Assault

(A-F; meets CLE req of Diversity and Soc Justice US)

19753 001 DIS, 01:00pm-02:15pm TTh, FordH 110, instruction mode: Classroom; Schuster, Mary Lay, 3 cr

3993 Directed Study

(max crs 12; 9 repeats allowed)

22153 001 IND, instruction mode: Classroom, 1-12 cr

3994 Directed Research

(max crs 12)

22154 001 IND, instruction mode: Classroom, 1-12 cr

4103 Transnational Feminist Theories

(meets CLE req of Global Perspectives)

34507 001 LEC, 04:00pm-05:15pm MW, FordH 127, instruction mode: Classroom; Meets with: 34508 GWSS 5104, 3 cr

4108 Senior Seminar: Writing

(prereq GWSS major [jr or sr])

24058 001 LEC, instruction mode: Classroom; The senior project is the capstone of the GWSS major. This course to be taken in conjunction with a 3xxx, 4xxx, 5xxx or 8xxx-level GWSS class. Please contact Judith Katz (gwssadv@umn.edu) for more information., 1 cr

4403 Queering Theory

(Credit will not be granted if credit has been received for: GWSS 5503; prereq Any GWSS or GLBT course)

34509 001 DIS, 02:30pm-03:45pm TTh, FordH 151, instruction mode: Classroom; Meets with: 34510 GLBT 4403; Zita, Jacquelyn N, 3 cr

4980 Directed Instruction

(max crs 12; 12 repeats allowed)

22787 001 IND, instruction mode: Classroom, 1-8 cr

4993 Directed Study

(max crs 10; prereq Filled out student/faculty contract, instr consent , dept consent , college consent)

22753 001 IND, instruction mode: Classroom, 1-5 cr

4994 Directed Research

(max crs 12; 12 repeats allowed)

22788 001 IND, instruction mode: Classroom, 1-8 cr

5104 Transnational Feminist Theory

34508 001 DIS, 04:00pm-05:15pm MW, FordH 127, instruction mode: Classroom; Meets with: 34507 GWSS 4103, 3 cr

5993 Directed Study

(max crs 12)

13569 001 IND, instruction mode: Classroom, 1-12 cr

5994 Directed Instruction

(max crs 36; 36 repeats allowed)

13570 001 IND, instruction mode: Classroom, 1-12 cr

5995 Directed Research

(max crs 36; 36 repeats allowed)

13571 001 IND, instruction mode: Classroom, 1-8 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14026 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14161 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14277 001 IND, instruction mode: Classroom, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 24; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13791 001 IND, instruction mode: Classroom, 1-24 cr

8993 Directed Study

(max crs 9; 9 repeats allowed)

13572 001 IND, instruction mode: Classroom, 1-6 cr

8994 Directed Instruction

(max crs 36; 36 repeats allowed)

13573 001 IND, instruction mode: Classroom, 1-8 cr

8995 Directed Research

(max crs 36; 36 repeats allowed)

13574 001 IND, instruction mode: Classroom, 1-8 cr

8996 Feminist Studies Colloquium

(max crs 4; 4 repeats allowed; S-N only; prereq Feminist Studies Ph.D. student or graduate GWSS minor)

26590 001 COL F, FordH 400, instruction mode: Classroom; Squires, Catherine R, 1 cr

GENERAL DENTISTRY (Gend)15-209 MoosT, 515 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9982, <http://www.dentistry.umn.edu>**5152 Advanced General Dentistry Seminar II**

(max crs 10; S-N only)

13170 001 LEC, instruction mode: Classroom; MoosT 15-254; Gambucci, James Robert; Owen DDS, MS, Mary K, 5-10 cr

5255 Advanced General Dentistry Clinic II

(max crs 15; S-N only)

13172 001 FWK, instruction mode: Classroom; MoosT 9-227; Gambucci, James Robert; Roettger DDS, Mark Allen; Taple, Loren Jeffrey; Bongard, Terrence Donald; Owen DDS, MS, Mary K; Lugo DDS, Esteban R., 5-15 cr

5262 Advanced General Dentistry Clinical Administration II

(max crs 10; S-N only)

13171 001 FWK, instruction mode: Classroom; hrs ar; MoosT 9-227; Gambucci, James Robert; Owen DDS, MS, Mary K, 5-10 cr

5265 Advanced General Dentistry Clinic V

(max crs 15; S-N only)

13173 001 FWK, instruction mode: Classroom; MoosT 9-227; Gambucci, James Robert; Roettger DDS, Mark Allen; Taple, Loren Jeffrey; Bongard, Terrence Donald; Owen DDS, MS, Mary K; Lugo DDS, Esteban R., 1-15 cr

6152 General Practice Seminar II

(max crs 10; S-N only)

13174 001 LEC, instruction mode: Classroom; MoosT 15-254; Gambucci, James Robert; Owen DDS, MS, Mary K; Nakagaki, Kevin Neil, 5-10 cr

6255 General Practice Clinic II

(max crs 15; S-N only)

13176 001 FWK, instruction mode: Classroom; PWB 7-315; Gambucci, James Robert; Schulte, Herb; Fournot, Juliette Edith; Newcomb, Melvin Dale; Nakagaki, Kevin Neil; Owen DDS, MS, Mary K, 10-15 cr

6262 General Practice Clinical Administration II

(max crs 10; S-N only)

13175 001 FWK, instruction mode: Classroom; PWB 7-315; Gambucci, James Robert; Nakagaki, Kevin Neil, 5-10 cr

6265 General Practice Clinic V

(max crs 15; S-N only)

13178 001 FWK, instruction mode: Classroom; PWB 7-315; Gambucci, James Robert; Newcomb, Melvin Dale; Schulte, Herb; Owen DDS, MS, Mary K; Nakagaki, Kevin Neil; Fournot, Juliette Edith, 10-15 cr

GENETICS, CELL BIOLOGY AND DEVELOPMENT (GCD)6-160 Jackson Hall, 321 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612 6243110, <http://www.gcd.umn.edu/>**2002 Ethical and Social Challenges in Genetics**

(A-F; prereq BIOL 1009 or equiv; meets CLE req of Technology and Society)

21480 001 LEC, 09:45am-11:00am TTh, STSS 131B, instruction mode: Classroom; Greenstein, David I.; Hackett Jr, Perry B; LeRoy, Bonnie S, 3 cr

3022 Genetics

(Credit will not be granted if credit has been received for: BIOL 4003; prereq BIOL 2002 or BIOL 1009)

11549 001 LEC, 03:00pm-04:15pm MW, BioSci 64, STPAUL, instruction mode: Classroom; Cannot be used toward CBS major requirements. Please contact Sue at smk@umn.edu with questions.; Shaw, Jocelyn E, 3 cr
20608 002 LEC, 02:30pm-03:45pm TTh, MCB 3-120, instruction mode: Classroom; Cannot be used toward CBS major requirements. Please contact Sue at smk@umn.edu regarding the textbook.; Conklin, Kathleen F, 3 cr

3033 Principles of Cell Biology

(A-F; prereq BIOL 1009 or equiv)
22460 001 LEC, 09:45am-11:00am TTh, STSS 330,
instruction mode: Classroom; Students who have taken
genetics (Biol 4003) and biochemistry (Bioc 3021 or Bioc
4331)

4161 Developmental Biology

(prereq Biol 4003; Concurrent registration is required
(or allowed) in BIOL 4004 irecommended)
17704 001 LEC, 01:25pm-02:15pm MWF, Mayo C231,
instruction mode: Classroom; Rougiew, Ann E, 3 cr

4793W Directed Studies: Writing Intensive

(max crs 7; 7 repeats allowed; S-N only; prereq instr
consent , dept consent; meets CLE req of Writing
Intensive)
14403 001 IND, instruction mode: Classroom; Kirkpatrick,
David T, 1-7 cr

4794W Directed Research: Writing Intensive

(max crs 42; 7 repeats allowed; S-N only; prereq instr
consent , dept consent; meets CLE req of Writing
Intensive)
14404 001 IND, instruction mode: Classroom; Kirkpatrick,
David T, 1-6 cr

4993 Directed Studies

(max crs 7; 7 repeats allowed; S-N only; prereq instr
consent , dept consent)
12829 001 IND, instruction mode: Classroom; Kirkpatrick,
David T, 1-7 cr

4994 Directed Research

(max crs 42; 7 repeats allowed; S-N only; prereq instr
consent , dept consent)
12828 001 IND, instruction mode: Classroom; Kirkpatrick,
David T, 1-6 cr

5005 Computer Programming for Cell Biology

(prereq [BIOL 4003, BIOL4004 (4004 may be taken
concurrently or may be waived with instr consent)],
biological statistics, one semester of calculus)
001 LEC, 11:15am-12:05pm T, STSS 420A, instruction mode:
Classroom; Gardner, Melissa Klein
25074 002 LAB, 11:15am-01:10pm Th, STSS 420A,
instruction mode: Classroom; Gardner, Melissa Klein, 3 cr

5036 Molecular Cell Biology

(prereq Biol 4004 or instr consent; [sr or grad student]
recommended)
11758 001 LEC, 01:00pm-02:15pm TTh, MCB 2-120,
instruction mode: Classroom; Iwanij, Victoria, 3 cr

6103 Human Histology

(Credit will not be granted if credit has been received
for: GCD 8103; max crs 8; P-N only; prereq Enrolled as
medical or dental student or instr consent)
001 LEC, 11:15am-12:05pm MTWF, . NORMREQD, 08/03/
15-12/23/15, instruction mode: Classroom; Norrander PhD,
Jan Marie
25778 002 LAB MW, Room TBA, 08/03/15-12/23/15,
instruction mode: Classroom; Norrander PhD, Jan Marie,
3-8 cr
25779 003 LAB, 08/03/15-12/23/15, instruction mode:
Classroom; Norrander PhD, Jan Marie, 3-8 cr

6110 Science of Medical Practice

(max crs 6; A-F only; prereq Medical student or
MCDBConcurrent registration is required (or allowed)
in G MS student with genetic counseling specialization
or instr consent)
21896 001 LEC MF, . NORMREQD, 08/07/15-06/15/16,
instruction mode: Classroom; Combined medical genetics
and biochemistry curriculum. For 1st year med students and
genetic counseling students. Cross-listed with INMD 6802;
12 seats reserved for MCDG MS student; Schimmenti MD,
Lisa A, 3-6 cr

8103 Human Histology

(Credit will not be granted if credit has been received
for: GCD 6103; prereq Undergraduate biology,
chemistry, math, and physics course; instr consent)
001 LEC, 11:15am-12:05pm MTWF, . NORMREQD,
instruction mode: Classroom
25781 002 LAB, 01:15pm-03:30pm MW, . NORMREQD,
instruction mode: Classroom; Norrander PhD, Jan Marie,
5 cr
25782 003 LAB, 01:15pm-03:30pm MW, . NORMREQD,
instruction mode: Classroom; Norrander PhD, Jan Marie,
5 cr

8151 Cell Structure and Function

(prereq [[4034 or 8121 or BioC 8002], Biol 4004] or
BMBB or MCDBG grad student] or instr consent)
17101 001 LEC, 09:45am-11:00am TTh, STSS 121,
instruction mode: Classroom; Contact Dr. Titus
(titus004@umn.edu) regarding a permission number.;
Titus, Margaret A.; Odde, David John; Koepp, Deanna;
Conner PhD, Sean; Luxton, G.W. Gant; Gardner, Melissa
Klein, 3 cr

8171 Literature Analysis

(A-F only; prereq Grad MCDG major)
14742 001 DIS, instruction mode: Classroom; Day/Time TBA.
(Students vote on this during the first week of class. This
course is always scheduled in departmental rooms.); Titus,
Margaret A.; Mc Ivor, R Scott; Neufeld, Thomas Peter, 2 cr

8900 Seminar

(max crs 8; 4 repeats allowed; S-N only; prereq Grad
MCDG major or instr consent)
12875 001 LEC, 11:30am-01:30pm Th, . NORMREQD, 08/07/
15-06/15/16, instruction mode: Classroom; Somia, Nikunj
V; Bagchi, Anindya; Starr, Tim; Luxton, G.W. Gant, 1-2 cr
34366 002 LEC, 04:00pm-05:00pm Th, . NORMREQD,
instruction mode: Classroom, 1-2 cr

8911 Introduction to Genetic Counseling Skills and Practice

(A-F; prereq This class is intended for Molecular,
Cellular, Biology and Genetics M.S. students with
genetic counseling specialization.)
26779 001 LEC, 02:30pm-04:30pm MW, MoosT 4-128,
instruction mode: Classroom; Zierhut, Heather, 3 cr

8913 Psychosocial Issues in Genetic Counseling

(A-F only; prereq MCDG MS student with genetic
counseling specialization or instr consent)
20775 001 LEC, 02:00pm-04:30pm Th, MoosT 4-128,
instruction mode: Classroom; LeRoy, Bonnie S, 3 cr

8993 Directed Studies

(max crs 15; 15 repeats allowed; prereq MCDG MS
student with genetic counseling specialization or
12879 001 IND, 08:00am-02:00pm Th, . NORMREQD,
instruction mode: Classroom; Bower, Matt, 1-5 cr
20619 002 IND, instruction mode: Classroom; Hirsh, Elizabeth
D, 1-5 cr
23964 003 IND, instruction mode: Classroom; LeRoy, Bonnie
S, 1-5 cr

8994 Research

(max crs 20; 20 repeats allowed; S-N only; prereq
MCDG MS student with genetic counseling
specialization)
12880 001 IND, instruction mode: Classroom, 1-5 cr

GEOGRAPHIC INFORMATION SCIENCE (GIS)

414 Social Science Building, 267 19th Ave S,
West Bank Campus, Minneapolis, MN, 55455
612/625-6080, <http://www.geog.umn.edu>

5530 GIS Internship

(max crs 6; S-N; prereq instr consent , strong GIS/
mapping skills)
19945 001 FWK, instruction mode: Independent/Directed
Studies; McMaster, Susanna Akiko, 1-3 cr

5555 Basic Spatial Analysis

(prereq [STAT 3001 or equiv, MGIS student] or instr
consent)
001 LEC, 01:00pm-02:00pm W, BlegH 445, instruction mode:
Classroom; Kugler, Tracy Ann
25838 002 LAB, 02:00pm-03:30pm W, BlegH 430, instruction
mode: Classroom; Kugler, Tracy Ann, 3 cr

5571 ArcGIS I

(prereq [GEOG 5561 or equiv, status in MGIS program,
familiarity with computer operating systems] or instr
consent)
1001 LEC, 05:30pm-07:20pm W, BlegH 445, instruction mode:
Classroom; Lindberg, Mark B
12158 1002 LAB, 07:45pm-09:45pm W, BlegH 455, instruction
mode: Classroom; Winzenburg, Lucas James, 3 cr

5573 Introduction to Digital Mapping: ArcGIS Basics

(A-F; prereq [GEOG 5561 or equiv, in MGIS program] or
instr consent)

12219 1001 LEC, 05:30pm-07:30pm W, BlegH 455, 09/
08/15-10/26/15, instruction mode: Classroom; Hansen,
Catherine Lucia, 2 cr

5574 Web GIS and Services

(prereq [GEOG 5561 or equiv, in MGIS program] or
instr consent)
21849 1002 LEC, 05:30pm-08:00pm T, BlegH 445, instruction
mode: Classroom; Dyke, Kevin R, 3 cr

8501 GIS Project Management and Professional Development

(A-F; prereq MGIS student or instr consent)
14739 1001 LEC, 05:30pm-07:30pm M, BlegH 445, instruction
mode: Classroom; McMaster, Susanna Akiko; Kne, Len, 3
cr

8990 Research Problems in GIS

(max crs 6; 3 repeats allowed; A-F; prereq MGIS
student, instr consent)
14721 001 IND, instruction mode: Classroom; McMaster,
Susanna Akiko, 1-6 cr
24590 007 IND, instruction mode: Classroom; Kne, Len, 1-6
cr
21003 010 IND, instruction mode: Classroom; Lindberg, Mark
B, 1-6 cr
21004 015 IND, instruction mode: Classroom; Manson,
Steven M., 1-6 cr

GEOGRAPHY (Geog)

414 Social Sciences Building, 267 19th Ave
S, West Bank Campus, Minneapolis, MN,
55455
612/625-6080, <http://www.geog.umn.edu>

1301W Our Globalizing World

(Credit will not be granted if credit has been
received for: GEOG 1301V; meets CLE req of Global
Perspectives; meets CLE req of Social Sciences; meets
CLE req of Writing Intensive)
001 LEC, 10:10am-11:00am MW, BlegH 255, instruction
mode: Classroom; Derickson, Kate Driscoll
11326 002 DIS, 09:05am-09:55am F, BlegH 210, instruction
mode: Classroom; Please note: Class will only count for 3
credits beginning this term., 3 cr
25376 003 DIS, 10:10am-11:00am F, BlegH 205, instruction
mode: Classroom; Please note: Class will only count for 3
credits beginning this term., 3 cr

1403 Biogeography of the Global Garden

(Credit will not be granted if credit has been received
for: GEOG 1403H; meets CLE req of Biological
Sciences; meets CLE req of Environment)
001 LEC, 11:15am-12:30pm MW, WilleyH 175, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes.; Meets with: 26429 GEOG 1403H
11707 002 LAB, 08:00am-09:55am T, BlegH 455, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes.; 23 seats reserved for Freshman
and FRFY for Freshman, 4 cr
11708 003 LAB, 08:00am-09:55am Th, BlegH 455, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes., 4 cr
11709 004 LAB, 10:10am-12:05pm T, BlegH 455, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes., 4 cr
11710 005 LAB, 10:10am-12:05pm Th, BlegH 455, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes., 4 cr
11711 006 LAB, 08:00am-09:55am W, BlegH 455, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes., 4 cr
24007 007 LAB, 12:20pm-02:15pm Th, BlegH 330, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes., 4 cr
11712 1008 LAB, 07:00pm-08:55pm M, BlegH 210, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes.; 23 seats reserved for Freshman
and FRFY for Freshman, 4 cr
11713 1009 LAB, 07:00pm-08:55pm W, BlegH 335, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes., 4 cr
13505 010 LAB, 12:20pm-02:15pm T, BlegH 455, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes., 4 cr
15294 011 LAB, 12:20pm-02:15pm Th, BlegH 455, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes., 4 cr
15295 012 LAB, 01:25pm-03:20pm M, BlegH 455, instruction
mode: Classroom; Lab meetings for Geog 1403 will begin
the 2nd week of classes., 4 cr

17429 013 LAB, 01:25pm-03:20pm W, BlegH 425, instruction mode: Classroom; Lab meetings for Geog 1403 will begin the 2nd week of classes., 4 cr

24008 014 LAB, 01:25pm-03:20pm M, BlegH 415, instruction mode: Classroom; Lab meetings for Geog 1403 will begin the 2nd week of classes., 4 cr

17671 015 LAB, 10:10am-12:05pm Th, BlegH 140, instruction mode: Classroom; Lab meetings for Geog 1403 will begin the 2nd week of classes., 4 cr

17672 016 LAB, 08:00am-09:55am W, BlegH 230, instruction mode: Classroom; Lab meetings for Geog 1403 will begin the 2nd week of classes.; 9 seats reserved for freshman, 4 cr

17685 017 LAB, 10:10am-12:05pm T, BlegH 230, instruction mode: Classroom; Lab meetings for Geog 1403 will begin the 2nd week of classes.; 20 seats reserved for CATS (CLA Pres Emerg Scholars), 4 cr

24006 018 LAB, 10:10am-12:05pm Th, BlegH 335, instruction mode: Classroom; Lab meetings for Geog 1403 will begin the 2nd week of classes., 4 cr

24005 019 LAB, 01:25pm-03:20pm W, BlegH 415, instruction mode: Classroom; Lab meetings for Geog 1403 will begin the 2nd week of classes., 4 cr

17686 020 LAB, 08:00am-09:55am M, BlegH 205, instruction mode: Classroom; Lab meetings for Geog 1403 will begin the 2nd week of classes.; 15 seats reserved for freshman, 4 cr

1403H Honors: Biogeography of the Global Garden

(Credit will not be granted if credit has been received for: GEOG 1403; A-F; prereq Honors; meets CLE req of Biological Sciences; meets CLE req of Environment; meets HON req of Honors)

26431 002 LAB, 01:25pm-03:20pm W, . NORMREQD, 01:25pm-03:20pm W, . ROOM-TBA, 01:25pm-03:20pm W, BlegH 455, instruction mode: Classroom; , 4 cr

1425 Introduction to Meteorology

(Credit will not be granted if credit has been received for: ESPM 1425; prereq High school algebra; meets CLE req of Environment; meets CLE req of Physical Sciences)

001 LEC, 09:05am-09:55am MWF, BlegH 10, instruction mode: Classroom; Meets with: 15546 ESPM 1425; Klink, Katherine

16211 002 LAB, 01:00pm-02:15pm T, BlegH 335, instruction mode: Classroom; Meets with: 16210 ESPM 1425; , 4 cr

16796 003 LAB, 01:00pm-02:15pm W, BlegH 235, instruction mode: Classroom; Meets with: 16798 ESPM 1425; , 4 cr

16797 004 LAB, 01:00pm-02:15pm Th, BlegH 140, instruction mode: Classroom; Meets with: 16799 ESPM 1425, 4 cr

1502 Mapping Our World

(meets CLE req of Social Sciences; meets CLE req of Technology and Society)

001 LEC, 01:25pm-02:15pm MW, AndH 270, instruction mode: Classroom

20690 002 LAB, 01:25pm-02:15pm F, BlegH 455, instruction mode: Primarily Online; Meets with: 20691 GEOG 1502, 21883 GEOG 1502, 21884 GEOG 1502, 22524 GEOG 1502, 3 cr

20691 003 LAB, 01:25pm-02:15pm F, BlegH 455, instruction mode: Primarily Online; Meets with: 20690 GEOG 1502, 21883 GEOG 1502, 21884 GEOG 1502, 22524 GEOG 1502, 3 cr

21883 004 LAB, 01:25pm-02:15pm F, BlegH 455, instruction mode: Primarily Online; Meets with: 20690 GEOG 1502, 20691 GEOG 1502, 21884 GEOG 1502, 22524 GEOG 1502, 3 cr

21884 005 LAB, 01:25pm-02:15pm F, BlegH 455, instruction mode: Primarily Online; Meets with: 20690 GEOG 1502, 20691 GEOG 1502, 21883 GEOG 1502, 22524 GEOG 1502, 3 cr

22524 006 LAB, 01:25pm-02:15pm F, BlegH 455, instruction mode: Primarily Online; Meets with: 20690 GEOG 1502, 20691 GEOG 1502, 21883 GEOG 1502, 21884 GEOG 1502, 3 cr

1901 Freshman Seminar

(A-F; prereq Fr; meets CLE req of Environment)

26008 001 LEC, 09:30am-12:00pm T, HHCtr 35, instruction mode: Classroom; St. George, Scott, 3 cr

1905 Freshman Seminar

(prereq Fr)

34474 001 LEC, 01:00pm-03:30pm M, HHCtr 30, instruction mode: Classroom; Anand, Nikhil, 3 cr

1973 Geography of the Twin Cities

(Credit will not be granted if credit has been received for: GEO 1009, GEOG 3973; meets CLE req of Social Sciences)

11179 001 LEC, 09:45am-11:00am TTh, AndH 230, instruction mode: Classroom; Meets with: 13506 GEOG 3973; Pentel, Paula R, 3 cr

3161 Europe: A Geographic Perspective

(Credit will not be granted if credit has been received for: GLOS 3921; meets CLE req of Global Perspectives)

24341 001 LEC, 01:00pm-02:15pm MW, BlegH 220, instruction mode: Classroom; Meets with: 24345 GLOS 3921; Saldanha, Arun, 3 cr

3331 Geography of the World Economy

(meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

25830 001 LEC, 01:00pm-02:15pm MW, BlegH 135, instruction mode: Classroom, 3 cr

3361W Geography and Public Policy

(Credit will not be granted if credit has been received for: BSE 3361W; meets CLE req of Writing Intensive)

22548 001 LEC, 01:00pm-02:15pm TTh, AndH 330, instruction mode: Classroom; BSE majors should enroll in BSE 3361W; Meets with: 24265 BSE 3361W; Squires, Roderick H, 3 cr

3371W Cities, Citizens, and Communities

(meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive)

11181 001 LEC, 01:00pm-02:15pm TTh, AndH 230, instruction mode: Classroom, 4 cr

3373 Changing Form of the City

(meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives)

24019 001 LEC, 02:30pm-03:45pm TTh, BlegH 120, instruction mode: Classroom, 3 cr

3376 Political Ecology of North America

(meets CLE req of Environment)

25675 001 LEC, 09:45am-11:00am TTh, BlegH 210, instruction mode: Classroom; Braun, Bruce Philip, 3 cr

3381W Population in an Interacting World

(meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive)

15507 001 LEC, 11:15am-12:30pm TTh, BlegH 10, instruction mode: Classroom; Meets with: 17241 GLOS 3701W, 4 cr

3531 Numerical Spatial Analysis

(Credit will not be granted if credit has been received for: GEOG 5531)

001 LEC, 02:30pm-04:25pm T, BlegH 415, 02:30pm-03:20pm Th, BlegH 225, instruction mode: Classroom; Meets with: 17712 GEOG 5531; Barnes, Timothy L

14596 002 DIS, 03:35pm-04:25pm Th, BlegH 140, instruction mode: Classroom; Meets with: 17713 GEOG 5531, 4 cr

3561 Principles of Geographic Information Science

(prereq Jr or sr)

001 LEC, 04:00pm-05:15pm TTh, AndH 230, instruction mode: Classroom; Meets with: 11997 GEOG 5561

11657 002 LAB, 07:45pm-09:45pm T, BlegH 440, instruction mode: Classroom; Meets with: 11998 GEOG 5561, 4 cr

11658 003 LAB, 10:10am-12:05pm W, BlegH 455, instruction mode: Classroom; Meets with: 11999 GEOG 5561, 4 cr

11659 004 LAB, 03:35pm-05:30pm M, BlegH 455, instruction mode: Classroom; Meets with: 12000 GEOG 5561, 4 cr

3839 Introduction to Dendrochronology

(prereq [1403, [BIOL 1001 or BIOL 1009 or equiv]] or instr consent)

25679 001 LEC, 04:00pm-05:15pm TTh, BlegH 135, instruction mode: Classroom; Meets with: 25680 GEOG 5839; St. George, Scott, 3 cr

3973 Geography of the Twin Cities

(Credit will not be granted if credit has been received for: GEO 1009, GEOG 1973; meets CLE req of Social Sciences)

13506 001 LEC, 09:45am-11:00am TTh, AndH 230, instruction mode: Classroom; Meets with: 11179 GEOG 1973; Pentel, Paula R, 3 cr

3992 Directed Reading

(max crs 12; 12 repeats allowed)

12330 001 IND, instruction mode: Classroom, 1-8 cr

13472 002 IND, instruction mode: Classroom; (CLA honors), 1-8 cr

16938 005 IND, instruction mode: Classroom, 1-8 cr

3993 Directed Studies

(max crs 12; 12 repeats allowed)

12329 001 IND, instruction mode: Classroom, 1-8 cr

13473 002 IND, instruction mode: Classroom; (CLA honors); Simmonds, Jeanette; Powell, Glen L, 1-8 cr

3994 Directed Research

(max crs 12; 12 repeats allowed)

12331 001 IND, instruction mode: Classroom, 1-8 cr

13474 002 IND, instruction mode: Classroom; (CLA honors), 1-8 cr

3996 Senior Project Directed Research

(Credit will not be granted if credit has been received for: GEOG 3996H; max crs 8; A-F)

23338 001 IND, instruction mode: Classroom, 3-4 cr

3996H Honors: Senior Project Directed Research

(Credit will not be granted if credit has been received for: GEOG 3996; max crs 4; A-F; meets HON req of Honors)

23339 001 IND, instruction mode: Classroom, 3-4 cr

3997 Senior Project

(Credit will not be granted if credit has been received for: GEOG 3997H; max crs 4; A-F)

23340 001 IND, instruction mode: Classroom, 2 cr

3997H Honors: Senior Project

(Credit will not be granted if credit has been received for: GEOG 3997; max crs 4; A-F; meets HON req of Honors)

23341 001 IND, instruction mode: Classroom, 2 cr

4001 Modes of Geographic Inquiry

14936 001 LEC, 09:45am-11:00am TTh, BlegH 125, instruction mode: Classroom; Henderson, George Lawlor, 4 cr

5385 Globalization and Development: Political Economy

(prereq Sr or grad or instr consent)

25832 001 LEC, 01:25pm-04:00pm Th, SocSci 448, instruction mode: Classroom; Samatar, Abdi Ismail, 4 cr

5531 Numerical Spatial Analysis

(Credit will not be granted if credit has been received for: GEOG 3531)

001 LEC, 02:30pm-04:25pm T, BlegH 415, 02:30pm-03:20pm Th, BlegH 225, instruction mode: Classroom; Meets with: 14595 GEOG 3531; Barnes, Timothy L

17713 002 DIS, 03:35pm-04:25pm Th, BlegH 140, instruction mode: Classroom; Meets with: 14596 GEOG 3531, 4 cr

5561 Principles of Geographic Information Science

(prereq grad)

001 LEC, 04:00pm-05:15pm TTh, AndH 230, instruction mode: Classroom; Meets with: 11656 GEOG 3561

11998 002 LAB, 07:45pm-09:45pm T, BlegH 440, instruction mode: Classroom; Meets with: 11657 GEOG 3561, 4 cr

11999 003 LAB, 10:10am-12:05pm W, BlegH 455, instruction mode: Classroom; Meets with: 11658 GEOG 3561, 4 cr

12000 004 LAB, 03:35pm-05:30pm M, BlegH 455, instruction mode: Classroom; Meets with: 11659 GEOG 3561, 4 cr

5562 GIS Development Practicum

(prereq GIS 5571 or instr consent)

24023 001 LEC, 04:00pm-05:00pm Th, SocSci 278, instruction mode: Classroom; Lindberg, Mark B, 3 cr

5839 Introduction to Dendrochronology

(prereq [1403, [BIOL 1001 or BIOL 1009 or equiv]] or instr consent)

25680 001 LEC, 04:00pm-05:15pm TTh, BlegH 135, instruction mode: Classroom; Meets with: 25679 GEOG 3839; St. George, Scott, 3 cr

8001 Problems in Geographic Thought

(A-F only)

15291 001 LEC, 05:00pm-07:30pm T, CarlSMgmt 1-122, instruction mode: Classroom; Henderson, George Lawlor; Klink, Katherine, 3 cr

8101 Proseminar: Nature and Society

(prereq instr consent)

34486 001 LEC, 02:00pm-05:00pm T, . NONSTD-TBA, instruction mode: Classroom; Braun, Bruce Philip, 3 cr

8230 Theoretical Geography

(prereq instr consent)

24342 001 LEC, 04:00pm-06:30pm W, BlegH 240, instruction mode: Classroom; Saldanha, Arun, 3 cr

8290 Seminar in GIS and Cartography

(prereq instr consent)

26771 001 LEC, 04:00pm-05:00pm M, BlegH 210, instruction mode: Classroom; This seminar will expand on the successful Minnesota Solar Suitability Study started in 2013. Students will work collaboratively to examine big GIS

data, raster processing, database management, distributed computing, Lidar, web service, and web mapping. Contact the instructor for further information.; Kne, Len, 3 cr

8333 FTE: Masters

(NGA; prereq Master's student, adviser and DGS consent)

13975 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14110 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14228 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14314 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13748 001 IND, instruction mode: Classroom, 1-24 cr

8970 Directed Readings

(max crs 10; prereq dept consent)

16940 010 IND, instruction mode: Classroom; Braun, Bruce Philip, 1-5 cr
 16942 025 IND, instruction mode: Classroom; Gidwani, Vinay Krishin, 1-5 cr
 16943 030 IND, instruction mode: Classroom; Griffin, Daniel, 1-5 cr
 16944 035 IND, instruction mode: Classroom; Hart, John Fraser, 1-5 cr
 16945 040 IND, instruction mode: Classroom; Harvey, Francis, 1-5 cr
 19530 043 IND, instruction mode: Classroom; Henderson, George Lawlor, 1-5 cr
 16946 045 IND, instruction mode: Classroom; Kayzar, Brenda, 1-5 cr
 16947 050 IND, instruction mode: Classroom; Kipfmuller, Kurt, 1-5 cr
 16948 055 IND, instruction mode: Classroom; Klink, Katherine, 1-5 cr
 16949 060 IND, instruction mode: Classroom; Lindberg, Mark B, 1-5 cr
 16950 065 IND, instruction mode: Classroom; Manson, Steven M., 1-5 cr
 16951 070 IND, instruction mode: Classroom, 1-5 cr
 16952 075 IND, instruction mode: Classroom; Mc Master, Robert B, 1-5 cr
 16953 080 IND, instruction mode: Classroom; McMaster, Susanna Akiko, 1-5 cr
 16959 090 IND, instruction mode: Classroom; Saldanha, Arun, 1-5 cr
 16955 095 IND, instruction mode: Classroom; Samatar, Abdi Ismail, 1-5 cr
 16956 100 IND, instruction mode: Classroom; St. George, Scott, 1-5 cr
 16958 115 IND, instruction mode: Classroom; Squires, Roderick H, 1-5 cr

8980 Topics in Geography

(max crs 15; 10 repeats allowed; prereq instr consent)

24355 001 LEC, 02:00pm-04:30pm M, BlegH 430, instruction mode: Classroom; Griffin, Daniel, 1-3 cr; A-F; Climate Extremes and Environmental Change
 26663 002 LEC, 02:00pm-05:00pm W, NONSTD-TBA, instruction mode: Classroom; Critical Infrastructures: State, Scale and Uncertainty in Everyday Life; Derickson, Kate Driscoll, 1-3 cr

8990 Research Problems in Geography

(max crs 10; prereq dept consent)

13369 001 IND, instruction mode: Classroom, 1-5 cr
 16966 005 IND, instruction mode: Classroom; Anand, Nikhil, 1-5 cr
 16967 010 IND, instruction mode: Classroom; Braun, Bruce Philip, 1-5 cr
 16968 015 IND, instruction mode: Classroom; Derickson, Kate Driscoll, 1-5 cr
 16969 020 IND, instruction mode: Classroom, 1-5 cr
 16970 025 IND, instruction mode: Classroom; Gidwani, Vinay Krishin, 1-5 cr
 16972 030 IND, instruction mode: Classroom; , 1-5 cr

16973 035 IND, instruction mode: Classroom; Hart, John Fraser, 1-5 cr
 16974 040 IND, instruction mode: Classroom; Harvey, Francis, 1-5 cr
 19531 043 IND, instruction mode: Classroom; Henderson, George Lawlor, 1-5 cr
 16975 045 IND, instruction mode: Classroom; Kayzar, Brenda, 1-5 cr
 16976 050 IND, instruction mode: Classroom; Kipfmuller, Kurt, 1-5 cr
 16977 055 IND, instruction mode: Classroom; Klink, Katherine, 1-5 cr
 16978 060 IND, instruction mode: Classroom; Lindberg, Mark B, 1-5 cr
 16979 065 IND, instruction mode: Classroom; Manson, Steven M., 1-5 cr
 16980 070 IND, instruction mode: Classroom, 1-5 cr
 16981 075 IND, instruction mode: Classroom; Mc Master, Robert B, 1-5 cr
 16982 080 IND, instruction mode: Classroom; McMaster, Susanna Akiko, 1-5 cr
 16983 085 IND, instruction mode: Classroom; Munoz, Lorena, 1-5 cr
 16984 090 IND, instruction mode: Classroom; Saldanha, Arun, 1-5 cr
 16985 095 IND, instruction mode: Classroom; Samatar, Abdi Ismail, 1-5 cr
 16986 100 IND, instruction mode: Classroom; St. George, Scott, 1-5 cr
 16987 105 IND, instruction mode: Classroom, 1-5 cr
 16988 110 IND, instruction mode: Classroom, 1-5 cr
 16989 115 IND, instruction mode: Classroom; Squires, Roderick H, 1-5 cr
 16990 120 IND, instruction mode: Classroom, 1-5 cr
 16991 125 IND, instruction mode: Classroom, 1-5 cr
 16992 130 IND, instruction mode: Classroom, 1-5 cr

GERIATRICS (Geri)

15-209 MoosT, 515 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-9982

7100 Oral Health Services for Older Adults Seminar

13162 001 LEC, instruction mode: Classroom; MoosT 15-264; Shuman, Stephen K; Owen DDS, MS, Mary K; Ofstehage, John Charles, 2 cr

7200 Advanced Clinical Geriatric Dentistry

(max crs 10; A-F only)

13156 001 FWK, 08:00am-05:00pm MTWThF, Room TBA, TCEASTBANK, instruction mode: Classroom; To meet in 15-136 Moos Tower; Shuman, Stephen K; Ofstehage, John Charles; Owen DDS, MS, Mary K, 1-10 cr

7210 Geriatric Hospital Dentistry

(max crs 6)

13164 001 FWK, instruction mode: Classroom; VA Medical Center Mpls; Ofstehage, John Charles, 1-6 cr

GERMAN (Ger)

320 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-2080, <http://www.gsd.umn.edu>

222 Reading German

(A-F only)

17085 1001 DIS, 06:20pm-08:20pm T, FolH 119, instruction mode: Classroom, 0 cr

1001 Beginning German

11823 001 DIS, 08:00am-08:50am MTWThF, FolH 18, instruction mode: Classroom; Meets with: 17463 GER 4001, 5 cr
 11824 002 DIS, 09:05am-09:55am MTWThF, KoltH 137, instruction mode: Classroom; Meets with: 17464 GER 4001, 5 cr
 11825 003 DIS, 11:15am-12:05pm MTWThF, KoltH 137, instruction mode: Classroom; Meets with: 17465 GER 4001, 5 cr
 11826 004 DIS, 12:20pm-01:10pm MTWThF, KoltH 139, instruction mode: Classroom; Meets with: 17466 GER 4001, 5 cr
 11827 005 DIS, 02:30pm-03:20pm MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 17467 GER 4001, 5 cr
 11828 1006 DIS, 06:20pm-08:25pm MW, KoltH 139, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 17481 GER 4001, 5 cr

1002 Beginning German

(prereq 1001)

11867 001 DIS, 08:00am-08:50am MTWThF, FolH 16, instruction mode: Classroom; Meets with: 17468 GER 4002, 5 cr
 11868 002 DIS, 12:20pm-01:10pm MTWThF, FolH 16, instruction mode: Classroom; Meets with: 17469 GER 4002, 5 cr
 15038 1003 DIS, 06:20pm-08:25pm MW, FolH 18, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 17470 GER 4002, 5 cr

1003 Intermediate German

(prereq 1002 or Entrance Proficiency Test)

11869 001 DIS, 08:00am-08:50am MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 17471 GER 4003, 5 cr
 11870 002 DIS, 09:05am-09:55am MTWThF, KoltH 136, instruction mode: Partially Online; Meets with: 17472 GER 4003, 5 cr
 11871 003 DIS, 10:10am-11:00am MTWThF, FolH 18, instruction mode: Classroom; Meets with: 17473 GER 4003, 5 cr
 11872 004 DIS, 12:20pm-01:10pm MTWThF, KoltH 136, instruction mode: Partially Online; Meets with: 17474 GER 4003, 5 cr
 11873 005 DIS, 01:25pm-02:15pm MTWThF, FolH 18, instruction mode: Classroom; Meets with: 17482 GER 4003, 5 cr
 11874 1006 DIS, 06:20pm-08:25pm TTh, FolH 103, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 17483 GER 4003, 5 cr

1004 Intermediate German

(prereq 1003 or completion of Entrance Proficiency Test at 1004 level)

11875 001 DIS, 08:00am-08:50am MTWThF, KoltH 135, instruction mode: Classroom; Meets with: 17475 GER 4004, 5 cr
 11876 002 DIS, 09:05am-09:55am MTWThF, KoltH 135, instruction mode: Partially Online; Meets with: 17476 GER 4004, 5 cr
 11877 003 DIS, 10:10am-11:00am MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 17477 GER 4004, 5 cr
 14760 004 DIS, 01:25pm-02:15pm MTWThF, KoltH 135, instruction mode: Classroom; Meets with: 17478 GER 4004, 5 cr
 16883 1005 DIS, 06:20pm-08:25pm TTh, KoltH 138, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 17479 GER 4004, 5 cr

1022 Beginning German Review

(prereq Placement above 1001)

11886 001 DIS, 09:05am-09:55am MTWThF, KoltH 140, instruction mode: Classroom, 5 cr
 13884 002 DIS, 01:25pm-02:15pm MTWThF, FolH 105, instruction mode: Classroom, 5 cr

1905 Freshman Seminar

(max crs 6; A-F only; prereq Fr)

33880 1001 LEC, 04:40pm-07:10pm Th, FolH 8, instruction mode: Classroom; Morris, Leslie C, 3 cr

3011W Conversation and Composition

(prereq 1004; meets CLE req of Writing Intensive)

11900 001 DIS, 10:10am-12:05pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom, 4 cr
 11899 002 DIS, 02:30pm-04:25pm WF, FolH 5, instruction mode: Classroom, 4 cr

3014 German Media

(prereq 3011)

25385 001 DIS, 09:45am-11:00am WF, STSS 123, instruction mode: Classroom, 3 cr

3104W Reading and Analysis of German Literature

(prereq 3011; meets CLE req of Literature; meets CLE req of Writing Intensive)

13471 001 DIS, 01:00pm-02:15pm MW, NichH 315, instruction mode: Classroom, 3 cr

3431 19th-Century Literature

(prereq 3011)

33881 001 LEC, 04:00pm-05:15pm TTh, FolH 120, instruction mode: Classroom; Teraoka, Arlene A, 3 cr

3501 Contemporary Germany

(prereq 3011)

33968 001 LEC, 09:45am-11:00am TTh, FolH 107, instruction mode: Classroom, 3 cr

3701 History of the German Language

(prereq 1004)

33883 001 DIS, 11:15am-12:30pm TTh, FolH 30, instruction mode: Classroom; Meets with: 33885 GER 5711; Wakefield, Ray M, 3 cr

3993 Directed Studies

(max crs 12; 12 repeats allowed)

12235 001 IND, instruction mode: Classroom, 1-4 cr

4001 Beginning German

(prereq Grad student)

17463 001 DIS, 08:00am-08:50am MTWThF, FolH 18, instruction mode: Classroom; Meets with: 11823 GER 1001, 2 cr

17464 002 DIS, 09:05am-09:55am MTWThF, KoltH 137, instruction mode: Classroom; Meets with: 11824 GER 1001, 2 cr

17465 003 DIS, 11:15am-12:05pm MTWThF, KoltH 137, instruction mode: Classroom; Meets with: 11825 GER 1001, 2 cr

17466 004 DIS, 12:20pm-01:10pm MTWThF, KoltH 139, instruction mode: Classroom; Meets with: 11826 GER 1001, 2 cr

17467 005 DIS, 02:30pm-03:20pm MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 11827 GER 1001, 2 cr

17481 006 DIS, 06:20pm-08:25pm MW, KoltH 139, instruction mode: Classroom; Meets with: 11828 GER 1001, 2 cr

4002 Beginning German

(prereq Grad student)

17468 001 DIS, 08:00am-08:50am MTWThF, FolH 16, instruction mode: Classroom; Meets with: 11867 GER 1002, 2 cr

17469 002 DIS, 12:20pm-01:10pm MTWThF, FolH 16, instruction mode: Classroom; Meets with: 11868 GER 1002, 2 cr

17470 003 DIS, 06:20pm-08:25pm MW, FolH 18, instruction mode: Classroom; Meets with: 15038 GER 1002, 2 cr

4003 Intermediate German

(prereq Grad student)

17471 001 DIS, 08:00am-08:50am MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 11869 GER 1003, 2 cr

17472 002 DIS, 09:05am-09:55am MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 11870 GER 1003, 2 cr

17473 003 DIS, 10:10am-11:00am MTWThF, FolH 18, instruction mode: Classroom; Meets with: 11871 GER 1003, 2 cr

17474 004 DIS, 12:20pm-01:10pm MTWThF, KoltH 136, instruction mode: Partially Online; Meets with: 11872 GER 1003, 2 cr

17482 005 DIS, 01:25pm-02:15pm MTWThF, FolH 18, instruction mode: Classroom; Meets with: 11873 GER 1003, 2 cr

17483 006 DIS, 06:20pm-08:25pm TTh, FolH 103, instruction mode: Classroom; Meets with: 11874 GER 1003, 2 cr

4004 Intermediate German

(prereq Grad student)

17475 001 DIS, 08:00am-08:50am MTWThF, KoltH 135, instruction mode: Classroom; Meets with: 11875 GER 1004, 2 cr

17476 002 DIS, 09:05am-09:55am MTWThF, KoltH 135, instruction mode: Partially Online; Meets with: 11876 GER 1004, 2 cr

17477 003 DIS, 10:10am-11:00am MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 11877 GER 1004, 2 cr

17478 004 DIS, 01:25pm-02:15pm MTWThF, KoltH 135, instruction mode: Classroom; Meets with: 14760 GER 1004, 2 cr

17479 005 DIS, 06:20pm-08:25pm TTh, KoltH 138, instruction mode: Classroom; Meets with: 16883 GER 1004, 2 cr

5011 Advanced Conversation and Composition

(prereq 3012, [grad student or adv undergrad])

25390 001 DIS, 05:00pm-07:30pm TTh, FolH 107, instruction mode: Classroom; laneva-Lockney, Arsenia, 3 cr

5711 History of the German Language I

(prereq 3011)

33885 001 LEC, 11:15am-12:30pm TTh, FolH 30, instruction mode: Classroom; Undergraduates interested in this course should contact the department (gsd@umn.edu) about a permission number.; Meets with: 33883 GER 3701; Wakefield, Ray M, 3 cr

5993 Directed Studies

(max crs 12; 12 repeats allowed)

12220 001 IND, instruction mode: Classroom, 1-4 cr

8300 Topics in Literature and Cultural Theory

(max crs 18; 6 repeats allowed)

19612 001 DIS, 02:30pm-04:25pm W, AmundH 104, instruction mode: Classroom; Workman, Travis; Rothe, Matthias, 3 cr

33886 002 DIS, 10:10am-12:05pm T, FolH 112, instruction mode: Classroom; Meets with: 32838 ENGL 8090; Melin, Charlotte Ann; Philippon, Daniel J, 3 cr

8994 Directed Research

(max crs 12; 12 repeats allowed; prereq instr consent, dept consent; may be taken as tutorial with instr consent)

12293 001 IND, instruction mode: Classroom, 1-3 cr

GERMAN, SCANDINAVIAN, AND DUTCH (GSD)

320 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455

612/625-2080, <http://www.gsd.umn.edu>**3451V Honors Major Project Seminar**

(Credit will not be granted if credit has been received for: GSD 3451W; A-F only; prereq Honors student; meets CLE req of Writing Intensive; meets HON req of Honors)

14380 001 LEC, 11:15am-12:30pm MW, FolH 119, instruction mode: Classroom; Meets with: 13885 GSD 3451W; Rothe, Matthias, 3 cr

3451W Major Project Seminar

(Credit will not be granted if credit has been received for: GSD 3451V; A-F only; meets CLE req of Writing Intensive)

13885 001 LEC, 11:15am-12:30pm MW, FolH 119, instruction mode: Classroom; Meets with: 14380 GSD 3451V; Rothe, Matthias, 3 cr

3511W Vikings, Knights, and Reformers: German and European Culture and Controversies to 1700

(meets CLE req of Writing Intensive)

13911 001 LEC, 02:30pm-03:45pm TTh, NichH 110, instruction mode: Classroom; Wakefield, Ray M, 3 cr

5103 Teaching of Germanic Languages

11986 001 DIS, 02:30pm-04:25pm M, FolH 112, instruction mode: Classroom; Meets with: 12070 FRIT 5999, 11746 SPPT 5999; Menke, Mandy R, 3 cr

8001 Approaches to Textual Analysis

18889 001 LEC, 02:30pm-04:25pm T, FolH 118, instruction mode: Classroom; Morris, Leslie C, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14015 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14150 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14265 001 IND, instruction mode: Classroom, 1-6 cr

8801 Dissertation Seminar

(S-N only)

34288 001 LEC, 02:30pm-04:25pm Th, FolH 118, instruction mode: Classroom; Parente Jr, James Andrew, 3 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13781 001 IND, instruction mode: Classroom, 1-24 cr

GERONTOLOGY (Gero)**D-351 Mayo (Box 197 UMHC), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455**612/624-1185, www.coa.umn.edu**5101 Milestones in the Biology of Aging**

(prereq NIA training grant Functional Proteomics of Aging [grad student or postdoc fellow] or biology research grad student, instr consent)

20966 001 LEC, 09:05am-09:55am M, Room TBA, TCEASTBANK, instruction mode: Classroom; This course is intended to provide a platform of understanding about the major issues surrounding biological research in aging. The course will utilize original literature, including both seminal, historical background papers and the most recent progress, in the field of biogerontology research as a starting point for in-depth discussions. This course is directed to graduate students and post-doctoral fellows currently engaged in conducting research in the area of biological aging.; Ferrington, Deborah Ann, 1 cr

5105 Multidisciplinary Perspectives on Aging

22844 001 LEC, 04:40pm-07:20pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; This course will provide an overview of aging, with a specific focus on issues of older adults in America. The course will focus on various theoretical approaches to aging services and trace the evolution of public policies and legislation affecting older adults, family caregivers, and aging services providers. The course will also focus on contemporary approaches and recommendations to help older adults live not just longer but better lives.

5115 Introduction to Geriatrics (S-N)

19466 320 LEC, instruction mode: Correspondence; This on-line course provides an introduction to 18 major topics in geriatrics. It is designed to be understood by individuals trained in multiple disciplines. It offers relevant information to understand how to diagnose and treat conditions common in caring for older people. Each topic has been developed by a national expert on that subject. Each lesson has a test to assure the learner has understood the material.

5125 Gerontology Service Learning

21921 001 LEC, instruction mode: Classroom; The course combines experiential learning and service learning by integrating students into a residential community of seniors. Students will have choices of senior communities in the metro area at which to serve. The course requires at least 100 hours of service to seniors or organizations serving seniors. Students may use up to 25% of their service time for projects that benefit the campus as a whole, such as environmental improvements, assisting staff with grant writing, or campus technology enhancements. Academic requirements include reading, monthly class discussions, a term paper, and weekly self-reflections.; Ratner, Edward, 3 cr

GLOBAL STUDIES (GLOS)

214 Social Science, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455

612/624-9007, <http://igs.cla.umn.edu>**1015W Globalization: Issues and Challenges**

(Credit will not be granted if credit has been received for: GLOS 1015W, HIST 1015W, HIST 1015V, HIST 1019; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

001 LEC, 11:15am-12:05pm MWF, BlegH 10, instruction mode: Classroom; Meets with: 23874 HIST 1015W; Wolfe, Thomas C; Isett, Christopher Mills
24001 002 DIS, 12:20pm-01:10pm M, BlegH 330, instruction mode: Classroom; Meets with: 23875 HIST 1015W; , 4 cr
24002 003 DIS, 10:10am-11:00am T, BlegH 225, instruction mode: Classroom; Meets with: 23876 HIST 1015W; , 4 cr
24003 004 DIS, 12:20pm-01:10pm W, BlegH 335, instruction mode: Classroom; Meets with: 23877 HIST 1015W; , 4 cr
24004 005 DIS, 11:15am-12:05pm Th, BlegH 105, instruction mode: Classroom; Meets with: 23878 HIST 1015W; , 4 cr**1905 Freshman Seminar**

(A-F only; prereq freshman)

33975 001 LEC, 01:25pm-03:45pm M, HHHctr 184, instruction mode: Classroom; Seminar Title: Civil Disobedience: From Gandhi to Ferguson; Skaria, Ajay, 3 cr

3144 Knowledge, Power, and the Politics of Representation in Global Studies

(Credit will not be granted if credit has been received for: GLOS 3144H; prereq 6 cr. of approved preparatory coursework [recommended GLOS 1015W or 1112])

001 LEC, 10:10am-11:00am MW, AndH 210, instruction mode: Classroom; Meets with: 15801 GLOS 3144H; Viestenz, William R

15042 002 DIS, 10:10am-11:00am F, BlegH 260, instruction mode: Classroom; 20 seats reserved for Global Studies major or minor, 4 cr

15043 003 DIS, 10:10am-11:00am F, BlegH 115, instruction mode: Classroom; 20 seats reserved for Global Studies major or minor, 4 cr

15044 004 DIS, 10:10am-11:00am F, BlegH 210, instruction mode: Classroom; This section will be offered in Spanish. Entry by permission only. Please contact the Global Studies adviser at glosuga@umn.edu for more information and/or for a permission number.; 15 seats reserved for Span 3015 or 3015H; Meets with: 26816 GLOS 3144H, 4 cr

19662 005 DIS, 11:15am-12:05pm F, BlegH 115, instruction mode: Classroom; 20 seats reserved for Global Studies major or minor, 4 cr

15045 006 DIS, 11:15am-12:05pm F, BlegH 105, instruction mode: Classroom; 20 seats reserved for Global Studies major or minor, 4 cr

3144H Honors: Knowledge, Power, and the Politics of Representation in Global Studies

(Credit will not be granted if credit has been received for: GLOS 3144; A-F; prereq 6 cr. of approved preparatory coursework [recommended GLOS 1015W or GLOS 1112], Honors; meets HON req of Honors)

001 LEC, 10:10am-11:00am MW, AndH 210, instruction mode: Classroom; Meets with: 12032 GLOS 3144; Viestenz, William R

15802 002 DIS, 10:10am-11:00am F, SocSci 278, instruction mode: Classroom; 10 seats reserved for Global Studies major or minor; Viestenz, William R, 4 cr

26816 003 DIS, 10:10am-11:00am F, BlegH 210, instruction mode: Classroom; This section will be offered in Spanish. Entry by permission only. Please contact the Global Studies adviser at glosuga@umn.edu for more information and/or for a permission number.; 5 seats reserved for Span 3015 or 3015H; Meets with: 15044 GLOS 3144, 4 cr

3401W International Human Rights Law

(A-F only; prereq [3145, 3144] or instr consent; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

15537 001 LEC, 11:15am-12:05pm MWF, BlegH 125, instruction mode: Classroom; Frey, Barbara A, 3 cr

3415W Global Institutions of Power: World Bank, International Monetary Fund, and World Trade Organization

(Credit will not be granted if credit has been received for: SOC 3417W; A-F; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

34993 001 LEC, 11:15am-12:30pm TTh, BlegH 120, instruction mode: Classroom; Goldman, Michael R, 3 cr

3550W Honors Course: Supervised Research Paper

(A-F; prereq dept consent; meets CLE req of Writing Intensive; meets HON req of Honors)

21506 001 LEC, 04:00pm-06:30pm T, BlegH 430, instruction mode: Classroom; Meets with: 21504 GLOS 3981W, 4 cr

3602 Other Worlds: Globalization and Culture

(A-F only; prereq [3101, 3144] or instr consent)

24022 001 LEC, 02:30pm-03:45pm TTh, BlegH 125, instruction mode: Classroom; McLean, Stuart J, 3 cr

3613V Honors: Stuffed and Starved: The Politics of Eating

(Credit will not be granted if credit has been received for: GLOS 3613W, SOC 3613W, SOC 3613V; A-F; meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive; meets HON req of Honors)

34294 001 LEC, 09:45am-11:00am MW, BlegH 120, instruction mode: Classroom; Meets with: 34293 GLOS 3613W, 23900 SOC 3613W, 26140 SOC 3613V; Schurman, Rachel, 3 cr

3613W Stuffed and Starved: The Politics of Eating

(Credit will not be granted if credit has been received for: SOC 3613W, SOC 3613V, GLOS 3613V; A-F; meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive)

34293 001 LEC, 09:45am-11:00am MW, BlegH 120, instruction mode: Classroom; Meets with: 34294 GLOS 3613V, 23900 SOC 3613W, 26140 SOC 3613V; Schurman, Rachel, 3 cr

3701W Population in an Interacting World (meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive)

17241 001 LEC, 11:15am-12:30pm TTh, BlegH 10, instruction mode: Classroom; Meets with: 15507 GEOG 3381W, 4 cr

3900 Topics in Global Studies

(max crs 15; 3 repeats allowed)

24138 1001 LEC, 05:30pm-08:00pm Th, BlegH 135, instruction mode: Classroom; Topic Title: Ways of Knowing in Global Studies; Wolfe, Thomas C; Goldman, Michael R, 3 cr

33976 002 LEC, instruction mode: Classroom; Topic Title: New Global Economy, 3 cr

3921 Europe: A Geographic Perspective

(Credit will not be granted if credit has been received for: GEOG 3161; meets CLE req of Global Perspectives)

24345 001 DIS, 01:00pm-02:15pm MW, BlegH 220, instruction mode: Classroom; Meets with: 24341 GEOG 3161; Saldanha, Arun, 3 cr

3961 Culture and Society of India

(Credit will not be granted if credit has been received for: ANTH 3023, ALL 3676; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

21814 001 LEC, 02:30pm-05:00pm W, BlegH 335, instruction mode: Classroom; Meets with: 20598 ANTH 3023; Raheja, Gloria Goodwin, 3 cr

3981W Major Project Seminar

(A-F only; prereq dept consent; meets CLE req of Writing Intensive)

21504 001 LEC, 04:00pm-06:30pm T, BlegH 430, instruction mode: Classroom; Meets with: 21506 GLOS 3550V, 3 cr

3993 Directed Study

(max crs 12; 12 repeats allowed)

21505 001 IND, instruction mode: Classroom, 1-5 cr

4104 Crime and Human Rights

(Credit will not be granted if credit has been received for: SOC 4104, GLOS 4104H, SOC 4104H; prereq SOC 1001, at least one 3xxx SOC or GLOS course recommended)

26181 001 LEC, 02:30pm-03:45pm TTh, BlegH 255, instruction mode: Classroom; Meets with: 26284 GLOS 4104H, 25749 SOC 4104, 26298 SOC 4104H; Savelsberg, Joachim J, 3 cr

4104H Honors: Crime & Human Rights

(Credit will not be granted if credit has been received for: SOC 4104, GLOS 4104, SOC 4104H; A-F; prereq At least one 3xxx SOC or GLOS course recommended; meets HON req of Honors)

26284 001 LEC, 02:30pm-03:45pm TTh, BlegH 255, instruction mode: Classroom; Meets with: 26181 GLOS 4104, 25749 SOC 4104, 26298 SOC 4104H; Savelsberg, Joachim J, 3 cr

4305 Environment & Society: An Enduring Conflict

(Credit will not be granted if credit has been received for: SOC 4305; A-F only; prereq SOC 1001 or environmental course or instr consent; meets CLE req of Environment)

25616 001 LEC, 01:00pm-02:15pm MW, BlegH 205, instruction mode: Classroom; Meets with: 25585 SOC 4305; Broadbent, Jeffrey Praed, 3 cr

5993 Directed Studies

(max crs 12; 12 repeats allowed; prereq instr consent, dept consent, college consent)

12939 001 IND, instruction mode: Classroom, 1-4 cr

GRADUATE SCHOOL (Grad)

316 Johnston Hall, 101 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-3490

999 Graduate School Active Status

(90 repeats allowed; NGA; prereq Grad student)

15296 001 IND, instruction mode: Classroom, 0 cr

5102 Preparation for University Teaching for Nonnative English Speakers

(S-N; prereq English Language Proficiency Rating of 4, current or anticipated TA assignment, instr consent)

1001 LEC, 04:40pm-05:30pm M, KHKH 2-260, instruction mode: Classroom; Beers, Barbara Lee; Stetsenko, Elena V.

002 LEC, 01:25pm-02:15pm T, STSS 420A, instruction mode: Classroom; Beers, Barbara Lee; Stetsenko, Elena V.

25916 003 LAB, 10:10am-11:00am W, 2221UnivAv 400, instruction mode: Classroom; Stetsenko, Elena V.; Beers, Barbara Lee, 2 cr

25917 004 LAB, 11:15am-12:05pm W, 2221UnivAv 400, instruction mode: Classroom; Stetsenko, Elena V.; Beers, Barbara Lee, 2 cr

25918 005 LAB, 01:25pm-02:15pm W, 2221UnivAv 400, instruction mode: Classroom; Stetsenko, Elena V.; Beers, Barbara Lee, 2 cr

25920 006 LAB, 09:05am-09:55am Th, 2221UnivAv 400, instruction mode: Classroom; Stetsenko, Elena V.; Beers, Barbara Lee, 2 cr

25921 007 LAB, 10:10am-11:00am Th, 2221UnivAv 400, instruction mode: Classroom; Stetsenko, Elena V.; Beers, Barbara Lee, 2 cr

25923 008 LAB, 12:20pm-01:10pm Th, 2221UnivAv 400, instruction mode: Classroom; Stetsenko, Elena V.; Beers, Barbara Lee, 2 cr

25924 009 LAB, 01:25pm-02:15pm Th, 2221UnivAv 400, instruction mode: Classroom; Stetsenko, Elena V.; Beers, Barbara Lee, 2 cr

25926 010 LAB, 09:05am-09:55am F, 2221UnivAv 400, instruction mode: Classroom; Stetsenko, Elena V.; Beers, Barbara Lee, 2 cr

25927 011 LAB, 10:10am-11:00am F, 2221UnivAv 400, instruction mode: Classroom; Stetsenko, Elena V.; Beers, Barbara Lee, 2 cr

25929 012 LAB, 12:20pm-01:10pm F, 2221UnivAv 400, instruction mode: Classroom; Stetsenko, Elena V.; Beers, Barbara Lee, 2 cr

5105 Practicum in University Teaching for Nonnative English Speakers

(S-N only; prereq [5102 or English Language Proficiency Rating of 2 or 3], [current or anticipated TA assignment])

1001 LEC, 04:40pm-05:30pm T, STSS 432B, instruction mode: Classroom; Prereq ELP of 2 PLEASE SIGN UP FOR THE SAME INSTRUCTOR FOR LEC AND LAB COMPONENTS. If this is not possible, please contact the instructor.; Toscano, Caroline Frances

25949 002 LAB, 09:05am-09:55am M, 2221UnivAv 400, instruction mode: Classroom; Toscano, Caroline Frances, 2 cr

25950 003 LAB, 01:25pm-02:15pm M, 2221UnivAv 400, instruction mode: Classroom; Toscano, Caroline Frances, 2 cr

25962 004 LAB, 02:30pm-03:20pm M, 2221UnivAv 400, instruction mode: Classroom; Toscano, Caroline Frances, 2 cr

25963 005 LAB, 09:05am-09:55am T, 2221UnivAv 400, instruction mode: Classroom; Toscano, Caroline Frances, 2 cr

25964 006 LAB, 01:25pm-02:15pm T, 2221UnivAv 400, instruction mode: Classroom; Toscano, Caroline Frances, 2 cr

25965 007 LAB, 09:05am-09:55am W, 2221UnivAv 400, instruction mode: Classroom; Toscano, Caroline Frances, 2 cr

1009 LEC, 04:40pm-05:30pm Th, KHKH 2-260, instruction mode: Classroom; Prereq ELP of 2 PLEASE SIGN UP FOR THE SAME INSTRUCTOR FOR LEC AND LAB COMPONENTS. If this is not possible, please contact the instructor.; Meyers, Colleen Marie

25968 010 LAB, 10:10am-11:00am M, 2221UnivAv 400, instruction mode: Classroom; Meyers, Colleen Marie, 2 cr

25969 011 LAB, 11:15am-12:05pm M, 2221UnivAv 400, instruction mode: Classroom; Meyers, Colleen Marie, 2 cr

25970 012 LAB, 03:35pm-04:25pm M, 2221UnivAv 400, instruction mode: Classroom; Meyers, Colleen Marie, 2 cr

25971 013 LAB, 10:10am-11:00am T, 2221UnivAv 400, instruction mode: Classroom; Meyers, Colleen Marie, 2 cr

25972 014 LAB, 02:30pm-03:20pm T, 2221UnivAv 400, instruction mode: Classroom; Meyers, Colleen Marie, 2 cr

25973 015 LAB, 12:20pm-01:10pm W, 2221UnivAv 400, instruction mode: Classroom; Meyers, Colleen Marie, 2 cr

017 LEC, 11:15am-12:05pm W, ScottH 4, instruction mode: Classroom; Prereq ELP of 3 (50 SPEAK) or ELP of 2 (successful completion of GRAD 5102) PLEASE SIGN UP FOR THE SAME INSTRUCTOR FOR LEC AND LAB COMPONENTS. If this is not possible, please contact the instructor.; Martin, Kate

25974 018 LAB, 12:20pm-01:10pm M, 2221UnivAv 400, instruction mode: Classroom; Martin, Kate, 2 cr

25975 019 LAB, 12:20pm-01:10pm T, 2221UnivAv 400, instruction mode: Classroom; Martin, Kate, 2 cr
25976 020 LAB, 03:35pm-04:25pm T, 2221UnivAv 400, instruction mode: Classroom; Martin, Kate, 2 cr

8101 Teaching in Higher Education

(OPN; prereq Non-Degree students: contact pffcollege consent umn.edu with questions about registration. Adding a section after the first class meeting? Contact your instructors as soon as you enroll.)

18133 001 LEC, 12:50pm-03:50pm M, McNH 146, STPAUL, 12:50pm-03:50pm Th, McNH 395, STPAUL, instruction mode: Classroom; This class meets for the first 7 weeks of the semester, Mondays: Sept. 8, 15, 22, 29; Oct. 6, 13, 20; and Thursdays: Sept 4, 11, 18, 25; Oct. 2, 9, 16, 23. If you are interested in enrolling and the course or wait list shows "closed," please email the instructor. Non-degree students: see the PFF courses page for registration information. If you're enrolling after the first class session, contact your instructor as soon as you enroll.; Wingert, Deborah Ann, 3 cr

18134 002 LEC, 02:25pm-05:25pm W, AmundH 120, instruction mode: Classroom; If you are interested in enrolling and the course or wait list shows "closed," please email the instructor. Non-degree students: see the PFF courses page for registration information. If you're enrolling after the first class session, contact your instructor as soon as you enroll.; Ching, Paul, 3 cr

18135 003 LEC, 04:00pm-07:00pm Th, BlegH 430, instruction mode: Classroom; If you are interested in enrolling and the course or wait list shows "closed," please email the instructor. Non-degree students: see the PFF courses page for registration information. If you're enrolling after the first class session, contact your instructor as soon as you enroll.; Gonzalez, Anita, 3 cr

18136 004 LEC, 09:05am-12:05pm F, STSS 420A, instruction mode: Classroom; If you are interested in enrolling and the course or wait list shows "closed," please email the instructor. Non-degree students: see the PFF courses page for registration information. If you're enrolling after the first class session, contact your instructor as soon as you enroll.; Alexander, Ilene Dawn, 3 cr

8200 Teaching and Learning Topics in Higher Education

(max crs 4; 4 repeats allowed; A-F)

23694 002 LEC, 02:30pm-05:30pm T, . ROOM-TBA, instruction mode: Classroom; Course topic: Practicum for Future Faculty. Prerequisite: GRAD 8101 or instructor approval. Contact pff@umn.edu for permission number. See the PFF mentoring page to begin planning your mentorship before the course begins.; Rozaitis, Bill, 1 cr

GRAPHIC DESIGN (GDes)

240 McNeal Hall, 1985 Buford Ave, St. Paul Campus, St. Paul, MN, 55108
612/624-9700, <http://dha.design.umn.edu>

1311 Foundations: Drawing and Design in Two and Three Dimensions

(A-F only; prereq [Apparel design or graphic design or interior design] pre-major; credit will not be granted if credit already received for: DHA 1311)

12622 001 LAB, 08:30am-11:30am MW, McNH 258, STPAUL, instruction mode: Classroom; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; , 4 cr
15674 002 LAB, 11:45am-02:45pm MW, McNH 258, STPAUL, instruction mode: Classroom; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; Boyd Brent, James W, 4 cr

15675 003 LAB, 11:45am-02:45pm TTh, McNH 258, STPAUL, instruction mode: Classroom; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; , 4 cr
31604 004 LAB, 06:15pm-09:15pm TTh, McNH 258, STPAUL, instruction mode: Classroom; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015, 4 cr

1312 Foundations: Color and Design in Two and Three Dimensions

(A-F only; prereq [Apparel design or graphic design or interior design] pre-major; credit will not be granted if credit already received for: DHA 1312)

12623 001 LAB, 11:45am-02:45pm W, McNH 262, STPAUL, instruction mode: Partially Online; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015, 4 cr
14583 002 LAB, 03:00pm-06:00pm W, McNH 262, STPAUL, instruction mode: Partially Online; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015, 4 cr

1315 Foundations: The Graphic Studio

(A-F only; prereq Graphic design premajor design minor or instr consent; credit will not be granted if credit already received for: DHA 1315)

12624 001 LAB, 03:00pm-06:00pm TTh, McNH 10, STPAUL, instruction mode: Classroom; Only if you are unable to add your name to the online waitlist, please email cdespn@umn.edu; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; 17 seats reserved for DHA: Graphic Design Pre-mjr - EXPIRES 04-SEP-2015; Jasper, Daniel, 4 cr

2196 Work Experience in Graphic Design (max crs 8; S-N; prereq Plan submitted/approved by [adviser, internship supervisor], written approval of supervisor, instr consent)

20456 001 FWK, instruction mode: Independent/Directed Studies; Boyd Brent, James W, 1-4 cr
20457 002 FWK, instruction mode: Independent/Directed Studies; Chu, Sauman, 1-4 cr
20458 003 FWK, instruction mode: Independent/Directed Studies; Hokanson, Brad, 1-4 cr
20459 004 FWK, instruction mode: Independent/Directed Studies; Jasper, Daniel, 1-4 cr
20460 005 FWK, instruction mode: Independent/Directed Studies, 1-4 cr
20461 006 FWK, instruction mode: Independent/Directed Studies; McCarthy, Steven J, 1-4 cr
20462 007 FWK, instruction mode: Independent/Directed Studies; Waldron, Carol C, 1-4 cr
25517 008 FWK, instruction mode: Independent/Directed Studies; Park, Eugene B, 1-4 cr

2342 Web Design

(A-F only; prereq 1311, 1312, 1315, [[GDes major or pre-major], semester of portfolio review] or design minor)

22311 001 LAB, 08:30am-10:40am MW, McNH 316, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu.; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; 15 seats reserved for Graphic design major or premaj - EXPIRES 04-SEP-2015, 3 cr
22312 002 LAB, 06:15pm-08:25pm TTh, McNH 316, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu.; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; 15 seats reserved for Graphic design major or premaj - EXPIRES 04-SEP-2015, 3 cr

2345 Typography

(A-F only; prereq 1311, 1312, 1315, DES 1101, [graphic design major or premajor or design minor]; credit will not be granted if credit already received for: DHA 2345)

12627 001 LAB, 11:45am-02:45pm MW, McNH 336, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu.; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; 18 seats reserved for Graphic design major or premaj - EXPIRES 04-SEP-2015, 4 cr
23993 002 LAB, 03:00pm-06:00pm MW, McNH 336, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu.; 18 seats reserved for Graphic design major or premaj - EXPIRES 04-SEP-2015; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015, 4 cr

2361 Design Process: Photography

(A-F only; prereq [1311 or DHA 1311], [1312 or DHA 1312], [graphic design major or grad student or design minor or instr consent]; credit will not be granted if credit already received for: DHA 4351)

17389 001 LAB, 08:30am-02:00pm F, McNH 336, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu.; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; 15 seats reserved for Graphic Design Major or Grad S - EXPIRES 04-SEP-2015, 3 cr

2399W Design and its Discontents: Design, Society, Economy and Culture

(A-F; meets CLE req of Writing Intensive)
22304 001 LEC, 11:45am-01:00pm TTh, McNH 10, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email

cdespn@umn.edu.; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; 30 seats reserved for Graphic design major or premaj - EXPIRES 04-SEP-2015, 3 cr

3312 Color and Form in Surface Design

(A-F only; prereq [1311 or DHA 1311], [1312 or DHA 1312], [graphic design or apparel design or design minor or instr consent]; credit will not be granted if credit already received for: DHA 3312)

12756 001 LAB, 08:30am-11:30am MW, McNH B9, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu.; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; 17 seats reserved for Graphic Design or Apparel Desi - EXPIRES 04-SEP-2015; Boyd Brent, James W, 4 cr

3351 Text and Image

(A-F only; prereq [2345 or DHA 2345], graphic design major, pass portfolio review; credit will not be granted if credit already received for: DHA 2351)

12755 001 LAB, 08:30am-10:40am TTh, McNH 316, STPAUL, instruction mode: Classroom; Only if you are unable to add your name to the online waitlist, please email cdespn@umn.edu; 3 seats reserved for GDES Degree in 3 students; Jasper, Daniel, 3 cr
25551 002 LAB, 03:00pm-05:10pm TTh, McNH 316, STPAUL, instruction mode: Classroom; 6 seats reserved for GDES Degree in 3 students; McCarthy, Steven J, 3 cr

3352 Identity and Symbols

(A-F only; prereq [2345 or DHA 2345], GDES 3351, pass portfolio review, graphic design major; credit will not be granted if credit already received for:

21348 001 LAB, 11:45am-01:55pm MW, McNH 316, STPAUL, instruction mode: Classroom; Only if you are unable to add your name to the online waitlist, please email cdespn@umn.edu; Martinson, Barbara Elizabeth, 3 cr

3353 Packaging and Display

(A-F only; prereq [2345 or DHA 2345], 3351, graphic design major, pass portfolio review; credit will not be granted if credit already received for: DHA 3353)

21349 001 LAB, 03:00pm-05:10pm MW, McNH 316, STPAUL, instruction mode: Classroom; Only if you are unable to add your name to the online waitlist, please email cdespn@umn.edu, 3 cr
25194 002 LAB, 03:00pm-05:10pm MW, . ROOM-TBA, STPAUL, instruction mode: Classroom, 3 cr

4131W History of Graphic Design

(A-F only; prereq Intro history or art history course; credit will not be granted if credit already received for: DHA 4131W; meets CLE req of Writing Intensive)

13322 001 LEC, 09:35am-11:30am MW, McNH 333, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu.; 3 seats reserved for Design minor - EXPIRES 04-SEP-2015; 8 seats reserved for GDES Degree in 3 students - EXPIRES 04-SEP-2015; Martinson, Barbara Elizabeth, 4 cr

4160H Honors Capstone Project

(max crs 4; A-F; prereq Graphic design honors; meets HON req of Honors)

20532 001 LEC, instruction mode: Classroom, 2 cr
20534 002 LEC, instruction mode: Classroom; Chu, Sauman, 2 cr
20535 003 LEC, instruction mode: Classroom; Hokanson, Brad, 2 cr
20536 004 LEC, instruction mode: Classroom; Jasper, Daniel, 2 cr
20537 005 LEC, instruction mode: Classroom; Martinson, Barbara Elizabeth, 2 cr
20538 006 LEC, instruction mode: Classroom; McCarthy, Steven J, 2 cr
20539 007 LEC, instruction mode: Classroom; Waldron, Carol C, 2 cr

4193 Directed Study in Graphic Design

(max crs 8; A-F only; prereq Undergrad, instr consent)

20463 001 IND, instruction mode: Independent/Directed Studies; Boyd Brent, James W, 1-4 cr
20464 002 IND, instruction mode: Independent/Directed Studies; Chu, Sauman, 1-4 cr
20465 003 IND, instruction mode: Independent/Directed Studies; Hokanson, Brad, 1-4 cr
20466 004 IND, instruction mode: Independent/Directed Studies; Jasper, Daniel, 1-4 cr
20467 005 IND, instruction mode: Independent/Directed Studies; Martinson, Barbara Elizabeth, 1-4 cr
20468 006 IND, instruction mode: Independent/Directed Studies; McCarthy, Steven J, 1-4 cr
20469 007 IND, instruction mode: Independent/Directed Studies; Waldron, Carol C, 1-4 cr

25519 008 IND, instruction mode: Independent/Directed
Studies; Park, Eugene B, 1-4 cr

4196 Internship in Graphic Design

(Credit will not be granted if credit has been received for: ADES 4196, HSG 4196; max crs 3; S-N only; prereq Completion of at least one-half of professional sequence, plan submitted/approved in advance by [adviser, internship supervisor], written consent of faculty supervisor, instr consent; credit will not be granted if credit already received for: DHA 4196)

20470 001 FWK, instruction mode: Independent/Directed
Studies; Boyd Brent, James W, 1-3 cr

20471 002 FWK, instruction mode: Independent/Directed
Studies; Chu, Sauman, 1-3 cr

20472 003 FWK, instruction mode: Independent/Directed
Studies; Hokanson, Brad, 1-3 cr

20473 004 FWK, instruction mode: Independent/Directed
Studies; Jasper, Daniel, 1-3 cr

20474 005 FWK, instruction mode: Independent/Directed
Studies; Martinson, Barbara Elizabeth, 1-3 cr

20475 006 FWK, instruction mode: Independent/Directed
Studies; McCarthy, Steven J, 1-3 cr

20476 007 FWK, instruction mode: Independent/Directed
Studies; Waldron, Carol C, 1-3 cr

25520 008 FWK, instruction mode: Independent/Directed
Studies; Park, Eugene B, 1-3 cr

4343 Data Visualization I: Mapping Information

(A-F; prereq 2345, 3351, [Design minors required to take 2345])

25565 001 LAB, 08:30am-10:40am MW, McNH 310,
STPAUL, instruction mode: Classroom; Park, Eugene B, 3
cr

4345 Advanced Typography

(A-F only; prereq [[2345 or DHA 2345], 3351, graphic design major] or design grad student or instr consent; credit will not be granted if credit already received for: DHA 4345)

12040 001 LAB, 08:30am-11:30am TTh, McNH 336,
STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; Waldron, Carol C, 4 cr

4361W Thesis Studio and Writing

(max crs 4; A-F; prereq [Graphic design major, 2399W, 3352, 3353] or instr consent; meets CLE req of Writing Intensive)

23782 001 LAB, 11:45am-01:00pm TTh, McNH 250,
STPAUL, instruction mode: Classroom; McCarthy, Steven J, 3 cr

4362 Senior Thesis and Exhibition

(max crs 4; A-F; prereq 4361W, graphic design major, sr standing)

23783 001 LAB, 03:00pm-06:00pm MWF, McNH 310,
STPAUL, instruction mode: Classroom; Jasper, Daniel, 3 cr

4363 Graphic Design Portfolio

(S-N; prereq 4361W, graphic design major; credit will not be granted if credit already received for: DHA 4355)

31558 1001 LAB, 06:15pm-08:25pm MW, McNH 395,
STPAUL, instruction mode: Classroom, 3 cr

5193 Directed Study in Graphic Design

(max crs 8; A-F only; prereq Jr or sr or grad student)

20375 001 IND, instruction mode: Independent/Directed
Studies; Boyd Brent, James W, 1-4 cr

20376 002 IND, instruction mode: Independent/Directed
Studies; Chu, Sauman, 1-4 cr

20377 003 IND, instruction mode: Independent/Directed
Studies; Hokanson, Brad, 1-4 cr

20378 004 IND, instruction mode: Independent/Directed
Studies; Jasper, Daniel, 1-4 cr

20379 005 IND, instruction mode: Independent/Directed
Studies; Martinson, Barbara Elizabeth, 1-4 cr

20380 006 IND, instruction mode: Independent/Directed
Studies; McCarthy, Steven J, 1-4 cr

20381 007 IND, instruction mode: Independent/Directed
Studies; Waldron, Carol C, 1-4 cr

25522 008 IND, instruction mode: Independent/Directed
Studies; Park, Eugene B, 1-4 cr

5341 Interactive Design

(Credit will not be granted if credit has been received for: DHA 4384; A-F only; prereq [[2334 or 2342], design minor] or graphic design major or grad student or instr consent; credit will not be granted if credit already received for: 5341)

17284 1001 LAB, 06:15pm-08:25pm TTh, McNH 310,
STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu.; 3 seats reserved for Design Minor,

GDes 2334 or GDe - EXPIRES 04-SEP-2015; 15 seats reserved for Graphic Design Major or Grad S - EXPIRES 04-SEP-2015, 3 cr

5342 Web and Interface Design

(A-F only; prereq [[2334 or 2342], design minor] or graphic design major or grad student or instr consent; credit will not be granted if credit already received for: DHA 5342)

22305 001 LAB, 11:45am-01:55pm MW, McNH 310,
STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu.; 17 seats reserved for Graphic Design Major or Grad S - EXPIRES 04-SEP-2015; 3 seats reserved for Design Minor, GDes 2334 or GDe - EXPIRES 04-SEP-2015; Park, Eugene B, 3 cr

5383 Digital Illustration and Animation

(A-F only; prereq [[2334 or 2342], design minor] or [[4384 or DHA 4384 or 5341 or DHA 5341], [graphic design major or [grad student, experience with computer illustration]]] or instr consent; credit will not be granted if credit already received for: DHA 5383)

31559 001 LAB, 08:30am-10:40am TTh, McNH 310,
STPAUL, instruction mode: Classroom; 15 seats reserved for DHA 4384 or GDES 5341, Graphic - EXPIRES 04-SEP-2015; 3 seats reserved for Design Minor, GDes 2334 or GDe - EXPIRES 04-SEP-2015; Chu, Sauman, 3 cr

5399 Theory of Electronic Design

(A-F only; prereq Graphic design track student or instr consent)

31560 001 LEC W, McNH 250, instruction mode: Classroom,
3 cr

8192 Readings in Graphic Design

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)

20382 001 IND, instruction mode: Classroom; Boyd Brent,
James W, 1-3 cr

20383 002 IND, instruction mode: Classroom; Chu, Sauman,
1-3 cr

20384 003 IND, instruction mode: Classroom; Hokanson,
Brad, 1-3 cr

20385 004 IND, instruction mode: Classroom; Jasper, Daniel,
1-3 cr

20386 005 IND, instruction mode: Classroom; Martinson,
Barbara Elizabeth, 1-3 cr

20387 006 IND, instruction mode: Classroom; McCarthy,
Steven J, 1-3 cr

20388 007 IND, instruction mode: Classroom; Waldron, Carol
C, 1-3 cr

25524 008 IND, instruction mode: Classroom; Park, Eugene
B, 1-3 cr

8193 Directed Study

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)

20389 001 IND, instruction mode: Classroom; Boyd Brent,
James W, 1-3 cr

20390 002 IND, instruction mode: Classroom; Chu, Sauman,
1-3 cr

20391 003 IND, instruction mode: Classroom; Hokanson,
Brad, 1-3 cr

20392 004 IND, instruction mode: Classroom; Jasper, Daniel,
1-3 cr

20393 005 IND, instruction mode: Classroom; Martinson,
Barbara Elizabeth, 1-3 cr

20394 006 IND, instruction mode: Classroom; McCarthy,
Steven J, 1-3 cr

20395 007 IND, instruction mode: Classroom; Waldron, Carol
C, 1-3 cr

25525 008 IND, instruction mode: Classroom; Park, Eugene
B, 1-3 cr

8222 Plan B Master's Project

(S-N only; prereq [Design or DHA master's student], instr consent)

20396 001 IND, instruction mode: Classroom; Boyd Brent,
James W, 3 cr

20397 002 IND, instruction mode: Classroom; Chu, Sauman,
3 cr

20398 003 IND, instruction mode: Classroom; Hokanson,
Brad, 3 cr

20399 004 IND, instruction mode: Classroom; Jasper, Daniel,
3 cr

20400 005 IND, instruction mode: Classroom; Martinson,
Barbara Elizabeth, 3 cr

20401 006 IND, instruction mode: Classroom; McCarthy,
Steven J, 3 cr

20402 007 IND, instruction mode: Classroom; Waldron, Carol
C, 3 cr

25526 008 IND, instruction mode: Classroom; Park, Eugene
B, 3 cr

8990 MFA Creative Thesis

(max crs 12; A-F only; prereq Completed coursework requirements for MFA in DHA w/multimedia emphasis, instr consent; credit will not be granted if credit already received for: DHA 8990)

20368 001 IND, instruction mode: Classroom; Boyd Brent,
James W, 6 cr

20369 002 IND, instruction mode: Classroom; Chu, Sauman,
6 cr

20370 003 IND, instruction mode: Classroom; Hokanson,
Brad, 6 cr

20371 004 IND, instruction mode: Classroom; Jasper, Daniel,
6 cr

20372 005 IND, instruction mode: Classroom; Martinson,
Barbara Elizabeth, 6 cr

20373 006 IND, instruction mode: Classroom; McCarthy,
Steven J, 6 cr

20374 007 IND, instruction mode: Classroom; Waldron, Carol
C, 6 cr

25527 008 IND, instruction mode: Classroom; Park, Eugene
B, 6 cr

GREEK (Grk)

245 Nicholson Hall, 216 Pillsbury Drive S E,
East Bank Campus, Minneapolis, MN, 55455
612/625-5353, <http://cnes.cla.umn.edu>

1001 Beginning Classical Greek I

15522 001 LEC, 11:15am-12:05pm MTWThF, SmithH 121,
instruction mode: Classroom; If you have taken Greek before, but not at the University of Minnesota, please contact Prof. Stephen Smith (smith504@umn.edu) to find out whether this is the right course for you.; 5 seats reserved for Freshman and FRFY for Freshman, 5 cr

3003 Intermediate Greek Prose

(Credit will not be granted if credit has been received for: GRK 5003; prereq Grade of at least C- or S in 1002 or 5001 or instr consent; credit will not be granted if credit already received for: Grk 3113)

11935 001 LEC, 01:25pm-02:15pm MTWTh, SmithH 121,
instruction mode: Classroom; If you have taken Greek before, but not at the University of Minnesota, please contact Prof. Stephen Smith (smith504@umn.edu) to find out whether this is the right course for you.; Meets with: 19147 GRK 5003; Olson, S. Douglas, 4 cr

3993 Directed Studies

(max crs 4; prereq instr consent)

18153 001 IND, instruction mode: Classroom, 1-4 cr

22979 002 IND, instruction mode: Classroom; Olson, S.
Douglas, 1-4 cr

22980 003 IND, instruction mode: Classroom; Sheets, George
A, 1-4 cr

22981 004 IND, instruction mode: Classroom; Gallia, Andrew
B, 1-4 cr

22982 005 IND, instruction mode: Classroom; Cole, Spencer
E, 1-4 cr

22983 006 IND, instruction mode: Classroom; Sellw, Philip,
1-4 cr

22984 007 IND, instruction mode: Classroom; Krevans, Nita,
1-4 cr

4951W Major Project

(A-F; prereq Greek major, three 3xxx Greek courses, instr consent, dept consent; credit will not be granted if credit already received for: Grk 3951W; meets CLE req of Writing Intensive)

18152 001 IND, instruction mode: Classroom, 4 cr

5003 Intermediate Greek Prose: Graduate Student Enrollment

(Credit will not be granted if credit has been received for: GRK 3003; prereq Grade of at least [C- or S] in [1002 or 5001] or [instr consent, grad student]; credit will not be granted if credit already received for: Grk 3113)

19147 001 LEC, 01:25pm-02:15pm MTWTh, SmithH 121,
instruction mode: Classroom; Meets with: 11935 GRK
3003; Olson, S. Douglas, 3 cr

5100 Advanced Reading

(max crs 18; 6 repeats allowed; prereq [GRK 3004 or equiv], at least two yrs of college level Greek. Must contact Classical and Near Eastern Studies department for permission to register.)

34253 001 LEC, 09:45am-11:00am TTh, CivE 214, instruction
mode: Classroom; Comedy; Olson, S. Douglas, 3 cr

5800 Sight Reading for Graduate Students

(max crs 6; 6 repeats allowed; S-N; prereq Enrollment in a grad program in Department of Classical/Near Eastern Studies)

18880 001 DIS, instruction mode: Classroom, 1 cr

5993 Directed Studies

(max crs 18; 18 repeats allowed)

18154 001 IND, instruction mode: Classroom; Smith, Stephen, 1-4 cr
 18774 002 IND, instruction mode: Classroom; Olson, S. Douglas, 1-4 cr
 22986 003 IND, instruction mode: Classroom; Sheets, George A., 1-4 cr
 22987 004 IND, instruction mode: Classroom; Gallia, Andrew B., 1-4 cr
 22988 005 IND, instruction mode: Classroom; Cole, Spencer E., 1-4 cr
 22989 006 IND, instruction mode: Classroom; Sellw, Philip, 1-4 cr
 22990 007 IND, instruction mode: Classroom; Krevans, Nita, 1-4 cr

5994 Directed Research

(max crs 18; 18 repeats allowed)

11892 001 IND, instruction mode: Classroom, 1-12 cr

5996 Directed Instruction

(max crs 20; 20 repeats allowed)

11891 001 IND, instruction mode: Classroom, 1-12 cr

8910 Seminar

(max crs 30; 10 repeats allowed)

21478 001 LEC, 03:00pm-05:30pm M, NichH 201, instruction mode: Classroom; The Book in Roman Egypt: Manuscript, Society & Belief; Sellw, Philip, 3 cr

HEALTH INFORMATICS (Hinf)

777 Mayo (Mayo Mail Code 511), 420 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-8440, <http://www.hinf.umn.edu>

5430 Health Informatics I

(A-F only; prereq Junior or senior or grad student or professional student or instr consent)

13351 001 LEC, 12:20pm-03:20pm Th, DiehlH 330B, instruction mode: Classroom; Pieczkiewicz PhD, David Sean, 3 cr
 22907 002 LEC, instruction mode: Correspondence; Please contact Jessica Whitcomb-Trance at jwhitcom@umn.edu if you need a permission number.; Pieczkiewicz PhD, David Sean, 3 cr

5436 AHC Informatics Grand Rounds

(max crs 10; 10 repeats allowed; S-N only)

13352 001 LEC, 03:30pm-04:30pm Th, DiehlH 555, instruction mode: Classroom, 1 cr

5496 Internship in Health Informatics

(max crs 18; 3 repeats allowed; S-N only; prereq HINF student or instr consent)

15120 001 FWK, instruction mode: Independent/Directed Studies; Pieczkiewicz PhD, David Sean, 1-6 cr

5499 Capstone Project for the Masters of Health Informatics

(A-F; prereq second semester MHI student or instr consent)

16193 001 FWK, instruction mode: Independent/Directed Studies, 3 cr

5501 US Health Care System: Information Challenges in Clinical Care

(S-N only; prereq Junior or senior or professional student or grad student or instr consent)

34351 001 LEC, instruction mode: Classroom, 1 cr

5502 Programming Essentials Python 3

(max crs 2; S-N only; prereq Junior or senior or grad student or professional student or instr consent)

25475 001 LEC, instruction mode: Correspondence; Pieczkiewicz PhD, David Sean, 1 cr

5510 Applied Health Care Databases:

Database Principles and Data Evaluation

(A-F only; prereq Junior or senior or grad student or professional student or instr consent)

21124 001 LEC, 03:30pm-04:20pm MW, DiehlH 330B, instruction mode: Classroom; Pieczkiewicz PhD, David Sean, 3 cr
 23017 002 LEC, instruction mode: Correspondence; Please contact Jessica Whitcomb-Trance at jwhitcom@umn.edu if you need a permission number.; Pieczkiewicz PhD, David Sean, 3 cr

5520 Clinical Informatics and Patient Safety

(A-F only; prereq Junior or senior or grad student or professional student or instr consent)

34356 001 LEC, instruction mode: Classroom; Adam, Terrence Joseph, 2 cr
 34357 002 LEC, instruction mode: Correspondence; Please contact Jessica Whitcomb-Trance at jwhitcom@umn.edu if you need a permission number.; Adam, Terrence Joseph, 2 cr

8405 Advanced Topics in Health Informatics I

(max crs 12; 3 repeats allowed; prereq Professional student or grad student or instr consent)

19006 001 LEC, 01:25pm-02:15pm MW, DiehlH 330B, instruction mode: Classroom; Please contact Jessica Whitcomb-Trance at jwhitcom@umn.edu if you need a permission number.; Simon, Gyorgy Janos, 1-4 cr

8492 Advanced Readings or Research in Health Informatics

(max crs 24; 4 repeats allowed; OPN; prereq HINF student or instr consent)

23158 001 IND, instruction mode: Independent/Directed Studies; Adam, Terrence Joseph, 1-6 cr
 25481 002 IND, instruction mode: Independent/Directed Studies; Chi, Chih-Lin, 1-6 cr
 23159 003 IND, instruction mode: Independent/Directed Studies; Delaney, Connie White, 1-6 cr
 23162 006 IND, instruction mode: Independent/Directed Studies; Gatewood PhD, Lael Cranmer, 1-6 cr
 23164 008 IND, instruction mode: Independent/Directed Studies; Pakhomov, Serguei V, 1-6 cr
 23165 009 IND, instruction mode: Independent/Directed Studies; Parente, Stephen T, 1-6 cr
 25482 010 IND, instruction mode: Independent/Directed Studies; Pieczkiewicz PhD, David Sean, 1-6 cr
 23166 011 IND, instruction mode: Independent/Directed Studies; Simon, Gyorgy Janos, 1-6 cr
 23167 012 IND, instruction mode: Independent/Directed Studies; Speedie, Stuart M, 1-6 cr
 25484 014 IND, instruction mode: Independent/Directed Studies; Zhang, Rui, 1-6 cr

8770 Plan B Project

(NGA; prereq Advanced plan B MS student)

22349 001 IND, instruction mode: Independent/Directed Studies; Adam, Terrence Joseph, 4 cr
 22350 002 IND, instruction mode: Independent/Directed Studies; Chi, Chih-Lin, 4 cr
 22351 003 IND, instruction mode: Independent/Directed Studies; Delaney, Connie White, 4 cr
 22362 006 IND, instruction mode: Independent/Directed Studies; Gatewood PhD, Lael Cranmer, 4 cr
 23193 008 IND, instruction mode: Independent/Directed Studies; Pakhomov, Serguei V, 4 cr
 23194 009 IND, instruction mode: Independent/Directed Studies; Parente, Stephen T, 4 cr
 25486 010 IND, instruction mode: Independent/Directed Studies; Pieczkiewicz PhD, David Sean, 4 cr
 23195 011 IND, instruction mode: Independent/Directed Studies; Simon, Gyorgy Janos, 4 cr
 23196 012 IND, instruction mode: Independent/Directed Studies; Speedie, Stuart M, 4 cr
 23198 014 IND, instruction mode: Independent/Directed Studies; Zhang, Rui, 4 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

23201 001 IND, instruction mode: Independent/Directed Studies; Adam, Terrence Joseph, 1-18 cr
 23202 002 IND, instruction mode: Independent/Directed Studies; Chi, Chih-Lin, 1-18 cr
 23203 003 IND, instruction mode: Independent/Directed Studies; Delaney, Connie White, 1-18 cr
 23206 006 IND, instruction mode: Independent/Directed Studies; Gatewood PhD, Lael Cranmer, 1-18 cr
 23208 008 IND, instruction mode: Independent/Directed Studies; Pakhomov, Serguei V, 1-18 cr
 23209 009 IND, instruction mode: Independent/Directed Studies; Parente, Stephen T, 1-18 cr
 25487 010 IND, instruction mode: Independent/Directed Studies; Pieczkiewicz PhD, David Sean, 1-18 cr
 23210 011 IND, instruction mode: Independent/Directed Studies; Simon, Gyorgy Janos, 1-18 cr
 23211 012 IND, instruction mode: Independent/Directed Studies; Speedie, Stuart M, 1-18 cr
 25488 014 IND, instruction mode: Independent/Directed Studies; Zhang, Rui, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

23156 001 IND, instruction mode: Independent/Directed Studies; Adam, Terrence Joseph, 1-24 cr
 23215 002 IND, instruction mode: Independent/Directed Studies; Chi, Chih-Lin, 1-24 cr
 23216 003 IND, instruction mode: Independent/Directed Studies; Delaney, Connie White, 1-24 cr
 23219 006 IND, instruction mode: Independent/Directed Studies; Gatewood PhD, Lael Cranmer, 1-24 cr
 23221 008 IND, instruction mode: Independent/Directed Studies; Pakhomov, Serguei V, 1-24 cr
 23222 009 IND, instruction mode: Independent/Directed Studies; Parente, Stephen T, 1-24 cr
 25489 010 IND, instruction mode: Independent/Directed Studies; Pieczkiewicz PhD, David Sean, 1-24 cr
 23157 011 IND, instruction mode: Independent/Directed Studies; Simon, Gyorgy Janos, 1-24 cr
 23004 012 IND, instruction mode: Independent/Directed Studies; Speedie, Stuart M, 1-24 cr
 25490 014 IND, instruction mode: Independent/Directed Studies; Zhang, Rui, 1-24 cr

HEALTH PROFESSIONS (HP)

3021 Patient Care Techniques

(A-F)

22917 001 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Finstuen, Joshua Allen; Anderson, Jill Marie; King, Vanessa Lea, 1 cr

HEALTH SERVICES MANAGEMENT (HSM)

20 Ruttan Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 55108

612/624-4000, <http://onestop2.umn.edu/courses/idpid/courses.jsp?campus=ALL&designator=HSM&submit=Show+the+courses>

3521 Health Care Delivery Systems

(A-F only; prereq 30 cr)

34634 1001 LEC, 06:00pm-08:45pm T, . NORMREQD, 09/08/15-12/15/15, instruction mode: Partially Online; Blended -- 3 meetings in the classroom and the rest online.; McClernon, Susan Elizab, 3 cr

4561 Health Care Administration and Management

(A-F only; prereq 45 cr)

34640 1001 LEC, 06:00pm-08:45pm W, AmundH 120, 09/09/15-12/16/15, instruction mode: Classroom; Kenney, Bill, 3 cr

HEBREW (Hebr)

245 Nicholson Hall, 216 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-5353, <http://cnes.cla.umn.edu>

1001 Beginning Hebrew I

(Credit will not be granted if credit has been received for: HEBR 4001)

14670 001 LEC, 11:15am-12:05pm MTWThF, APH 219, instruction mode: Classroom; Meets with: 14673 HEBR 4001; Schneller, Renana Segal, 5 cr

1101 Beginning Biblical Hebrew I

(Credit will not be granted if credit has been received for: HEBR 4104)

34261 001 DIS, 12:20pm-01:10pm MTWThF, NichH 115, instruction mode: Classroom; Meets with: 34262 HEBR 4104; Ahearn-Kroll, Pat, 5 cr

3011 Intermediate Hebrew I

(Credit will not be granted if credit has been received for: HEBR 4011; prereq Grade of at least [C- or S] in [1002 or 4002] or instr consent)

12351 001 LEC, 10:10am-11:00am MTWThF, BlegH 435, instruction mode: Classroom; Meets with: 17253 HEBR 4011; Schneller, Renana Segal, 5 cr

3951W Major Project

(prereq [Hebr major, three 3xxx Hebrew courses], instr consent, dept consent; meets CLE req of Writing Intensive)

18439 001 IND, instruction mode: Classroom; Schneller, Renana Segal, 4 cr

3980 Directed Instruction (max crs 4)

11893 001 IND, instruction mode: Classroom, 1-4 cr

3993 Directed Studies

(max crs 4; prereq instr consent)

18447 001 IND, instruction mode: Classroom; Student/Faculty Contract required for registration, please see instructor or department.; Schneller, Renana Segal, 1-4 cr

24339 002 IND, instruction mode: Classroom; Student/Faculty Contract required for registration, please see instructor or department.; Levinson PhD, Bernard M., 1-4 cr

4001 Beginning Hebrew I

(Credit will not be granted if credit has been received for: HEBR 1001; prereq grad student)

14673 001 LEC, 11:15am-12:05pm MTWThF, ApH 219, instruction mode: Classroom; Meets with: 14670 HEBR 1001; Schneller, Renana Segal, 3 cr

4011 Intermediate Hebrew I

(Credit will not be granted if credit has been received for: HEBR 3011; prereq Grade of at least [C- or S] in [1002 or 4002] or instr consent)

17253 001 LEC, 10:10am-11:00am MTWThF, BlegH 435, instruction mode: Classroom; Meets with: 12351 HEBR 3011; Schneller, Renana Segal, 3 cr

4104 Basics of Biblical Hebrew I

(Credit will not be granted if credit has been received for: HEBR 1101; prereq grad student)

34262 001 DIS, 12:20pm-01:10pm MTWThF, NichH 115, instruction mode: Classroom; Meets with: 34261 HEBR 1101; Ahearne-Kroll, Pat, 3 cr

5090 Advanced Modern Hebrew

(max crs 18; 6 repeats allowed; prereq 3012 or instr consent)

17266 001 LEC, 02:30pm-03:45pm MW, RapsonH 15, instruction mode: Classroom; Schneller, Renana Segal, 3 cr

5992 Directed Readings

(max crs 12; 12 repeats allowed)

17138 001 IND, instruction mode: Classroom; Schneller, Renana Segal, 1-4 cr

20251 002 IND, instruction mode: Classroom; Levinson PhD, Bernard M., 1-4 cr

20275 003 IND, instruction mode: Classroom, 1-4 cr

HINDI-URDU (HnUr)

220 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6534, <http://all.umn.edu>

1005 Conversational Hindi-Urdu

34498 001 LEC, 02:30pm-03:20pm TTh, FolH 13, instruction mode: Classroom; Hong, Sungok, 2 cr

1011 Beginning Hindi-Urdu I

(Credit will not be granted if credit has been received for: HNUR 4001; credit will not be granted if credit already received for: HNDI 1101/4001 and URDU 1101/4001)

19996 001 DIS, 11:15am-12:05pm MTWThF, FolH 13, instruction mode: Classroom; Meets with: 19998 HNUR 4001; Hong, Sungok, 5 cr

19997 050 DIS, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 19999 HNUR 4001, 5 cr

3021 Intermediate Hindi-Urdu I

(Credit will not be granted if credit has been received for: HNUR 4003; prereq 1012 or instr consent; credit will not be granted if credit already received for HNDI 3131/4003 or URDU 3131/4003)

20288 050 DIS, 03:35pm-05:55pm TTh, FolH 13, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 20289 HNUR 4003; Hong, Sungok, 5 cr

3031 Advanced Hindi-Urdu I

(Credit will not be granted if credit has been received for: HNUR 4005; prereq 3022 or instr consent; credit will not be granted if credit already received for: HNDI 4161)

23409 001 DIS, 02:30pm-04:25pm TTh, FolH 10, instruction mode: Classroom; Meets with: 23410 HNUR 4005; Hong, Sungok, 4 cr

4001 Beginning Hindi-Urdu I

(Credit will not be granted if credit has been received for: HNUR 1011; credit will not be granted if credit already received for: HNDI 1101/4001 and URDU 1101/4001)

19998 001 DIS, 11:15am-12:05pm MTWThF, FolH 13, instruction mode: Classroom; Meets with: 19996 HNUR 1011; Hong, Sungok, 3 cr

19999 050 DIS, instruction mode: Classroom; Meets with: 19997 HNUR 1011, 3 cr

4003 Intermediate Hindi-Urdu I

(Credit will not be granted if credit has been received for: HNUR 3021; prereq Grad student, [4002 or instr consent]; credit will not be granted if credit already received for HNDI 3131/4003 or URDU 3131/4003)

20289 050 DIS, 03:35pm-05:55pm TTh, FolH 13, instruction mode: Classroom; Meets with: 20288 HNUR 3021; Hong, Sungok, 3 cr

4005 Advanced Hindi-Urdu I

(Credit will not be granted if credit has been received for: HNUR 3031; prereq Grad student, [4004 or instr consent]; credit will not be granted if credit already received for: HNDI 4161)

23410 001 DIS, 02:30pm-04:25pm TTh, FolH 10, instruction mode: Classroom; Meets with: 23409 HNUR 3031; Hong, Sungok, 3 cr

HISTORY (Hist)

1110 Heller Hall, 271 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-2800, <http://www.hist.umn.edu>

1000W Visions of the Past: Thematic

Approaches to Understanding History

(max crs 8; prereq Fr or soph or fewer than 60 cr; 1000W and 3000W-level of the same sect/version of Hist 1000W/3000W shall be considered equiv; students may not register for Hist 3000W when the Hist 1000W version was successfully completed.; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

23731 001 LEC, 11:15am-12:30pm MW, BlegH 255, instruction mode: Classroom; SEMINAR TITLE: WWI - The Great War: A Global History; Meets with: 23732 HIST 3000W; Mathieu, Saje M, 4 cr

33981 002 LEC, 02:30pm-03:45pm MW, BlegH 105, instruction mode: Classroom; SEMINAR TITLE: Understanding New Zealand -- This course involves a study abroad component to New Zealand during spring break 2015/2016. Please note that you must also apply for this seminar through the Learning Abroad Center. For more information, visit: <http://www.umabroad.umn.edu/programs> or contact Lindsey at lahr0039@umn.edu. Registration deadline is Sept 8. Available for Full-Year Enrollment.; Meets with: 33987 HIST 3000W; Roberts, Evan, 4 cr

33990 003 LEC, 09:05am-12:05pm F, BlegH 110, instruction mode: Classroom; SEMINAR TITLE: Twin Cities History; Meets with: 33989 HIST 3000W; Chang, David Anthony, 4 cr

33982 1090 LEC, 06:20pm-08:50pm W, BlegH 255, instruction mode: Classroom; SEMINAR TITLE: History of War; Meets with: 33988 HIST 3000W; Isett, Christopher Mills; Bachrach, Bernard S, 4 cr

1011W Civilization and the Environment:

World History to 1500

(Credit will not be granted if credit has been received for: HIST 1017, HIST 1011W; prereq Fr or soph or non-hist major; meets CLE req of Environment; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

001 LEC, 11:15am-12:30pm TTh, AndH 270, instruction mode: Classroom; Casale, Giancarlo

24073 002 DIS, 10:10am-11:00am M, BlegH 330, instruction mode: Classroom; , 4 cr

24074 003 DIS, 10:10am-11:00am T, BlegH 335, instruction mode: Classroom; , 4 cr

24075 004 DIS, 01:25pm-02:15pm T, BlegH 225, instruction mode: Classroom; , 4 cr

24076 005 DIS, 09:05am-09:55am W, BlegH 335, instruction mode: Classroom; , 4 cr

24146 006 DIS, 12:20pm-01:10pm W, HHHctr 30, instruction mode: Classroom; , 4 cr

24147 007 DIS, 10:10am-11:00am W, HHHctr 20, instruction mode: Classroom; , 4 cr

34577 008 DIS, 01:25pm-02:15pm Th, BlegH 205, instruction mode: Classroom, 4 cr

34578 009 DIS, 11:15am-12:05pm F, SocSci 278, instruction mode: Classroom, 4 cr

1015W Globalization: Issues and Challenges

(Credit will not be granted if credit has been received for: GLOS 1015W, GLOS 1015V, HIST 1015W, HIST 1019; A-F only; prereq Fr or soph or non-hist major; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

001 LEC, 11:15am-12:05pm MWF, BlegH 10, instruction mode: Classroom; Meets with: 23999 GLOS 1015W; Wolfe, Thomas C; Isett, Christopher Mills

23875 002 DIS, 12:20pm-01:10pm M, BlegH 330, instruction mode: Classroom; Meets with: 24001 GLOS 1015W; , 4 cr

23876 003 DIS, 10:10am-11:00am T, BlegH 225, instruction mode: Classroom; Meets with: 24002 GLOS 1015W; , 4 cr

23877 004 DIS, 12:20pm-01:10pm W, BlegH 335, instruction mode: Classroom; Meets with: 24003 GLOS 1015W; , 4 cr

23878 005 DIS, 11:15am-12:05pm Th, BlegH 105, instruction mode: Classroom; Meets with: 24004 GLOS 1015W; , 4 cr

1032W Europe and the World: Expansion, Encounter, and Exchange from 1500 to Present

(prereq Fr or soph or non-hist major; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

001 LEC, 09:45am-11:00am TTh, AndH 350, instruction mode: Classroom

34784 002 DIS, 11:15am-12:05pm T, BlegH 225, instruction mode: Classroom, 4 cr

34785 003 DIS, 10:10am-11:00am W, BlegH 335, instruction mode: Classroom, 4 cr

34786 004 DIS, 11:15am-12:05pm Th, BlegH 225, instruction mode: Classroom, 4 cr

34787 005 DIS, 01:25pm-02:15pm Th, BlegH 260, instruction mode: Classroom, 4 cr

1301W Authority and Rebellion: American History to 1865

(Credit will not be granted if credit has been received for: HIST 1301V, HIST 1307; prereq Fr or soph or non-hist major; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

001 LEC, 08:15am-09:30am MW, AndH 210, instruction mode: Classroom; Hacker, J. David

34813 002 DIS, 11:15am-12:05pm M, HHHctr 30, instruction mode: Classroom, 4 cr

17422 003 DIS, 11:15am-12:05pm M, SocSci 278, instruction mode: Classroom; , 4 cr

22165 004 DIS, 12:20pm-01:10pm M, BlegH 335, instruction mode: Classroom; 7 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr

17498 005 DIS, 09:05am-09:55am T, BlegH 225, instruction mode: Classroom; , 4 cr

14604 006 DIS, 10:10am-11:00am T, BlegH 330, instruction mode: Classroom; 12 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr

14605 007 DIS, 11:15am-12:05pm W, HHHctr 20, instruction mode: Classroom; , 4 cr

34044 008 DIS, 12:20pm-01:10pm W, HHHctr 20, instruction mode: Classroom, 4 cr

14606 009 DIS, 11:15am-12:05pm Th, BlegH 205, instruction mode: Classroom; , 4 cr

14607 010 DIS, 12:20pm-01:10pm Th, BlegH 205, instruction mode: Classroom; , 4 cr

14608 011 DIS, 10:10am-11:00am F, BlegH 330, instruction mode: Classroom; , 4 cr

1411W The Family from 10,000 BCE to the Present

(Credit will not be granted if credit has been received for: HIST 3411W; prereq Fr or soph or fewer than 60 cr; meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

001 LEC, 11:15am-12:05pm MW, AndH 250, instruction mode: Classroom; Meets with: 34223 HIST 3411W; Waltner, Ann Beth; Maynes, Mary Jo

33992 002 DIS, 03:35pm-05:30pm W, BlegH 225, instruction mode: Classroom, 4 cr

33994 003 DIS, 12:20pm-02:15pm Th, BlegH 335, instruction mode: Classroom, 4 cr

33995 1004 DIS, 06:05pm-08:00pm Th, CarlSMgmt 2-228, instruction mode: Classroom, 4 cr

1435 Introduction to History

(A-F only; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives)

20752 001 LEC, 11:15am-12:30pm TTh, USq 317, ROCHESTER, instruction mode: Classroom; The topic for this course is "Memoirs of Mass Violence"; Ford, James Thomas, 3 cr

21773 002 LEC, 12:45pm-02:00pm TTh, USq 317, ROCHESTER, instruction mode: Classroom; The topic for

this course is "Memoirs of Mass Violence"; Ford, James Thomas, 3 cr

1534 Introduction to Jewish History and Civilization

(Credit will not be granted if credit has been received for: JWST 1034, RELS 3034, RELS 1034, JWST 3034, HIST 3534; meets CLE req of Historical Perspectives) 26314 001 LEC, 01:00pm-02:15pm TTh, NichH 145, instruction mode: Classroom; Meets with: 26315 HIST 3534, 22398 JWST 1034, 22399 JWST 3034, 24068 RELS 1034, 24069 RELS 3034; Schroeter, Daniel J, 3 cr

1905 Freshman Seminar (A-F only; prereq freshman)

33996 001 LEC, 02:30pm-05:00pm Th, HHHctr 184, instruction mode: Classroom; SEMINAR TITLE: Autobiography through History/History through Autobiography; Maynes, Mary Jo, 3 cr
33997 002 LEC, 09:45am-11:00am MW, BlegH 105, instruction mode: Classroom; SEMINAR TITLE: Rebels, Renegades and Heretics: Challenging Authority in the Renaissance World; Louthan, Howard Paul, 3 cr
33998 003 LEC, 01:00pm-03:30pm M, HHHctr 15, instruction mode: Classroom; SEMINAR TITLE: A History of the Drug Wars; McNamara, Patrick J, 3 cr
33999 004 LEC, 01:15pm-03:45pm T, . NONSTD-TBA, instruction mode: Classroom; SEMINAR TITLE: Crusade vs. Jihad; Casale, Giancarlo, 3 cr

3000W Visions of the Past: Thematic Approaches to Understanding History (max crs 8; prereq Jr or sr or at least 60 cr; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

23732 001 LEC, 11:15am-12:30pm MW, BlegH 255, instruction mode: Classroom; SEMINAR TITLE: WWI - The Great War: A Global History; Meets with: 23731 HIST 1000W; Mathieu, Saje M, 4 cr
33987 002 LEC, 02:30pm-03:45pm MW, BlegH 105, instruction mode: Classroom; SEMINAR TITLE: Understanding New Zealand -- This course involves a study abroad component to New Zealand during spring break 2015/2016. Please note that you must also apply for this seminar through the Learning Abroad Center. For more information, visit: <http://www.umabroad.umn.edu/programs> or contact Lindsey at lahr0039@umn.edu. Registration deadline is Sept 8. Available for Full-Year Enrollment.; Meets with: 33981 HIST 1000W; Roberts, Evan, 4 cr
33989 003 LEC, 09:05am-12:05pm F, BlegH 110, instruction mode: Classroom; SEMINAR TITLE: Twin Cities History; Meets with: 33990 HIST 1000W; Chang, David Anthony, 4 cr
33988 1090 LEC, 06:20pm-08:50pm W, BlegH 255, instruction mode: Classroom; SEMINAR TITLE: History of War; Meets with: 33982 HIST 1000W; Isett, Christopher Mills; Bachrach, Bernard S, 4 cr

3001 Public History

(Credit will not be granted if credit has been received for: AMST 3003, CLA 3003; A-F only; prereq Soph or jr or sr or instr consent) 34881 001 LEC, 02:30pm-04:25pm Th, BlegH 415, instruction mode: Classroom, 4 cr

3011 Measuring the Past: Quantitative Methods for Historical Research

(Credit will not be granted if credit has been received for: HIST 5011; meets CLE req of Mathematical Thinking) 34000 001 LEC, instruction mode: Classroom, 4 cr

3061 "Bread and Circuses": Spectacles and Mass Culture in Antiquity

34001 001 LEC, 02:30pm-03:45pm TTh, BlegH 145, instruction mode: Classroom; Gallia, Andrew B, 3 cr

3067W Archaeology of Prehistoric Europe

(Credit will not be granted if credit has been received for: ANTH 3027W, ANTH 5027W; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive) 24249 001 LEC, 09:45am-11:00am MW, AndH 250, instruction mode: Classroom; Meets with: 11922 ANTH 5027W, 15032 ANTH 3027W; Wells, Peter S, 3 cr

3101 Introduction to Medieval History

(meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives) 23879 090 LEC, 09:45am-11:00am TTh, BlegH 5, instruction mode: Classroom; Lower, Michael, 3 cr

3151W British History to the 17th Century

(meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

001 LEC, 09:45am-11:00am MW, BlegH 135, instruction mode: Classroom; Karras, Ruth Mazo
22357 002 DIS, 11:15am-12:05pm W, SocSci 278, instruction mode: Classroom; , 4 cr
22358 003 DIS, 12:20pm-01:10pm W, BlegH 140, instruction mode: Classroom; , 4 cr

3211 History of Sexuality in Europe

(Credit will not be granted if credit has been received for: GLBT 3211; A-F only) 34776 001 LEC, 01:00pm-02:15pm TTh, BlegH 130, instruction mode: Classroom; Meets with: 34867 GLBT 3211; Clark, Anna Kirsten, 3 cr

3244 History of Eastern Europe

(meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives) 34002 001 LEC, 02:30pm-03:45pm MW, BlegH 220, instruction mode: Classroom; INSTRUCTOR: Igor Tchoukarine, 3 cr

3264 Imperial Russia: Formation and Expansion of the Russian Empire in the 18th and 19th Centuries

(Credit will not be granted if credit has been received for: HIST 5264) 23994 001 LEC, 10:10am-11:00am MWF, BlegH 240, instruction mode: Classroom; Meets with: 22266 HIST 5264; Stavrou, Theofanis G, 3 cr

3271 The Viking World: Story, History, and Archaeology

(Credit will not be granted if credit has been received for: HIST 5271) 34590 001 LEC, 01:25pm-03:55pm T, AndH 370, instruction mode: Classroom; Bachrach, Bernard S, 3 cr

3347 Women in Early America: 1600-1890

(Credit will not be granted if credit has been received for: GWSS 3407; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives) 10995 001 LEC, 01:25pm-02:15pm MWF, FordH B10, instruction mode: Classroom; Meets with: 23910 GWSS 3407; Norling, Lisa A, 3 cr

3349 U.S. Women's Legal History

(Credit will not be granted if credit has been received for: GWSS 3549; A-F only; prereq Soph or jr or sr; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives) 34777 001 LEC, 09:45am-11:00am TTh, BlegH 145, instruction mode: Classroom, 3 cr

3401W Early Latin America to 1825

(Credit will not be granted if credit has been received for: LAS 3401W; A-F only; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive) 001 LEC, 09:45am-11:00am TTh, BlegH 130, instruction mode: Classroom; Meets with: 17171 LAS 3401W; Chambers, Sarah C
23893 002 DIS, 12:20pm-01:10pm T, BlegH 205, instruction mode: Classroom; Meets with: 24026 LAS 3401W; , 4 cr
23894 003 DIS, 11:15am-12:05pm T, BlegH 105, instruction mode: Classroom; Meets with: 24027 LAS 3401W; , 4 cr

3411W The Family from 10,000 BCE to the Present

(Credit will not be granted if credit has been received for: HIST 1411W; prereq Jr or sr or at least 60 cr; meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive) 001 LEC, 11:15am-12:05pm MW, AndH 250, instruction mode: Classroom; Meets with: 33991 HIST 1411W; Waltner, Ann Beth; Maynes, Mary Jo
34224 002 DIS, 01:25pm-03:20pm W, BlegH 435, instruction mode: Classroom, 4 cr

3412 Soccer: Around the World with the Beautiful Game

(meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives) 34004 001 LEC, 01:00pm-02:15pm TTh, BlegH 255, instruction mode: Classroom; Lower, Michael, 3 cr

3415 Migrations in Modern Global History

(meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives) 34919 1090 LEC, 06:20pm-08:50pm Th, BlegH 145, instruction mode: Classroom, 3 cr

3417 Food in History

(meets CLE req of Environment; meets CLE req of Historical Perspectives) 19616 001 LEC, 11:15am-12:30pm TTh, AndH 250, instruction mode: Classroom; Deutsch, Tracey A, 3 cr

3425 History of Modern Mexico

(Credit will not be granted if credit has been received for: CHIC 3425) 34005 001 LEC, 09:45am-11:00am MW, Eith N647, instruction mode: Classroom; Meets with: 34312 CHIC 3425; McNamara, Patrick J, 3 cr

3432 Modern Africa in a Changing World

(Credit will not be granted if credit has been received for: AFRO 3432; max crs 4; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives) 001 LEC, 09:45am-11:00am TTh, BlegH 120, instruction mode: Classroom; Meets with: 22859 AFRO 3432; Isaacman, Allen F
22192 002 DIS, 11:15am-12:05pm T, BlegH 205, instruction mode: Classroom; Meets with: 22860 AFRO 3432; , 3-4 cr
22193 003 DIS, 01:25pm-02:15pm T, BlegH 260, instruction mode: Classroom; Meets with: 22861 AFRO 3432; , 3-4 cr

3444 Chicana and Chicano History: 1821-1945

(Credit will not be granted if credit has been received for: CHIC 3444, HIST 3441, LAS 3441; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives) 21858 001 LEC, 11:15am-12:30pm TTh, WullH 240, instruction mode: Classroom; Meets with: 17711 CHIC 3444; Patino Jr, Jimmy Charles, 3 cr

3454 West African History: Early Times to 1800

(Credit will not be granted if credit has been received for: AFRO 3001; meets CLE req of Global Perspectives) 33842 1001 LEC, 05:30pm-06:45pm MW, BlegH 225, instruction mode: Classroom; Meets with: 33804 AFRO 3001; Coifman, Victoria Bomba, 3 cr

3456 Social and Intellectual Movements in the African Diaspora

(Credit will not be granted if credit has been received for: AFRO 3120, AFRO 5120; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives) 24429 001 LEC, 01:00pm-02:15pm TTh, BlegH 125, instruction mode: Classroom; Meets with: 24031 AFRO 3120, 24032 AFRO 5120; Atkins, Keletso E, 3 cr

3461 Introduction to East Asia I: The Imperial Age

(Credit will not be granted if credit has been received for: EAS 3461; max crs 4) 001 LEC, 09:45am-11:00am MW, BlegH 130, instruction mode: Classroom; Meets with: 15588 EAS 3461; Wang, Liping
25685 002 DIS, 11:15am-12:05pm W, BlegH 260, instruction mode: Classroom; Meets with: 25714 EAS 3461; , 4 cr
25686 003 DIS, 12:20pm-01:10pm W, BlegH 330, instruction mode: Classroom; Meets with: 25715 EAS 3461; , 4 cr

3468 Social Change in Modern China

(Credit will not be granted if credit has been received for: HIST 5468, EAS 3468) 18478 001 LEC, 01:00pm-02:15pm MW, BlegH 110, instruction mode: Classroom; Meets with: 25750 ALL 3920, 18479 EAS 3468; Wang, Liping, 3 cr

3471 Modern Japan, Meiji to the Present (1868-2000)

(Credit will not be granted if credit has been received for: EAS 3471, ALL 3478; meets CLE req of Historical Perspectives) 19804 001 LEC, 11:15am-12:30pm TTh, BlegH 110, instruction mode: Classroom; Meets with: 15536 EAS 3471; Mizuno, Hiromi, 3 cr

3477 Samurai, Geisha, and How They Became Japanese (A-F only)

34006 001 LEC, 11:15am-02:15pm F, BlegH 135, instruction mode: Classroom; Mizuno, Hiromi, 3 cr

3492 Hinduism

(Credit will not be granted if credit has been received for: ALL 3671, ALL 5671, RELS 3671, RELS 5671)

34007 090 LEC, 11:15am-12:30pm MW, BlegH 220,
instruction mode: Classroom; Meets with: 34296 RELS
3671; Skaria, Ajay, 3 cr

3493 Islam: Religion and Culture

(Credit will not be granted if credit has been received
for: ARAB 3036, RELS 3712, ALL 3871; prereq Soph or
jr or sr)

34008 !001 LEC, 05:45pm-08:15pm M, NichH 110, instruction
mode: Classroom; Meets with: 34303 RELS 3712; Matar,
Nabil I, 3 cr

3503 Ancient Iran

(Credit will not be granted if credit has been received
for: CAS 3511, MELC 3511, RELS 3709)

34009 001 LEC, 10:10am-11:00am MWF, BlegH 230,
instruction mode: Classroom; Meets with: 34299 RELS
3709; Bashiri, Iraj, 3 cr

3504 The Cultures of the Silk Road

(Credit will not be granted if credit has been received
for: ALL 3872, RELS 3708)

34010 001 LEC, 02:30pm-03:20pm MWF, BlegH 240,
instruction mode: Classroom; Meets with: 34297 RELS
3708; Bashiri, Iraj, 3 cr

3507 History of Modern Egypt

(A-F)
34011 001 LEC, 11:15am-12:30pm TTh, BlegH 220,
instruction mode: Classroom; Hakim, Carol, 3 cr

3509 Approaches to the Study of the Middle East

(A-F only)
34012 001 DIS, 02:30pm-05:00pm Th, CarlSMgmt L-122,
instruction mode: Classroom; Hakim, Carol, 3 cr

3534 Introduction to Jewish History and Civilization

(Credit will not be granted if credit has been received
for: JWST 1034, RELS 3034, RELS 1034, JWST 3034,
HIST 1534; meets CLE req of Historical Perspectives)

26315 001 LEC, 01:00pm-02:15pm TTh, NichH 145,
instruction mode: Classroom; Meets with: 26314 HIST
1534, 22398 JWST 1034, 22399 JWST 3034, 24068 RELS
1034, 24069 RELS 3034; Schroeter, Daniel J, 3 cr

3613 History of the Crusades

(Credit will not be granted if credit has been received
for: RELS 3715; meets CLE req of Global Perspectives;
meets CLE req of Historical Perspectives)

23882 001 LEC, 09:45am-11:00am TTh, AndH 250,
instruction mode: Classroom; Meets with: 23896 RELS
3715; Reyerson, Kathryn L, 3 cr

3616 France in the Middle Ages

34884 001 LEC, 01:00pm-02:15pm TTh, BlegH 145,
instruction mode: Classroom, 3 cr

3617 Pagans, Christians, Barbarians: The World of Late Antiquity

(A-F only)
34013 001 LEC, 11:15am-12:05pm MWF, BlegH 145,
instruction mode: Classroom, 3 cr

3637 Modern Russia: From Peter the Great to the Present

13852 !090 LEC, 06:20pm-08:50pm M, BlegH 145, instruction
mode: Classroom; Stavrou, Theofanis G, 3 cr

3681 Irish History

26007 001 LEC, 09:45am-11:00am TTh, BlegH 155,
instruction mode: Classroom; Clark, Anna Kirsten, 3 cr

3721 Studies in 20th-Century Europe From the Turn of the Century to the End of World War II: 1900-45

(Credit will not be granted if credit has been received
for: HIST 5721)

34014 001 LEC, 11:15am-12:30pm MW, BlegH 155,
instruction mode: Classroom; INSTRUCTOR: Igor
Tchoukarine, 3 cr

3727 History of the Holocaust

(Credit will not be granted if credit has been received
for: RELS 3521W, HIST 3727W, JWST 3521W, JWST
3520, RELS 3520)

34853 001 LEC, 09:45am-11:00am MW, BlegH 220,
instruction mode: Classroom, 3 cr

3809 The Peoples of Revolutionary America

25693 001 LEC, 01:00pm-02:15pm MW, BlegH 145,
instruction mode: Classroom; Fischer, Kirsten, 3 cr

3837 Minnesota History

(Credit will not be granted if credit has been received
for: AMST 3837)

34015 001 LEC, 02:30pm-03:45pm MW, BlegH 145,
instruction mode: Classroom; Stone, Paul Clois, 3 cr

3872 American Indian History: 1830 to the Present

(Credit will not be granted if credit has been received
for: AMIN 3872; meets CLE req of Diversity and Soc
Justice US; meets CLE req of Historical Perspectives)

34589 !090 LEC, 06:20pm-08:50pm W, BlegH 110, instruction
mode: Classroom; Meets with: 25957 AMIN 3872, 3 cr

3875W Comparative Race and Ethnicity in US History

(Credit will not be granted if credit has been received
for: AAS 3875W; A-F only; meets CLE req of Diversity
and Soc Justice US; meets CLE req of Historical
Perspectives; meets CLE req of Writing Intensive)

34907 001 LEC, 11:15am-12:30pm MW, WullH 220,
instruction mode: Classroom; Meets with: 34904 AAS
3875W; Onishi, Yuichiro, 4 cr

3882 U.S. and the World

34588 !001 LEC, 06:20pm-08:50pm T, BlegH 220, instruction
mode: Classroom, 3 cr

3980W Supplemental Writing in History

(max crs 4; 4 repeats allowed; prereq instr consent ;
must take a 3-cr 3xxx or 5xxx course taken
concurrently; meets CLE req of Writing Intensive)

13491 001 LEC, instruction mode: Classroom, 1 cr
24350 002 LEC, instruction mode: Classroom, 1 cr

3993 Directed Study

(max crs 16; 5 repeats allowed; A-F only)
13446 001 IND, instruction mode: Classroom, 1-16 cr

3994 Directed Research

(max crs 16; 5 repeats allowed; A-F only; prereq instr
consent , dept consent , college consent)
13447 001 IND, instruction mode: Classroom, 1-16 cr

4010V Honors: Research Seminar

(max crs 16; 4 repeats allowed; A-F only; prereq Jr or
sr history major, honors, or instr consent; meets CLE
req of Writing Intensive; meets HON req of Honors)

26143 001 LEC, 01:25pm-03:20pm T, BlegH 140, instruction
mode: Classroom; SEMINAR TITLE: The Medieval
Mediterranean: Merchants and Pirates; Meets with: 23881
HIST 4010W; Reyerson, Kathryn L, 4 cr

26144 002 LEC, 01:25pm-03:20pm Th, BlegH 220, instruction
mode: Classroom; SEMINAR TITLE: Encounters in Early
America; Meets with: 24082 HIST 4010W; Chambers,
Sarah C, 4 cr

34327 !090 LEC, 05:45pm-08:15pm T, HHCtr 60, instruction
mode: Classroom; SEMINAR TITLE: Jerusalem: Jews,
Christians and Muslims in the Contested City; Meets with:
34017 HIST 4010W; Schroeter, Daniel J, 4 cr

4010W Research Seminar

(max crs 16; 4 repeats allowed; A-F only; prereq Jr or
Sr history major or instr consent; meets CLE req of
Writing Intensive)

23881 001 LEC, 01:25pm-03:20pm T, BlegH 140, instruction
mode: Classroom; SEMINAR TITLE: The Medieval
Mediterranean: Merchants and Pirates; Meets with: 26143
HIST 4010W; Reyerson, Kathryn L, 4 cr

24082 002 LEC, 01:25pm-03:20pm Th, BlegH 220, instruction
mode: Classroom; SEMINAR TITLE: Encounters in Early
America; Meets with: 26144 HIST 4010W; Chambers,
Sarah C, 4 cr

34017 !090 LEC, 05:45pm-08:15pm T, HHCtr 60, instruction
mode: Classroom; SEMINAR TITLE: Jerusalem: Jews,
Christians and Muslims in the Contested City; Meets with:
34327 HIST 4010W; Schroeter, Daniel J, 4 cr

4961V Honors: Major Paper

(A-F; prereq dept consent , instr consent ; sign up in
Undergraduate Studies Office two sem in advance;
meets CLE req of Writing Intensive; meets HON req of
Honors)

20756 001 LEC, 01:25pm-03:20pm W, HHCtr 30, instruction
mode: Classroom; Meets with: 13281 HIST 4961V;
Isaacman, Allen F, 4 cr

4961W Major Paper

(A-F only; prereq dept consent , instr consent ; sign up
in Undergraduate Studies Office two sem in advance;
meets CLE req of Writing Intensive)

13281 001 LEC, 01:25pm-03:20pm W, HHCtr 30, instruction
mode: Classroom; Meets with: 20756 HIST 4961V;
Isaacman, Allen F, 4 cr

4970 Historical Internship

(max crs 24)
19337 001 FWK, instruction mode: Independent/Directed
Studies; Permission of instructor and/or department
needed before registering., 1-12 cr

5011 Measuring the Past: Quantitative Methods for Historical Research

(Credit will not be granted if credit has been received
for: HIST 3011; prereq Primarily for 1st-yr grad
students)

34225 001 LEC, instruction mode: Classroom, 4 cr

5264 Imperial Russia: Formation and Expansion of the Russian Empire in the 18th and 19th Centuries

(Credit will not be granted if credit has been received
for: HIST 3264; max crs 4)

22266 001 LEC, 10:10am-11:00am MWF, BlegH 240,
instruction mode: Classroom; Meets with: 23994 HIST
3264; Stavrou, Theofanis G, 3 cr

5801 Seminar in Early American History

(Credit will not be granted if credit has been received
for: HIST 8801; A-F only)

34893 001 LEC, 04:00pm-05:55pm W, HellerH 1210A,
instruction mode: Classroom; Meets with: 34894 HIST
8801; Fischer, Kirsten, 3 cr

5900 Topics in European/Medieval History

(max crs 16; 5 repeats allowed; A-F; prereq Grad or
[advanced undergrad with instr consent])

34788 001 LEC, 01:25pm-03:20pm W, CarlSMgmt 1-122,
instruction mode: Classroom; SEMINAR TITLE: Byzantine
World; Meets with: 22457 HIST 8900, 1-4 cr
34891 !090 LEC, 04:45pm-06:40pm T, SocSci 278, instruction
mode: Classroom; SEMINAR TITLE: Nationalism, Unity
and Diversity in Recent European History; Meets with:
34892 HIST 8900, 1-4 cr

5910 Topics in U.S. History

(max crs 16; 5 repeats allowed; prereq Grad or
advanced undergrad student with instr consent)

25701 001 LEC, 02:30pm-04:25pm Th, CarlSMgmt 1-122,
instruction mode: Classroom; Meets with: 26922 AFRO
8910, 25793 HIST 8910; Murphy, Kevin P., 1-4 cr

5932 The Production of Knowledge, Negotiating the Past, and the Writing of African Histories

(Credit will not be granted if credit has been received
for: AFRO 5932; A-F only)

34895 001 LEC, 02:30pm-04:25pm T, CarlSMgmt 1-122,
instruction mode: Classroom; Meets with: 34896 HIST
8920; Isaacman, Allen F, 3 cr

5940 Topics in Asian History

(max crs 16; 5 repeats allowed; prereq Grad student or
[advanced undergrad, instr consent])

34899 001 LEC, 03:35pm-05:30pm W, CarlSMgmt 1-122,
instruction mode: Classroom; SEMINAR TITLE: Cultures
of Modernity and Memories of the Past in East Asia; Meets
with: 34900 HIST 8940; Wang, Liping, 1-4 cr

5960 Topics in History

(max crs 16; 5 repeats allowed; prereq Grad or
[advanced undergrad with instr consent])

34897 001 LEC, 12:20pm-02:15pm Th, HHCtr 25,
instruction mode: Classroom; SEMINAR TITLE: The
Beginnings of Global History/Historical Globalization; Meets
with: 34898 HIST 8630; Shank, JB, 1-4 cr

5993 Directed Study

(max crs 20; 5 repeats allowed)
17448 001 IND, instruction mode: Classroom, 1-16 cr

5994 Directed Research

(max crs 16; 5 repeats allowed)
13448 001 IND, instruction mode: Classroom, 1-16 cr

8015 Scope and Methods of Historical Studies

(A-F only; prereq instr consent)
11445 001 LEC, 01:00pm-03:30pm M, BlegH 435, instruction
mode: Classroom; Waltner, Ann Beth, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS
consent)

13978 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14112 001 IND, instruction mode: Classroom, 1 cr

8630 Seminar in World History

(A-F only; prereq instr consent)

34898 001 LEC, 12:20pm-02:15pm Th, HHHCtr 25, instruction mode: Classroom; SEMINAR TITLE: The Beginnings of Global History/Historical Globalization; Meets with: 34897 HIST 5960; Shank, JB, 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14232 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14315 001 IND, instruction mode: Classroom, 1-18 cr

8801 Seminar in Early American History

(Credit will not be granted if credit has been received for: HIST 5801; A-F only)

34894 001 LEC, 04:00pm-05:55pm W, HellerH 1210A, instruction mode: Classroom; Meets with: 34893 HIST 5801; Fischer, Kirsten, 3 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 14 cr per semester or summer, 24 cr required)

13749 001 IND, instruction mode: Classroom, 1-24 cr

8900 Topics in European/Medieval History

(max crs 16; 5 repeats allowed; A-F only)

22457 001 LEC, 01:25pm-03:20pm W, CarlSMgmt 1-122, instruction mode: Classroom; SEMINAR TITLE: Byzantine World; Meets with: 34788 HIST 5900, 1-4 cr
34892 I090 LEC, 04:45pm-06:40pm T, SocSci 278, instruction mode: Classroom; SEMINAR TITLE: Nationalism, Unity and Diversity in Recent European History; Meets with: 34891 HIST 5900, 1-4 cr

8910 Topics in U.S. History

(max crs 16; 5 repeats allowed; A-F only)

25793 001 LEC, 02:30pm-04:25pm Th, CarlSMgmt 1-122, instruction mode: Classroom; Meets with: 26922 AFRO 8910, 25701 HIST 5910; Murphy, Kevin P., 1-4 cr

8920 Topics in African History

(max crs 16; 5 repeats allowed; A-F only)

34896 001 LEC, 02:30pm-04:25pm T, CarlSMgmt 1-122, instruction mode: Classroom; SEMINAR TITLE: New Directions in African Social History; Meets with: 34895 HIST 5932; Isaacman, Allen F., 1-4 cr

8940 Topics in Asian History

(max crs 16; 5 repeats allowed; A-F only)

34900 001 LEC, 03:35pm-05:30pm W, CarlSMgmt 1-122, instruction mode: Classroom; SEMINAR TITLE: Cultures of Modernity and Memories of the Past in East Asia; Meets with: 34899 HIST 5940; Wang, Liping, 1-4 cr

8993 Directed Study

(max crs 16; 5 repeats allowed; A-F only; prereq Grad student, instr consent)

13449 001 IND, instruction mode: Classroom, 1-16 cr

8994 Directed Research

(max crs 16; A-F only; prereq instr consent)

13450 001 IND, instruction mode: Classroom, 1-16 cr

HISTORY OF MEDICINE (HMed)

510 Diehl Hall (Box 506 Mayo), 505 Essex Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-4416, <http://www.med.umn.edu/history/home.htm>

3001W Health, Disease, and Healing I

(Credit will not be granted if credit has been received for: HMed 3001V; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

001 LEC, 10:10am-11:00am MWF, MoosT 3-110, instruction mode: Classroom; Shackelford, Jole Richard

11190 002 DIS, 11:15am-12:05pm W, AmundH 158, instruction mode: Classroom; Shackelford, Jole Richard, 4 cr

11191 003 DIS, 11:15am-12:05pm W, AmundH 156, instruction mode: Classroom; Shackelford, Jole Richard, 4 cr

11192 004 DIS, 01:25pm-02:15pm W, AmundH 104, instruction mode: Classroom; Shackelford, Jole Richard, 4 cr

13803 005 DIS, 10:10am-11:00am Th, FordH 110, instruction mode: Classroom; Shackelford, Jole Richard, 4 cr

13804 006 DIS, 11:15am-12:05pm Th, FordH 170, instruction mode: Classroom; Shackelford, Jole Richard, 4 cr

13805 007 DIS, 11:15am-12:05pm W, FordH 155, instruction mode: Classroom; Shackelford, Jole Richard, 4 cr

3075 Technology and Medicine in Modern America

(meets CLE req of Historical Perspectives; meets CLE req of Technology and Society)

001 LEC, 11:15am-12:05pm MW, MCB 2-122, instruction mode: Classroom; Tobbell, Dominique Avril

34636 002 DIS, 11:15am-12:05pm Th, AmundH 158, instruction mode: Classroom, 3 cr

34661 003 DIS, 12:20pm-01:10pm Th, AmundH 158, instruction mode: Classroom, 3 cr

34666 004 DIS, 11:15am-12:05pm F, AmundH 158, instruction mode: Classroom, 3 cr

3600 Directed Study

(max crs 12; 3 repeats allowed; prereq instr consent)

19486 001 IND, instruction mode: Independent/Directed Studies; Instructor permission required; Gunn, Jennifer; Shackelford, Jole Richard; Kernahan, Peter; Tobbell, Dominique Avril, 1-4 cr

4960 Senior Research Topics in Medical History

(max crs 4; A-F; prereq Sr, instr consent)

22529 001 LEC, 02:30pm-05:00pm T, Room TBA, TCEASTBANK, instruction mode: Independent/Directed Studies; Kernahan, Peter, 3-4 cr

7500 Historical Research for Health Professional Students

(max crs 6; HNV; prereq [3rd or 4th yr health professional student], instr consent)

17460 001 IND, 08/03/15-12/23/15, instruction mode: Classroom; Permission of instructor required.; Gunn, Jennifer; Shackelford, Jole Richard; Tobbell, Dominique Avril, 2-6 cr

8112 Historiography of Science, Technology, and Medicine

(A-F; prereq instr consent)

18173 001 LEC, 03:35pm-05:30pm W, ShepLab 127, instruction mode: Classroom; Meets with: 17793 HSCI 8112; Tobbell, Dominique Avril, 3 cr

8220 Seminar: Current Topics in the History of Medicine

(max crs 9; 3 repeats allowed; A-F only; prereq instr consent)

34848 001 LEC, 01:25pm-03:20pm M, AmundH 162, instruction mode: Classroom; Course Topic: "Finding the Mind: Medicine and the Human Sciences, 19th and 20th centuries"; Gunn, Jennifer, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13979 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14113 001 IND, instruction mode: Classroom, 1 cr

8631 Directed Study

(max crs 12; A-F only; prereq instr consent)

13686 001 IND, instruction mode: Classroom; Gunn, Jennifer; Tobbell, Dominique Avril; Shackelford, Jole Richard, 1-6 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14233 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14316 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13750 001 IND, instruction mode: Classroom, 1-24 cr

HISTORY OF SCIENCE AND TECHNOLOGY (HSci)

381 Physics, 116 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-7069, <http://www.physics.umn.edu/groups/hsci>

1714 Technology and Civilization: Stone Tools to Steam Engines

(Credit will not be granted if credit has been received for: HSCI 3714; max crs 4; meets CLE req of Historical Perspectives; meets CLE req of Technology and Society)

001 LEC, 01:25pm-02:15pm MWF, KHKH 3-210, instruction mode: Classroom; Meets with: 23443 HSCI 3714; Alexander, Jennifer Karns

23434 002 DIS, 10:10am-11:00am M, STSS 119, instruction mode: Classroom; Meets with: 23444 HSCI 3714, 4 cr

23435 003 DIS, 12:20pm-01:10pm M, STSS 119, instruction mode: Classroom; Meets with: 23445 HSCI 3714, 4 cr

23436 004 DIS, 02:30pm-03:20pm M, STSS 119, instruction mode: Classroom; Meets with: 23446 HSCI 3714, 4 cr

23437 005 DIS, 09:05am-09:55am T, STSS 119, instruction mode: Classroom; Meets with: 23447 HSCI 3714, 4 cr

23438 006 DIS, 01:25pm-02:15pm T, STSS 117, instruction mode: Classroom; Meets with: 23448 HSCI 3714, 4 cr

23439 007 DIS, 09:05am-09:55am W, STSS 119, instruction mode: Classroom; Meets with: 23449 HSCI 3714, 4 cr

23440 008 DIS, 12:20pm-01:10pm W, STSS 119, instruction mode: Classroom; Meets with: 23450 HSCI 3714, 4 cr

23441 009 DIS, 01:25pm-02:15pm Th, STSS 432B, instruction mode: Classroom; Meets with: 23451 HSCI 3714, 4 cr

25396 010 DIS, 10:10am-11:00am F, STSS 119, instruction mode: Classroom; Meets with: 25399 HSCI 3714, 4 cr

25397 011 DIS, 11:15am-12:05pm F, STSS 121, instruction mode: Classroom; Meets with: 25400 HSCI 3714, 4 cr

1715 Technology and Civilization: Waterwheels to the Web

(Credit will not be granted if credit has been received for: HSCI 3715; max crs 4; meets CLE req of Historical Perspectives; meets CLE req of Technology and Society)

24630 I001 LEC, 06:15pm-09:00pm M, AkerH 227, instruction mode: Classroom; Meets with: 23442 HSCI 3715; Thomas, Mary Margaret, 3 cr

25515 I002 LEC, 06:15pm-09:00pm W, RapsonH 56, instruction mode: Classroom; Meets with: 24675 HSCI 3715; Thomas, Mary Margaret, 3 cr

1814 Revolutions in Science: The Babylonians to Newton

(Credit will not be granted if credit has been received for: HSCI 3814; max crs 4; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives)

001 LEC, 10:10am-11:00am MWF, SmithH 231, instruction mode: Classroom; Meets with: 23419 HSCI 3814; Boantza, Victor Dan

23420 002 DIS, 11:15am-12:05pm M, STSS 420A, instruction mode: Classroom; Meets with: 23426 HSCI 3814, 4 cr

23421 003 DIS, 10:10am-11:00am T, STSS 119, instruction mode: Classroom; Meets with: 23427 HSCI 3814, 4 cr

23422 004 DIS, 02:30pm-03:20pm W, STSS 119, instruction mode: Classroom; Meets with: 23428 HSCI 3814, 4 cr

23423 005 DIS, 09:05am-09:55am F, STSS 119, instruction mode: Classroom; Meets with: 23429 HSCI 3814, 4 cr

2333V Honors Course: Science and Technology in the American Century

(A-F; meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives; meets HON req of Honors)

001 LEC, 01:25pm-02:15pm MW, STSS 144, instruction mode: Classroom; Kohlstedt, Sally Gregory
33840 002 DIS, 01:25pm-02:15pm Th, AkerH 327, instruction mode: Classroom, 3 cr

33841 003 DIS, 02:30pm-03:20pm Th, STSS 119, instruction mode: Classroom, 3 cr

3211 Biology and Culture in the 19th and 20th Centuries

(Credit will not be granted if credit has been received for: HSCI 5211; meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives)

18138 001 LEC, 11:15am-12:30pm TTh, STSS 131A, instruction mode: Classroom; Meets with: 22937 HSCI 5211; Borrello, Mark E, 3 cr

3244 History of Ecology and Environmentalism

(Credit will not be granted if credit has been received for: HSCI 5244; meets CLE req of Environment; meets CLE req of Historical Perspectives)

18112 001 LEC, 11:15am-12:30pm TTh, RapsonH 45, instruction mode: Classroom; Meets with: 18113 HSCI 5244; Jones, Susan D., 3 cr

3401 Ethics in Science and Technology

(Credit will not be granted if credit has been received for: HSCI 5401; meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives)

24124 001 LEC, 11:15am-12:05pm MWF, RapsonH 31, 11:15am-12:05pm F, RapsonH 45, instruction mode: Classroom; Meets with: 24125 HSCI 5401; Buchanan, Nicholas Seong Chul, 3 cr

3714 Technology and Civilization: Stone Tools to Steam Engines

(Credit will not be granted if credit has been received for: HSCI 1714; max crs 4; meets CLE req of Historical Perspectives; meets CLE req of Technology and Society)

001 LEC, 01:25pm-02:15pm MWF, KHKH 3-210, instruction mode: Classroom; Meets with: 23433 HSCI 1714; Alexander, Jennifer Karns

23444 002 DIS, 10:10am-11:00am M, STSS 119, instruction mode: Classroom; Meets with: 23434 HSCI 1714, 4 cr

23445 003 DIS, 12:20pm-01:10pm M, STSS 119, instruction mode: Classroom; Meets with: 23435 HSCI 1714, 4 cr

23446 004 DIS, 02:30pm-03:20pm M, STSS 119, instruction mode: Classroom; Meets with: 23436 HSCI 1714, 4 cr

23447 005 DIS, 09:05am-09:55am T, STSS 119, instruction mode: Classroom; Meets with: 23437 HSCI 1714, 4 cr

23448 006 DIS, 01:25pm-02:15pm T, STSS 117, instruction mode: Classroom; Meets with: 23438 HSCI 1714, 4 cr

23449 007 DIS, 09:05am-09:55am W, STSS 119, instruction mode: Classroom; Meets with: 23439 HSCI 1714, 4 cr

23450 008 DIS, 12:20pm-01:10pm W, STSS 119, instruction mode: Classroom; Meets with: 23440 HSCI 1714, 4 cr

23451 009 DIS, 01:25pm-02:15pm Th, STSS 432B, instruction mode: Classroom; Meets with: 23441 HSCI 1714, 4 cr

25399 010 DIS, 10:10am-11:00am F, STSS 119, instruction mode: Classroom; Meets with: 25396 HSCI 1714, 4 cr

25400 011 DIS, 11:15am-12:05pm F, STSS 121, instruction mode: Classroom; Meets with: 25397 HSCI 1714, 4 cr

3715 Technology and Civilization: Waterwheels to the Web

(Credit will not be granted if credit has been received for: HSCI 1715; max crs 4; meets CLE req of Historical Perspectives; meets CLE req of Technology and Society)

23442 I001 LEC, 06:15pm-09:00pm M, AkerH 227, instruction mode: Classroom; Meets with: 24630 HSCI 1715; Thomas, Mary Margaret, 3 cr

24675 I002 LEC, 06:15pm-09:00pm W, RapsonH 56, instruction mode: Classroom; Meets with: 25515 HSCI 1715; Thomas, Mary Margaret, 3 cr

3814 Revolutions in Science: The Babylonians to Newton

(Credit will not be granted if credit has been received for: HSCI 1814; max crs 4; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives)

001 LEC, 10:10am-11:00am MWF, SmithH 231, instruction mode: Classroom; Meets with: 23418 HSCI 1814; Boantz, Victor Dan

23426 002 DIS, 11:15am-12:05pm M, STSS 420A, instruction mode: Classroom; Meets with: 23420 HSCI 1814, 4 cr

23427 003 DIS, 10:10am-11:00am T, STSS 119, instruction mode: Classroom; Meets with: 23421 HSCI 1814, 4 cr

23428 004 DIS, 02:30pm-03:20pm W, STSS 119, instruction mode: Classroom; Meets with: 23422 HSCI 1814, 4 cr

23429 005 DIS, 09:05am-09:55am F, STSS 119, instruction mode: Classroom; Meets with: 23423 HSCI 1814, 4 cr

4321 History of Computing

(Credit will not be granted if credit has been received for: CSCI 4921; meets CLE req of Historical Perspectives; meets CLE req of Technology and Society)

25403 001 LEC, 01:00pm-02:15pm TTh, AkerH 211, instruction mode: Classroom; Meets with: 33852 CSCI 4921; Clemens, Jonathan Scott, 3 cr

5211 Biology and Culture in the 19th and 20th Centuries

(Credit will not be granted if credit has been received for: HSCI 3211; meets CLE req of Civic Life and Ethics)

22937 001 LEC, 11:15am-12:30pm TTh, STSS 131A, instruction mode: Classroom; Meets with: 18138 HSCI 3211; Borrello, Mark E, 3 cr

5244 History of Ecology and Environmentalism

(Credit will not be granted if credit has been received for: HSCI 3244)

18113 001 LEC, 11:15am-12:30pm TTh, RapsonH 45, instruction mode: Classroom; Meets with: 18112 HSCI 3244; Jones, Susan D., 3 cr

5401 Ethics in Science and Technology

(Credit will not be granted if credit has been received for: HSCI 3401)

24125 001 LEC, 11:15am-12:05pm MWF, RapsonH 31, 11:15am-12:05pm F, RapsonH 45, instruction mode: Classroom; Meets with: 24124 HSCI 3401; Buchanan, Nicholas Seong Chul, 3 cr

5993 Directed Studies

(max crs 15; prereq instr consent)

12031 001 IND, instruction mode: Classroom, 1-15 cr
22272 002 IND, instruction mode: Classroom, 1-15 cr

5994 Directed Research

(max crs 15; prereq instr consent)

12030 001 IND, instruction mode: Classroom, 1-15 cr

8112 Historiography of Science, Technology, and Medicine (A-F)

17793 001 LEC, 03:35pm-05:30pm W, ShepLab 127, instruction mode: Classroom; Meets with: 18173 HMEID 8112; Tobbell, Dominique Avril, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13980 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14114 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14234 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))

14317 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13751 001 IND, instruction mode: Classroom, 1-24 cr

8950 Seminar: Science and Technology in Cultural Settings (prereq instr consent)

33837 001 LEC, 03:35pm-05:30pm M, ShepLab 127, instruction mode: Classroom; Alexander, Jennifer Karns, 3 cr

8993 Directed Studies

(max crs 15; 15 repeats allowed; prereq instr consent)

12028 001 IND, instruction mode: Classroom, 1-5 cr
26592 002 IND, instruction mode: Classroom, 1-5 cr

8994 Directed Research

(max crs 15; 15 repeats allowed)

12027 001 IND, instruction mode: Classroom, 1-5 cr

HMONG (Hmg)

220 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6534, <http://all.umn.edu>

1011 Beginning Hmong I

(Credit will not be granted if credit has been received for: HMNG 4001)

21404 001 DIS, 01:25pm-02:15pm MTWThF, KoltH 140, instruction mode: Classroom; Meets with: 21405 HMNG 4001; Vang, Bee, 5 cr

19813 I050 DIS, 06:15pm-08:35pm MW, KoltH 138, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 20287 HMNG 4001; LeYang, Maxwell, 5 cr

1015 Accelerated Beginning Hmong

(Credit will not be granted if credit has been received for: HMNG 4005; prereq Ability in basic spoken Hmong)

22376 I001 LEC, 04:40pm-05:30pm MTWThF, FolH 123, instruction mode: Classroom; Meets with: 22377 HMNG 4005; Vang, Bee, 5 cr

3021 Intermediate Hmong I

(Credit will not be granted if credit has been received for: HMNG 4003; prereq 1002 or 1012 or 1015 or instr consent)

16181 001 DIS, 03:35pm-04:25pm MTWThF, FolH 31, instruction mode: Classroom; Meets with: 17206 HMNG 4003; LeYang, Maxwell, 5 cr

22393 I050 DIS, 06:15pm-08:35pm TTh, KoltH 140, instruction mode: Classroom; Meets with: 21404 HMNG 4003; LeYang, Maxwell, 5 cr

4001 Beginning Hmong I

(Credit will not be granted if credit has been received for: HMNG 1011; prereq Grad student)

21405 001 DIS, 01:25pm-02:15pm MTWThF, KoltH 140, instruction mode: Classroom; Meets with: 16181 HMNG 1011; Vang, Bee, 3 cr

20287 I050 DIS, 06:15pm-08:35pm MW, KoltH 138, instruction mode: Classroom; Meets with: 19813 HMNG 1011; LeYang, Maxwell, 3 cr

4003 Intermediate Hmong I

(Credit will not be granted if credit has been received for: HMNG 3021; prereq 4002, grad student)

17206 001 DIS, 03:35pm-04:25pm MTWThF, FolH 31, instruction mode: Classroom; Meets with: 16181 HMNG 3021; LeYang, Maxwell, 3 cr

22394 I050 DIS, 06:15pm-08:35pm TTh, KoltH 140, instruction mode: Classroom; Meets with: 22393 HMNG 3021; LeYang, Maxwell, 3 cr

4005 Accelerated Beginning Hmong

(Credit will not be granted if credit has been received for: HMNG 1015; prereq basic spoken Hmong, graduate or professional student)

22377 I001 DIS, 04:40pm-05:30pm MTWThF, FolH 123, instruction mode: Classroom; Meets with: 22376 HMNG 1015; Vang, Bee, 3 cr

HONORS SEMINAR (HSem)

20 Nicholson Hall, 216 Pillsbury Drive S E, East Bank Campus, Minneapolis, MN, 55455
612/624-5522, <http://www.honors.umn.edu/>

2007H Honors Seminar

(max crs 9; 3 repeats allowed; A-F; prereq freshman or sophomore Honors student; meets CLE req of Diversity and Soc Justice US; meets HON req of Honors)

34480 001 LEC, 01:25pm-03:20pm M, HHHctr 60, instruction mode: Classroom; Course Topic: "Race and Sport"

2009H Honors Seminar

(A-F; prereq Fr or soph honors student; meets CLE req of Global Perspectives; meets HON req of Honors)

26279 001 DIS, 04:00pm-05:15pm MW, . ROOM-TBA, instruction mode: Classroom; Art and Politics: From Marcel Duchamp to Ai Weiwei

2010H Honors Seminar

(max crs 9; 3 repeats allowed; A-F only; prereq [Fr or soph], honors student; meets HON req of Honors)

34481 001 LEC, 02:30pm-03:45pm TTh, Regis E231, instruction mode: Classroom; Course Topic: "Ecological! Environmental Art in the 21st Century"

2047H Honors Seminar

(A-F; prereq Fr or soph honors student; meets CLE req of Technology and Society; meets HON req of Honors)
26280 001 DIS, 11:15am-12:05pm MWF, FergH 225,
instruction mode: Classroom; For more course information go to <http://z.umn.edu/hsemf15>

2051H Honors Seminar

(max crs 12; 4 repeats allowed; A-F; meets HON req of Honors)
34483 001 LEC, 02:30pm-03:45pm WF, BlegH 110,
instruction mode: Classroom; Course Topic: "War Makes Worlds: How Today's 'Perpetual War' Shapes Our Lives"

2101H Honors Seminar

(max crs 3; A-F; prereq [Fr or soph] honors student; meets HON req of Honors)
26602 001 DIS, 03:00pm-04:55pm T, McNH 146, STPAUL,
instruction mode: Classroom; For more course information go to <http://z.umn.edu/hsemf15>

2105H Honors Seminar

(max crs 3; A-F; prereq Fr or soph honors student; meets HON req of Honors)
25869 001 DIS, 11:15am-01:10pm T, Room TBA,
TCEASTBANK, instruction mode: Classroom; Course Topic: "Tropical Forests: Conservation, Carbon, and Conflict"

2106H Honors Seminar

(max crs 3; A-F; prereq Fr or soph honors student; meets HON req of Honors)
34487 001 DIS, 11:15am-12:30pm TTh, NichH 345,
instruction mode: Classroom; Course Topic: "Sex and Animal Behavior: What We Can and Can't Learn About Sex from Animals"

2307H Honors Seminar

(max crs 3; A-F; prereq [Fr or soph] honors student; meets HON req of Honors)
34854 001 DIS, 12:20pm-02:15pm W, NMA 240, instruction mode: Classroom; Course Topic: "Readings: The Unpersuadables: Adventures with the Enemies of Science by Will Storr"

2325H Honors Seminar

(max crs 3; A-F; prereq [Fr or Soph] honors student; meets HON req of Honors)
34855 001 DIS, 09:45am-11:00am TTh, NMA 240, instruction mode: Classroom; Course Topic: "Fantasy Literature: A Ghastly Wicked Introduction"

2413H Honors Seminar

(max crs 3; A-F; prereq [Fr or soph], honors; meets HON req of Honors)
34489 001 DIS, 09:45am-11:00am TTh, CarlSMgmt 1-136,
instruction mode: Classroom; For more course information go to <http://z.umn.edu/hsemf15>

2514H Honors Seminar

(max crs 3; A-F; prereq [Fr or soph] honors student; meets HON req of Honors)
34857 001 DIS, 02:30pm-05:30pm M, . NONSTD-TBA,
instruction mode: Classroom; Course Topic: "My Other Car is a Bicycle"

2624H Honors Seminar

(max crs 3; A-F; prereq [Fr or soph] honors student; meets CLE req of Technology and Society; meets HON req of Honors)
25897 001 LEC, 09:45am-11:00am MW, NMA 240, instruction mode: Classroom; Course Topic: "Reality 101" or "A Survey of the Human Predicament"

2801H Honors Seminar

(A-F; prereq Honors student; meets CLE req of Civic Life and Ethics; meets HON req of Honors)
25899 001 DIS, 03:35pm-06:05pm W, NMA 240, instruction mode: Classroom; For more course information go to <http://z.umn.edu/hsemf15>

3007H Honors Seminar

(max crs 3; A-F; prereq [Jr or sr] honors student; meets HON req of Honors)
34491 001 LEC, 01:00pm-02:15pm TTh, BlegH 105, instruction mode: Classroom; Course Topic: "Anthropological Reflections on Madness and Mental Health"

3035H Honors Seminar

(A-F; prereq [Fr or Soph] honors student; meets HON req of Honors)
34858 001 DIS, 01:25pm-04:25pm T, . NONSTD-TBA,
instruction mode: Classroom; Course Topic: "From Ebola to HIV: Disease, Inequality, and Global Health"

3037H Honors Seminar

(max crs 6; A-F; prereq [Jr or sr] honors student; meets HON req of Honors)
34492 001 LEC, 02:30pm-03:45pm MW, NichH 345,
instruction mode: Classroom; Course Topic: "History through Memoir"

3059H Honors Seminar

(max crs 3; A-F; meets HON req of Honors)
34495 001 LEC, 02:30pm-03:45pm TTh, ShevH 20,
instruction mode: Classroom; Course Topic: "The Neuroscience of Music and Language"

3701H Honors Seminar

(A-F; prereq [Jr or sr] honors student; meets HON req of Honors)
25902 001 DIS, 03:35pm-05:30pm M, BlegH 225, instruction mode: Classroom; Course Topic: "Exercise is Medicine"

3715H Honors Seminar

(max crs 3; A-F; prereq [Jr or sr] honors student; meets HON req of Honors)
34969 001 DIS, 11:15am-12:30pm TTh, FolH 104, instruction mode: Classroom, 2-3 cr

3801H Honors Seminar

(max crs 3; A-F; prereq [Jr or sr], honors; meets CLE req of Global Perspectives; meets HON req of Honors)
25903 001 LEC, 04:00pm-05:15pm TTh, CarlSMgmt 2-228,
instruction mode: Classroom; Course Topic: "Modern China: History, Law, and Culture"

HORTICULTURAL SCIENCE (Hort)

305 Alderman Hall, 1970 Folwell Ave, St Paul Campus, St Paul, MN, 55108
612/624-5300, <http://www.horticulture.umn.edu>

1001 Plant Propagation

(meets CLE req of Biological Sciences)
1001 LEC, 05:10pm-06:30pm W, BorH 335, STPAUL,
instruction mode: Primarily Online; Lecture content for this course will be delivered on-line and attendance in this lecture is recommended. See course guide for more information on this hybrid format. Students must have regular access to high speed internet and a basic digital camera.; Meets with: 21274 HORT 6011; Michaels, Thomas E
11797 002 LAB, 09:35am-11:30am T, PlntGrwth 140A, STPAUL, instruction mode: Classroom; Meets with: 21277 HORT 6011; Michaels, Thomas E; Peters, William Lee, 4 cr
11798 003 LAB, 01:15pm-03:10pm T, PlntGrwth 140A, STPAUL, instruction mode: Classroom; Meets with: 21276 HORT 6011; Michaels, Thomas E; Peters, William Lee, 4 cr
11799 004 LAB, 09:35am-11:30am Th, PlntGrwth 140A, STPAUL, instruction mode: Classroom; 6 seats reserved for CFANS NHS; Meets with: 21279 HORT 6011; Michaels, Thomas E; Peters, William Lee, 4 cr
11800 005 LAB, 01:15pm-03:10pm Th, PlntGrwth 140A, STPAUL, instruction mode: Classroom; 3 seats reserved for CFANS NHS; Meets with: 21278 HORT 6011; Michaels, Thomas E; Peters, William Lee, 4 cr
18226 1006 LAB, 06:45pm-08:45pm W, AlderH 415, STPAUL, instruction mode: Classroom; Meets with: 21280 HORT 6011; Michaels, Thomas E; Peters, William Lee, 4 cr

1013 Floral Design

001 LEC, 12:50pm-01:40pm Th, PlntGrwth 103, STPAUL, instruction mode: Classroom; Anderson, Neil O.
21281 002 LAB, 01:55pm-04:55pm Th, PlntGrwth 103, STPAUL, instruction mode: Classroom; Anderson, Neil O., 3 cr

1015 Woody and Herbaceous Plants

(A-F)
001 LEC, 08:30am-09:20am TTh, PlntGrwth 140A/B, STPAUL, instruction mode: Classroom; Hokanson, Stan C
17149 002 LAB, 09:35am-11:30am TTh, PlntGrwth 140B, STPAUL, instruction mode: Classroom; Hokanson, Stan C; Susko, Alexander Q, 4 cr
17150 003 LAB, 11:45am-01:40pm TTh, PlntGrwth 140B, STPAUL, instruction mode: Classroom; Hokanson, Stan C; Susko, Alexander Q, 4 cr
20899 004 LAB, 01:55pm-03:50pm TTh, PlntGrwth 140B, STPAUL, instruction mode: Classroom; Hokanson, Stan C; Susko, Alexander Q, 4 cr

1031 Vines and Wines: Introduction to Viticulture and Enology

(OPN; prereq 21 yrs of age by date of 1st class meeting)

1001 LEC, 05:10pm-06:15pm M, AlderH 405, STPAUL,
instruction mode: Partially Online; Luby, James Joseph
17510 1002 DIS, 06:15pm-08:00pm M, AlderH 405, STPAUL,
instruction mode: Classroom; Luby, James Joseph, 3 cr

1090 Directed Studies

(max crs 3; prereq instr consent or department permission)
22065 001 IND, instruction mode: Independent/Directed Studies; Approved field, lab or greenhouse experiences in application of horticultural information and practices.

1901 Topics: Freshman Seminar

(prereq Fr; meets CLE req of Environment)
22673 1001 LEC, 06:00pm-09:00pm Th, AlderH 310, STPAUL, instruction mode: Classroom; First class meets in 310 Alderman Hall. Students will be provided with weekly transportation from the St. Paul and Minneapolis campuses to the Minnesota Landscape Arboretum, Chanhassen, MN; Meyer, Mary Hockenberry, 3 cr

2031 Organic Horticulture and Sustainable Food Systems

001 LEC, 04:00pm-05:15pm TTh, AlderH 415, instruction mode: Classroom; Rogers, Mary Anne
31495 002 DIS, instruction mode: Classroom, 3 cr

2100 Agricultural Biochemistry

(A-F; prereq CHEM 1011 or [1015, Concurrent registration is required (or allowed) in 1017] or CHEM 1021 or instr consent)
19244 001 LEC, 08:30am-09:20am MWF, AlderH 405, STPAUL, instruction mode: Classroom; Hegeman, Adrian D, 3 cr

3090 Directed Studies

(max crs 6; 6 repeats allowed; prereq Nonfr, instr consent)
19253 001 IND, instruction mode: Classroom; Approved field, lab or greenhouse experiences in application of horticultural information and practices.

4015 Advanced Woody and Herbaceous Plant Topics

(max crs 7; 7 repeats allowed; A-F only; prereq 1015)
26162 1001 LEC, 05:30pm-08:30pm MW, . NORMREQD, OFFCAMPUS, instruction mode: Classroom; This will be held at the Minnesota Landscape Arboretum, Chanhassen, MN, Snyder Building, Classroom #2. Let Evonne know if you need help with transportation to and from.

4061W Turfgrass Management

(A-F; prereq 1001 or instr consent; meets CLE req of Writing Intensive)
001 LEC, 12:50pm-01:40pm W, AlderH 405, STPAUL, instruction mode: Classroom; Partially online; Watkins, Eric
11810 002 LAB, 01:55pm-02:45pm W, AlderH 405, STPAUL, instruction mode: Classroom; Watkins, Eric, 3 cr

4062 Turfgrass Weed and Disease Science

(max crs 3; A-F; prereq [4061, PLPA 2001] or instr consent)
001 LEC, 12:50pm-01:40pm M, PlntGrwth 132, STPAUL, instruction mode: Classroom; Watkins, Eric
31297 002 LAB, 01:55pm-04:45pm M, PlntGrwth 132, STPAUL, instruction mode: Classroom; Watkins, Eric, 1-3 cr

4071W Applications of Biotechnology to Plant Improvement

(prereq [Biol 1009 or equiv or grad student], instr consent; meets CLE req of Writing Intensive)
001 LEC, 10:40am-11:30am MW, PlntGrwth 132, STPAUL, instruction mode: Classroom; Smith, Alan G
11700 002 LAB, 10:40am-12:35pm TTh, PlntGrwth 132, STPAUL, instruction mode: Classroom; Felegy, Latrenea Kathleen; Smith, Alan G, 4 cr

4096 Professional Experience Program: Internship

(max crs 2; S-N; prereq CFANS undergrad, completed internship contract prior to employment)
11790 001 FWK, instruction mode: Classroom; Watkins, Eric, 1 cr

4096W Professional Experience Program: Internship

(A-F; prereq CFANS undergrad; meets CLE req of Writing Intensive)
21284 001 FWK, instruction mode: Independent/Directed Studies; Watkins, Eric, 2 cr

4141W Plant Production I

(A-F; prereq 1001 or 1015 or instr consent; meets CLE req of Writing Intensive)

001 LEC, 09:35am-10:25am MW, AlderH 415, STPAUL, instruction mode: Classroom; Erwin, John E
18436 002 LAB, 12:50pm-04:55pm W, PlntGrwth 140A, STPAUL, instruction mode: Classroom; Erwin, John E, 4 cr

4461 Horticultural Marketing

(Credit will not be granted if credit has been received for: APEC 4461; A-F; prereq APEC 1101 or ECON 1101)
19297 001 LEC, 01:30pm-02:45pm TTh, AlderH 415, STPAUL, instruction mode: Classroom; Students will attend two field trips on Friday afternoons (3.5 hours) Dates TBD; Meets with: 19300 APEC 4461; Yue, Chengyan, 3 cr

5011 Common Chinese Medicinal Plants: Classification, Identification, and Application

(prereq 1001 or BIOL 1009 or instr consent)
001 LEC, 11:45am-12:35pm WF, PlntGrwth 140A, STPAUL, instruction mode: Classroom; Chen, Changbin
31302 002 LAB, 12:50pm-02:45pm F, PlntGrwth 140A, STPAUL, instruction mode: Classroom; Chen, Changbin, 3 cr

5031 Fruit Production and Viticulture for Local and Organic Markets

(A-F only; prereq [1001, 3005] or instr consent)
31300 001 LEC, 12:50pm-03:50pm M, PetH 145, STPAUL, instruction mode: Classroom; Hoover, Emily; Luby, James Joseph, 3 cr

5090 Directed Studies

(max crs 6; 6 repeats allowed; prereq 8 cr upper div Hort courses, instr consent)
31298 001 IND, instruction mode: Classroom; Erwin, John E, 1-3 cr

6002 Problem Solving in Horticulture

(max crs 4; S-N; prereq Completion of 18 cr in master of agriculture in horticulture program or instr consent)
12994 001 IND, 05:10pm-06:00pm W, AlderH 310, STPAUL, instruction mode: Classroom, 2-4 cr

6003 Masters of Professional Studies in Horticulture Professional Experience Program: Internship

(max crs 6; S-N; prereq Masters of professional studies in horticulture student, completed internship contract, instr consent)
14383 001 FWK, instruction mode: Classroom; Erwin, John E, 1-3 cr

6011 Plant Propagation

(A-F; prereq Master of Professional Studies or instr consent)
1001 LEC, 05:10pm-06:30pm W, BorH 335, STPAUL, instruction mode: Primarily Online; Contact Evonne Kuyper (kuype001@umn.edu) for a permission number to enroll.
21277 002 LAB, 09:35am-11:30am T, PlntGrwth 140A, STPAUL, instruction mode: Classroom; Contact Evonne Kuyper (kuype001@umn.edu) for a permission number to enroll.
21276 003 LAB, 01:15pm-03:10pm T, PlntGrwth 140A, STPAUL, instruction mode: Classroom; Contact Evonne Kuyper (kuype001@umn.edu) for a permission number to enroll.
21279 004 LAB, 09:35am-11:30am Th, PlntGrwth 140A, STPAUL, instruction mode: Classroom; Contact Evonne Kuyper (kuype001@umn.edu) for a permission number to enroll.
21278 005 LAB, 01:15pm-03:10pm Th, PlntGrwth 140A, STPAUL, instruction mode: Classroom; Contact Evonne Kuyper (kuype001@umn.edu) for a permission number to enroll.
21280 1006 LAB, 06:45pm-08:45pm W, AlderH 415, STPAUL, instruction mode: Classroom; Contact Evonne Kuyper (kuype001@umn.edu) for a permission number to enroll.

8007 Extension Horticulture Practicum

(max crs 5; prereq 9 grad cr in [ag or bio] science, instr consent)
11770 001 FWK, instruction mode: Classroom; Luby, James Joseph, 1-5 cr

8090 Graduate Horticultural Research

(max crs 18; 18 repeats allowed; prereq instr consent)
11771 001 IND, instruction mode: Classroom; Luby, James Joseph, 1-12 cr

8270 Graduate Seminar

(Credit will not be granted if credit has been received for: AGRO 8270; A-F only; prereq Grad major in [hort

or applied plant sciences or ent or agro or plnt brdg or pint path or soil] or instr consent)

15142 001 LEC, 03:00pm-03:50pm M, AlderH 415, STPAUL, instruction mode: Classroom; Meets with: 17093 AGRO 8270; Wyse, Donald L, 1 cr

HOUSING STUDIES (Hsg)

240 McNeal Hall, 1985 Buford Ave, St. Paul Campus, St. Paul, MN, 55108
612/624-9700, <http://dha.design.umn.edu>

1461 Introduction to Housing

(A-F only; credit will not be granted if credit already received for: DHA 2401)
12816 001 LEC, 10:15am-11:30am TTh, McNH 146, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; 10 seats reserved for SEAM, 3 cr

2196 Work Experience in Housing Studies

(max crs 8; S-N; prereq Plan submitted/approved by [adviser, internship supervisor], written approval of supervisor, instr consent)
20477 001 FWK, instruction mode: Independent/Directed Studies; Yust, Becky L, 1-4 cr
20478 002 FWK, instruction mode: Independent/Directed Studies; Bruin, Marilyn J, 1-4 cr
20479 003 FWK, instruction mode: Independent/Directed Studies; Crump, Jeffrey R, 1-4 cr

3482 Sustainable Housing: Community, Environment, and Technology

(Credit will not be granted if credit has been received for: ESPM 3601; A-F only; credit will not be granted if credit already received for: DHA 3482; meets CLE req of Technology and Society)
21981 001 LEC, 01:30pm-02:45pm MW, BorH 335, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; Meets with: 21969 ESPM 3601, 3 cr

4160H Honors Capstone Project

(max crs 4; A-F; prereq Housing studies honors; meets HON req of Honors)
20540 001 LEC, instruction mode: Classroom; Yust, Becky L, 2 cr
20541 002 LEC, instruction mode: Classroom; Bruin, Marilyn J, 2 cr
20542 003 LEC, instruction mode: Classroom; Crump, Jeffrey R, 2 cr

4193 Directed Study in Housing Studies

(max crs 8; A-F only; prereq Undergrad, instr consent)
20408 001 IND, instruction mode: Independent/Directed Studies; Yust, Becky L, 1-4 cr
20404 002 IND, instruction mode: Independent/Directed Studies; Bruin, Marilyn J, 1-4 cr
20406 003 IND, instruction mode: Independent/Directed Studies; Crump, Jeffrey R, 1-4 cr

4196 Internship in Housing Studies

(Credit will not be granted if credit has been received for: ADES 4196, GDES 4196; max crs 4; S-N only; prereq Completion of at least one-half of professional sequence, plan submitted/approved in advance by [adviser, internship supervisor], written consent of faculty supervisor, instr consent; credit will not be granted if credit already received for: DHA 4196)
20409 001 FWK, instruction mode: Independent/Directed Studies; Yust, Becky L, 1-4 cr
20410 002 FWK, instruction mode: Independent/Directed Studies; Bruin, Marilyn J, 1-4 cr
20411 003 FWK, instruction mode: Independent/Directed Studies; Crump, Jeffrey R, 1-4 cr

4467W Housing and the Social Environment

(A-F only; prereq 2401 or DHA 2401 or instr consent; credit will not be granted if credit already received for: DHA 5467W; meets CLE req of Writing Intensive)
14408 001 LEC, 08:30am-10:25am MW, McNH 395, STPAUL, instruction mode: Classroom; Meets with: 20327 HSG 5467; Yust, Becky L, 4 cr

5193 Directed Study in Housing Studies

(max crs 8; A-F only; prereq Jr or sr or grad student)
20414 001 IND, instruction mode: Independent/Directed Studies; Yust, Becky L, 1-4 cr
20415 002 IND, instruction mode: Independent/Directed Studies; Bruin, Marilyn J, 1-4 cr
20416 003 IND, instruction mode: Independent/Directed Studies; Crump, Jeffrey R, 1-4 cr

5467 Housing and the Social Environment

(A-F only; prereq Grad student; credit will not be granted if credit already received for: DHA 5467W)
20327 001 LEC, 08:30am-10:25am MW, McNH 395, STPAUL, instruction mode: Classroom; Meets with: 14408 HSG 4467W; Yust, Becky L, 4 cr

5481 Promoting Independence in Housing and Community

(A-F only; prereq [[2401 or DHA 2401], [jr or sr or grad student]] or instr consent; credit will not be granted if credit already received for: DHA 5481)
31566 001 LEC, 11:45am-01:00pm MW, McNH 395, STPAUL, instruction mode: Classroom; Bruin, Marilyn J, 3 cr

8192 Readings in Housing Studies

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)
20439 001 IND, instruction mode: Classroom; Yust, Becky L, 1-3 cr
20440 002 IND, instruction mode: Classroom; Bruin, Marilyn J, 1-3 cr
20441 003 IND, instruction mode: Classroom; Crump, Jeffrey R, 1-3 cr
20442 004 IND, instruction mode: Classroom; Ziebarth PhD, Ann, 1-3 cr

8193 Directed Study

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)
20419 001 IND, instruction mode: Classroom; Yust, Becky L, 1-3 cr
20420 002 IND, instruction mode: Classroom; Bruin, Marilyn J, 1-3 cr
20421 003 IND, instruction mode: Classroom; Crump, Jeffrey R, 1-3 cr

8222 Plan B Master's Project

(S-N only; prereq [DHA or design master's] student, instr consent)
20451 001 IND, instruction mode: Classroom; Yust, Becky L, 3 cr
20452 002 IND, instruction mode: Classroom; Bruin, Marilyn J, 3 cr
20453 003 IND, instruction mode: Classroom; Crump, Jeffrey R, 3 cr

8467 Theoretical Perspectives in Housing Studies

(A-F only; prereq 5467 or DHA 5467 or instr consent; credit will not be granted if credit already received for: DHA 8467)
31565 001 LEC, 03:00pm-05:45pm T, McNH 395, STPAUL, instruction mode: Classroom; Ziebarth PhD, Ann, 3 cr

HUMAN FACTORS (HumF)

240 McNeal Hall, 1985 Buford Avenue, St Paul Campus, St Paul, MN, 55108
612/624-9700, <http://www.design.umn.edu>

5001 Foundations of Human Factors/ Ergonomics

(Credit will not be granted if credit has been received for: KIN 5001; A-F only; prereq Grad HumF major or minor or instr consent)
15732 001 LEC, 02:30pm-05:00pm W, MechE 221, instruction mode: Classroom; Meets with: 11464 KIN 5001; Smith, Thomas J, 3 cr

5211 Human Factors and Work Analysis

(Credit will not be granted if credit has been received for: IE 5511, ME 5211, IE 4511; A-F only)
19922 1001 LEC, 06:10pm-09:30pm W, MechE 108, instruction mode: Classroom; Meets with: 11452 IE 5511, 24885 IE 4511, 4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser consent, DGS consent)
23766 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser consent, DGS consent)
23767 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr)
23313 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

23768 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

23769 001 IND, instruction mode: Classroom, 1-24 cr

HUMANITIES (Hum)

831 Heller Hall, 271-19th Ave So, West Bank Campus, Minneapolis, MN, 55455
612/625-6563, <http://humanities.umn.edu>

4721 Special Topics in Humanities

(max crs 6; A-F only; prereq instr consent ; repeated enrollment allowed only if topics are different)

31627 001 LEC, 12:45pm-02:00pm MW, USq 314, ROCHESTER, instruction mode: Classroom; The topic for this course is: Immigrants, Refugees, and Medical Humanitarianism.; Puntì, Gemma; Ford, James Thomas, 3 cr

HUMAN RESOURCES AND INDUSTRIAL RELATIONS (HRIR)

3-300 Carlson School of Management, 321 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-2500, <http://www.csom.umn.edu>

3021 Human Resource Management and Industrial Relations

(Credit will not be granted if credit has been received for: HRIR 6009, IBUS 3021, HRIR 3021H; A-F; prereq ECON 1101, ECON 1102, PSY 1001)

23659 001 LEC, 09:45am-11:00am TTh, HMH 1-106, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student; Falink, Amy, 3 cr
15194 002 LEC, 01:00pm-02:15pm TTh, HMH 1-106, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student; Falink, Amy, 3 cr
15681 003 LEC, 02:30pm-03:45pm TTh, HMH 1-106, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student; Falink, Amy, 3 cr
18906 1020 LEC, 05:45pm-08:15pm Th, HMH 1-104, instruction mode: Classroom; non-CSOM Students only; 120 seats reserved for non CSOM program code only; Bourgerie, Larry David, 3 cr

19758 1021 LEC, 05:45pm-08:15pm T, HMH 1-104, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student; Falink, Amy, 3 cr

3041 The Individual in the Organization

(prereq 3021, [CSOM or HRD junior or senior or dept consent])

22384 001 LEC, 08:00am-09:40am TTh, CarlSMgmt 2-213, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

3042 The Individual and Organizational Performance

(prereq 3021, [CSOM or HRD junior or senior or dept consent])

22385 070 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; Benraouane, Sid Ahmed, 2 cr

3051 Compensation: Theory and Practice

(prereq 3021, [CSOM or HRD junior or senior or dept consent])

13848 001 LEC, 03:45pm-05:25pm TTh, CarlSMgmt 1-132, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

5222 Managing Diversity

(prereq HRIR MA student must register A-F, 3021, [CSOM or HRD junior or senior or dept consent])

19248 1060 LEC, 05:45pm-09:05pm M, CarlSMgmt L-126, 10/27/15-12/16/15, instruction mode: Classroom; 39 seats reserved for CSOM mjr, 60 cr, HRIR grad or, 2 cr

5252 Employment and Labor Law for the HRIR Professional

(prereq HRIR MA student must register A-F, 3021, [CSOM or HRD junior or senior or dept consent])

15098 1060 LEC, 05:45pm-09:05pm M, CarlSMgmt 2-219, 09/08/15-10/26/15, instruction mode: Classroom; For CSOM Students Only; 30 seats reserved for CSOM mjr, 60 cr, HRIR grad or; O'Toole, Carol Ann Berg, 2 cr

5442 Employee Performance Management: Strategies, Systems, and Skills

(prereq HRIR MA student must register A-F, 3021, [CSOM or HRD junior or senior or dept consent])

25040 1060 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-135, 09/08/15-10/26/15, instruction mode: Classroom; Bourgerie, Larry David, 2 cr

5443 Principles of Effective Coaching

(prereq HRIR MA student must register A-F, 3021, [CSOM or HRD junior or senior or dept consent])

25853 070 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; Benraouane, Sid Ahmed, 2 cr

5662 Personnel Economics

(prereq Prereq-HRIR MA student must register A-F, ECON 1101, [CSOM or HRD junior or senior or dept consent])

18468 1060 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-135, 10/27/15-12/16/15, instruction mode: Classroom; For CSOM Students Only; 48 seats reserved for CSOM mjr, 60 cr, HRIR grad or; Budd, John W., 2 cr

5992 Independent Study in Human Resources and Industrial Relations

(max crs 8; prereq dept consent or instr consent)

12981 001 IND, instruction mode: Classroom, 1-8 cr

6001 Business Principles for the HRIR Professional

(A-F; prereq HRIR MA student or dept consent)

20485 001 LEC, 09:55am-11:35am MW, CarlSMgmt 2-213, instruction mode: Classroom; Ben-Ner, Avner, 4 cr

6111 Using Data and Metrics in Human Resources and Industrial Relations

(A-F; prereq HRIR MA student or dept consent)

001 LEC, 03:45pm-05:25pm MW, CarlSMgmt 2-213, instruction mode: Classroom; Sojourner, Aaron
19155 002 LAB, 08:00am-09:40am Th, CarlSMgmt L-117, instruction mode: Classroom, 4 cr
12320 003 LAB, 09:55am-11:35am Th, CarlSMgmt L-117, instruction mode: Classroom, 4 cr
31357 1090 LAB, 05:45pm-09:05pm Th, CarlSMgmt L-117, instruction mode: Classroom, 4 cr
31358 1091 LAB, 05:45pm-09:05pm M, CarlSMgmt L-117, instruction mode: Classroom; Sojourner, Aaron, 4 cr

6301 Staffing, Training, and Development

(A-F; prereq HRIR MA student or dept consent)

17260 001 LEC, 03:25pm-05:25pm MW, CarlSMgmt 2-215, instruction mode: Classroom; Kammeyer-Mueller, John Daniel, 4 cr

6302 Staffing and Selection: Strategic and Operational Concerns

(A-F; prereq 6301 or dept consent)

16826 1060 LEC, 05:45pm-09:05pm T, CarlSMgmt 1-127, 09/08/15-10/26/15, instruction mode: Classroom; Tubre, Travis, 2 cr

6303 Employee Training: Creating a Learning Organization

(A-F; prereq 6301 or dept consent)

22383 1060 LEC, 05:45pm-09:05pm T, CarlSMgmt 1-135, 10/27/15-12/16/15, instruction mode: Classroom; Tubre, Travis, 2 cr

6465 Leadership and Personal Development

(A-F; prereq MBA or HRIR MA student or dept consent)

24047 050 LEC, 08:00am-05:00pm F, CarlSMgmt 2-224, 11/06/15-11/20/15, instruction mode: Classroom; This class meets 11/7, 11/14 and 11/21 only; 21 seats reserved for HRIR grad major; 6 seats reserved for MBA day student; 21 seats reserved for PTMBA student, 2 cr
24048 051 LEC, 08:00am-05:00pm S, CarlSMgmt 2-224, 11/07/15-11/21/15, instruction mode: Classroom; This class meets 11/8, 11/15 and 11/22 only; 21 seats reserved for PTMBA student; 6 seats reserved for MBA day student; 21 seats reserved for HRIR grad major, 2 cr

6484 Management of Teams

(Credit will not be granted if credit has been received for: MGMT 6084; A-F; prereq HRIR MA student or dept consent)

25041 070 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; This course is cross-listed with MGMT 6084; 12 seats reserved for HRIR MA student; 12 seats reserved for PTMBA student; Benraouane, Sid Ahmed, 2 cr

6501 Compensation and Benefits

(A-F; prereq HRIR MA student or dept consent)

31362 1090 LEC, 05:45pm-09:05pm W, HMH 1-109, instruction mode: Classroom; Benson, Alan, 4 cr

6801 HRIR in Practice: Strategy, Execution, and Ethics

(A-F; prereq [6001, 6111, 6301, 6401, 6441, 6501, 6701] or dept consent)

17782 1090 LEC, 05:45pm-08:15pm W, CarlSMgmt 1-114, instruction mode: Classroom; Doepner-Hove, Stacy, 2 cr

6992 Independent Study in Applied Human Resources and Industrial Relations

(max crs 8; S-N; prereq dept consent)

25854 001 IND, instruction mode: Classroom, 1-8 cr

8333 FTE: Master's

(NGA; prereq HRIR MA student, dept consent)

34655 001 IND, instruction mode: Classroom, 1 cr

8803 Core Seminar: Fundamentals of HR Research

(prereq [Business Admin PhD student or dept consent] ; grad majors must enroll A-F)

31364 001 LEC, 10/27/15-03/07/16, instruction mode: Classroom; Zhou, Le; Wanberg, Connie Rae, 4 cr

8820 Seminar: Special Topics in Work and Organizations Research

(max crs 12; 6 repeats allowed; prereq [Business Admin student or dept consent] ; grad majors must enroll A-F)

34970 001 LEC, 09/08/15-10/26/15, instruction mode: Classroom; Shah, Pri Pradhan, 2 cr

8825 Research Practicum/Workshop

(max crs 4; 4 repeats allowed; S-N; prereq Business Admin PhD student or dept consent)

21257 001 LEC, instruction mode: Classroom; Duffy, Michelle Kathleen, 1 cr

INDUSTRIAL ENGINEERING (IE)

125 Mechanical Engineering, 111 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-0705, <http://www.isye.umn.edu/>

1101 Foundations of Industrial and Systems Engineering

(A-F; prereq [MATH 1372 or equiv], CSE student)

24079 001 LEC, 02:30pm-04:25pm TTh, Mayo C231, instruction mode: Classroom, 4 cr

2021 Engineering Economics

(A-F; prereq [MATH 1372 or equiv], CSE student)

24081 001 LEC, 01:25pm-03:20pm MW, AndH 230, instruction mode: Classroom, 4 cr

3011 Optimization I

(A-F; prereq 1101, MATH 2374, MATH 2373, Upper Division CSE)

24883 001 LEC, 10:10am-12:05pm MW, PeikG G55, instruction mode: Classroom, 4 cr

3012 Optimization II

(A-F; prereq 3011, ISyE major)

32955 001 LEC, 10:10am-12:05pm MW, PeikG G65, instruction mode: Classroom, 4 cr

3521 Statistics, Quality, and Reliability

(prereq MATH 1372 or equiv)

11529 001 LEC, 10:10am-12:05pm TTh, MechE 18, instruction mode: Classroom, 4 cr
13346 1002 LEC, 06:10pm-09:30pm W, MechE 18, instruction mode: Classroom, 4 cr

4511 Human Factors

(Credit will not be granted if credit has been received for: IE 5511, HUMF 5211, ME 5211; A-F; prereq ISyE senior)

24885 1001 LEC, 06:10pm-09:30pm W, MechE 108, instruction mode: Classroom; Meets with: 19922 HUMF 5211, 11452 IE 5511, 4 cr

4541W Project Management

(Credit will not be granted if credit has been received for: IE 5541; A-F; prereq ISyE senior; meets CLE req of Writing Intensive)

24884 001 LEC, 10:10am-12:05pm TTh, STSS 412, instruction mode: Classroom, 4 cr

5111 Systems Engineering I

(A-F only; prereq CSE upper div or grad student)

17730 !001 LEC, 06:10pm-08:00pm M, MechE 108, instruction mode: Classroom, 2 cr
 19409 !883 LEC, 06:10pm-08:00pm M, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees (\$100/per credit). Registration form(s) are found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Question: 612-624-2332 or 877-668-6483. SECTION NOT CLOSED ? JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Monson, Robert James, 2 cr

5441 Financial Decision Making

(A-F; IT upper div or grad student; CSE upper div or grad student)

20888 001 LEC, 01:25pm-03:20pm TTh, BlegH 240, instruction mode: Classroom, 4 cr

5511 Human Factors and Work Analysis

(Credit will not be granted if credit has been received for: HUMF 5211, ME 5211, IE 4511; A-F only; prereq Upper div CSE or grad student)

11452 !001 LEC, 06:10pm-09:30pm W, MechE 108, instruction mode: Classroom; Meets with: 19922 HUMF 5211, 24885 IE 4511, 4 cr

17411 !883 LEC, 06:10pm-09:30pm W, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Blocker, Renaldo, 4 cr

5513 Engineering Safety

(A-F only; prereq Upper div CSE or grad student)

13347 !001 LEC, 06:10pm-09:30pm W, STSS 312, instruction mode: Classroom, 4 cr

5531 Engineering Optimization I

(prereq Upper div or grad student or CNR)

11530 001 LEC, 10:10am-12:05pm MW, RapsonH 45, instruction mode: Classroom; Meets with: 17739 MATH 5711, 4 cr

5541 Project Management

(Credit will not be granted if credit has been received for: IE 4541W; prereq Upper div or grad student)

13348 !001 LEC, 06:10pm-09:30pm T, MechE 212, instruction mode: Classroom, 4 cr

16745 !883 LEC, 06:10pm-09:30pm T, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Wong, Mimi, 4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13981 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14115 001 IND, instruction mode: Classroom, 1 cr

8531 Discrete Optimization

(max crs 8)

33835 001 LEC, 10:10am-12:05pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom, 4 cr

8532 Stochastic Processes and Queuing Systems**(prereq 4521 or equiv)**

11766 001 LEC, 12:20pm-02:15pm MW, AkerH 313, instruction mode: Classroom, 4 cr
 26248 883 LEC, 12:20pm-02:15pm MW, . ROOM-TBA, instruction mode: Primarily Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Cooper, William L., 4 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14235 001 IND, instruction mode: Classroom, 1-6 cr

8773 Graduate Seminar

(S-N only)

11667 001 LEC, 03:35pm-04:25pm W, MechE 4125A, 03:35pm-04:25pm W, MechE 4125B, instruction mode: Classroom; Meets with: 11668 IE 8774, 1 cr

8774 Graduate Seminar

(S-N only; prereq 8773)

11668 001 LEC, 03:35pm-04:25pm W, MechE 4125A, 03:35pm-04:25pm W, MechE 4125B, instruction mode: Classroom; Meets with: 11667 IE 8773, 1 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))

14318 001 IND, instruction mode: Classroom, 1-18 cr

8794 Industrial Engineering Research

(max crs 10; 10 repeats allowed; prereq instr consent)

11663 001 IND, instruction mode: Classroom; Cooper, William L.; Benjaafar, Saif, 1-6 cr

23343 002 IND, instruction mode: Classroom; Gupta, Diwakar, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13752 001 IND, instruction mode: Classroom, 1-24 cr

8951 Plan B Course

(S-N only)

15362 001 IND, instruction mode: Classroom, 1 cr

8991 Curricular Practical Training

(max crs 6; 3 repeats allowed; S-N)

24413 001 FWK, instruction mode: Classroom, 1-2 cr

INFORMATION AND DECISION SCIENCES (IDSc)

*3-353 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-8030, <http://www.csom.umn.edu>*

3001 Information Systems for Business Processes and Management

(A-F)

23400 001 LEC, 09:45am-11:00am MW, HMH 1-104, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student, 3 cr

23401 002 LEC, 08:15am-09:30am TTh, HMH 1-102, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student, 3 cr

23402 003 LEC, 11:15am-12:30pm TTh, HMH 1-102, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student, 3 cr

23404 004 LEC, 04:00pm-05:15pm MW, HMH 1-104, instruction mode: Classroom; non-CSOM Students only; 120 seats reserved for non-CSOM student, 3 cr

31366 005 LEC, 11:15am-12:30pm MW, HMH 1-106, instruction mode: Classroom; 90 seats reserved for CSOM student, 3 cr

23403 !020 LEC, 05:45pm-08:15pm W, HMH 1-102, instruction mode: Classroom; CSOM Students only; 89 seats reserved for CSOM student, 3 cr

3001H Honors: Information Systems for Business Processes and Management

(A-F only; meets HON req of Honors)

22156 001 LEC, 09:55am-11:35am TTh, CarlSMgmt 2-233, instruction mode: Classroom, 3 cr

3101 Introduction to Programming

(A-F; credit will not be granted if credit already received for: IDSc 3201)

19169 001 LEC, 01:45pm-03:25pm MW, CarlSMgmt L-117, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr
 21363 002 LEC, 03:45pm-05:25pm MW, CarlSMgmt L-117, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

3102 Intermediate Programming

(A-F; prereq 3101 or [equiv experience, instr consent]; credit will not be granted if credit already received for: IDSc 3201)

19170 001 LEC, 01:45pm-03:25pm MW, CarlSMgmt L-117, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr
 21925 002 LEC, 03:45pm-05:25pm MW, CarlSMgmt L-117, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

3103 Data Modeling and Databases

(A-F; credit will not be granted if credit already received for: IDSc 4203)

22157 001 LEC, 01:45pm-03:25pm Th, CarlSMgmt L-117, 09/08/15-10/26/15, 01:45pm-03:25pm T, CarlSMgmt L-122, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr
 19171 002 LEC, 11:50am-01:30pm Th, CarlSMgmt L-117, 09/08/15-10/26/15, 11:50am-01:30pm T, CarlSMgmt L-122, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

3104 Enterprise Systems

(A-F; prereq 3001; credit will not be granted if credit already received for: IDSc 4203)

22158 001 LEC, 01:45pm-03:25pm TTh, CarlSMgmt 1-135, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr
 19172 002 LEC, 11:50am-01:30pm TTh, CarlSMgmt 1-143, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

3202 Analysis and Modeling for Business Systems Development

(A-F only; prereq 3001)

15100 001 LEC, 09:55am-11:35am MW, CarlSMgmt 2-215, instruction mode: Classroom, 4 cr

26500 002 LEC, 11:50am-01:30pm MW, CarlSMgmt 2-213, instruction mode: Classroom, 4 cr

4204W Information Services Management

(A-F only; prereq 3202; meets CLE req of Writing Intensive)

19649 001 LEC, 08:00am-09:40am MW, CarlSMgmt 1-127, instruction mode: Classroom, 4 cr
 22324 002 LEC, 01:45pm-03:25pm MW, CarlSMgmt 2-219, instruction mode: Classroom, 4 cr

4301 Information Systems Capstone

Course: A Live Case

(A-F; prereq 3202, 4204W, CSOM major)

22159 001 LEC, 01:45pm-03:25pm MW, CarlSMgmt 2-233, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

4411 Accounting Information Systems and IT Governance

(A-F; prereq 3001)

21812 !001 LEC, 05:45pm-09:05pm W, CarlSMgmt L-122, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

4441 Electronic Commerce

(A-F only; prereq 3001)

17025 001 LEC, 03:45pm-05:25pm MW, CarlSMgmt L-122, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

4455 Web 2.0: The Business of Social Media

(A-F; prereq 3001)

24235 001 LEC, 01:45pm-03:25pm TTh, CarlSMgmt 1-143, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

4491 Independent Study in Information Systems

(max crs 8; A-F; prereq instr consent)

26451 001 IND, instruction mode: Classroom, 1-4 cr

6040 Information Technology Management

(A-F)

18245 !090 LEC, 05:45pm-09:05pm W, CarlSMgmt L-114, 09/08/15-10/26/15, instruction mode: Classroom; 63 seats reserved for PTMBA student, 2 cr

19136 !091 LEC, 05:45pm-09:05pm Th, CarlSMgmt L-114, 10/27/15-12/16/15, instruction mode: Classroom; 63 seats reserved for PTMBA student, 2 cr

6435 Business Process Excellence

(A-F; prereq 6040 or 6050 or MBA 6240)
21258 !060 LEC, 05:45pm-09:05pm M, CarlSMgmt L-122, 10/27/15-12/16/15, instruction mode: Classroom; 43 seats reserved for PTMBA student; 5 seats reserved for MBA day student, 2 cr

6455 Web 2.0: The Business of Social Media

(A-F; prereq MBA student)
25045 !060 LEC, 05:45pm-09:05pm T, CarlSMgmt L-122, 10/27/15-12/16/15, instruction mode: Classroom; 43 seats reserved for PTMBA student; 5 seats reserved for MBA day student, 2 cr

6471 Knowledge Management

(A-F; prereq MBA student)
12982 !060 LEC, 05:45pm-09:05pm T, CarlSMgmt L-122, 09/08/15-10/26/15, instruction mode: Classroom; 43 seats reserved for MBA day student; 43 seats reserved for PTMBA student, 2 cr

6481 Managerial Decision Making

(A-F; prereq MBA student)
13851 !060 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-142, 10/27/15-12/16/15, instruction mode: Classroom; 43 seats reserved for PTMBA student; 5 seats reserved for MBA day student, 2 cr

8511 Conceptual Topics and Research Methods in Information and Decision Sciences

(prereq Business admin PhD student or instr consent)
15843 001 LEC, instruction mode: Classroom, 3 cr

8711 Cognitive Science

(prereq Business admin PhD student or instr consent)
11269 001 LEC, instruction mode: Classroom, 4 cr

8892 Readings in Information and Decision Sciences

(max crs 16; 16 repeats allowed; prereq Business admin PhD student or instr consent)
11299 001 IND, instruction mode: Classroom, 1-8 cr

INFORMATION NETWORKING (INet)

20 Ruttan Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 55108
612/624-4000, <http://www.cce.umn.edu/BAS-IT-Infrastructure>

3065 Computer Security for the Business Professional

(prereq Basic computer/internet navigation skills, laptop with minimum 2GB ram/DVD player/Windows XP)
20759 !001 LEC, 06:00pm-08:45pm T, FordH 127, instruction mode: Classroom; Windows format only.; Meets with: 20982 ABUS 3065; Estrem, LeAllan James, 3 cr

3101 C Programming: Language and Applications

(A-F only; prereq Programming experience or completed coursework in [Java or C+ or similar programming language])
18427 !001 LEC, 06:00pm-09:35pm T, AkerH 313, 09/08/15-10/20/15, instruction mode: Classroom; 7 weeks, first half.; 2 seats reserved for non-PSEO, non-admitted student; Langanki, Mark D, 2 cr

3102 Web Infrastructure

(A-F only; prereq [3101, CSCI 2021] or equiv IT experience)
21275 !001 LEC, 06:00pm-09:35pm T, AkerH 313, 10/27/15-10/28/15, instruction mode: Classroom; 7 weeks, second half.; Tymeson, Nathan Paul, 2 cr

4011 Network Administration

(A-F only; prereq CSci 4211 or instr consent)
!001 LEC, 06:10pm-08:20pm Th, AkerH 215, 09/10/15-12/10/15, instruction mode: Classroom; Tymeson, Nathan Paul
14938 !002 LAB, 04:30pm-06:00pm Th, AkerH 211, 09/10/15-12/10/15, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; Tymeson, Nathan Paul, 4 cr

4032 Storage Design and Administration

(A-F only)

20290 !001 LEC, 06:00pm-09:35pm Th, AkerH 211, 09/10/15-10/22/15, instruction mode: Classroom; 7 weeks, first half.; Follstad, Carl, 2 cr

4041 Emerging Network Technologies and Applications

(A-F only; prereq [CSCI 4211 or equiv professional experience or instr consent], 45 cr)
15597 !001 LAB, 06:00pm-09:00pm Th, AkerH 227, 09/10/15-12/10/15, instruction mode: Classroom; 13 weeks (and final exam on Dec. 17). NOTE: Students have the option to stay each night after 9 pm (until 10) for lab/discussion time.; 2 seats reserved for non-PSEO, non-admitted student; Dunn, Lawrence, 3 cr

4153 Policy and Regulation: Effects on Global IT Infrastructure

(A-F only; prereq 45 sem cr, experience with Windows/Internet)
16875 !001 LEC, 06:00pm-08:45pm W, AkerH 211, 09/09/15-12/16/15, instruction mode: Classroom; NO CLASS day before Thanksgiving, Nov. 25.; 1 seat reserved for non-PSEO, non-admitted student; Raabe, John J, 3 cr

4193 Directed Study

(max crs 12; 4 repeats allowed; A-F only; prereq ITI student, dept consent)
14944 001 IND, instruction mode: Independent/Directed Studies; For further information on the Directed Study, go here: <http://www.cce.umn.edu/documents/DCP/BAS-Directed-Study.pdf>. You may download a Student/ Faculty Agreement Form at <http://cce.umn.edu/documents/DCP/BAS-Student-Faculty-Agreement.doc>; , 1-4 cr
14945 002 IND, instruction mode: Independent/Directed Studies; For further information on the Directed Study, go here: <http://www.cce.umn.edu/documents/DCP/BAS-Directed-Study.pdf>. You may download a Student/ Faculty Agreement Form at <http://cce.umn.edu/documents/DCP/BAS-Student-Faculty-Agreement.doc>; , 1-4 cr

4596 Internship

(max crs 6; A-F; prereq [ITI major or certificate student], [jr or sr], dept consent)
19569 001 FWK, instruction mode: Independent/Directed Studies; Faculty adviser consultation required before permission to register is granted. Go here for the Agreement Form: <http://cce.umn.edu/documents/DCP/BAS-ITI-Internship-Agreement.doc>; 1 seat reserved for INet BAS students; , 1-3 cr
19570 002 FWK, instruction mode: Independent/Directed Studies; Faculty adviser consultation required before permission to register is granted. Go here for the Agreement Form: <http://cce.umn.edu/documents/DCP/BAS-ITI-Internship-Agreement.doc>; 1 seat reserved for INet BAS students; , 1-3 cr
26892 003 FWK, instruction mode: Independent/Directed Studies; Faculty adviser consultation required before permission to register is granted. Go here for the Agreement Form: <http://cce.umn.edu/documents/DCP/BAS-ITI-Internship-Agreement.doc>; 1 seat reserved for INet BAS students; , 1-3 cr

4707 Practice of Database Systems

(Credit will not be granted if credit has been received for: CSCI 5707, CSCI 4707; A-F only; prereq CSci 4061, at least 45 cr completed; CSci majors contact CSci dept before registering)
22487 !001 LEC, 06:00pm-08:45pm M, ApH 303, 09/14/15-12/14/15, instruction mode: Classroom; Splett, Katherine Anna, 3 cr

4709 Art and Practice of Database Administration

(A-F only; prereq [[4707 or CSCI 4707], CSCI 4061] or professional experience with SQL/basic operating systems)
20760 !001 LEC, 06:00pm-08:55pm Th, ApH 11, 09/10/15-12/10/15, instruction mode: Classroom; 13 meetings, 9/4 through 12/4, plus final presentation meeting on 12/18.; Onkka, Daniel Charles, 3 cr

INNOVATION STUDIES (IS)

20 Ruttan Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 554108
612/626-8724, <http://www.cce.umn.edu/is>

5002 Final Project for Innovation Studies

(max crs 4; 4 repeats allowed; A-F only; prereq Completion of IS requirements, dept consent)
17367 001 LEC, instruction mode: Classroom; The Final Project must have an applied, field-based dimension, and

may be undertaken in one of two ways: (1) as an internship in an organization such as a business, school, government agency, nonprofit or community group, or (2) as a hands-on study project that sheds light on a contemporary issue or problem. Section 001 is for initial preparation of the Final Project.; Harkins, Arthur M, 2 cr

18398 002 LEC, instruction mode: Classroom; The Final Project must have an applied, field-based dimension, and may be undertaken in one of two ways: (1) as an internship in an organization such as a business, school, government agency, nonprofit or community group, or (2) as a hands-on study project that sheds light on a contemporary issue or problem. Section 002 is for completion of the Final Project.; Harkins, Arthur M, 2 cr

5950 Special Topics

(max crs 12; 3 repeats allowed; A-F only; prereq dept consent)
23870 001 LEC, 09:00am-03:00pm S, BlegH 210, 10/27/15-12/16/15, instruction mode: Classroom; The Art of Leadership: Essentials in Motivating and Maintaining an Effective Workforce - This workshop will concentrate on the sensitivities, knowledge, skills and judgment needed to establish and maintain an effective workforce in a small or medium size organization. Participants will leave the workshop with a feel for, and understanding of, the thoughtfulness, leadership skills and importance of finding ways to motivate others. These themes will be incorporated in presentation and discussion throughout the seminar. Topics will include:

INSURANCE AND RISK MANAGEMENT (Ins)

3-122 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-2888, <http://www.csom.umn.edu>

4100 Corporate Risk Management

(credit will not be granted if credit received for: 5100)
13152 001 LEC, 10:10am-11:50am TTh, HMH 1-103, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

4101 Employee Benefits

(credit will not be granted if credit received for: 5101)
17022 001 LEC, 10:10am-11:50am TTh, HMH 1-103, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

4200 Insurance Theory and Practice

(credit will not be granted if credit received for: 5200)
22407 !020 LEC, 05:45pm-09:05pm W, HMH 1-103, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

INTEGRATED BEHAVIORAL HEALTH (IBH)

20 Ruttan Hall, 1994 Buford Ave, St Paul, MN, 55108
612/624-4000, <http://www.cce.umn.edu/ibh>

6011 Foundations in Differential Diagnosis

(A-F only; prereq Must be admitted IBH student)
23940 !001 LEC, 05:00pm-07:40pm T, MagrathLib 4, STPAUL, instruction mode: Classroom; IBH admitted students only. Must have completed AddS5091 or equivalent. Permission required to register. Please contact IBH advisor Sarah Cook at: konk0013@umn.edu; 16 seats reserved for IBH students; Reef, Adam C; Kammer-Hodge, Heidi Elizabeth, 3 cr

6021 Methods and Models III: Synthesis Seminar in Client Centered Care

(A-F only; prereq Must be admitted IBH student)
22752 001 LEC, 09:30am-03:40pm S, RuttanH B36, STPAUL, 09/26/15-09/26/15, 09:30am-03:40pm S, RuttanH B36, STPAUL, 10/10/15-10/10/15, 09:30am-03:40pm S, RuttanH B36, STPAUL, 10/24/15-10/24/15, 09:30am-03:40pm S, RuttanH B36, STPAUL, 11/07/15-11/07/15, 09:30am-03:40pm S, RuttanH B36, STPAUL, 11/21/15-11/21/15, instruction mode: Classroom; Class meets 9/26, 10/10, 10/24, 11/7, 11/21. Admitted IBH students or by permission only. Must have completed ADDS coursework.; 20 seats reserved for IBH students; Desanto, Paula Louise, 2 cr

6031 Methods and Models IV: Trauma and Anxiety, Assessment and Treatment Intervention

(A-F only; prereq Must be admitted IBH student)

23930 I001 LEC, 05:30pm-07:30pm W, . NORMREQD, STPAUL, 09/09/15-12/16/15, instruction mode: Classroom; Course will meet at St. Joseph's Hospital, 45 West 10th Street, St. Paul MN 55102. Admitted IBH students only or by permission.; 12 seats reserved for IBH students; Sutherland PhD, LP,R,John, 2 cr

6032 Advanced Multicultural Practice**(A-F; prereq ADDS 5081 or equivalent)**

34849 I001 LEC, 05:30pm-07:45pm Th, RuttanH B26, STPAUL, 09/10/15-09/10/15, 05:30pm-07:45pm Th, RuttanH B26, STPAUL, 10/01/15-10/01/15, 05:30pm-07:45pm Th, RuttanH B26, STPAUL, 11/05/15-11/05/15, 05:30pm-07:45pm Th, RuttanH B26, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom; Meets 9/10, 10/1, 11/5, 12/3, 1 cr

6051 Advanced Group Practice**(A-F only; prereq Must be admitted IBH student, [ADDS 5061 or dept consent])**

25529 I001 LEC, 07:40pm-09:40pm W, . NORMREQD, STPAUL, 09/09/15-12/16/15, instruction mode: Classroom; Course will meet at St. Joseph's Hospital, 45 West 10th Street, St. Paul MN 55102.; 10 seats reserved for IBH students; Sutherland PhD, LP,R,John, 2 cr

6061 Applied Advanced Diagnostics I**(max crs 3; A-F only; prereq Must be admitted IBH student, [ADDS 5091 or ADDS 4001], dept consent)**

22750 I001 LEC, 05:30pm-07:30pm Th, . NORMREQD, STPAUL, 09/10/15-12/16/15, instruction mode: Classroom; Course will meet at St. Joseph's Hospital, 45 West 10th Street, St. Paul, MN 55102. Room TBA.; Morey, Cindy Strege, 2 cr

6062 Applied Advanced Diagnostics II**(A-F; prereq 6061, must be admitted IBH student)**

34847 I001 LEC, 05:30pm-07:30pm T, . NORMREQD, STPAUL, instruction mode: Classroom; Course will meet at St. Joseph's Hospital, 45 West 10th Street, St. Paul, MN 55102. Room TBA.; Morey, Cindy Strege, 2 cr

6071 Advanced Professional Issues**(A-F only; prereq Must be admitted IBH student)**

23935 001 LEC, 09:00am-04:00pm S, RuttanH B30, STPAUL, 09/12/15-09/19/15, 09:00am-04:00pm S, RuttanH B30, STPAUL, 10/03/15-10/03/15, 09:00am-04:00pm S, RuttanH B30, STPAUL, 10/24/15-10/24/15, 09:00am-04:00pm S, RuttanH B30, STPAUL, 11/21/15-11/21/15, 09:00am-04:00pm S, RuttanH B30, STPAUL, 12/05/15-12/05/15, 09:00am-04:00pm S, RuttanH B30, STPAUL, 11/07/15-11/07/15, instruction mode: Partially Online; Class meets 9/12, 9/19, 10/13, 10/24, 11/7, 11/21, 12/5; Wamsley, Debra S, 3 cr

6101 Family Dynamics and Therapy**(A-F only; prereq Must be admitted IBH student)**

22751 I001 LEC, 05:30pm-08:00pm Th, MagrathLib 4, STPAUL, 09/10/15-12/16/15, instruction mode: Partially Online; Becher-Ingwalsen, Ann M, 3 cr

6231 Management of Eating Disorders

26425 I001 LEC, 05:30pm-08:10pm T, RuttanH B30, STPAUL, instruction mode: Classroom; 5 seats reserved for IBH students; Meets with: 24204 FSCN 5601; Lampert, Jillian Garnet, 3 cr

6993 Directed Study in Integrated**Behavioral Health****(max crs 6; 6 repeats allowed; A-F; prereq Must be admitted IBH student, dept consent)**

22881 001 IND, instruction mode: Independent/Directed Studies; Requires instructor consent and permission number., 1-3 cr

INTER-COLLEGE PROGRAM (ICP)

20 Ruttan Hall, 1994 Buford Ave, St Paul Campus, St Paul, MN, 55108
612/624-4000, <http://www.cce.umn.edu/icp>

3101W Inter-College Program Proposal Development**(A-F; prereq ICP student or instr consent; meets CLE req of Writing Intensive)**

24464 I001 LEC, 04:30pm-06:30pm Th, MagrathLib 8, STPAUL, 09/10/15-12/10/15, instruction mode: Partially Online; Classroom alternates with online, with first face-to-face meeting September 10.; Burger Sanchez, Amy, 2 cr

3201 Career and Internship Preparation**(A-F; prereq Soph or jr or sr or grad student)**

24174 001 LEC, 11:45am-12:35pm T, McNH 395, STPAUL, instruction mode: Classroom; Meets with: 17246 CFAN 3201; Newberg, Sara Nagel, 1 cr
24173 002 LEC, 04:05pm-04:55pm W, McNH 144, STPAUL, instruction mode: Classroom; Meets with: 22829 CFAN 3201; Hanson, Matthew R, 1 cr
22943 003 LEC, 11:45am-12:35pm Th, McNH 395, STPAUL, instruction mode: Classroom; Meets with: 22830 CFAN 3201; Okstad, Brian Clay, 1 cr

INTERDEPARTMENTAL STUDY (ID)

411 (STSS) Science Teaching Student Services, 222 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-7577, <http://www.clacareer.umn.edu/>

1201 Major and Career Exploration**(prereq Fr or soph)**

11752 001 LEC, 02:30pm-04:25pm T, CookeH 215, instruction mode: Classroom; Halverson, Joyce A, 2 cr
25724 002 LEC, 10:10am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Timmins, Paul, 2 cr
15278 003 LEC, 10:10am-12:05pm W, STSS 144, instruction mode: Classroom; Untiedt PhD, LP,Stephanie Ann, 2 cr
17100 004 LEC, 12:20pm-02:15pm W, STSS 432B, instruction mode: Classroom; Untiedt PhD, LP,Stephanie Ann, 2 cr

3201 Career Planning

11753 001 DIS, 10:10am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Untiedt PhD, LP,Stephanie Ann, 2 cr
13882 002 DIS, 10:10am-12:05pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Holschbach MA, Jesse, 2 cr
15225 003 DIS, 02:30pm-04:25pm T, STSS 119, instruction mode: Classroom; Holschbach MA, Jesse, 2 cr
17651 004 DIS, 12:20pm-02:15pm T, STSS 144, instruction mode: Classroom; Holschbach MA, Jesse, 2 cr
17652 005 DIS, 12:20pm-02:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Untiedt PhD, LP,Stephanie Ann, 2 cr
24246 007 DIS, 02:30pm-04:25pm M, STSS 420B, instruction mode: Classroom; Hansen, Ben, 2 cr

3208 Internship Reflection: Making Meaning of Your Experience**(prereq dept consent)**

20045 001 DIS, instruction mode: Correspondence; Internship based course. Permission required, contact Jen Vassallo at vassa001@umn.edu.; Schmidt Whitney, Angie, 1 cr

3561 HECUA Off Campus Programs:**Literature in Political, Social, and Historical Contexts**

(prereq Concurrent registration is required (or allowed) in 3562, Concurrent registration is required (or allowed) in 3563, dept consent; meets CLE req of Literature)

18743 001 LEC, instruction mode: Classroom, 4 cr

3562W HECUA Off Campus Programs:**Writing for Social Change: Creative Writing Workshop**

(prereq Concurrent registration is required (or allowed) in 3561, Concurrent registration is required (or allowed) in 3563, dept consent; meets CLE req of Writing Intensive)

18744 001 LEC, instruction mode: Classroom, 4 cr

3563 HECUA Off-Campus Study Program:**WSC Internship Seminar**

(prereq Concurrent registration is required (or allowed) in 3561, Concurrent registration is required (or allowed) in 3562, dept consent; meets CLE req of Civic Life and Ethics)

18745 001 FWK, instruction mode: Classroom, 8 cr

3571 HECUA: Inequality in America**- Contested Theories of Poverty, Inequality, and Social Change**

(prereq Concurrent registration is required (or allowed) in 3572, 3573, dept consent; meets CLE req of Social Sciences)

16150 001 LEC, instruction mode: Classroom, 4 cr

3572 HECUA: Inequality in America - Social Policy and Anti-Poverty Strategies in Theory and Practice

(prereq Concurrent registration is required (or allowed) in 3571, 3573, dept consent; meets CLE req of Diversity and Soc Justice US)

14390 001 FWK, instruction mode: Classroom; Holliday, David Wallace, 4 cr

3573 HECUA: Inequality in America**Internship Seminar**

(prereq Concurrent registration is required (or allowed) in 3571, Concurrent registration is required (or allowed) in 3572, dept consent; meets CLE req of Civic Life and Ethics)

14391 001 FWK, instruction mode: Classroom; Holliday, David Wallace, 8 cr

3591 HECUA Off-Campus Study Program:**Environmental**

(A-F; prereq Concurrent registration is required (or allowed) in 3592, Concurrent registration is required (or allowed) in 3593, Concurrent registration is required (or allowed) in 3594, dept consent; meets CLE req of Environment)

15819 001 LEC, instruction mode: Classroom, 4 cr

3592 HECUA Off-Campus Study Program:**Environmental**

(A-F; prereq Concurrent registration is required (or allowed) in 3591, Concurrent registration is required (or allowed) in 3593, Concurrent registration is required (or allowed) in 3594, dept consent; meets CLE req of Social Sciences)

15820 001 LEC, instruction mode: Classroom; Holliday, David Wallace, 4 cr

3593 HECUA Off-Campus Study Program**in Sustainability: Field Methods****Research and Investigation**

(A-F; prereq Concurrent registration is required (or allowed) in 3591, Concurrent registration is required (or allowed) in 3592, 3594, dept consent; meets CLE req of Biological Sciences)

15821 001 LEC, instruction mode: Classroom; Holliday, David Wallace, 4 cr

3594 HECUA Off-Campus Study Program:**Environmental**

(A-F; prereq Concurrent registration is required (or allowed) in 3591, Concurrent registration is required (or allowed) in 3592, Concurrent registration is required (or allowed) in 3593, dept consent; meets CLE req of Civic Life and Ethics)

17201 001 FWK, instruction mode: Classroom; Holliday, David Wallace, 4 cr

3901 Scholars Program Capstone Seminar

(A-F; prereq dept consent , Community Engagement Scholars coordinator approval)

20041 I001 LEC, 04:40pm-06:25pm W, . ROOM-TBA, instruction mode: Classroom; Class will be held in the 269 Appleby Hall

20036 002 LEC, 10:10am-11:55am F, . ROOM-TBA, instruction mode: Classroom; Class will be held in the 269 Appleby Hall

3993 Directed Study

(max crs 8; 8 repeats allowed)

11759 001 IND, instruction mode: Classroom; Timmins, Paul, 1-4 cr

18748 002 IND, instruction mode: Classroom; Hirt, Laurel Elizabeth, 1-4 cr

24761 003 IND, instruction mode: Classroom, 1-4 cr

INTERDISCIPLINARY ARCHAEOLOGICAL STUDIES (InAr)

395 Humphrey Center, 301 19th Ave So, West Bank Campus, Minneapolis, MN, 55455
612/625-3400

8200 Directed Readings

(max crs 7; prereq InAr grad major or instr consent)

13005 001 IND, instruction mode: Classroom, 1-7 cr

8300 Directed Research

(max crs 7; prereq InAr grad major or instr consent)
13006 001 IND, instruction mode: Classroom, 1-7 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
13982 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14116 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14236 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
14319 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13753 001 IND, instruction mode: Classroom, 1-24 cr

INTERDISCIPLINARY MEDICINE (InMd)

*B675 Mayo, 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-3622*

6001 Directed Study I

(max crs 12; NGA)
15347 001 IND, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; Davenport, Scott Allan, 0-6 cr

6002 Directed Study II

(max crs 6; P-N only)
15348 001 IND, instruction mode: Classroom, 0-6 cr

6003 Independent Study

(max crs 6; P-N only)
15349 001 IND, instruction mode: Classroom, 0-6 cr

6310 Topics in Medical Anthropology I: the Normal and the Pathological

(max crs 12; P-N)
17440 001 LEC, instruction mode: Classroom, 1-6 cr
18083 002 LEC, instruction mode: Classroom, 1-6 cr

6801 Human Structure and Function

(P-N)
20978 001 LAB, 08:00am-12:05pm T, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; Norrander PhD, Jan Marie; Weinhaus PhD, Anthony James, 6 cr

6802 Science of Medical Practice

(P-N)
20979 001 LEC, 08:00am-12:05pm MF, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; Schimmenti MD, Lisa A; Sanders, Michel Marie, 7 cr

6803 Essentials of Clinical Medicine Part 1

(P-N)
20977 001 LEC, 01:25pm-02:15pm T, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; Nixon, James; Satin, David Jonathan; Allen, Sharon S, 5 cr

6806 Essentials of Clinical Medicine Part 3B

(P-N)
20984 001 FWK, 08:00am-12:05pm W, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; Nixon, James; Satin, David Jonathan; Davenport, Scott Allan, 5 cr

6808 Human Health & Disease - Cardio & Resp

(P-N)
20983 001 LEC, 08:00am-12:05pm M, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; Kempainen, Robert Ralph, 4 cr

6811 Human Health & Disease - GI & Heme

(P-N)
26628 001 LEC, 08:00am-09:55am M, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; Thompson Buom, Heather Anne, 4 cr

6819 Human Health & Disease - Neuro & Psych

(P-N)
26626 001 LEC, 08:00am-12:05pm M, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; Clark MD, PhD, H. Brent; Nelson, Kaz Joyer, 3 cr

7000 Interdisciplinary Research

(max crs 12; HNV; prereq [3rd or 4th yr] medical student; MD/Ph.D. program preferred)
14966 001 IND, 08/03/15-12/23/15, instruction mode: Classroom, 1-12 cr

7001 Interdisciplinary Research II

(max crs 12; HNV; prereq 3rd or 4th yr medical student)
14987 001 IND, 08/03/15-12/23/15, instruction mode: Classroom, 2-12 cr

7002 Interdisciplinary Research-3

(max crs 6; H-N; prereq 3rd or 4th year medical student)
24556 001 IND, instruction mode: Classroom, 2-6 cr

7200 Rural Physician Associate Program

(RPAP)
(max crs 36; 6 repeats allowed; HNV)
21130 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr
21131 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7201 Rural Physician Associate Program II

(RPAP)
(max crs 6; HNV)
22016 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7202 Rural Physician Associate Program III

(RPAP)
(max crs 6; HNV)
24574 001 FWK, instruction mode: Classroom, 2-6 cr

7203 Rural Physician Associate Program

(RPAP): Orthopaedic Surgery
(max crs 4; P-N)
24565 001 FWK, instruction mode: Classroom, 2-4 cr

7204 Rural Physician Associate Program

(RPAP): Surgery
(HNV)
24571 001 FWK, instruction mode: Classroom, 6 cr

7205 Rural Physician Associate Program

(RPAP): Obstetrics and Gynecology
(H-N)
24572 001 FWK, instruction mode: Classroom, 6 cr

7206 Rural Physician Associate Program

(RPAP): Pediatrics
(H-N)
24573 001 FWK, instruction mode: Classroom, 6 cr

7207 Rural Physician Associate Program

(RPAP): Urology
(max crs 4; P-N)
24569 001 FWK, instruction mode: Classroom, 2-4 cr

7208 RPAP: Emergency Medicine

(H-N)
24566 001 FWK, instruction mode: Classroom, 4 cr

7209 RPAP Family Medicine Clerkship

(H-N)
24567 001 FWK, instruction mode: Classroom, 4 cr

7210 RPAP Primary Care Selective

Clerkship
(P-N)
24568 001 FWK, instruction mode: Classroom, 4 cr

7211 Metropolitan Physician Associate Program 1

(max crs 18; 3 repeats allowed; H-N)
21250 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr
21252 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7212 MetroPap II

(max crs 12; H-N)
22011 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 0-6 cr

7213 MetroPAP: Surgery

(H-N)
24560 001 FWK, instruction mode: Classroom, 6 cr

7214 MetroPAP: OB/Gyn

(H-N)
24559 001 FWK, instruction mode: Classroom, 6 cr

7215 MetroPAP: Family Medicine Clerkship

(H-N)
24561 001 FWK, instruction mode: Classroom, 4 cr

7216 MetroPAP: Primary Care Selective

(P-N)
24562 001 FWK, instruction mode: Classroom, 4 cr

7217 MetroPAP: Emergency Medicine

(H-N)
24563 001 FWK, instruction mode: Classroom, 4 cr

7400 Advanced Clinical Skills: Independent Study

(max crs 6; P-N; prereq TA)
24555 001 FWK, instruction mode: Classroom, 0-6 cr

7401 Hospitalist Rotation

(max crs 12; P-N)
22013 001 ROT, instruction mode: Independent/Directed Studies, 0-6 cr

7450 Hospice and Palliative Care

(H-N)
21170 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr

7500 ICU Translational Science

(H-N)
24558 001 FWK, instruction mode: Classroom, 4 cr

7521 Health Activism Elective

(max crs 4; P-N only; prereq 3rd or 4th yr medical student)
24575 001 LEC, instruction mode: Classroom, 2-4 cr

7540 Ambulatory Clinic for the Physician-Scientist

(max crs 6; HNV; prereq Med student)
18071 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 1-6 cr

7541 Ambulatory Clinics for the Physician-Scientist

(max crs 6; HNV; prereq Med student)
18082 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7552 Traditional Indian Medicine Clerkship

(HNV; prereq Med student, dept consent)
15314 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7553 Elective Away at Centers for Disease Control (CDC)

(max crs 8; HNV; prereq Med student, dept consent)
18695 001 ROT, instruction mode: Classroom, 2-8 cr

7555 Elective Away for Credit

(max crs 16; HNV; prereq Med student, dept consent)
15315 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-8 cr
15316 002 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-8 cr

7556 Elective Away for Credit 2

(HNV)
15317 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7557 Elective Away for Credit 3

(HNV)
15342 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7558 Elective Away for Credit 4

(max crs 6; HNV)
15318 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7560 Elective Away at National Institutes of Health (NIH)

(HNV; prereq Med student, dept consent)
15850 001 ROT, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7565 Clinical Experience in International Medicine I

(max crs 36; 3 repeats allowed; HNV; prereq Med student)
15319 001 ROT, 08/03/15-12/23/15, instruction mode:
Classroom, 1-12 cr

7566 Clinical Experience in International Medicine II

(max crs 24; 3 repeats allowed; HNV; prereq Med student, dept consent)
13605 001 ROT, 08/03/15-12/23/15, instruction mode:
Classroom, 2-8 cr

7569 Clinical Experience in International Medicine III

(max crs 6; HNV; prereq Med student, dept consent)
16902 001 ROT, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7577 Introduction to Complementary and Alternative Therapies

(HNV; prereq Internet access, basic e-mail skills)
14521 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3 cr

7579 Rural Hawaii Public Health Elective

(max crs 6; H-N)
24576 001 FWK, instruction mode: Classroom, 2-6 cr

7580 Integrative Healing in Hawaii

(H-N; prereq Registered medical student)
22015 001 FWK, instruction mode: Classroom, 3 cr

7581 Applied Integrative Medicine? Systems of Health Care Track

(H-N; prereq Registered third- or fourth-yr medical student)
24557 001 FWK, instruction mode: Classroom, 3 cr

7700 Primary Care Clinic: Minnesota Community Engagement Program (MNCEP)

(P-N)
20155 001 FWK, instruction mode: Classroom, 4 cr

7800 Geriatrics Service Learning

(P-N)
20277 001 DIS, 08/03/15-12/23/15, instruction mode:
Independent/Directed Studies, 2 cr

7900 Flexible MD Independent Study

(max crs 6; P-N; prereq Registered medical student accepted into FlexMD Program)
21150 001 IND, instruction mode: Independent/Directed Studies, 3-6 cr

INTERIOR DESIGN (IDES)

240 McNeal Hall, 1985 Buford Ave, St. Paul Campus, St. Paul, MN, 55108
612/624-9700, <http://dha.design.umn.edu>

1601 Interior Design Studio I

(A-F only; prereq Interior design pre-major or interior environments minor; credit will not be granted if credit already received for: DHA 1601)

12818 001 LAB, 08:30am-11:30am MW, McNH 470, STPAUL, instruction mode: Classroom; 3 seats reserved for Interior Environments Minor - EXPIRES 04-SEP-2015, 4 cr
31567 002 LAB, 03:00pm-06:00pm MW, McNH 470, STPAUL, instruction mode: Classroom; 3 seats reserved for Interior Environments Minor - EXPIRES 04-SEP-2015, 4 cr

14482 003 LAB, 03:00pm-06:00pm TTh, McNH 470, STPAUL, instruction mode: Classroom; 3 seats reserved for Interior Environments Minor - EXPIRES 04-SEP-2015, 4 cr

2196 Work Experience in Interior Design

(max crs 8; S-N; prereq Plan submitted/approved by [advisor, internship supervisor], written approval of supervisor, instr consent)
20328 002 FWK, instruction mode: Independent/Directed Studies; Hadjiyanni, Tasoulla, 1-4 cr
20329 003 FWK, instruction mode: Independent/Directed Studies, 1-4 cr
20330 004 FWK, instruction mode: Independent/Directed Studies; Zollinger, Stephanie Watson, 1-4 cr
22465 005 FWK, instruction mode: Independent/Directed Studies; Asojo, Abimbola, 1-4 cr

2603 Interior Design Studio III

(A-F; prereq [1602 or DHA 1602] with grade of at least C-, pass portfolio review, interior design major; credit will not be granted if credit already received for: DHA 2603)

12819 001 LAB, 09:35am-12:20pm MW, McNH 475, STPAUL, instruction mode: Classroom; Zollinger, Stephanie Watson, 4 cr
12820 002 LAB, 09:35am-12:20pm MW, McNH 480, STPAUL, instruction mode: Classroom, 4 cr

2613 Interior Structures, Systems, and Life Safety

(A-F; credit will not be granted if credit already received for: DHA 2613)
23781 001 LEC, 01:55pm-03:50pm MW, RuttanH 143, STPAUL, instruction mode: Classroom; Only if you are unable to add your name to the online waitlist, please email cdespn@umn.edu; 30 seats reserved for IDes mjr - EXPIRES 04-SEP-2015; Yust, Becky L, 4 cr

3161 History of Interiors and Furnishings: Ancient to 1750

(A-F only; credit will not be granted if credit already received for: DHA 4161; meets CLE req of Global Perspectives)

20333 001 LEC, 01:55pm-03:50pm MW, McNH 10, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; Zollinger, Stephanie Watson, 4 cr

3606 Interior Design Studio VI

(A-F; prereq [2604 or DHA 2604], 2612; credit will not be granted if credit already received for: DHA 3606)
22334 001 LAB, 09:35am-12:35pm MW, McNH 233, STPAUL, instruction mode: Classroom, 4 cr

3612 Lighting Design

(A-F; prereq Interior design major or Interior Environments Minor or instr consent)
25145 001 LEC, 09:35am-11:30am TTh, McNH 233, STPAUL, instruction mode: Classroom; Asojo, Abimbola, 3 cr

3614 Interior Design Ethics and Professional Practice

(A-F; prereq 2604 or DHA 2604; or Interior Environments Minor; credit will not be granted if credit already received for: DHA 3614; meets CLE req of Civic Life and Ethics)

31568 001 LEC, 01:30pm-03:25pm TTh, McNH 250, STPAUL, instruction mode: Classroom, 4 cr

3622 Computer Applications II

(A-F; prereq 2622)
25146 001 LEC, 01:55pm-04:55pm Th, McNH 305, STPAUL, instruction mode: Classroom; Asojo, Abimbola, 2 cr

4160H Honors Capstone Project

(max crs 4; A-F; prereq Interior design honors; meets HON req of Honors)
20545 001 LEC, instruction mode: Classroom; Asojo, Abimbola, 2 cr
20546 002 LEC, instruction mode: Classroom; Hadjiyanni, Tasoulla, 2 cr
20547 003 LEC, instruction mode: Classroom; Martin, Caren Samter, 2 cr
20548 004 LEC, instruction mode: Classroom; Zollinger, Stephanie Watson, 2 cr

4193 Directed Study in Interior Design

(max crs 8; A-F only; prereq Undergrad, instr consent)
20334 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr
20335 002 IND, instruction mode: Independent/Directed Studies; Hadjiyanni, Tasoulla, 1-4 cr

20336 003 IND, instruction mode: Independent/Directed Studies; Martin, Caren Samter, 1-4 cr
20337 004 IND, instruction mode: Independent/Directed Studies; Zollinger, Stephanie Watson, 1-4 cr

4196 Internship in Interior Design

(S-N only; prereq 3606, instr consent)
20338 001 FWK, instruction mode: Independent/Directed Studies; Asojo, Abimbola, 1 cr
20339 002 FWK, instruction mode: Independent/Directed Studies; Hadjiyanni, Tasoulla, 1 cr
20340 003 FWK, instruction mode: Independent/Directed Studies, 1 cr
20341 004 FWK, instruction mode: Independent/Directed Studies; Zollinger, Stephanie Watson, 1 cr

4607 Interior Design Studio VII

(A-F; prereq [[3605, 3606] or [DHA 3605, DHA 3606]] with grade of at least C-; credit will not be granted if credit already received for: DHA 4607)
12042 001 LAB, 09:35am-12:35pm TTh, McNH 475, STPAUL, instruction mode: Classroom, 4 cr

4615W Interior Design Research

(A-F; prereq 3605 or DHA 3605; credit will not be granted if credit already received for: DHA 4615W; meets CLE req of Writing Intensive)
16185 1001 LEC, 05:10pm-08:25pm T, McNH 250, STPAUL, instruction mode: Classroom; Hadjiyanni, Tasoulla, 3 cr

5193 Directed Study in Interior Design

(max crs 8; A-F only; prereq Jr or sr or grad student)
20342 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr
20343 002 IND, instruction mode: Independent/Directed Studies; Hadjiyanni, Tasoulla, 1-4 cr
20344 003 IND, instruction mode: Independent/Directed Studies; Martin, Caren Samter, 1-4 cr
20345 004 IND, instruction mode: Independent/Directed Studies; Zollinger, Stephanie Watson, 1-4 cr

8192 Readings in Interior Design

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)
20346 001 IND, instruction mode: Classroom; Asojo, Abimbola, 1-3 cr
20347 002 IND, instruction mode: Classroom; Hadjiyanni, Tasoulla, 1-3 cr
20348 003 IND, instruction mode: Classroom; Martin, Caren Samter, 1-3 cr
20349 004 IND, instruction mode: Classroom; Zollinger, Stephanie Watson, 1-3 cr

8193 Directed Study

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)
20350 001 IND, instruction mode: Classroom, 1-3 cr
20351 002 IND, instruction mode: Classroom; Hadjiyanni, Tasoulla, 1-3 cr
20352 003 IND, instruction mode: Classroom; Martin, Caren Samter, 1-3 cr
20353 004 IND, instruction mode: Classroom; Zollinger, Stephanie Watson, 1-3 cr

8222 Plan B Master's Project

(S-N only; prereq [DHA or design] master's student, instr consent)
20354 001 IND, instruction mode: Classroom, 3 cr
20355 002 IND, instruction mode: Classroom; Hadjiyanni, Tasoulla, 3 cr
20356 003 IND, instruction mode: Classroom; Martin, Caren Samter, 3 cr
20357 004 IND, instruction mode: Classroom; Zollinger, Stephanie Watson, 3 cr

INTERNATIONAL BUSINESS (IBus)

2-210 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/625-9361, <http://www.csom.umn.edu>

2950 Tracing the Global Supply Chain

(A-F; prereq Approved application)
26657 001 LEC, 08:30am-11:30am F, CarlSMgmt 1-149, 10/27/15-12/16/15, instruction mode: Classroom; This section requires an application. See <a

3002 Managerial Accounting in Argentina and Chile

(A-F)

20753 !001 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-136, 10/27/15-12/16/15, instruction mode: Classroom; This section requires an application. See <a

3080 Sustainability and Corporate Social Responsibility in Costa Rica (A-F)

26190 001 LEC, 04:00pm-07:00pm T, CarlSMgmt 1-114, 10/27/15-12/16/15, instruction mode: Classroom; This section requires an application. See <a

3999 International Experience Directed Study

(max crs 3; S-N; prereq dept consent)
20896 001 IND, instruction mode: Study Abroad; This section requires an application. See <a

4050 Management of Innovation and Change

(Credit will not be granted if credit has been received for: MGMT 4050; A-F; prereq [Mgmt 1001 or 3001 or 3010], approved application)

20677 001 LEC, 01:45pm-03:25pm TTh, CarlSMgmt 2-233, 10/27/15-12/16/15, instruction mode: Classroom; This section is an education abroad program and requires an application. See <a

5100 Undergraduate Semester: CIMBA (Consortium of Universities for International Studies)

(max crs 54; 3 repeats allowed; A-F; prereq 60 cr)
16175 001 LEC, instruction mode: Study Abroad; This section is an education abroad program and requires an application. See <a

5150 India Seminar: Managing in a Global Environment (A-F)

24042 001 LEC, 10/27/15-12/16/15, instruction mode: Study Abroad; This section is an education abroad program and requires an application. See <a

5171 Global Business Practicum in Southern China

(A-F; prereq Grad student)
22002 001 LEC, 10/27/15-12/16/15, instruction mode: Study Abroad; This section is an education abroad program and requires an application. See <a

5190 Brazil Seminar: Doing Business in Brazil

(A-F; prereq Carlson grad student)
24043 001 LEC, 10/27/15-12/16/15, instruction mode: Study Abroad; This section is an education abroad program and requires an application. See <a

5400 Global Business Practicum (A-F; prereq Grad student)

34991 001 LEC, 10/27/15-12/16/15, instruction mode: Classroom, 4 cr

6400 Carlson MBA Global Discovery (max crs 3; A-F; prereq 2nd yr full-time Carlson MBA student)

20684 001 LEC, 09:55am-11:35am TTh, CarlSMgmt 1-135, 10/27/15-12/16/15, instruction mode: Classroom; "Global Discovery: UAE/Oman. See <a

22155 002 LEC, 11:50am-01:30pm W, CarlSMgmt 2-224, 10/27/15-12/16/15, instruction mode: Classroom; "Global Discovery: China. See <a

20685 003 LEC, 09:55am-11:35am T, CarlSMgmt 1-142, 10/27/15-12/16/15, instruction mode: Classroom; "Global Discovery: Argentina/Chile. See <a

INTERPERSONAL RELATIONSHIPS RESEARCH (IRel)

104 Child Development, 51 E River Road, East Bank Campus, Minneapolis, MN, 55455 612/624-0526, <http://cehd.umn.edu/icd/IrelMinor/>

8360 Seminar: Topics in Interpersonal Relationships Research

(max crs 6; 3 repeats allowed; prereq Grad IRel minor or instr consent)
20005 001 LEC, instruction mode: Classroom; Simpson, Jeffrey A, 1-3 cr

21189 002 LEC, 01:25pm-04:25pm M, . NONSTD-TBA, instruction mode: Classroom; Jones, Susanne Margarethe, 1-3 cr

INTRODUCED SPECIES AND GENOTYPES (ISG)

5010 Risk Analysis for Introduced Species and Genotypes

(A-F; prereq Grad student or [sr, instr consent])
19343 001 LEC, 10:15am-11:30am TTh, GrnH 326, STPAUL, instruction mode: Classroom; Meeting time TBA; Andow, David; Bauer, Theresa A, 3 cr

8001 Discussions in Introduced Species and Genotypes

(max crs 10; 10 repeats allowed; S-N)
19341 001 DIS, 10:40am-12:35pm W, RuttanH B26, STPAUL, instruction mode: Classroom; Please contact instructors for details.; Andow, David; Shaw, Ruth Geyer, 1 cr

8021 Problem Solving Practicum in Risk Analysis

(max crs 6; A-F; prereq 5010, 5020)
19991 001 FWK, instruction mode: Classroom; Meeting time TBA; Andow, David; Bajjer, Przemyslaw; Newman, Raymond M, 3 cr

8031 Cooperative Learning Practicum

(A-F; prereq 8021)
20973 001 LEC, instruction mode: Classroom; The class will be held in 152 Alderman Hall; Galatowitsch, Susan M, 1 cr

ITALIAN (Ital)

314 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455 612/624-4308, <http://frit.umn.edu/>

1001 Beginning Italian

(Credit will not be granted if credit has been received for: ITAL 4001)

12075 001 DIS, 10:10am-11:00am MTWThF, FolH 104, instruction mode: Classroom; Access to Connect Plus (required) is required for this course. Connect Plus includes access to all online activities (workbook/lab manual) and a full e-book of the text. The cost of this required material will be billed directly to your student account. Students will need to use their laptop or tablet in class to access Connect Plus. If they do not have their device, they cannot do the activities in class. If students do not wish to bring their device to class, they can alternatively purchase the loose-leaf textbook for these in-class activities (it is recommended this is done as soon as possible); Connect Plus will still be required for work outside of class. Students will have to purchase the grammar book (required), and may choose to purchase the dictionary (optional), and loose-leaf text as mentioned above (optional). All materials are available for purchase at the Bookstore., 5 cr

12076 002 DIS, 11:15am-12:05pm MTWThF, FolH 105, instruction mode: Classroom; Access to Connect Plus (required) is required for this course. Connect Plus includes access to all online activities (workbook/lab manual) and a full e-book of the text. The cost of this required material will be billed directly to your student account. Students will need to use their laptop or tablet in class to access Connect Plus. If they do not have their device, they cannot do the activities in class. If students do not wish to bring their device to class, they can alternatively purchase the loose-leaf textbook for these in-class activities (it is recommended this is done as soon as possible); Connect Plus will still be required for work outside of class. Students will have to purchase the grammar book (required), and may choose to purchase the dictionary (optional), and loose-leaf text as mentioned above (optional). All materials are available for purchase at the Bookstore., 5 cr

12077 003 DIS, 12:20pm-01:10pm MTWThF, KoltH 138, instruction mode: Classroom; Access to Connect Plus (required) is required for this course. Connect Plus includes access to all online activities (workbook/lab manual) and a full e-book of the text. The cost of this required material will be billed directly to your student account. Students will need to use their laptop or tablet in class to access Connect Plus. If they do not have their device, they cannot do the activities in class. If students do not wish to bring their device to class, they can alternatively purchase the loose-leaf textbook for these in-class activities (it is recommended this is done as soon as possible); Connect Plus will still be required for work outside of class. Students

will have to purchase the grammar book (required), and may choose to purchase the dictionary (optional), and loose-leaf text as mentioned above (optional). All materials are available for purchase at the Bookstore.; Meets with: 26893 ITAL 4001, 5 cr

13512 004 DIS, 01:25pm-02:15pm MTWThF, FolH 3, instruction mode: Classroom; Access to Connect Plus (required) is required for this course. Connect Plus includes access to all online activities (workbook/lab manual) and a full e-book of the text. The cost of this required material will be billed directly to your student account. Students will need to use their laptop or tablet in class to access Connect Plus. If they do not have their device, they cannot do the activities in class. If students do not wish to bring their device to class, they can alternatively purchase the loose-leaf textbook for these in-class activities (it is recommended this is done as soon as possible); Connect Plus will still be required for work outside of class. Students will have to purchase the grammar book (required), and may choose to purchase the dictionary (optional), and loose-leaf text as mentioned above (optional). All materials are available for purchase at the Bookstore., 5 cr

13565 005 DIS, 02:30pm-03:20pm MTWThF, KoltH 137, instruction mode: Classroom; Access to Connect Plus (required) is required for this course. Connect Plus includes access to all online activities (workbook/lab manual) and a full e-book of the text. The cost of this required material will be billed directly to your student account. Students will need to use their laptop or tablet in class to access Connect Plus. If they do not have their device, they cannot do the activities in class. If students do not wish to bring their device to class, they can alternatively purchase the loose-leaf textbook for these in-class activities (it is recommended this is done as soon as possible); Connect Plus will still be required for work outside of class. Students will have to purchase the grammar book (required), and may choose to purchase the dictionary (optional), and loose-leaf text as mentioned above (optional). All materials are available for purchase at the Bookstore., 5 cr

12074 006 DIS, 03:35pm-04:25pm MTWThF, KoltH 138, instruction mode: Classroom; Access to Connect Plus (required) is required for this course. Connect Plus includes access to all online activities (workbook/lab manual) and a full e-book of the text. The cost of this required material will be billed directly to your student account. Students will need to use their laptop or tablet in class to access Connect Plus. If they do not have their device, they cannot do the activities in class. If students do not wish to bring their device to class, they can alternatively purchase the loose-leaf textbook for these in-class activities (it is recommended this is done as soon as possible); Connect Plus will still be required for work outside of class. Students will have to purchase the grammar book (required), and may choose to purchase the dictionary (optional), and loose-leaf text as mentioned above (optional). All materials are available for purchase at the Bookstore., 5 cr

14490 !007 DIS, 04:40pm-06:45pm MTh, FolH 30, instruction mode: Classroom; Access to Connect Plus (required) is required for this course. Connect Plus includes access to all online activities (workbook/lab manual) and a full e-book of the text. The cost of this required material will be billed directly to your student account. Students will need to use their laptop or tablet in class to access Connect Plus. If they do not have their device, they cannot do the activities in class. If students do not wish to bring their device to class, they can alternatively purchase the loose-leaf textbook for these in-class activities (it is recommended this is done as soon as possible); Connect Plus will still be required for work outside of class. Students will have to purchase the grammar book (required), and may choose to purchase the dictionary (optional), and loose-leaf text as mentioned above (optional). All materials are available for purchase at the Bookstore., 5 cr

1002 Beginning Italian

(Credit will not be granted if credit has been received for: ITAL 4002; prereq 1001 or instr consent)

15660 001 DIS, 01:25pm-02:15pm MTWThF, FolH 120, instruction mode: Classroom, 5 cr
18149 !002 DIS, 04:40pm-06:45pm MTh, FolH 3, instruction mode: Classroom, 5 cr

1003 Intermediate Italian

(Credit will not be granted if credit has been received for: ITAL 4003; prereq 1001-1002)

12224 001 DIS, 11:15am-12:05pm MTWThF, FolH 123, instruction mode: Classroom; Meets with: 26813 ITAL 4003, 5 cr
12225 002 DIS, 01:25pm-02:15pm MTWThF, FolH 106, instruction mode: Classroom, 5 cr
12223 003 DIS, 03:35pm-04:25pm MTWThF, KoltH 137, instruction mode: Classroom, 5 cr
17230 !004 DIS, 04:40pm-06:45pm MTh, FolH 121, instruction mode: Classroom, 5 cr

1004 Intermediate Italian

(Credit will not be granted if credit has been received for: ITAL 4004; prereq 1001, 1002, 1003)

15037 001 DIS, 11:15am-12:05pm MTWThF, FolH 122, instruction mode: Classroom; Meets with: 26476 ITAL 4004; Rider, Kathleen Marie, 5 cr
16887 002 DIS, 12:20pm-01:10pm MTWThF, FolH 103, instruction mode: Classroom; Rider, Kathleen Marie, 5 cr

1837 Imagining Italy: Italian and Italian-American Culture, History, and Society through Film

(Credit will not be granted if credit has been received for: ITAL 3837; meets CLE req of Arts/Humanities; meets CLE req of Global Perspectives)

34042 001 LEC, 04:00pm-05:55pm TTh, FolH 108, instruction mode: Classroom; Ferlito, Susanna Florenc, 4 cr

3015 Reading, Conversation, and Composition (prereq 1004)

17232 001 DIS, 04:00pm-05:55pm MW, FolH 13, instruction mode: Classroom; Fabbri, Lorenzo, 4 cr

3459W Senior Project

(meets CLE req of Writing Intensive)

19246 001 IND, instruction mode: Independent/Directed Studies; Fabbri, Lorenzo, 1 cr

3502 Making of Modern Italy: From the Enlightenment to the Present.

(Credit will not be granted if credit has been received for: ITAL 5502; max crs 12; 4 repeats allowed; prereq 3015)

34275 001 DIS, 01:00pm-02:15pm TTh, FolH 107, instruction mode: Classroom; Ferlito, Susanna Florenc, 3 cr

3640 Topics in Italian Studies

(max crs 12; 4 repeats allowed; prereq 3015 or instr consent)

34043 001 LEC, 01:00pm-02:15pm MW, FolH 119, instruction mode: Classroom; Fabbri, Lorenzo, 3 cr

4001 Beginning Italian

(Credit will not be granted if credit has been received for: ITAL 1001; prereq Grad student or instr consent)

26893 005 DIS, 12:20pm-01:10pm MTWThF, KoltH 138, instruction mode: Classroom; Meets with: 12077 ITAL 1001, 2 cr

24251 010 DIS, 06:20pm-08:25pm MTh, . ROOM-TBA, instruction mode: Classroom; 1 seat reserved for Graduate Student; Cocchi, Cristina, 2 cr

4003 Intermediate Italian

(Credit will not be granted if credit has been received for: ITAL 1003; prereq Grad student or instr consent)

26813 001 DIS, 11:15am-12:05pm MTWThF, FolH 123, instruction mode: Classroom; Meets with: 12224 ITAL 1003, 2 cr

24705 004 DIS, 12:20pm-01:10pm MTWThF, . ROOM-TBA, instruction mode: Classroom; Barbieri, Monica, 2 cr

4004 Intermediate Italian

(Credit will not be granted if credit has been received for: ITAL 1004; prereq Grad student or instr consent)

26476 001 DIS, 11:15am-12:05pm MTWThF, FolH 122, instruction mode: Classroom; Meets with: 15037 ITAL 1004; Rider, Kathleen Marie, 2 cr

4970 Directed Readings

(max crs 16; 4 repeats allowed; prereq instr consent)

12071 001 IND, instruction mode: Classroom; Ferlito,

Susanna Florenc, 1-4 cr

15874 002 IND, instruction mode: Classroom; Fabbri,

Lorenzo, 1-4 cr

15961 003 IND, instruction mode: Classroom, 1-4 cr

5970 Directed Readings

(max crs 16; 4 repeats allowed; prereq instr consent)

12072 001 IND, instruction mode: Classroom; Fabbri,

Lorenzo, 1-4 cr

15962 002 IND, instruction mode: Classroom; Ferlito,

Susanna Florenc, 1-4 cr

8992 Directed Readings

(max crs 16; 4 repeats allowed; prereq instr consent)

12073 001 IND, instruction mode: Classroom, 1-4 cr

JAPANESE (Jpn)

220 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455

1011 Beginning Japanese I

(Credit will not be granted if credit has been received for: JPN 4001; max crs 6)

25120 001 LEC, 09:05am-09:55am MTWThF, FolH 18, instruction mode: Classroom; Meets with: 25130 JPN 4001; Crandol, Michael E, 5 cr

25121 002 LEC, 10:10am-11:00am MTWThF, KoltH 138, instruction mode: Classroom; Meets with: 25131 JPN 4001; Matsumoto, Fumiko, 5 cr

25122 003 LEC, 11:15am-12:05pm MTWThF, FolH 18, instruction mode: Classroom; Meets with: 25132 JPN 4001; Tazawa, Kenichi, 5 cr

25123 004 LEC, 12:20pm-01:10pm MTWThF, KoltH 137, instruction mode: Classroom; Meets with: 25133 JPN 4001; Matsumoto, Fumiko, 5 cr

25124 005 LEC, 12:20pm-01:10pm MTWThF, FolH 18, instruction mode: Classroom; Meets with: 25134 JPN 4001; Frayeh Yazawa, Farah, 5 cr

25125 006 LEC, 01:25pm-02:15pm MTWThF, KoltH 139, instruction mode: Classroom; Meets with: 25135 JPN 4001; Mita, Ayumi, 5 cr

25126 007 LEC, 02:30pm-03:20pm MTWThF, FolH 16, instruction mode: Classroom; Mita, Ayumi, 5 cr

25127 008 LEC, 02:30pm-03:20pm MTWThF, FolH 31, instruction mode: Classroom; Meets with: 25137 JPN 4001; Inada, Minoru, 5 cr

25128 009 LEC, 03:35pm-04:25pm MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 25138 JPN 4001; Inada, Minoru, 5 cr

25129 050 LEC, 04:40pm-07:00pm TTh, FolH 104, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 25139 JPN 4001; Inada, Minoru, 5 cr

3021 Intermediate Japanese I

(Credit will not be granted if credit has been received for: JPN 4003; prereq 1012 or instr consent)

12401 001 LEC, 08:00am-08:50am MTWThF, FolH 13, instruction mode: Classroom; Meets with: 15721 JPN 4003; Kawakami, Keiko, 5 cr

12403 002 LEC, 09:05am-09:55am MTWThF, FolH 10, instruction mode: Classroom; Meets with: 15722 JPN 4003; Kawakami, Keiko, 5 cr

12404 003 LEC, 10:10am-11:00am MTWThF, FolH 31, instruction mode: Classroom; Meets with: 15723 JPN 4003; Kawakami, Keiko, 5 cr

19485 004 LEC, 12:20pm-01:10pm MTWThF, FolH 123, instruction mode: Classroom; Meets with: 19889 JPN 4003; Emmett, Keiko, 5 cr

12402 005 LEC, 01:25pm-02:15pm MTWThF, FolH 32, instruction mode: Classroom; Meets with: 15724 JPN 4003; Emmett, Keiko, 5 cr

12405 006 LEC, 02:30pm-03:20pm MTWThF, FolH 122, instruction mode: Classroom; Meets with: 15725 JPN 4003; Emmett, Keiko, 5 cr

23738 050 LEC, 04:40pm-07:00pm TTh, KoltH 139, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 23739 JPN 4003; Mita, Ayumi, 5 cr

3031 Third Year Japanese I

(Credit will not be granted if credit has been received for: JPN 4005; prereq 3022 or instr consent)

19994 001 LEC, 08:00am-08:50am MTThF, FolH 107, instruction mode: Classroom; Meets with: 17668 JPN 4005; Buchanan, Michiko Todokoro, 4 cr

12406 002 LEC, 09:05am-09:55am MTThF, FolH 112, instruction mode: Classroom; Meets with: 19995 JPN 4005; Buchanan, Michiko Todokoro, 4 cr

15549 003 LEC, 03:35pm-04:25pm MTThF, FolH 106, instruction mode: Classroom; Meets with: 17669 JPN 4005; Tazawa, Kenichi, 4 cr

3290 Japanese Language Teaching Tutorial

(max crs 2; S-N; prereq Grade of A in 4042)

17947 001 FWK, instruction mode: Classroom; Department consent forms are available in 220 Folwell Hall. Meeting times arranged with instructor.; Buchanan, Michiko Todokoro, 1 cr

4001 Beginning Japanese I

(Credit will not be granted if credit has been received for: JPN 1011; prereq Grad student)

25130 001 LEC, 09:05am-09:55am MTWThF, FolH 18, instruction mode: Classroom; Meets with: 25120 JPN 1011; Crandol, Michael E, 3 cr

25131 002 LEC, 10:10am-11:00am MTWThF, KoltH 138, instruction mode: Classroom; Meets with: 25121 JPN 1011; Matsumoto, Fumiko, 3 cr

25132 003 LEC, 11:15am-12:05pm MTWThF, FolH 18, instruction mode: Classroom; Meets with: 25122 JPN 1011; Tazawa, Kenichi, 3 cr

25133 004 LEC, 12:20pm-01:10pm MTWThF, KoltH 137, instruction mode: Classroom; Meets with: 25123 JPN 1011; Matsumoto, Fumiko, 3 cr

25134 005 LEC, 12:20pm-01:10pm MTWThF, FolH 18, instruction mode: Classroom; Meets with: 25124 JPN 1011; Frayeh Yazawa, Farah, 3 cr

25135 006 LEC, 01:25pm-02:15pm MTWThF, KoltH 139, instruction mode: Classroom; Meets with: 25125 JPN 1011; Mita, Ayumi, 3 cr

25136 007 LEC, 02:30pm-03:20pm MTWThF, . NORMREQD, instruction mode: Classroom; Mita, Ayumi, 3 cr

25137 008 LEC, 02:30pm-03:20pm MTWThF, FolH 31, instruction mode: Classroom; Meets with: 25127 JPN 1011; Inada, Minoru, 3 cr

25138 009 LEC, 03:35pm-04:25pm MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 25128 JPN 1011; Inada, Minoru, 3 cr

25139 050 LEC, 04:40pm-07:00pm TTh, FolH 104, instruction mode: Classroom; Meets with: 25129 JPN 1011; Inada, Minoru, 3 cr

4003 Intermediate Japanese I

(Credit will not be granted if credit has been received for: JPN 3021; prereq 4002, grad student)

15721 001 LEC, 08:00am-08:50am MTWThF, FolH 13, instruction mode: Classroom; Meets with: 12401 JPN 3021; Kawakami, Keiko, 3 cr

15722 002 LEC, 09:05am-09:55am MTWThF, FolH 10, instruction mode: Classroom; Meets with: 12403 JPN 3021; Kawakami, Keiko, 3 cr

15723 003 LEC, 10:10am-11:00am MTWThF, FolH 31, instruction mode: Classroom; Meets with: 12404 JPN 3021; Kawakami, Keiko, 3 cr

19889 004 LEC, 12:20pm-01:10pm MTWThF, FolH 123, instruction mode: Classroom; Meets with: 19485 JPN 3021; Emmett, Keiko, 3 cr

15724 005 LEC, 01:25pm-02:15pm MTWThF, FolH 32, instruction mode: Classroom; Meets with: 12402 JPN 3021; Emmett, Keiko, 3 cr

15725 006 LEC, 02:30pm-03:20pm MTWThF, FolH 122, instruction mode: Classroom; Meets with: 12405 JPN 3021; Emmett, Keiko, 3 cr

23739 050 LEC, 04:40pm-07:00pm TTh, KoltH 139, instruction mode: Classroom; Meets with: 23738 JPN 3021; Mita, Ayumi, 3 cr

4005 Third Year Japanese I

(Credit will not be granted if credit has been received for: JPN 3031; prereq 4004, grad student)

17668 001 LEC, 08:00am-08:50am MTThF, FolH 107, instruction mode: Classroom; Meets with: 19994 JPN 3031; Buchanan, Michiko Todokoro, 3 cr

19995 002 LEC, 09:05am-09:55am MTThF, FolH 112, instruction mode: Classroom; Meets with: 12406 JPN 3031; Buchanan, Michiko Todokoro, 3 cr

17669 003 LEC, 03:35pm-04:25pm MTThF, FolH 106, instruction mode: Classroom; Meets with: 15549 JPN 3031; Tazawa, Kenichi, 3 cr

4041 Advanced Japanese Conversation and Composition I

(prereq 3032 or instr consent)

12407 001 DIS, 10:10am-12:05pm MW, PeikH 215, instruction mode: Classroom; Buchanan, Michiko Todokoro, 4 cr

5040 Readings in Japanese Texts

(max crs 9; 3 repeats allowed; A-F only; prereq 4042 or equiv or instr consent)

25016 001 LEC, 02:30pm-03:45pm MW, FolH 118, instruction mode: Classroom; Isaka, Maki, 3 cr

5211 Introductory Classical Chinese I

(Credit will not be granted if credit has been received for: CHN 5211, KOR 5211; prereq Two years of an East Asian language (Chinese, Japanese, Korean) or equivalent or instr consent)

25018 001 DIS, 12:20pm-01:10pm MWF, FolH 3, instruction mode: Classroom; Meets with: 25017 CHN 5211, 25019 KOR 5211; Rouzer, Paul F, 3 cr

JEWISH STUDIES (JwSt)

Center for Jewish Studies, 202 Nolte Hall, 315 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/624-4914, <http://cnes.cla.umn.edu>

1034 Introduction to Jewish History and Civilization

(Credit will not be granted if credit has been received for: RELS 3034, RELS 1034, JWST 3034, HIST 1534, HIST 3534; credit will not be granted if credit already received for: JwSt 1034/3034/RelA 1034/3034 RelS 1034/3034; meets CLE req of Historical Perspectives)

22398 001 DIS, 01:00pm-02:15pm TTh, NichH 145,
instruction mode: Classroom; Meets with: 26314 HIST
1534, 26315 HIST 3534, 22398 JWST 3034, 24068 RELS
1034, 24069 RELS 3034; Schroeter, Daniel J, 3 cr

1201 The Bible: Context and Interpretation

(Credit will not be granted if credit has been received for: RELS 3201, CNES 3201, CNES 1201, JWST 3201, RELS 1201; meets CLE req of Literature)

20594 001 LEC, 02:30pm-03:45pm TTh, NichH 155,
instruction mode: Classroom; Meets with: 21502 CNES
1201, 21503 CNES 3201, 20595 JWST 3201, 20591 RELS
1201, 20592 RELS 3201; Levinson, Hanne Loeland, 3 cr

3034 Introduction to Jewish History and Civilization

(Credit will not be granted if credit has been received for: JWST 1034, RELS 3034, RELS 1034, HIST 1534, HIST 3534; credit will not be granted if credit already received for: JwSt 1034/3034/RelA 1034/3034 RelS 1034/3034; meets CLE req of Historical Perspectives)

22399 001 DIS, 01:00pm-02:15pm TTh, NichH 145,
instruction mode: Classroom; Meets with: 26314 HIST
1534, 26315 HIST 3534, 22398 JWST 1034, 24068 RELS
1034, 24069 RELS 3034; Schroeter, Daniel J, 3 cr

3201 The Bible: Context and Interpretation

(Credit will not be granted if credit has been received for: RELS 3201, CNES 3201, CNES 1201, JWST 1201, RELS 1201; meets CLE req of Literature)

20595 001 LEC, 02:30pm-03:45pm TTh, NichH 155,
instruction mode: Classroom; Meets with: 21502 CNES
1201, 21503 CNES 3201, 20594 JWST 1201, 20591 RELS
1201, 20592 RELS 3201; Levinson, Hanne Loeland, 3 cr

4000W Final Project, Writing Intensive

(A-F only; prereq JwSt major, permission of dir of undergrad studies; meets CLE req of Writing Intensive)

16727 001 IND, instruction mode: Classroom, 4 cr

4001W Final Project, Writing Intensive

(A-F only; prereq Concurrent registration is required (or allowed) in 5xxx, JwSt major, permission of dir of undergrad studies; meets CLE req of Writing Intensive)

12359 001 IND, instruction mode: Classroom, 1 cr

JOURNALISM AND MASS COMMUNICATION (Jour)

111 Murphy Hall, 206 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9824, <http://www.sjmc.umn.edu>

1001 Introduction to Mass Communication

(Credit will not be granted if credit has been received for: JOUR 1001H; meets CLE req of Social Sciences; meets CLE req of Technology and Society)

10628 001 LEC, 11:15am-12:30pm MW, MurH 130,
instruction mode: Classroom; 10 seats reserved for NASS
and pre-Jour mjr, 3 cr

22124 002 LEC, 01:00pm-02:15pm TTh, BellMus 100,
instruction mode: Classroom; 10 seats reserved for NASS
and pre-Jour mjr, 3 cr

13675 003 LEC, 09:45am-11:00am TTh, AndH 270,
instruction mode: Classroom; 10 seats reserved for NASS
and pre-Jour mjr; 20 seats reserved for CATS (CLA Pres
Emerg Scholars), 3 cr

1001H Honors: Introduction to Mass Communication

(Credit will not be granted if credit has been received for: JOUR 1001; A-F only; prereq Honors, [pre-jour or non-jour major]; meets CLE req of Social Sciences; meets CLE req of Technology and Society; meets HON req of Honors)

19755 001 LEC, 01:00pm-02:15pm MW, RapsonH 31,
instruction mode: Classroom, 3 cr

1501 Digital Games, Sims and Apps: Storytelling, Play and Commerce

(meets CLE req of Arts/Humanities; meets CLE req of Technology and Society)

27389 001 LEC, 11:15am-12:30pm TTh, STSS 114,
instruction mode: Classroom, 3 cr

1904 Freshman Seminar

(A-F only; prereq freshman; meets CLE req of Global Perspectives)

24064 001 LEC, 01:00pm-02:15pm MW, MurH 25, instruction
mode: Classroom, 3 cr

3004W Information for Mass

Communication

(A-F; prereq Jour major or jour minor or approved BIS/IDIM/ICP program; meets CLE req of Writing Intensive)

001 LEC, 09:05am-09:55am MW, MurH 130, instruction
mode: Classroom

17595 002 DIS, 09:05am-09:55am F, MurH 130, instruction
mode: Classroom; Meets with: 17596 JOUR 3004W, 19663
JOUR 3004W, 3 cr

19663 003 DIS, 09:05am-09:55am F, MurH 130, instruction
mode: Classroom; Meets with: 17595 JOUR 3004W, 17596
JOUR 3004W, 3 cr

17596 004 DIS, 09:05am-09:55am F, MurH 130, instruction
mode: Classroom; Meets with: 17595 JOUR 3004W, 19663
JOUR 3004W, 3 cr

008 LEC, 10:10am-11:00am MW, MurH 130, instruction
mode: Classroom

22223 009 DIS, 10:10am-11:00am F, MurH 130, instruction
mode: Classroom; Meets with: 22224 JOUR 3004W, 23574
JOUR 3004W, 25719 JOUR 3004W, 3 cr

22224 010 DIS, 10:10am-11:00am F, MurH 130, instruction
mode: Classroom; Meets with: 22223 JOUR 3004W, 23574
JOUR 3004W, 25719 JOUR 3004W, 3 cr

23574 011 DIS, 10:10am-11:00am F, MurH 130, instruction
mode: Classroom; Meets with: 22223 JOUR 3004W, 22224
JOUR 3004W, 25719 JOUR 3004W, 3 cr

25719 012 DIS, 10:10am-11:00am F, MurH 130, instruction
mode: Classroom; Meets with: 22223 JOUR 3004W, 22224
JOUR 3004W, 23574 JOUR 3004W, 3 cr

3005 Mass Media Effects

(meets CLE req of Social Sciences)

18891 001 LEC, 11:15am-12:30pm TTh, MurH 130,
instruction mode: Classroom, 3 cr

3006 Visual Communication

16129 001 LEC, 02:30pm-03:45pm MW, MurH 130,
instruction mode: Classroom, 3 cr

3101 News Reporting and Writing

(Credit will not be granted if credit has been received for: JOUR 3101H; A-F; prereq [3004W or 3004V or Concurrent registration is required (or allowed) in 3004W or 3004V], [jour major or admitted pre-jour or approved BIS/IDIM/ICP program])

25067 001 LEC, 02:30pm-04:25pm TTh, MurH 10NORTH,
instruction mode: Classroom, 3 cr

18339 002 LEC, 10:10am-12:05pm TTh, MurH 10SOUTH,
instruction mode: Classroom, 3 cr

3102 Multimedia Production and

Storytelling

(A-F; prereq [3004W or 3004V or Concurrent registration is required (or allowed) in 3004W or Concurrent registration is required (or allowed) in 3004V], [3101 or 3101H or Concurrent registration is required (or allowed) in 3101 or Concurrent registration is required (or allowed) in 3101H or 3279W or Concurrent registration is required (or allowed) in 3279W or 3241 or Concurrent registration is required (or allowed) in 3241], [jour major or admitted pre-jour or approved BIS/IDIM/ICP program])

14730 001 LEC, 12:20pm-02:15pm MW, MurH 10NORTH,
instruction mode: Classroom, 3 cr

14731 002 LEC, 12:20pm-02:15pm TTh, MurH 10NORTH,
instruction mode: Classroom, 3 cr

3103 Interactive and Data Journalism

(A-F; prereq [3004W or 3004V], [3101 or 3101H or 3279W], [jour major or approved BIS/IDIM/ICP program])

25007 001 LEC, 12:20pm-02:15pm MW, MurH 10SOUTH,
instruction mode: Classroom, 3 cr

3121 Intermediate News Reporting

(A-F; prereq [3004W or 3004V], [3101 or 3101H], [jour major or approved BIS/IDIM/ICP program])

10630 001 LEC, 08:15am-09:30am MW, MurH 25, instruction
mode: Classroom, 3 cr

15177 002 LEC, 11:15am-12:30pm TTh, MurH 228,
instruction mode: Classroom, 3 cr

3173W Magazine Writing

(A-F; prereq [3004W or 3004V, 3101 or 3101H, or 3279W], [jour major or approved BIS/IDIM/ICP program]; meets CLE req of Writing Intensive)

23575 001 LEC, 11:15am-12:30pm MW, MurH 228,
instruction mode: Classroom, 3 cr

3201 Principles of Strategic

Communication

(A-F only; prereq [3004W or 3004V or Concurrent registration is required (or allowed) in 3004W or Concurrent registration is required (or allowed) in

3004V], [Jour major or mass comm minor or admitted pre-jour or approved BIS/IDIM/ICP program])

22253 001 LEC, 11:15am-12:30pm TTh, ScottH 4, instruction
mode: Classroom, 3 cr

14448 002 LEC, 01:25pm-02:15pm MWF, RapsonH 56,
instruction mode: Classroom, 3 cr

3241 Advertising Strategy and Creative Development

(A-F; prereq [3004W or 3004V], 3201, [jour major or approved BIS/IDIM/ICP program])

10632 001 LEC, 09:45am-11:00am TTh, MurH 228,
instruction mode: Classroom, 3 cr

13388 002 LEC, 01:00pm-02:15pm MW, MurH 228,
instruction mode: Classroom, 3 cr

25253 003 LEC, 02:30pm-03:45pm TTh, MurH 228,
instruction mode: Classroom, 3 cr

3251 Evaluative Research in Strategic Communication

(A-F; prereq [3004W or 3004V], [3201 or 3202], Jour major or approved BIS/IDIM/ICP major)

13389 001 LEC, 08:15am-09:30am MW, STSS 312,
instruction mode: Classroom, 3 cr

3253 Account Planning

(A-F; prereq [JOUR 3004W or JOUR 3004V], [JOUR 3201 or JOUR 3202], Jour major or approved BIS/IDIM/ICP major)

23576 001 LEC, 11:15am-12:30pm MW, MurH 214,
instruction mode: Classroom, 3 cr

3261 Media Planning

(A-F; prereq [3004W or 3004V], [3201 or 3202], [jour major or approved BIS/IDIM/ICP program]; credit will not be granted if credit already received for: Jour 4261)

10634 001 LEC, 04:00pm-05:15pm TTh, MurH 214,
instruction mode: Classroom, 3 cr

3275 Digital Media in Strategic

Communication

(A-F; prereq [3004W or 3004V], [3201 or 3202], [3241 or 3279W or Concurrent registration is required (or allowed) in 3241 or Concurrent registration is required (or allowed) in 3279W], [jour major or approved BIS/IDIM/ICP program])

23577 001 LEC, 08:15am-09:30am TTh, MurH 214,
instruction mode: Classroom, 3 cr

23578 002 LEC, 02:30pm-03:45pm MW, MurH 214,
instruction mode: Classroom, 3 cr

3279W Professional Writing for Strategic Communication

(A-F; prereq [3004W or 3004V], [3201 or 3202], [jour major or approved BIS/IDIM/ICP]; meets CLE req of Writing Intensive)

10631 001 LEC, 08:15am-09:30am MW, MurH 10SOUTH,
instruction mode: Classroom, 3 cr

22228 002 LEC, 04:40pm-05:55pm TTh, MurH 10SOUTH,
instruction mode: Classroom, 3 cr

17306 003 LEC, 08:15am-09:30am TTh, MurH 10SOUTH,
instruction mode: Classroom, 3 cr

26427 004 LEC, 09:45am-11:00am MW, MurH 10SOUTH,
instruction mode: Classroom, 3 cr

3321 Media Design

(A-F; prereq [3004W or 3004V or Concurrent registration is required (or allowed) in 3004W or Concurrent registration is required (or allowed) in 3004V], [jour major or admitted pre-jour or approved BIS/IDIM/ICP program])

13390 001 LEC, 12:20pm-02:15pm MW, MurH 10CENTER,
instruction mode: Classroom, 3 cr

23580 002 LEC, 10:10am-12:05pm TTh, MurH 10CENTER,
instruction mode: Classroom, 3 cr

17938 003 LEC, 02:30pm-04:25pm TTh, MurH 10CENTER,
instruction mode: Classroom, 3 cr

23897 004 LEC, 08:00am-09:55am TTh, MurH 10CENTER,
instruction mode: Classroom, 3 cr

3451 TV, Radio and Digital News Reporting

(A-F; prereq [3004W or 3004V], [3101 or 3101H or 3279W], [jour major or approved BIS/IDIM/ICP program])

001 LEC, 01:00pm-02:15pm TTh, MurH 10SOUTH,
instruction mode: Classroom; ***It is strongly encouraged to have completed Jour 3102, Multimedia Production and Storytelling, before taking this course.***

19737 002 LAB, 02:15pm-04:00pm T, MurH 10SOUTH,
instruction mode: Classroom, 3 cr

3552 Internet and Global Society

(meets CLE req of Global Perspectives)

25309 001 LEC, 02:30pm-03:45pm TTh, MurH 214,
instruction mode: Classroom, 3 cr

3614 History of Media Communication
(meets CLE req of Historical Perspectives; meets CLE req of Technology and Society)

22333 001 LEC, instruction mode: Classroom, 3 cr

3741 Diversity and Mass Communication
(meets CLE req of Diversity and Soc Justice US)

22229 001 LEC, 01:00pm-02:15pm MW, MurH 130,
instruction mode: Classroom, 3 cr

3745 Mass Media and Popular Culture

(Credit will not be granted if credit has been received for: JOUR 3745H; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

13849 001 LEC, 01:00pm-02:15pm TTh, NichH 275,
instruction mode: Classroom, 3 cr
22973 002 LEC, 01:00pm-02:15pm MW, NichH 155,
instruction mode: Classroom, 3 cr

3771 Mass Media Ethics: Moral Reasoning and Case Studies
(meets CLE req of Civic Life and Ethics)

10657 001 LEC, 09:45am-11:00am TTh, MurH 214,
instruction mode: Classroom, 3 cr

3776 Mass Communication Law

(Credit will not be granted if credit has been received for: JOUR 3776H; A-F)

10633 001 LEC, 08:15am-09:30am TTh, MurH 130,
instruction mode: Classroom; Meets with: 27390 JOUR 3776H, 3 cr

3776H Mass Communication Law

(Credit will not be granted if credit has been received for: JOUR 3776; A-F; prereq Honors; meets HON req of Honors)

27390 001 LEC, 08:15am-09:30am TTh, MurH 130,
instruction mode: Classroom; Meets with: 10633 JOUR 3776, 3 cr

3796 Mass Media and Politics

13342 001 LEC, 02:30pm-03:45pm TTh, MurH 130,
instruction mode: Classroom, 3 cr

3993 Directed Study

(max crs 6; 6 repeats allowed; A-F only)

13459 001 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
15687 002 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
15688 003 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
15689 004 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
15690 005 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Doyle, Kenneth Owen, 1-3 cr
15691 006 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Eighmey, John, 1-3 cr
15692 007 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
15693 008 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
15694 009 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Hansen, Kathleen Ann, 1-3 cr
15695 010 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Huh, Jisu, 1-3 cr
16221 011 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
16222 012 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Kirtley, Jane E, 1-3 cr
16223 013 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
16224 014 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Ison, Christopher John, 1-3 cr
16225 015 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
16226 016 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
16227 017 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
16228 018 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Tims, Albert R, 1-3 cr
16229 019 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Wackman, Daniel B, 1-3 cr

16230 020 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Yzer, Marco, 1-3 cr
16231 021 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Thiel-Stern, Shayla, 1-3 cr
16232 022 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Sullivan, Dan, 1-3 cr
16233 023 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
16234 024 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
16235 025 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Golden, Gayle Celeste, 1-3 cr
16236 026 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
16237 027 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
16238 028 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr

3996 Directed Internship

(max crs 3; 3 repeats allowed; S-N only; prereq Jour major, dept consent)

15696 001 FWK, instruction mode: Classroom; Wehrenberg, Steven James, 1 cr
17772 002 FWK, instruction mode: Classroom; Johnson, Jennifer M, 1 cr
17773 003 FWK, instruction mode: Classroom, 1 cr
17774 004 FWK, instruction mode: Classroom; Golden, Gayle Celeste, 1 cr
20808 005 FWK, instruction mode: Classroom; Broeckert, Jerry, 1 cr
22698 006 FWK, instruction mode: Classroom; Libin, Scott M, 1 cr

4171 Covering the Arts

(A-F; prereq [[3004W or 3004V, 3101 or 3101H], [jour major or approved BIS/IDIM/ICP program]] or instr consent)

32902 001 LAB, 02:30pm-03:45pm TTh, MurH 15, instruction mode: Classroom; Thursday meetings will be held at Jungle Theater., 3 cr

4193 Brovald-Sim Community Journalism Practicum: Murphy News Service

(A-F; prereq [3004W or 3004V], [3101 or 3101H], [jour major or approved BIS/IDIM/ICP program])

23763 001 LAB, 12:20pm-02:15pm T, MurH 25, 12:20pm-02:15pm Th, MurH 10CENTER, instruction mode: Classroom, 3 cr

4242 Advertising Portfolio Development

(A-F; prereq [3004W or 3004V], 3201, 3241, [jour major or approved BIS/IDIM/ICP program])

18341 001 LEC, 01:00pm-02:15pm TTh, MurH 228,
instruction mode: Classroom, 3 cr

4251 Psychology of Advertising

(Credit will not be granted if credit has been received for: JOUR 5251; prereq .)

24065 001 LEC, 01:00pm-02:15pm TTh, MurH 130,
instruction mode: Classroom, 3 cr

4259 Strategic Communication Case Analysis

(A-F; prereq [3004W or 3004V], [3201 or Jour 3202], any one additional 32xx skills course, [jour major or approved BIS/IDIM/ICP program])

22230 001 LEC, 02:30pm-03:45pm MW, MurH 25, instruction mode: Classroom, 3 cr
15589 002 LEC, 09:45am-11:00am TTh, MurH 25, instruction mode: Classroom, 3 cr

4262 Management for Strategic Communication

(A-F; prereq [3004W or 3004V], [3201 or 3202], one additional JOUR 32xx skills course, jour major or approved BIS/IDIM/ICP program)

23579 001 LEC, 01:00pm-02:15pm MW, MurH 214,
instruction mode: Classroom, 3 cr

4263 Strategic Communication Campaigns

(A-F only; prereq [4242 or 4259 or 4262 or Concurrent registration is required (or allowed) in 4242 or Concurrent registration is required (or allowed) in 4259 or Concurrent registration is required (or allowed) in 4262 or ROME 3003], [jour major or approved BIS/IDIM/ICP program])

10635 001 LEC, 02:30pm-04:25pm TTh, MurH 25, instruction mode: Classroom, 3 cr

10636 002 LEC, 10:10am-12:05pm MW, MurH 25, instruction mode: Classroom, 3 cr
19328 003 LEC, 04:00pm-05:55pm MW, MurH 25, instruction mode: Classroom, 3 cr

4274W Advertising in Society

(Credit will not be granted if the student has already completed Jour 4274; meets CLE req of Writing Intensive)

13444 001 LEC, 08:15am-09:30am MW, MurH 228,
instruction mode: Classroom, 3 cr

4302 Electronic Photojournalism

(A-F only; prereq [3004W or 3004V], 3102, [jour major or approved BIS/IDIM/ICP program])

16807 001 LEC, 09:45am-11:00am MW, MurH 10NORTH,
instruction mode: Classroom, 3 cr

4451 Advanced TV, Radio and Digital News Reporting

(A-F only; prereq [3004W or 3004V], [3101 or 3101H], 3451, [3121 or Concurrent registration is required (or allowed) in 3121], [jour major or approved BIS/IDIM/ICP program])

001 LEC, 09:05am-09:55am MWF, MurH 10,
09:05am-09:55am MWF, MurH 10H, 09:05am-09:55am MWF, MurH 10CENTER, instruction mode: Classroom
33928 002 LAB, 10:10am-11:00am MWF, MurH 10,
10:10am-11:00am MWF, MurH 10H, 10:10am-11:00am MWF, MurH 10CENTER, instruction mode: Classroom, 3 cr

4551 New Media and Culture

(meets CLE req of Arts/Humanities; meets CLE req of Technology and Society)

23765 001 LEC, 01:00pm-02:15pm TTh, AndH 270,
instruction mode: Classroom, 3 cr

4721 Mass Media and U.S. Society

(Credit will not be granted if credit has been received for: JOUR 4721H; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences)

25004 001 LEC, 01:00pm-02:15pm TTh, MurH 214,
instruction mode: Classroom; Meets with: 25005 JOUR 4721H, 3 cr

4721H Mass Media and U.S. Society

(Credit will not be granted if credit has been received for: JOUR 4721; A-F; prereq Honors; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences; meets HON req of Honors)

25005 001 LEC, 01:00pm-02:15pm TTh, MurH 214,
instruction mode: Classroom; Meets with: 25004 JOUR 4721, 3 cr

4733H Honors Thesis Seminar

(A-F; prereq Jour major, [jr or sr], honors; meets CLE req of Writing Intensive; meets HON req of Honors)

20324 001 LEC, 01:00pm-02:15pm MW, MurH 15, instruction mode: Classroom, 3 cr

4990 Special Topics in Mass Communication: Professional

(max crs 6; A-F only; prereq [3101 or 3201 or 3202], 3004, [Jour major or approved IDIM major or ICP major or BIS major])

22625 001 LEC, 09:45am-11:00am TTh, MurH 15, instruction mode: Classroom; Topic prereq - [3101 or 3101H], 3004, 3121 [jour major or approved IDIM major or ICP major or BIS major] or instr consent, 3 cr

4992 Field Based Practicum

(max crs 6; A-F only; prereq Jour major)

18342 001 LEC, 12:00pm-02:00pm F, . NORMREQD, OFFCAMPUS, instruction mode: Classroom; Instructor Approval needed to register--go to Rm 110 MurH; + additional hours--meeting off campus at Pioneer Press, 3 cr

4993H Honors: Projects

(A-F only; meets HON req of Honors)

13460 001 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 3 cr
15877 002 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 3 cr
15878 003 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Williams, Jennifer Lisa, 3 cr
15879 004 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Johnson, Jennifer M, 3 cr
15880 005 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Doyle, Kenneth Owen, 3 cr
16348 006 IND, instruction mode: Classroom; Eighmey, John, 3 cr

16349 007 IND, instruction mode: Classroom, 3 cr
 16350 008 IND, instruction mode: Classroom; , 3 cr
 16351 009 IND, instruction mode: Classroom; Hansen, Kathleen Ann, 3 cr
 16352 010 IND, instruction mode: Classroom; Huh, Jisu, 3 cr
 16353 011 IND, instruction mode: Classroom; , 3 cr
 16354 012 IND, instruction mode: Classroom; Kirtley, Jane E, 3 cr
 16355 013 IND, instruction mode: Classroom, 3 cr
 16356 014 IND, instruction mode: Classroom; Ison, Christopher John, 3 cr
 16357 015 IND, instruction mode: Classroom, 3 cr
 16358 016 IND, instruction mode: Classroom; , 3 cr
 16359 017 IND, instruction mode: Classroom, 3 cr
 16360 018 IND, instruction mode: Classroom; Tims, Albert R, 3 cr
 16361 019 IND, instruction mode: Classroom; Wackman, Daniel B, 3 cr
 16362 020 IND, instruction mode: Classroom; Yzer, Marco, 3 cr
 16363 021 IND, instruction mode: Classroom; Thiel-Stern, Shayla, 3 cr
 16364 022 IND, instruction mode: Classroom; Sullivan, Dan, 3 cr
 16365 023 IND, instruction mode: Classroom; , 3 cr
 16366 024 IND, instruction mode: Classroom; , 3 cr
 16367 025 IND, instruction mode: Classroom; Golden, Gayle Celeste, 3 cr
 16368 026 IND, instruction mode: Classroom, 3 cr
 16369 027 IND, instruction mode: Classroom, 3 cr
 16370 028 IND, instruction mode: Classroom; , 3 cr

5131 In-Depth Reporting

(A-F; prereq [3004W or 3004V], [3101 or 3101H], 3121, [your major or approved BIS/IDIM/ICP program]; credit will not be granted if credit received for: 4131)

13853 001 LEC, 08:15am-09:30am TTh, MurH 25, instruction mode: Classroom, 3 cr

5174 Magazine Editing and Production

(A-F; prereq [3004W or 3004V], [3155 or 3173W or 3279W or 3321 or 4302]], [your major or approved BIS/IDIM/ICP program]; credit will not be granted if credit received for: 4174)

21261 001 LEC, 02:30pm-04:25pm MW, MurH 228, 02:30pm-04:25pm MW, MurH 10SOUTH, 02:30pm-04:25pm MW, MurH 10CENTER, instruction mode: Classroom, 3 cr

5501 Communication, Public Opinion, and Social Media

15876 001 LEC, 11:15am-12:30pm MW, NichH 35, instruction mode: Classroom, 3 cr

5541 Mass Communication and Public Health

(Credit will not be granted if credit has been received for: PUBH 6074)

23895 001 LEC, 09:45am-11:00am TTh, MurH 130, instruction mode: Classroom; Meets with: 24227 PUBH 6074, 3 cr

5725 Management of Media Organizations

27391 001 LEC, 09:45am-11:00am MW, MurH 228, instruction mode: Classroom, 3 cr

5777 Contemporary Problems in Freedom of Speech and Press

(Credit will not be granted if credit has been received for: LAW 6030; A-F only; prereq Jour major or jour minor or approved BIS/IDIM/ICP program)

17231 001 LEC, 01:00pm-02:15pm TTh, MurH 15, instruction mode: Classroom; Course open to non Jour majors/minor with a previous law course--contact instructor for permission.; Meets with: 26004 LAW 6030, 3 cr

5993 Directed Study

(max crs 6; 6 repeats allowed; A-F only)

13461 001 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
 15697 002 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
 15698 003 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
 15699 004 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
 15700 005 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Doyle, Kenneth Owen, 1-3 cr
 15701 006 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Eighmey, John, 1-3 cr
 15702 007 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr

15703 008 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
 15704 009 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Hansen, Kathleen Ann, 1-3 cr
 15705 010 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Huh, Jisu, 1-3 cr
 16239 011 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
 16240 012 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Kirtley, Jane E, 1-3 cr
 16241 013 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
 16242 014 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Ison, Christopher John, 1-3 cr
 16243 015 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
 16244 016 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
 16245 017 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
 16246 018 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Tims, Albert R, 1-3 cr
 16247 019 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Wackman, Daniel B, 1-3 cr
 16248 020 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Yzer, Marco, 1-3 cr
 16249 021 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Thiel-Stern, Shayla, 1-3 cr
 16250 022 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Sullivan, Dan, 1-3 cr
 16251 023 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
 16252 024 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr
 16253 025 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Golden, Gayle Celeste, 1-3 cr
 16254 026 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
 16255 027 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-3 cr
 16256 028 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-3 cr

8001 Studies and Theories of Mass Communication

(A-F only)

10637 001 LEC, 11:15am-12:30pm TTh, MurH 15, instruction mode: Classroom, 3 cr

8009 Pro-seminar in Mass Communication (S-N; prereq Grad students enrolled in Mass Communication MA or PhD program)

24417 001 LEC, 02:30pm-03:20pm M, MurH 15, instruction mode: Classroom, 1 cr

8200 Communication Strategy Research in Rapidly Changing and Complex Media Environments

(A-F only; prereq Strat Comm MA grad major)

17089 I001 LEC, 05:30pm-08:00pm T, MurH 228, instruction mode: Classroom, 3 cr

8201 Factors Affecting Communication Strategy

(A-F; prereq Strat Comm MA grad major)

17090 I001 LEC, 05:30pm-08:00pm Th, MurH 228, instruction mode: Classroom, 3 cr

8204 Measuring the Effectiveness of Strategic Communication Campaigns (A-F; prereq 8203, Strat Comm MA grad major)

17616 I001 LEC, 05:30pm-08:00pm Th, MurH 214, instruction mode: Classroom, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13983 001 IND, instruction mode: Classroom; , 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14117 001 IND, instruction mode: Classroom, 1 cr

8501 Seminar: The Process of Quantitative Mass Communication Research

(A-F only; prereq 9 cr soc sci, EPsy 5260 or equiv or Concurrent registration is required (or allowed) in EPsy 5260)

23660 001 LEC, 09:45am-11:00am MW, MurH 15, instruction mode: Classroom, 3 cr

8502 Seminar: Multi-method research in Mass Communication

(A-F only; prereq 8501, [EPsy 5260 or equiv or Concurrent registration is required (or allowed) in EPsy 5260])

33843 001 LEC, 11:15am-02:15pm Th, MurH 25, instruction mode: Classroom, 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14237 001 IND, instruction mode: Classroom, 1-6 cr

8675 Seminar: Issues in Information Access and Communication

(A-F only)

34465 001 LEC, 09:05am-12:05pm F, MurH 15, instruction mode: Classroom, 3 cr

8720 Seminar: Mass Media and Health

(A-F; prereq Grad students enrolled in Mass Communication MA or PhD program or instr consent)

33962 001 LEC, instruction mode: Classroom, 3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))

14320 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13754 001 IND, instruction mode: Classroom, 1-24 cr

8993 Directed Study

(max crs 6; 6 repeats allowed; A-F only; prereq Grad mass comm major or minor, instr consent, dept consent)

13462 001 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-6 cr
 16041 002 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Lewis, Seth Corwin, 1-6 cr
 16042 003 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Watson, Brendan R, 1-6 cr
 16043 004 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Dell'Orto, Giovanna, 1-6 cr
 16044 005 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Doyle, Kenneth Owen, 1-6 cr
 16257 006 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Eighmey, John, 1-6 cr
 16258 007 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Ball, Jennifer, 1-6 cr
 16259 008 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-6 cr
 16260 009 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Hansen, Kathleen Ann, 1-6 cr
 16261 010 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Huh, Jisu, 1-6 cr
 16262 011 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-6 cr
 16263 012 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Kirtley, Jane E, 1-6 cr
 16264 013 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-6 cr
 16265 014 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Ison, Christopher John, 1-6 cr
 16266 015 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-6 cr
 16267 016 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-6 cr

16268 017 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-6 cr
 16269 018 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Tims, Albert R, 1-6 cr
 16270 019 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Wackman, Daniel B, 1-6 cr
 16271 020 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Yzer, Marco, 1-6 cr
 16272 021 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Thiel-Stern, Shayla, 1-6 cr
 16273 022 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Sullivan, Dan, 1-6 cr
 16274 023 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-6 cr
 16275 024 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-6 cr
 16276 025 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; Golden, Gayle Celeste, 1-6 cr
 16277 026 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-6 cr
 16278 027 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall, 1-6 cr
 16279 028 IND, instruction mode: Classroom; Student / Faculty Contract form available in 110 Murphy Hall; , 1-6 cr

KINESIOLOGY (Kin)

220 Cooke Hall, 1900 University Ave SE,
 East Bank Campus, Minneapolis, MN, 55455
 612/625-5300, <http://cehd.umn.edu/kin>

1050 Beginning Military Physical Fitness Training

(max crs 4; 4 repeats allowed; A-F only)
 13596 001 LEC, 06:30am-07:30am MWF, AkerH 225, instruction mode: Classroom; Meets with: 13597 KIN 3050; Axtell, Thomas E, 1 cr

1871 Survey of Kinesiology, Recreation, and Sport

(A-F only)
 11226 001 LEC, 08:15am-09:30am TTh, RapsonH 100, instruction mode: Classroom; Thul PhD, Chelsey, 3 cr

3001 Lifetime Health and Wellness

(A-F only; meets CLE req of Social Sciences)
 15083 001 LEC, 09:45am-11:00am TTh, Mayo C231, instruction mode: Classroom; Betker, Morgan R, 3 cr
 17195 002 LEC, 11:15am-12:30pm TTh, Mayo C231, instruction mode: Classroom; Ingraham PhD, Stacy Jean, 3 cr
 19873 003 LEC, 01:00pm-02:15pm TTh, Mayo C231, instruction mode: Classroom; Barr-Anderson PhD, Daheia Julina, 3 cr

3027 Human Anatomy for Kinesiology Students

(A-F only)
 001 LEC, 11:15am-12:05pm MW, Mayo C231, instruction mode: Classroom; Biltz MD, George R
 19809 002 LAB, 12:20pm-01:10pm W, MarA 141, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Zavala, Hanan Dawn, 3 cr
 19810 003 LAB, 01:25pm-02:15pm W, MarA 141, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Zavala, Hanan Dawn, 3 cr
 20323 004 LAB, 02:30pm-03:20pm W, MarA 141, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Zavala, Hanan Dawn, 3 cr
 22620 005 LAB, 03:35pm-04:25pm W, MarA 141, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Zavala, Hanan Dawn, 3 cr

3050 Advanced Military Physical Fitness Training

(max crs 4; 4 repeats allowed; A-F only; prereq 4 cr of 1050 or instr consent)
 13597 001 LEC, 06:30am-07:30am MWF, AkerH 225, instruction mode: Classroom; Meets with: 13596 KIN 1050; Axtell, Thomas E, 1 cr

3112 Introduction to Biomechanics

(A-F; prereq [PHYS 1101W or PHYS 1201W or PHYS 1301W or PHYS 1401V], [3027 or 3111 or ANAT 3001 or ANAT 3601 or ANAT 3611 or INMD 3001 or INMD 3601])
 001 LEC, 09:05am-11:00am T, RapsonH 56, instruction mode: Classroom; Aman PhD, Joshua Emanuel

13854 002 LAB, 08:15am-09:55am Th, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Holst-Wolf, Jessica, 4 cr
 13855 003 LAB, 10:10am-11:50am Th, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Khosravani, Sanaz, 4 cr
 13856 004 LAB, 12:05pm-01:45pm Th, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Khosravani, Sanaz, 4 cr
 17940 005 LAB, 02:00pm-03:40pm Th, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Yeh, I-Ling, 4 cr
 21341 006 LAB, 04:00pm-05:40pm Th, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Yeh, I-Ling, 4 cr

3114 Prevention and Care of Athletic Injuries

(A-F; prereq [3027 or ANAT 3001 or ANAT 3601 or ANAT 3611 or equiv], [CEHD student or instr consent])
 11225 001 LEC, 09:45am-11:00am MW, Meche 221, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Osgood, Chad Thomas, 3 cr

3126W Sport and Exercise Psychology

(A-F only; prereq Kin major or instr consent; meets CLE req of Writing Intensive)
 001 LEC, 10:10am-11:00am MW, Mayo C231, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M.
 11158 002 DIS, 08:00am-08:50am F, CookeH 206, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 3 cr
 17293 003 DIS, 09:05am-09:55am F, CookeH 206, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 3 cr
 21422 004 DIS, 10:10am-11:00am F, CookeH 206, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 3 cr
 21423 005 DIS, 11:15am-12:05pm F, CookeH 206, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 3 cr
 21424 006 DIS, 12:20pm-01:10pm F, CookeH 206, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 3 cr

3131W History and Philosophy of Sport

(A-F only; prereq Kin major or instr consent; meets CLE req of Writing Intensive)
 001 LEC, 02:30pm-03:20pm TTh, Meche 18, instruction mode: Classroom; Weiss PhD, Maureen
 14621 002 DIS, 03:35pm-04:25pm T, CookeH 206, instruction mode: Classroom; Weiss PhD, Maureen, 3 cr
 20929 1003 DIS, 04:40pm-05:30pm T, CookeH 206, instruction mode: Classroom; Weiss PhD, Maureen, 3 cr
 21425 004 DIS, 03:35pm-04:25pm Th, CookeH 206, instruction mode: Classroom; Weiss PhD, Maureen, 3 cr
 21426 1005 DIS, 04:40pm-05:30pm Th, CookeH 206, instruction mode: Classroom; Weiss PhD, Maureen, 3 cr
 21427 1006 DIS, 05:45pm-06:35pm Th, CookeH 206, instruction mode: Classroom; Weiss PhD, Maureen, 3 cr

3132 Introduction to Motor Development

Across the Lifespan
 (A-F only; credit will not be granted if credit already received for: Kin 4132; Kin major or instr consent)
 19694 001 LEC, 01:00pm-02:15pm TTh, RapsonH 56, instruction mode: Classroom; Rodgerson PhD, Richard W, 3 cr
 22831 002 LEC, 02:30pm-03:45pm MW, AkerH 225, instruction mode: Classroom; Rodgerson PhD, Richard W, 3 cr

3135 Introduction to Motor Learning and Control

(A-F only; prereq Kin major or instr consent; credit will not be granted if credit already received for: Kin 4135)
 001 LEC, 09:05am-11:00am F, Armory 202, instruction mode: Classroom; Holst-Wolf, Jessica
 21120 002 LAB, 08:00am-08:50am M, . ROOM-TBA, instruction mode: Classroom; Class will be held in the MSTL lab, which is located in CookeH 20.; Koslucher, Frank C, 3 cr
 21451 003 LAB, 09:05am-09:55am M, . ROOM-TBA, instruction mode: Classroom; Class will be held in the MSTL lab, which is located in CookeH 20.; Koslucher, Frank C, 3 cr
 21452 004 LAB, 10:10am-11:00am M, . ROOM-TBA, instruction mode: Classroom; Class will be held in the MSTL lab, which is located in CookeH 20.; Koslucher, Frank C, 3 cr
 005 LEC, 09:05am-11:00am W, Armory 202, instruction mode: Classroom; Wade PhD, Michael G
 21454 006 LAB, 11:15am-12:05pm M, . ROOM-TBA, instruction mode: Classroom; Class will be held in the MSTL lab, which is located in CookeH 20.; Koslucher, Frank C, 3 cr
 21455 007 LAB, 12:20pm-01:10pm M, . ROOM-TBA, instruction mode: Classroom; Class will be held in the MSTL lab, which is located in CookeH 20.; Koslucher, Frank C, 3 cr

21456 008 LAB, 01:25pm-02:15pm M, . ROOM-TBA, instruction mode: Classroom; Class will be held in the MSTL lab, which is located in CookeH 20.; Koslucher, Frank C, 3 cr

3143 Organization and Administration of Sport

(A-F only; prereq Kin major or instr consent)
 11102 001 LEC, 09:05am-09:55am MWF, CookeH 215, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Vollum, Matt, 3 cr

3171 Baseball Coaching Theory and Skill Development

(A-F; prereq [Enrolled in coaching program or KIN major or instr consent], skills sufficient for participating in drills/game/match/contest for demonstration/teaching purposes)
 17754 001 LEC, 09:20am-11:00am TTh, CivE 213, 09/08/15-10/26/15, instruction mode: Classroom; Bateman, Keith Allen, 2 cr

3172 Basketball Coaching Theory and Skill Development

(A-F; prereq [Enrolled in coaching program or KIN major or instr consent], skills sufficient for participating in drills/game/match/contest for demonstration/teaching purposes)
 11229 1001 LEC, 07:25pm-09:05pm TTh, CookeH 206, 09/08/15-10/26/15, instruction mode: Classroom; Dewitt, David Francis, 2 cr

3179 Track and Field Coaching Theory and Skill Development

(A-F; prereq [Enrolled in coaching program or KIN major or instr consent], skills sufficient for participating in drills/game/match/contest for demonstration/teaching purposes)
 11223 001 LEC, 09:05am-09:55am MW, CookeH 214, instruction mode: Classroom; Mayer, Adam, 2 cr

3327 Teaching Physical Education in the Elementary School

(A-F only; prereq Elem ed major)
 18456 001 LEC, 01:25pm-03:20pm T, URRecCtr 320, instruction mode: Classroom; Vollum, Matt, 2 cr
 19648 002 LEC, 01:25pm-03:20pm W, URRecCtr 320, instruction mode: Classroom; Carroll, Carissa Leigh, 2 cr

3385 Human Physiology

(A-F only; prereq [[KIN 3027 or ANAT 3001 or ANAT 3601 or ANAT 3611], KIN major] or instr consent)
 001 LEC, 11:15am-12:30pm TTh, Armory 116, instruction mode: Classroom; Biltz MD, George R
 17699 002 LAB, 01:25pm-02:15pm T, MarA 141, instruction mode: Classroom; Kasak, Alexander Josef, 4 cr
 17700 003 LAB, 02:30pm-03:20pm T, MarA 141, instruction mode: Classroom; Kasak, Alexander Josef, 4 cr
 21340 004 LAB, 03:35pm-04:25pm T, MarA 141, instruction mode: Classroom; Kasak, Alexander Josef, 4 cr

3505 Intro to Human-Centered Design

(Credit will not be granted if credit has been received for: KIN 5505)
 14535 001 LEC, 09:05am-11:50am W, FolH 112, instruction mode: Classroom; Meets with: 14536 KIN 5505; Smith, Thomas J, 3 cr

3696 Supervised Practical Experience

(max crs 10; 10 repeats allowed; S-N; prereq instr consent)
 11268 001 FWK, instruction mode: Classroom; Stirling MA, Sue, 1-10 cr
 13360 002 FWK, instruction mode: Classroom; ITL students only; Vollum, Matt, 1-10 cr
 19460 004 FWK, instruction mode: Classroom; Ingraham PhD, Stacy Jean, 1-10 cr
 21459 006 FWK, instruction mode: Classroom; Stirling MA, Sue, 1-10 cr
 20522 009 FWK, instruction mode: Classroom; Richardson PhD, Tiffany, 1-10 cr
 20521 015 FWK, instruction mode: Classroom; Buyse PhD, Jo Ann, 1-10 cr

3982 Research Methods in Kinesiology

(A-F only; prereq Kin major or instr consent)
 24699 001 LEC, 01:00pm-02:15pm MW, CookeH 215, instruction mode: Classroom; Gao PhD, Zan, 3 cr
 24700 002 LEC, 01:00pm-02:15pm TTh, CookeH 214, instruction mode: Classroom; Lewis PhD, Beth Ann, 3 cr
 24701 003 LEC, 04:00pm-06:30pm T, Meche 102, instruction mode: Classroom; , 3 cr

3993 Directed Study in Kinesiology

(max crs 10; 10 repeats allowed; A-F; prereq instr consent)

26239 001 IND, instruction mode: Classroom; Barr-Anderson PhD, Daheia Julina, 1-10 cr
 15739 002 IND, instruction mode: Classroom; Kihl PhD, Lisa A, 1-10 cr
 19990 003 IND, instruction mode: Classroom; Biltz MD, George R, 1-10 cr
 14622 004 IND, instruction mode: Classroom; Dengel PhD, Donald Robert, 1-10 cr
 15525 005 IND, instruction mode: Classroom; Ingraham PhD, Stacy Jean, 1-10 cr
 22194 006 IND, instruction mode: Classroom; Ji PhD, Li Li, 1-10 cr
 11383 007 IND, instruction mode: Classroom; Kane PhD, Mary Jo, 1-10 cr
 17941 008 IND, instruction mode: Classroom; Konczak PhD, Juergen, 1-10 cr
 17196 009 IND, instruction mode: Classroom; Rodgerson PhD, Richard W, 1-10 cr
 11384 011 IND, instruction mode: Classroom; Leon MD, Arthur S, 1-10 cr
 13859 016 IND, instruction mode: Classroom; Smith, Thomas J, 1-10 cr
 23067 017 IND, instruction mode: Classroom; Snyder PhD, Eric Michael, 1-10 cr
 15086 019 IND, instruction mode: Classroom; Stoffregen PhD, Thomas, 1-10 cr
 21760 020 IND, instruction mode: Classroom; Vollum, Matt, 1-10 cr
 15526 021 IND, instruction mode: Classroom; Wade PhD, Michael G, 1-10 cr
 20222 023 IND, instruction mode: Classroom; Weiss PhD, Maureen, 1-10 cr
 11385 025 IND, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 1-10 cr
 17929 027 IND, instruction mode: Classroom; LaVoi PhD, Nicole Marie, 1-10 cr
 20523 031 IND, instruction mode: Classroom; Allison JD, Rayla Mathison, 1-10 cr
 19584 035 IND, instruction mode: Classroom; Buysse PhD, Jo Ann, 1-10 cr
 22048 037 IND, instruction mode: Classroom; Richardson PhD, Tiffany, 1-10 cr
 23071 045 IND, instruction mode: Classroom; Gao PhD, Zan, 1-10 cr
 26680 047 IND, instruction mode: Classroom; Inoue PhD, Yuhei, 1-10 cr
 34237 049 IND, instruction mode: Classroom; Thul PhD, Chelsey, 1-10 cr

3993H Directed Study in Kinesiology:

Honors

(max crs 10; 10 repeats allowed; A-F; prereq Kin honors, instr consent; meets HON req of Honors)

21909 003 IND, instruction mode: Classroom; Biltz MD, George R, 1-10 cr
 17197 004 IND, instruction mode: Classroom; Dengel PhD, Donald Robert, 1-10 cr
 21908 005 IND, instruction mode: Classroom; Ingraham PhD, Stacy Jean, 1-10 cr
 21906 008 IND, instruction mode: Classroom; Konczak PhD, Juergen, 1-10 cr
 21905 009 IND, instruction mode: Classroom; Rodgerson PhD, Richard W, 1-10 cr
 21904 011 IND, instruction mode: Classroom; Leon MD, Arthur S, 1-10 cr
 17198 019 IND, instruction mode: Classroom; Stoffregen PhD, Thomas, 1-10 cr
 21903 023 IND, instruction mode: Classroom; Weiss PhD, Maureen, 1-10 cr
 19535 025 IND, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 1-10 cr
 21902 027 IND, instruction mode: Classroom; LaVoi PhD, Nicole Marie, 1-10 cr
 34238 049 IND, instruction mode: Classroom; Thul PhD, Chelsey, 1-10 cr

4001H Honors Seminar in Kinesiology

(max crs 6; A-F only; prereq Kinesiology honors; meets HON req of Honors)

15727 001 LEC, instruction mode: Classroom; Class time and location will be arranged with instructor; Thul PhD, Chelsey, 3 cr

4133 Perceptual-Motor Control and Learning

(A-F only; prereq [3112, 3132, 3135, KIN major] or instr consent; credit will not be granted if credit already received for: Kin 3133)

10895 001 LEC, 09:45am-11:00am TTh, CookeH 214, instruction mode: Classroom; 5 seats reserved for Kin student; Stoffregen PhD, Thomas, 3 cr

4134 The Aging Motor System

(A-F; prereq [3132, 3135, Kin major] or instr consent)

34828 001 LEC, 01:00pm-02:15pm MW, AkerH 227, instruction mode: Classroom; Wade PhD, Michael G, 3 cr

4136 Embodied Cognition

(A-F; prereq 3132 or 3135 or instr consent)

23798 001 LEC, 01:00pm-02:15pm TTh, CookeH 215, instruction mode: Classroom; Rodgerson PhD, Richard W, 3 cr

4385 Exercise Physiology

(A-F only; prereq [[3385 or PHSL 3051, or equiv], kin major] or instr consent)

001 LEC, 01:25pm-02:15pm MW, MechE 18, instruction mode: Classroom; Dengel PhD, Donald Robert
 16140 002 LAB, 08:00am-09:50am M, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Ostrem, Joseph Dwayne, 4 cr
 16141 003 LAB, 10:00am-11:50am M, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Ostrem, Joseph Dwayne, 4 cr
 16142 004 LAB, 08:00am-09:50am W, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Ostrem, Joseph Dwayne, 4 cr
 16143 005 LAB, 10:00am-11:50am W, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Ostrem, Joseph Dwayne, 4 cr
 21376 006 LAB, 08:00am-09:50am F, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Ostrem, Joseph Dwayne, 4 cr
 25266 007 LAB, 10:00am-11:50am F, MarA 141, instruction mode: Classroom; 5 seats reserved for Kin sr 2nd term; Ostrem, Joseph Dwayne, 4 cr

4441 Movement Neuroscience

(max crs 6; A-F; prereq 3135 or instr consent)

24268 001 LEC, 09:00am-11:30am F, AkerH 215, instruction mode: Classroom; Elangovan, Naveen, 3 cr

4641 Training Theory & Analytics I for Sport Performance

(A-F; prereq [KIN 4385 or exercise physiology course], [upper level undergrad or M.Ed. or grad student])

19124 001 LEC, 08:15am-09:30am TTh, CookeH 214, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Ingraham PhD, Stacy Jean, 3 cr
 21467 002 LEC, 08:15am-09:30am MW, CookeH 206, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Ingraham PhD, Stacy Jean; Rourk, Zachary Todd, 3 cr

4697 Student Coaching and Seminar

(S-N only; prereq [Coaching minor or certificate] student, GPA of at least 2.50)

18467 I001 FWK, 06:45pm-08:15pm W, CookeH 206, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Ingraham PhD, Stacy Jean, 3 cr

4941 Applied Sport Science

(OPN; prereq 4981 or instr consent)

19868 001 LEC, 10:10am-11:00am MWF, CookeH 215, instruction mode: Classroom; Rourk, Zachary Todd, 3 cr

4981 Understanding Kinesiology Research

(A-F; prereq Intro statistics recommended)

19229 001 LEC, 04:00pm-06:30pm M, CookeH 215, instruction mode: Classroom; 35 seats reserved for MEd or Grad student; Gao PhD, Zan, 3 cr

5001 Foundations of Human Factors/ Ergonomics

(Credit will not be granted if credit has been received for: HUMF 5001; A-F only)

11464 001 LEC, 02:30pm-05:00pm W, MechE 221, instruction mode: Classroom; Meets with: 15732 HUMF 5001; Smith, Thomas J, 3 cr

5104 Physical Activities for Persons with Disabilities

(A-F only)

19807 I001 LEC, 04:40pm-07:10pm T, CookeH 215, instruction mode: Classroom; Healy MA, Kathleen Dalton, 3 cr

5122 Applied Exercise Physiology

(A-F only; prereq 4385 or equiv or instr consent)

16765 I001 LEC, 06:00pm-08:30pm Th, CookeH 214, instruction mode: Classroom; Snyder PhD, Eric Michael, 3 cr

5136 Psychology of Coaching

17215 001 LEC, 11:15am-12:30pm TTh, CookeH 206, instruction mode: Classroom; 10 seats reserved for MEd or Grad student; LaVoi PhD, Nicole Marie, 3 cr

5141 Nutrition and Exercise for Health Promotion and Disease Prevention

(A-F; prereq FScN 1112 or equiv)

10896 001 LEC, 02:30pm-03:45pm TTh, CookeH 214, instruction mode: Classroom; Leon MD, Arthur S, 3 cr

5196 Practicum: Developmental/Adapted Physical Education

(max crs 4; 4 repeats allowed; S-N; prereq [5103 or 5104], instr consent)

14359 001 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Class meets first night only (Thursday, Sept 4, 7:00pm-8:50pm - location TBD). All other meeting times are arranged with instructor.; Braun MA, Jessica, 1-4 cr

5204 Methods in Health Education

(A-F; prereq Health licensure student or instr consent)

22410 I001 DIS, 05:00pm-08:00pm Th, CookeH 215, instruction mode: Classroom; 11 seats reserved for MEd Phys Ed student/INIT lic; Johnson, Bonnie Ruth Young, 3 cr

5205 Health Education Curriculum

(A-F; prereq Health licensure student or instr consent)

22409 001 IND, instruction mode: Correspondence; 11 seats reserved for MEd Phys Ed student/INIT lic; Johnson, Bonnie Ruth Young, 3 cr

5371 Sport and Society

(A-F only; prereq [3126W, grad student] or instr consent)

25533 I001 LEC, 05:00pm-07:30pm W, CookeH 215, instruction mode: Classroom; Kane PhD, Mary Jo, 3 cr

5505 Human-Centered Design - Principles and Applications

(Credit will not be granted if credit has been received for: KIN 3505)

14536 001 LEC, 09:05am-11:50am W, FolH 112, instruction mode: Classroom; Meets with: 14535 KIN 3505; Smith, Thomas J, 3 cr

5511 Sport and Gender

(Credit will not be granted if credit has been received for: REC 5511; A-F)

25530 001 LEC, 04:00pm-06:30pm T, CookeH 214, instruction mode: Classroom; Buysse PhD, Jo Ann, 3 cr

5585 Pediatric Physiology and Health: Concepts and Applications

(A-F; prereq 3385 or 4385; Students would not receive credit if taken as KIN 5720 under the same topic title.)

25463 001 LEC, 04:00pm-05:40pm Th, CivE 213, instruction mode: Classroom; Biltz MD, George R, 2 cr

5696 Practicum in Kinesiology

(max crs 6; 6 repeats allowed; S-N; prereq [Kin MEd or grad student], instr consent)

18146 001 FWK, instruction mode: Classroom; Allison JD, Rayla Mathison, 1-6 cr
 14542 002 FWK, instruction mode: Classroom; Kihl PhD, Lisa A, 1-6 cr
 17794 005 FWK, instruction mode: Classroom; Ingraham PhD, Stacy Jean, 1-6 cr
 26794 006 FWK, instruction mode: Classroom; Stirling MA, Sue, 1-6 cr
 15090 011 FWK, instruction mode: Classroom; Leon MD, Arthur S, 1-6 cr
 20832 012 FWK, instruction mode: Classroom; Ross PhD, Stephen, 1-6 cr
 19499 015 FWK, instruction mode: Classroom; Buysse PhD, Jo Ann, 1-6 cr

5720 Special Topics in Kinesiology

(max crs 12; 3 repeats allowed; prereq Kin upper div undergrad or grad student or instr consent)

22774 001 LEC, 09:45am-11:00am TTh, CookeH 206, instruction mode: Classroom; Topic prereq - KIN 3126W or MEd or grad student or instr consent; Weiss PhD, Maureen, 3 cr; A-F; Youth Physical Activity & Sedentary Behavior
 24250 I002 LEC, 04:40pm-07:10pm T, MarA 141, instruction mode: Classroom; 2-4 cr
 25307 I003 LEC, 04:40pm-05:55pm MW, CookeH 206, instruction mode: Classroom; Topic prereq - KIN 3385 or KIN 4385, or Organic Chemistry or instr consent; Ji PhD, Li Li, 3 cr; A-F; Cellular and Molecular Exercise Physiology
 5723 Psychology of Sport Injury (prereq Intro psych course)
 15143 001 LEC, 01:00pm-02:15pm TTh, CookeH 206, instruction mode: Classroom; 10 seats reserved for MEd or Grad student; Wiese-Bjornstal PhD, Diane M., 3 cr

5801 Legal Aspects of Sport and Recreation**(A-F only; prereq Kin or rec major)**

13245 001 LEC, 06:45pm-10:00pm T, FolH 32, instruction mode: Classroom; Additional time will be arranged with the instructor.; Allison JD, Rayla Mathison, 4 cr

5992 Readings in Kinesiology**(max crs 9; 9 repeats allowed; A-F only; prereq [KIN upper div undergrad or MEd or grad student], instr consent)**

23318 001 IND, instruction mode: Classroom; Barr-Anderson PhD, Daheia Julina, 1-9 cr
 15741 002 IND, instruction mode: Classroom; Kihl PhD, Lisa A, 1-9 cr
 26441 003 IND, instruction mode: Classroom; Biltz MD, George R, 1-9 cr
 14623 004 IND, instruction mode: Classroom; Dengel PhD, Donald Robert, 1-9 cr
 15523 005 IND, instruction mode: Classroom; Ingraham PhD, Stacy Jean, 1-9 cr
 22195 006 IND, instruction mode: Classroom; Ji PhD, Li Li, 1-9 cr
 11406 007 IND, instruction mode: Classroom; Kane PhD, Mary Jo, 1-9 cr
 17942 008 IND, instruction mode: Classroom; Konczak PhD, Juergen, 1-9 cr
 21191 009 IND, instruction mode: Classroom; Rodgerson PhD, Richard W, 1-9 cr
 11407 011 IND, instruction mode: Classroom; Leon MD, Arthur S, 1-9 cr
 13860 016 IND, instruction mode: Classroom; Smith, Thomas J, 1-9 cr
 23068 017 IND, instruction mode: Classroom; Snyder PhD, Eric Michael, 1-9 cr
 15091 019 IND, instruction mode: Classroom; Stoffregen PhD, Thomas, 1-9 cr
 15524 021 IND, instruction mode: Classroom; Wade PhD, Michael G, 1-9 cr
 19458 023 IND, instruction mode: Classroom; Weiss PhD, Maureen, 1-9 cr
 11408 025 IND, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 1-9 cr
 17930 027 IND, instruction mode: Classroom; LaVoi PhD, Nicole Marie, 1-9 cr
 19395 031 IND, instruction mode: Classroom; Allison JD, Rayla Mathison, 1-9 cr
 22112 035 IND, instruction mode: Classroom; Buysse PhD, Jo Ann, 1-9 cr
 23072 045 IND, instruction mode: Classroom; Gao PhD, Zan, 1-9 cr
 26681 047 IND, instruction mode: Classroom; Inoue PhD, Yuhei, 1-9 cr
 34239 049 IND, instruction mode: Classroom; Thul PhD, Chelsey, 1-9 cr

5995 Research Problems in Applied**Kinesiology****(max crs 6; 6 repeats allowed; A-F; prereq [Kin upper div undergrad or MEd or grad student], 15 cr of major coursework [including 4981 or 5981], instr consent)**

26241 001 IND, instruction mode: Classroom; Barr-Anderson PhD, Daheia Julina, 1-6 cr
 15743 002 IND, instruction mode: Classroom; Kihl PhD, Lisa A, 1-6 cr
 14624 004 IND, instruction mode: Classroom; Dengel PhD, Donald Robert, 1-6 cr
 15528 005 IND, instruction mode: Classroom; Ingraham PhD, Stacy Jean, 1-6 cr
 22196 006 IND, instruction mode: Classroom; Ji PhD, Li Li, 1-6 cr
 11399 007 IND, instruction mode: Classroom; Kane PhD, Mary Jo, 1-6 cr
 17943 008 IND, instruction mode: Classroom; Konczak PhD, Juergen, 1-6 cr
 17441 009 IND, instruction mode: Classroom; Rodgerson PhD, Richard W, 1-6 cr
 11400 011 IND, instruction mode: Classroom; Leon MD, Arthur S, 1-6 cr
 13861 016 IND, instruction mode: Classroom; Smith, Thomas J, 1-6 cr
 23069 017 IND, instruction mode: Classroom; Snyder PhD, Eric Michael, 1-6 cr
 15092 019 IND, instruction mode: Classroom; Stoffregen PhD, Thomas, 1-6 cr
 23248 020 IND, instruction mode: Classroom; Vollum, Matt, 1-6 cr
 15529 021 IND, instruction mode: Classroom; Wade PhD, Michael G, 1-6 cr
 20223 023 IND, instruction mode: Classroom; Weiss PhD, Maureen, 1-6 cr
 11401 025 IND, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 1-6 cr
 17931 027 IND, instruction mode: Classroom; LaVoi PhD, Nicole Marie, 1-6 cr

19396 031 IND, instruction mode: Classroom; Allison JD, Rayla Mathison, 1-6 cr
 19180 035 IND, instruction mode: Classroom; Buysse PhD, Jo Ann, 1-6 cr
 21820 043 IND, instruction mode: Classroom; Braun MA, Jessica, 1-6 cr
 23073 045 IND, instruction mode: Classroom; Gao PhD, Zan, 1-6 cr
 26682 047 IND, instruction mode: Classroom; Inoue PhD, Yuhei, 1-6 cr
 34240 049 IND, instruction mode: Classroom; Thul PhD, Chelsey, 1-6 cr
 26924 050 IND, instruction mode: Classroom; Turman PhD, James C, 1-6 cr

6596 Clinical Experience I: Physical Education**(S-N only; prereq 6151, 6521, 6522, initial licensure/ MEd phys ed student or instr consent)**

11314 001 FWK, 06:45pm-08:45pm M, CookeH 214, 09/01/15-11/16/15, instruction mode: Classroom; Vollum, Matt, 4 cr

8211 Seminar: Perception and Action**(A-F only; prereq grad student or instr consent)**

34273 001 LEC, 02:30pm-05:00pm Th, CivE 214, instruction mode: Classroom; Stoffregen PhD, Thomas, 3 cr

8333 FTE: Master's**(NGA; prereq Master's student, adviser and DGS consent)**

13984 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral**(NGA; prereq Doctoral student, adviser and DGS consent)**

14118 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits**(max crs 24; 4 repeats allowed; NGA; prereq Doctoral student who has not passed prelim oral; Dept consent required; No grade associated; 4 completions allowed; up to 24 combined cr.)**

14238 001 IND, instruction mode: Classroom, 1-6 cr

8696 Internship: Applied Sport Psychology**(max crs 6; S-N only; prereq 5126, 8126, Kin PhD student, instr consent)**

15734 001 FWK, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 3-6 cr

8777 Thesis Credits: Master's**(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))**

14321 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral**(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)**

13755 001 IND, instruction mode: Classroom, 1-24 cr

8980 Graduate Research Seminar in Kinesiology**(max crs 9; 9 repeats allowed; S-N; prereq KIN M.S. or Ph.D. or SMGT M.A. or instr consent)**

22785 001 LEC, 02:30pm-04:15pm M, CookeH 214, instruction mode: Classroom; Kihl PhD, Lisa A, 1 cr

8995 Research Problems in Kinesiology**(max crs 12; 12 repeats allowed; S-N; prereq Kin Ph.D. student or SMGT grad student or instr consent)**

26246 001 IND, instruction mode: Classroom; Barr-Anderson PhD, Daheia Julina, 1-12 cr
 15745 002 IND, instruction mode: Classroom; Kihl PhD, Lisa A, 1-12 cr
 21180 003 IND, instruction mode: Classroom; Biltz MD, George R, 1-12 cr
 14625 004 IND, instruction mode: Classroom; Dengel PhD, Donald Robert, 1-12 cr
 17437 005 IND, instruction mode: Classroom; Ingraham PhD, Stacy Jean, 1-12 cr
 22197 006 IND, instruction mode: Classroom; Ji PhD, Li Li, 1-12 cr
 11402 007 IND, instruction mode: Classroom; Kane PhD, Mary Jo, 1-12 cr
 17944 008 IND, instruction mode: Classroom; Konczak PhD, Juergen, 1-12 cr
 11403 011 IND, instruction mode: Classroom; Leon MD, Arthur S, 1-12 cr
 23070 017 IND, instruction mode: Classroom; Snyder PhD, Eric Michael, 1-12 cr
 15095 019 IND, instruction mode: Classroom; Stoffregen PhD, Thomas, 1-12 cr

11404 021 IND, instruction mode: Classroom; Wade PhD, Michael G, 1-12 cr
 18757 023 IND, instruction mode: Classroom; Weiss PhD, Maureen, 1-12 cr
 11405 025 IND, instruction mode: Classroom; Wiese-Bjornstal PhD, Diane M., 1-12 cr
 18563 027 IND, instruction mode: Classroom; LaVoi PhD, Nicole Marie, 1-12 cr
 22004 031 IND, instruction mode: Classroom; Allison JD, Rayla Mathison, 1-12 cr
 23074 045 IND, instruction mode: Classroom; Gao PhD, Zan, 1-12 cr
 26683 047 IND, instruction mode: Classroom; Inoue PhD, Yuhei, 1-12 cr

KOREAN (Kor)

220 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-6534, <http://all.umn.edu>

1011 Beginning Korean I**(Credit will not be granted if credit has been received for: KOR 4001)**

14594 001 LEC, 09:05am-09:55am MTWThF, FolH 32, instruction mode: Classroom; Meets with: 15766 KOR 4001; Johnson, Bryce L., 5 cr
 17200 002 LEC, 10:10am-11:00am MTWThF, Kolth 137, instruction mode: Classroom; Meets with: 16971 KOR 4001; Cho, Hangtae, 5 cr
 13492 003 LEC, 11:15am-12:05pm MTWThF, FolH 32, instruction mode: Classroom; Meets with: 15767 KOR 4001; Johnson, Bryce L., 5 cr
 23087 004 LEC, 12:20pm-01:10pm MTWThF, FolH 32, instruction mode: Classroom; Meets with: 23088 KOR 4001; Johnson, Bryce L., 5 cr
 25913 005 LEC, 01:25pm-02:15pm MTWThF, Kolth 138, instruction mode: Classroom; Meets with: 25995 KOR 4001; Johnson, Bryce L., 5 cr
 16837 050 LEC, 06:15pm-08:35pm MW, FolH 13, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 16838 KOR 4001; Johnson, Bryce L., 5 cr

3021 Intermediate Korean I**(Credit will not be granted if credit has been received for: KOR 4003; prereq 1012)**

15550 001 LEC, 01:25pm-02:15pm MTWThF, FolH 31, instruction mode: Classroom; Meets with: 17208 KOR 4003; Kim, Sugyung, 5 cr
 22364 002 LEC, 03:35pm-04:25pm MTWThF, FolH 123, instruction mode: Classroom; Meets with: 22365 KOR 4003; Kim, Sugyung, 5 cr
 22748 050 LEC, 06:15pm-08:35pm TTh, FolH 13, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 22793 KOR 4003; Kim, Sugyung, 5 cr

3031 Third Year Korean I**(Credit will not be granted if credit has been received for: KOR 4005; prereq 3022)**

14703 001 LEC, 03:35pm-05:30pm MW, FolH 104, instruction mode: Classroom; Meets with: 17674 KOR 4005; Cho, Hangtae, 4 cr

3290 Korean Language Teaching Tutorial**(max crs 2; S-N; prereq Grade of A in 3032)**

17948 001 FWK, instruction mode: Classroom; Department consent forms are available in 220 Folwell Hall. Meeting times arranged with instructor.; Cho, Hangtae, 1 cr

4001 Beginning Korean I**(Credit will not be granted if credit has been received for: KOR 1011; prereq Grad student)**

15766 001 LEC, 09:05am-09:55am MTWThF, FolH 32, instruction mode: Classroom; Meets with: 14594 KOR 1011; Johnson, Bryce L., 3 cr
 16971 002 LEC, 10:10am-11:00am MTWThF, Kolth 137, instruction mode: Classroom; Meets with: 17200 KOR 1011; Cho, Hangtae, 3 cr
 15767 003 LEC, 11:15am-12:05pm MTWThF, FolH 32, instruction mode: Classroom; Meets with: 13492 KOR 1011; Johnson, Bryce L., 3 cr
 23088 004 LEC, 12:20pm-01:10pm MTWThF, FolH 32, instruction mode: Classroom; Meets with: 23087 KOR 1011; Johnson, Bryce L., 3 cr
 25995 005 LEC, 01:25pm-02:15pm MTWThF, Kolth 138, instruction mode: Classroom; Meets with: 25913 KOR 1011; Johnson, Bryce L., 3 cr
 16838 050 LEC, 06:15pm-08:35pm MW, FolH 13, instruction mode: Classroom; Meets with: 16837 KOR 1011; Johnson, Bryce L., 3 cr

4003 Intermediate Korean I

(Credit will not be granted if credit has been received for: KOR 3021; prereq 4002, grad student)

17208 001 LEC, 01:25pm-02:15pm MTWThF, FolH 31, instruction mode: Classroom; Meets with: 15550 KOR 3021; Kim, Sugyung, 3 cr

22365 002 LEC, 03:35pm-04:25pm MTWThF, FolH 123, instruction mode: Classroom; Meets with: 22364 KOR 3021; Kim, Sugyung, 3 cr

22793 050 LEC, 06:15pm-08:35pm TTh, FolH 13, instruction mode: Classroom; Meets with: 22748 KOR 3021; Kim, Sugyung, 3 cr

4005 Third Year Korean I

(Credit will not be granted if credit has been received for: KOR 3031; prereq 4004, grad student)

17674 001 LEC, 03:35pm-05:30pm MW, FolH 104, instruction mode: Classroom; Meets with: 14703 KOR 3031; Cho, Hangtae, 3 cr

4041 Advanced Readings in Modern Korean I

(prereq 3032 or equiv or instr consent)

23653 001 DIS, 10:10am-12:05pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Cho, Hangtae, 4 cr

5211 Introductory Classical Chinese I

(Credit will not be granted if credit has been received for: CHN 5211, JPN 5211; prereq Two years of an East Asian language (Chinese, Japanese, Korean) or equivalent or instr consent)

25019 001 DIS, 12:20pm-01:10pm MWF, FolH 3, instruction mode: Classroom; Meets with: 25017 CHN 5211, 25018 JPN 5211; Rouzer, Paul F, 3 cr

5993 Directed Studies

(max crs 15; 3 repeats allowed; OPN; prereq instr consent, dept consent, college consent)

25049 001 IND, instruction mode: Classroom; Cho, Hangtae, 1-5 cr

LABORATORY MEDICINE AND PATHOLOGY (LaMP)

760 Mayo (MMC 609), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455

612/625-9171, <http://pathology.umn.edu>

7113 Surgical Pathology- Fairview University Medical Center

(max crs 6; HNV; prereq Registered 3rd and 4th year medical students)

13606 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7114 Surgical Pathology-Hennepin County Medical Center

(max crs 6; HNV; prereq Registered 3rd and 4th year medical students.)

13607 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7115 Surgical Pathology-Veterans Affairs Medical Center

(HNV; prereq Registered 3rd and 4th year medical students.)

16903 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 6 cr

7119 Forensic Pathology

(max crs 6; HNV; prereq Registered 3rd and 4th year medical students)

13608 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7141 Problems in Experimental Pathology

(max crs 15; HNV; prereq [3rd or 4th] yr medical student; before beginning project, contact Mary Ramey, D-142 Mayo, 612-625-5421)

14525 001 ROT, 08/06/15-01/28/16, instruction mode: Classroom, 1-15 cr

7145 Neuropathology: Fairview University Medical Center

(max crs 6; HNV; prereq Registered 3rd or 4th yr medical student)

17457 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7150 Anatomic Pathology

(max crs 6; HNV; prereq Registered 3rd and 4th yr medical students)

13609 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7152 Anatomic Pathology in a Hospital Setting-Veterans Affairs Medical Center

(max crs 6; HNV; prereq Registered [3rd or 4th yr medical student])

20152 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7153 Anatomic Pathology in a Hospital Setting-Regions Medical Center

(max crs 6; HNV; prereq Registered 3rd and 4th year medical students)

15842 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7154 Anatomic Pathology in a Hospital Setting-Abbott Northwestern Hospital

(max crs 15; HNV; prereq Registered 3rd and 4th year medical students considering the practice of pathology or laboratory medicine as a career. Noon meal and parking provided. Contact course director 6 weeks prior to starting.)

15343 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom, 1-15 cr

7158 Cardiac Pathology

(max crs 6; HNV; prereq Registered 3rd and 4th year medical students)

13610 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7181 Hematopathology

(max crs 6; HNV; prereq Registered 3rd and 4th yr medical students, prior approval of the course directors)

20154 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7184 Introduction to Transfusion Therapy

(max crs 6; HNV; prereq Registered 3rd and 4th year medical student)

13611 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7186 Laboratory Medicine in a Community Hospital

(max crs 6; HNV; prereq Only 4th year students should register for this elective.)

14979 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7187 Clinical Laboratory in Medical Practice

(max crs 6; HNV; prereq Registered 3rd and 4th year medical students who have completed one medicine or one RPAP rotation; students may audit with permission of the course director)

13806 001 LEC, 08:00am-12:00pm MTWThF, Room TBA, TCEASTBANK, 11/16/15-12/11/15, 10/17/15-12/23/15, 10/17/15-12/23/15, 10/17/15-12/23/15, 10/17/15-12/23/15, instruction mode: Classroom; Course Meets in 'Bell Conference Room', Mayo D175; Killeen, Anthony Alexander, 4-6 cr

7188 Pathology Externship: Clinical and Surgical-Methodist Hospital

(max crs 6; HNV; prereq Registered 3rd and 4th year medical students considering the practice of pathology or laboratory medicine as a career. Noon meals provided. Contact Dr. Manoles one month prior to start.)

13612 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7193 Pathology and Laboratory Medicine Externship: Central Mesabi Medical

(max crs 6; HNV; prereq Registered 3rd and 4th year medical students. Meals and housing provided. Contact Dr. Uncini one month prior to starting elective (to make arrangements).)

14980 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7195 Medical Informatics

(max crs 6; HNV; prereq Registered 3rd and 4th year medical students with computer experience for word

processing, spreadsheet calculations, bibliographic searching, etc. Contact Dr. Speedie one month prior to starting to arrange project, instr consent)

21126 001 ROT, instruction mode: Classroom, 3-6 cr

7210 Surgical Pathology for Post-M.D.s

(max crs 10; HNV; prereq Regis med fellow special)

13676 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 1-10 cr

7400 Pathology-Duluth

(max crs 6; HNV; prereq Registered 3rd or 4th yr medical student)

17416 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

LAND AND ATMOSPHERIC SCIENCE (LAAS)

439 Borlaug Hall, 1991 Upper Buford Circle, St Paul Campus, St Paul, MN, 55108
612/625-1244, <http://www.laas.umn.edu/>

5050 Integrated Topics in Land & Atmospheric Science

(A-F only)

21413 001 LEC, 11:45am-01:00pm MW, BorH 375, STPAUL, instruction mode: Classroom; to be arranged; Twine, Tracy E; Nater, Ed, 3 cr

5480 Special Topics in Land and Atmospheric Science

(max crs 6; 6 repeats allowed; prereq grad student or instr consent)

26501 002 LEC, 01:55pm-02:45pm MWF, . ROOM-TBA, STPAUL, instruction mode: Classroom; Snyder, Peter K, 1-4 cr

8128 Land and Atmospheric Science Seminar

(max crs 3; S-N only)

12347 001 LEC, 03:00pm-03:50pm W, BorH 335, STPAUL, instruction mode: Classroom; Allan, Deborah L; Millet, Dylan Baird, 1.50 cr

8195 Research Problems in Soils

(max crs 10; 10 repeats allowed; prereq [Grad major in soil sci or related field], instr consent)

12800 001 IND, 10:15am-11:30am TTh, MagrathLib 4, STPAUL, instruction mode: Independent/Directed Studies; Topic: Earth System Modeling
23309 002 IND, instruction mode: Independent/Directed Studies; Nater, Ed, 1-5 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14019 001 IND, instruction mode: Classroom; Rosen, Carl Jay, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14153 001 IND, instruction mode: Classroom; Rosen, Carl Jay, 1 cr

8550 Teaching Experience

(max crs 6; 6 repeats allowed; S-N only; prereq Grad major in soil sci or related field, instr consent)

12784 001 FWK, instruction mode: Classroom; Allan, Deborah L, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14268 001 IND, instruction mode: Classroom; Rosen, Carl Jay, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14349 001 IND, instruction mode: Classroom; Rosen, Carl Jay, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13783 001 IND, instruction mode: Classroom; Rosen, Carl Jay, 1-24 cr

LANDSCAPE ARCHITECTURE (LA)

144 Rapson Hall, 89 Church Street S E, East Bank Campus, Minneapolis, MN, 55455
612/625-6860, <http://landarch.design.umn.edu/>

1001 Sustainability by Design

(A-F; meets CLE req of Environment)

21940 001 LEC, 04:00pm-05:15pm TTh, STSS 530A, instruction mode: Classroom; Chevalier, Tony, 3 cr

1201 Learning from the Landscape

(A-F only; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

15122 001 LEC, 01:00pm-02:15pm MW, AndH 250, instruction mode: Classroom; 4 seats reserved for SEAM; Pitt, David George, 3 cr

1301 Introduction to Landscape

Architecture Drawing

(A-F only; meets CLE req of Arts/Humanities)

17249 001 LAB, 09:05am-11:00am MW, RapsonH 9, instruction mode: Classroom; 7 seats reserved for BED major; Agee, Bradley Steele, 3 cr

17250 002 LAB, 04:00pm-05:55pm TTh, RapsonH 9, instruction mode: Classroom; 7 seats reserved for BED major; Larson, John Alfred, 3 cr

27416 1003 LAB, 06:20pm-08:25pm TTh, RapsonH 9, instruction mode: Classroom; Larson, John Alfred, 3 cr

2301 Advanced Representation for Environmental Design

(prereq 1301)

19923 001 LAB, 04:00pm-05:15pm MW, RapsonH 9, instruction mode: Classroom; 15 seats reserved for BED major; Larson, John Alfred, 3 cr

3001 Understanding and Creating Landscape Space

(A-F only; prereq Landscape design and planning [major or minor] or instr consent)

1001 LEC, 06:00pm-07:00pm MW, . ROOM-TBA, instruction mode: Classroom; Class will meet in the 1st floor of the "Y building", 1425 University; Agee, Bradley Steele

12835 1002 DIS, 07:10pm-08:00pm MW, . ROOM-TBA, instruction mode: Classroom; Class will meet in the 1st floor of the "Y building", 1425 University; 20 seats reserved for BED major; Agee, Bradley Steele, 3 cr

12836 1003 DIS, 07:10pm-08:00pm MW, . ROOM-TBA, instruction mode: Classroom; Class will meet in the 1st floor of the "Y building", 1425 University; 20 seats reserved for BED major; Agee, Bradley Steele, 3 cr

3003 Case Studies in Sustainable Landscape Planning and Design

(Credit will not be granted if credit has been received for: LA 5003)

19940 1001 LAB, 06:00pm-08:30pm T, RapsonH 54, instruction mode: Classroom; 25 seats reserved for BED major; Meets with: 21960 LA 5003; deBritto, Vincent P, 3 cr

3413 Introduction to Landscape

Architectural History

(A-F only; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives)

001 LEC, instruction mode: Correspondence; Bierbrauer, Anna Marie

26186 002 DIS, instruction mode: Correspondence; Bierbrauer, Anna Marie, 3 cr

3571 Landscape Construction: Site Systems and Engineering

(A-F only; prereq BED major or BED minor or instr consent)

1001 LEC, 05:45pm-07:15pm TTh, RapsonH 45, instruction mode: Classroom; Gunderson, Robert James

15124 1002 DIS, 07:25pm-08:15pm TTh, RapsonH 58, instruction mode: Classroom; 25 seats reserved for BED major; Gunderson, Robert James, 3 cr

4001 Sustainable Landscape Design and Planning Practices

(Credit will not be granted if credit has been received for: LA 5001; prereq 1301, [2301 or ARCH 3301], 3001, 3002)

001 LEC, instruction mode: Classroom; Please note that this course will not have a separate lecture section. Class will meet in Rapson Hall 33 only.

20156 002 LAB, 03:35pm-06:35pm M, MechE 221, instruction mode: Classroom; 15 seats reserved for BED major; Meets with: 21959 LA 5001; Rolph, Sandra Gale, 3 cr

4096 Internship in Landscape Design and Planning

(S-N; prereq 1301, 2301, 2302, 3001, 3002, 3003)

19941 001 FWK, instruction mode: Classroom; Students wishing to register need to contact the CDEs Student Services Advisor and complete the appropriate paperwork to obtain a permission number.; Agee, Bradley Steele, 1 cr

4160H Thesis/Capstone Project

(max crs 4; A-F; meets HON req of Honors)

26358 001 IND, instruction mode: Independent/Directed Studies; Agee, Bradley Steele, 2 cr

4755 Infrastructure, Natural Systems, and Space of Inhabited Landscapes

(Credit will not be granted if credit has been received for: LA 5755; A-F only; credit will not be granted if credit already received for: LA 4712 or 5712; Jr or sr; Jr or sr; Jr or sr; meets CLE req of Technology and Society)

1001 LEC, 06:35pm-08:35pm W, RapsonH 43, instruction mode: Classroom; Meets with: 20772 LA 5755; Musacchio, Laura R

20820 1002 DIS, 05:45pm-06:35pm W, RapsonH 43, instruction mode: Classroom; 20 seats reserved for BED major; Meets with: 20821 LA 5755; Musacchio, Laura R, 3 cr

5001 Sustainable Landscape Design and Planning Practices

(Credit will not be granted if credit has been received for: LA 4001; prereq 5201, 5203)

21959 002 LAB, 03:35pm-06:35pm M, MechE 221, instruction mode: Classroom; Meets with: 20156 LA 4001; Rolph, Sandra Gale, 3 cr

5003 Case Studies in Sustainable Landscape Planning and Design

(Credit will not be granted if credit has been received for: LA 3003)

21960 1001 LAB, 06:00pm-08:30pm T, RapsonH 54, instruction mode: Classroom; Meets with: 19940 LA 3003; deBritto, Vincent P, 3 cr

5131 Geospatial Data Analysis and Design

(A-F; prereq Master of Landscape Architecture Student or instr consent)

001 LEC, 02:30pm-03:45pm T, RapsonH 33, instruction mode: Classroom; Geer, Samuel Lewis

25810 002 LAB, 02:30pm-03:20pm Th, RapsonH 33, instruction mode: Classroom; Geer, Samuel Lewis, 3 cr

5201 Making Landscape Spaces and Types

(A-F only; prereq B.E.D accelerated status or LA grad or instr consent)

12833 001 LAB, 02:30pm-05:30pm MWF, RapsonH 259, instruction mode: Classroom; Krinke, Rebecca Jean, 6 cr

27421 002 LAB, 02:30pm-05:30pm MWF, RapsonH 259, instruction mode: Classroom; Altheimer, Ross Benjamin, 6 cr

5202 Landscape Analysis Workshop

(S-N only)

13862 001 LEC, 08/29/15-09/02/15, instruction mode: Classroom; Mandatory Itasca Field Trip for 1st year MLA Students, including accelerated BEDs. Saturday August 29, 2015-Wednesday, September 2, 2015.; Koepke, John Albert; Pitt, David George, 1 cr

5376 Representation I

(Credit will not be granted if credit has been received for: ARCH 2301, LA 5301, LA 5371; max crs 8; A-F; prereq Master of Landscape Architecture (MLA) or Accelerated Bachelor of Environmental Design.)

24405 001 LAB, 09:00am-01:00pm Th, RapsonH 9, instruction mode: Classroom; Course meets in Rapson Hall room 9 from 9am-1pm; Vanagaite, Egle, 4 cr

5403 Directed Studies in Landscape Architecture Technology

(max crs 12; 12 repeats allowed; prereq instr consent)

13096 001 IND, instruction mode: Classroom, 1-6 cr
13097 002 IND, instruction mode: Classroom, 1-6 cr

13098 003 IND, instruction mode: Classroom, 1-6 cr

13099 004 IND, instruction mode: Classroom, 1-6 cr

13101 006 IND, instruction mode: Classroom; Pitt, David George, 1-6 cr

13103 008 IND, instruction mode: Classroom; Miller, Kristine Frances, 1-6 cr

15830 010 IND, instruction mode: Classroom; Musacchio, Laura R, 1-6 cr

5413 Introduction to Landscape

Architectural History

(A-F only; prereq One course in history at 1xxx or higher)

001 LEC, instruction mode: Correspondence; Bierbrauer, Anna Marie

26177 002 DIS, 11:15am-12:05pm M, . NORMREQD, OFFCAMPUS, instruction mode: Classroom; Christensen, Carrie Ann, 3 cr

5576 Ecological Restoration Project Planning and Management

(A-F; prereq [MLA student, senior B.E.D.] or senior or grad with one college course in ecology/one college course in plant science or botany or instr consent)

26175 001 DIS, 09:05am-12:05pm F, MechE 102, instruction mode: Classroom; Please contact Amanda Smoot at asmoot@umn.edu for a permission number.; Shaw, Daniel Byron, 3 cr

5755 Infrastructure, Natural Systems and the Space of Inhabited Landscapes

(Credit will not be granted if credit has been received for: LA 4755; A-F only; prereq Grad student; credit will not be granted if credit already received for: LA 4712, LA 5712)

1001 LEC, 06:35pm-08:35pm W, RapsonH 43, instruction mode: Classroom; Meets with: 19141 LA 4755; Musacchio, Laura R

20821 1002 DIS, 05:45pm-06:35pm W, RapsonH 43, instruction mode: Classroom; Meets with: 20820 LA 4755; Musacchio, Laura R, 3 cr

5771 Landscape Infrastructure and Systems I

(max crs 6; A-F; prereq Master of Landscape Architecture Student, [Accelerated Track B.E.D or instr consent])

26187 001 LAB, 02:30pm-04:25pm TTh, RapsonH 54, instruction mode: Classroom; Favour, Joseph Richard, 3 cr

8201 Designing Landscapes for Dwelling and Settlement

(A-F only; prereq 5203, 5571, grad LA major, concurrent enrollment 8202 or instr consent)

15818 001 LAB, 02:30pm-05:30pm MWF, RapsonH 261, instruction mode: Classroom; Tucker, Matthew J, 6 cr

27422 002 LAB, 02:30pm-05:30pm MWF, RapsonH 261, instruction mode: Classroom; Tucker, Matthew J, 6 cr

8206 Making Urban Landscape Space

(A-F; prereq MLA grad student)

20971 001 LAB, 02:30pm-05:30pm MWF, . ROOM-TBA, instruction mode: Classroom; This course meets in the Rapson 3rd floor studio.; deBritto, Vincent P, 6 cr

27423 002 LAB, 02:30pm-05:30pm MWF, RapsonH 43, instruction mode: Classroom; Golden, Yamuna Dasi, 6 cr

8301 Landscape Architecture: Research Issues and Methods

(A-F only; prereq 8201 or concurrent enrollment 8201, grad LA major or instr consent)

14626 001 LEC, 01:25pm-04:25pm Th, . NONSTD-TBA, instruction mode: Classroom; Musacchio, Laura R, 3 cr

8333 FTE: Masters

(NGA; prereq Master's student, adviser and DGS consent)

13985 001 IND, instruction mode: Classroom, 1 cr

8401 Directed Studies in Emerging Areas of Landscape Architecture

(max crs 12; 12 repeats allowed; prereq instr consent)

13051 001 IND F, Room TBA, instruction mode: Classroom; Design Duluth Research Collaborative. Meets Fridays 1:30pm-3pm. Location TBD.; Saloojee, Ozayr; deBritto, Vincent P, 1-6 cr

13052 002 IND, instruction mode: Classroom; Koepke, John Albert, 1-6 cr

13053 003 IND, instruction mode: Classroom; Krinke, Rebecca Jean, 1-6 cr

13054 004 IND, instruction mode: Classroom; Martin, Roger B, 1-6 cr

13055 005 IND, instruction mode: Classroom; Favour, Joseph Richard, 1-6 cr
 13056 006 IND, instruction mode: Classroom; Pitt, David George, 1-6 cr
 13057 007 IND, instruction mode: Classroom; Sykes, Robert D, 1-6 cr
 13058 008 IND, instruction mode: Classroom; Miller, Kristine Frances, 1-6 cr
 15078 009 IND, instruction mode: Classroom; Hewitt, Clinton N, 1-6 cr
 15833 010 IND, instruction mode: Classroom; Musacchio, Laura R, 1-6 cr

8402 Directed Studies in Landscape Architecture History and Theory

(max crs 12; 12 repeats allowed; prereq Grad LA major or instr consent)

13059 001 IND, instruction mode: Classroom; Galatowitsch, Susan M, 1-6 cr
 13060 002 IND, instruction mode: Classroom; Koepke, John Albert, 1-6 cr
 13061 003 IND, instruction mode: Classroom; Krinke, Rebecca Jean, 1-6 cr
 13062 004 IND, instruction mode: Classroom; Martin, Roger B, 1-6 cr
 13063 005 IND, 11:15am-12:05pm M, RapsonH 15, instruction mode: Classroom; 1 credit history course for accelerated BED students in the MLA. Meets with LA 5413 on Mondays from 11:15 to 12:05. Check LA 5413 course schedule for room location.; Christensen, Carrie Ann, 1-6 cr
 13064 006 IND, instruction mode: Classroom; Pitt, David George, 1-6 cr
 13065 007 IND, instruction mode: Classroom; Sykes, Robert D, 1-6 cr
 13066 008 IND, instruction mode: Classroom; Miller, Kristine Frances, 1-6 cr
 15079 009 IND, instruction mode: Classroom; Hewitt, Clinton N, 1-6 cr
 15834 010 IND, instruction mode: Classroom; Musacchio, Laura R, 1-6 cr

8404 Directed Studies in Landscape Architecture Design

(max crs 6; prereq Grad LA major or instr consent)

13075 001 IND, instruction mode: Classroom; Galatowitsch, Susan M, 1-6 cr
 13076 002 IND, instruction mode: Classroom; Koepke, John Albert, 1-6 cr
 13077 003 IND, instruction mode: Classroom; Krinke, Rebecca Jean, 1-6 cr
 13078 004 IND, instruction mode: Classroom; Martin, Roger B, 1-6 cr
 13079 005 IND, instruction mode: Classroom; 1-6 cr
 13080 006 IND, instruction mode: Classroom; Pitt, David George, 1-6 cr
 13081 007 IND, instruction mode: Classroom; Sykes, Robert D, 1-6 cr
 13082 008 IND, instruction mode: Classroom; Miller, Kristine Frances, 1-6 cr
 15081 009 IND, instruction mode: Classroom; Hewitt, Clinton N, 1-6 cr
 15836 010 IND, instruction mode: Classroom; Musacchio, Laura R, 1-6 cr

8405 Interdisciplinary Studies in Landscape Architecture

(max crs 12; 12 repeats allowed; A-F only; prereq Grad LA major or instr consent)

13122 001 IND, instruction mode: Classroom; Galatowitsch, Susan M, 1-6 cr
 13123 002 IND, instruction mode: Classroom; Koepke, John Albert, 1-6 cr
 13124 003 IND, instruction mode: Classroom; Krinke, Rebecca Jean, 1-6 cr
 13125 004 IND, instruction mode: Classroom; Martin, Roger B, 1-6 cr
 13126 005 IND, instruction mode: Classroom; Neckar, Lance M, 1-6 cr
 13127 006 IND, instruction mode: Classroom; Pitt, David George, 1-6 cr
 13128 007 IND, instruction mode: Classroom; Sykes, Robert D, 1-6 cr
 13129 008 IND, instruction mode: Classroom; Miller, Kristine Frances, 1-6 cr
 15082 009 IND, instruction mode: Classroom; Hewitt, Clinton N, 1-6 cr
 15837 010 IND, instruction mode: Classroom; Musacchio, Laura R, 1-6 cr

8554 Project Programming

(max crs 4; A-F; prereq 8203, [grad land arch major or instr consent])

11327 001 LEC, 12:20pm-02:15pm W, AmundH 162, instruction mode: Classroom; Class meets in Rapson Studio 245; deBritto, Vincent P, 2 cr

8773 Landscape Infrastructure and Systems III

(max crs 6; A-F; prereq Master of Landscape Architecture student or instr consent)

27424 001 LEC, 10:10am-12:05pm MW, RapsonH 56, instruction mode: Classroom, 3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))

14322 001 IND, instruction mode: Classroom, 1-18 cr

LATIN (Lat)

245 Nicholson Hall, 216 Pillsbury Drive S E, East Bank Campus, Minneapolis, MN, 55455
 612/625-5353, <http://cnes.cla.umn.edu>

1001 Beginning Latin I

(Credit will not be granted if credit has been received for: LAT 5001, LAT 1111H)

11694 001 LEC, 08:00am-08:50am MTWThF, NichH 145, instruction mode: Classroom; If you have taken Latin before, but not at the University of Minnesota, please contact Prof. Stephen Smith (smith504@umn.edu) to find out whether this is the right course for you.; 5 seats reserved for Freshman and FRFY for Freshman, 5 cr
 14478 002 LEC, 09:05am-09:55am MTWThF, NichH 125, instruction mode: Classroom; If you have taken Latin before, but not at the University of Minnesota, please contact Prof. Stephen Smith (smith504@umn.edu) to find out whether this is the right course for you.; 5 seats reserved for Freshman and FRFY for Freshman, 5 cr
 11696 003 LEC, 01:25pm-02:15pm MTWThF, PeikH 315, instruction mode: Classroom; If you have taken Latin before, but not at the University of Minnesota, please contact Prof. Stephen Smith (smith504@umn.edu) to find out whether this is the right course for you.; 5 seats reserved for Freshman and FRFY for Freshman, 5 cr

3003 Intermediate Latin Prose

(Credit will not be granted if credit has been received for: LAT 5003; prereq Grade of at least C- or S in 1002 or 5001 or instr consent; credit will not be granted if credit already received for: Lat 3113)

19137 001 LEC, 11:15am-12:05pm MTWTh, NichH 315, instruction mode: Classroom; If you have taken Latin before, but not at the University of Minnesota, please contact Prof. Stephen Smith (smith504@umn.edu) to find out whether this is the right course for you.; Meets with: 34222 LAT 5003, 4 cr
 19138 002 LEC, 02:30pm-03:20pm MTWTh, FolH 108, instruction mode: Classroom; If you have taken Latin before, but not at the University of Minnesota, please contact Prof. Stephen Smith (smith504@umn.edu) to find out whether this is the right course for you.; Meets with: 26809 LAT 5003; Smith, Stephen, 4 cr
 26896 707 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Sassenberg, Ellen D, 4 cr

3993 Directed Studies

(max crs 12; 12 repeats allowed; prereq instr consent and dept consent)

11894 001 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Smith, Stephen, 1-4 cr
 21240 002 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Olson, S. Douglas, 1-4 cr
 22991 003 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Cole, Spencer E, 1-4 cr
 22992 004 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Gallia, Andrew B, 1-4 cr
 22993 005 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Krevans, Nita, 1-4 cr
 22994 006 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Nappa, Christopher, 1-4 cr
 22995 007 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Sheets, George A, 1-4 cr
 22996 008 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Nicholson, Oliver, 1-4 cr

4951W Major Project

(prereq [Greek-Latin or Latin major], three 3xxx Latin courses, instr consent, dept consent; credit will not be

granted if credit already received for: Lat 3951W; meets CLE req of Writing Intensive)

18121 001 IND, instruction mode: Classroom, 4 cr
 22929 002 IND, instruction mode: Classroom, 4 cr

5003 Intermediate Latin Prose: Graduate Student Enrollment

(Credit will not be granted if credit has been received for: LAT 3003; prereq [Grade of at least [C- or S] in [1002 or 5001] or instr consent], grad student; credit will not be granted if credit already received for: 3113, 8120)

34222 001 LEC, 11:15am-12:05pm MTWTh, NichH 315, instruction mode: Classroom; Meets with: 19137 LAT 3003, 3 cr
 26809 002 LEC, 02:30pm-03:20pm MTWTh, FolH 108, instruction mode: Classroom; Meets with: 19138 LAT 3003; Smith, Stephen, 3 cr

5100 Advanced Reading

(max crs 18; 6 repeats allowed; prereq [3004 or equiv], at least two yrs of college level Latin. Must contact Classical/Near Eastern Studies department for permission to register.)

24066 001 LEC, 09:45am-11:00am MW, FolH 119, instruction mode: Classroom; City of Rome; Cole, Spencer E, 3 cr

5800 Sight Reading for Graduate Students

(max crs 6; 6 repeats allowed; S-N; prereq Enrolled in a grad program in Department of Classical/Near Eastern Studies)

18877 001 DIS, instruction mode: Classroom, 1 cr

5993 Directed Studies

(max crs 18; 18 repeats allowed; prereq instr consent, dept consent)

11895 001 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Smith, Stephen, 1-4 cr
 14563 002 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Olson, S. Douglas, 1-4 cr
 22997 003 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Cole, Spencer E, 1-4 cr
 22998 004 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Gallia, Andrew B, 1-4 cr
 22999 005 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Krevans, Nita, 1-4 cr
 23000 006 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Nappa, Christopher, 1-4 cr
 23001 007 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Sheets, George A, 1-4 cr
 23002 008 IND, instruction mode: Classroom; Contact department to enroll. Student/Faculty Contract required for enrollment.; Nicholson, Oliver, 1-4 cr

5994 Directed Research

(max crs 20; 20 repeats allowed; prereq Grad student or instr consent)

14671 001 IND, instruction mode: Classroom, 1-12 cr

5996 Directed Instruction

(max crs 20; 20 repeats allowed; prereq Grad student or instr consent)

18155 001 IND, instruction mode: Classroom, 1-12 cr

8100 Readings in Latin Prose

(max crs 18; 6 repeats allowed; prereq Advanced grad student)

25731 001 LEC, 02:30pm-05:00pm T, NichH 201, instruction mode: Classroom; Lactantius; Nicholson, Oliver, 3 cr

8910 Seminar

(max crs 30; 10 repeats allowed; prereq Grad student)

34235 001 LEC, 04:00pm-06:00pm Th, NichH 201, instruction mode: Classroom; Catullus; Nappa, Christopher, 3 cr

LATIN AMERICAN STUDIES (LAS)

214 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
 612/624-9007, <http://igs.cla.umn.edu>

3401W Early Latin America to 1825

(Credit will not be granted if credit has been received for: HIST 3401W; A-F only; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

001 LEC, 09:45am-11:00am TTh, BlegH 130, instruction mode: Classroom; Meets with: 23892 HIST 3401W; Chambers, Sarah C

24026 002 DIS, 12:20pm-01:10pm T, BlegH 205, instruction mode: Classroom; Meets with: 23893 HIST 3401W; , 4 cr
24027 003 DIS, 11:15am-12:05pm T, BlegH 105, instruction mode: Classroom; Meets with: 23894 HIST 3401W; , 4 cr

LEARNING AND ACADEMIC SKILLS (LASK)

340 Appleby Hall, 128 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-3323, <http://www.uccs.umn.edu/education/sass.htm>

1001 Mastering Skills for College Success

13478 001 LEC, 10:10am-11:00am MW, Peikh 375, instruction mode: Classroom; Wilson, Robert Joseph, 2 cr
13479 002 LEC, 11:15am-12:05pm MW, Peikh 375, instruction mode: Classroom; Quanbeck, Jo, 2 cr
13480 003 LEC, 03:35pm-04:25pm MW, ApH 303, instruction mode: Classroom; Sandige, Rita Rena, 2 cr
14487 004 LEC, 09:05am-09:55am TTh, RapsonH 15, instruction mode: Classroom; Allen, Thomas Dawson, 2 cr
13481 005 LEC, 11:15am-12:05pm TTh, WullH 220, instruction mode: Classroom; Cook, Opal Maria, 2 cr
13482 006 LEC, 12:20pm-02:15pm T, Elth N119, instruction mode: Classroom; Pulles, Sandra Moran, 2 cr
13483 007 LEC, 02:30pm-03:20pm TTh, WullH 220, instruction mode: Classroom; Allen, Thomas Dawson, 2 cr
20228 I008 LEC, 06:20pm-08:10pm W, BuH 125, instruction mode: Classroom; Pulles, Sandra Moran, 2 cr

1101 Academic Refresher

(S-N only; prereq instr consent)
15479 001 LEC, 09:05am-09:55am W, Peikh 375, 10/27/15-12/16/15, instruction mode: Classroom; Additional course meeting to be arranged. For information and permission numbers, call 612 624 3323; additional class meeting to be scheduled; , 1 cr

1102 Academic Success

(max crs 4; S-N; prereq instr consent ; preference given to students on academic probation or returning from academic suspension)
19393 001 LEC, instruction mode: Classroom; For information and permission numbers, call 612 624 3323; Cook, Opal Maria, 2 cr
19406 002 LEC, instruction mode: Classroom; Sandige, Rita Rena, 2 cr
19407 003 LEC, 09:05am-09:55am F, BuH 125, instruction mode: Classroom; Wilson, Robert Joseph, 2 cr

LIBERAL STUDIES (LS)

20 Ruttan Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 55108
612/626-8724, <http://www.cce.umn.edu/mls>

5100 Liberal Studies Seminar

(max crs 24; 24 repeats allowed; A-F only; prereq dept consent)
34674 001 LEC, instruction mode: Classroom; Philanthropy, Development, and Strategic Leadership: Securing and Sustaining Resources - Explore the variety of funding sources available to nonprofit organizations, and the strategies employed to acquire and sustain the necessary resources. Investigate and discuss the complexities and nuances of both earned and unearned income for nonprofits, the motives and perspectives of funders and donors, the role of communications strategies in support of fundraising, and the importance of leadership in acquiring resources to sustain and grow a successful organization. Develop both a broad understanding of resources as well as detailed strategies for supporting nonprofit organizations. Participants will interact with leaders from the foundation and nonprofit community during most class sessions, including from the State Arts Board, St. Paul Foundation, TPT, Jerome Foundation, Bush Foundation, etc.
34685 002 LEC, 06:00pm-09:00pm T, RuttanH B22, STPAUL, 09/08/15-12/15/15, 01:00pm-06:00pm S, RuttanH B22, STPAUL, 09/26/15-09/26/15, instruction mode: Classroom; Art and Politics - No artist or arts organization functions in a vacuum. They are surrounded by communities dealing with many social issues, and by governments that can help or harm their ability to create art and serve the public. In this class, we will explore how social movements have used the arts to create social

change, and how arts organizations can navigate in the political environments surrounding them.

34688 003 LEC, instruction mode: Classroom; Sustainability from 1970 to 2015 - Seminar will review the basic principles of "Sustainability" as they have evolved from the first "earth day" in 1970 to current proposals to deal with "climate change" as a threat to national security and perhaps our entire civilization. In the beginning, "sustainability" was not even a recognized term; rather, environmental education was used. Environmental Studies was just emerging as an interdisciplinary field, and environmental politics was not yet a recognized subset of political science. It is today. Warnings like Rachel Carson's "Silent Spring" (1962) went largely unheeded, but active attempts to suppress or derail key concepts were begun by mostly commercial interests vested in the old ways. For example, we started talking about "global warming" at the Humphrey Institute in 1982, but it took 30 years for this to gain any traction in Washington D.C. where our Congress is still populated by more "climate change deniers" than the general public. In class, we will discuss basic solutions such as a global carbon tax, or a fancier "Tobin Tax" and how they may solve many problems if discussed openly. Key concepts and principles of sustainability education reviewed include: the global energy system, energy futures, quality and ratios, trade-offs with technology and social engineering options, global warming and climate change, maximum "sustainable yields" for forests, fisheries and other biological resources, "Natural Capitalism" (still an excellent text for courses like this) and system services that are not monetized by current economics, even though related terms like "human capital" have become standard business textbook fare.

34701 004 LEC Th, Room TBA, 09/10/15-10/22/15, instruction mode: Classroom; The Creative Arts as a Focus for Technology, Work, and Values - Futurists tell us that the scientist will continue to be the tool maker so that we can be ever more efficient in controlling and manipulating our environment. Some form of farmer will meet the nutrition needs of the planet (perhaps several planets). Some form of military will keep order, and the administrator will be with us because "someone has to be responsible." Futurists often forget an important member of the team, the poet/artist who gives it all meaning and makes it all worthwhile.

34705 005 LEC, 09/08/15-10/26/15, instruction mode: Classroom; Dialogue as Method, Philosophy and Way of Life - Without the capacity to have and sustain respectful dialogue, populations are vulnerable to ideological and cultural warfare, intransigent polarities, propaganda, and raw power-politics. At a personal level, the capacity to show genuine interest in others (across differences) is essential to learning. In modern times, Martin Buber eminently promoted a deeper turn toward dialogical thought and practice as both critique and antidote to de-humanized ways of being in relationship with nature and one another. In this course we will explore historical precedents of remarkable dialogue, key texts from Buber and others, and seek to enter deep dialogue with one another. Our goal both to gain understanding, and, more importantly, to grow in our ability to enter into that dialogical space Buber calls the "I-Thou" relationship. Together, in the context of that experience, we will imagine and explore possibilities for the practice of deep dialogue in various professional and everyday contexts.; Marboe, John Charles, 1-4 cr

34709 006 LEC, 10/27/15-12/16/15, instruction mode: Classroom; Myths of the Modern World - Our language is rich in mythical allusions (e.g., "Achilles heel"); and mythic analysis has become increasingly important in doing cultural studies. This seminar will trace some of the myths underlying features of contemporary society, illustrating them with examples from literature, religion, philosophy, art, music, and film. Mythic themes to be explored will include good vs. evil, the hero, myths of origin and an ending, the state, the light of reason, truth in language, and the concept of self. Learning methods will be class discussion of assigned readings and viewings, a short essay, and written and oral presentations of research papers or special projects.; Daniel, Stephen Lewis, 1-4 cr

5950 Special Topics

(max crs 12; 3 repeats allowed; A-F only; prereq dept consent)
34726 001 LEC, 09:00am-03:00pm S, RuttanH B22, STPAUL, 09/19/15-09/19/15, instruction mode: Classroom; Building Community Through Poetry, Story, and Art - Within the context of this seminar, we will build a community from the shared reading, viewing, telling, writing, and creation of poetry, story and art. We will simultaneously consider the communities in which we belong, ultimately developing an action research project around community development through poetry, story, and art within one community. We will document our plan, process and outcome in order to further craft our

ability to integrate the arts into our places of work, family, neighborhoods, and worship., 1 cr

5993 Directed Studies

(max crs 15; 15 repeats allowed; prereq Grad student, dept consent)
34766 001 IND, instruction mode: Classroom, 1-4 cr

8001 Introduction to Interdisciplinary Inquiry

(A-F only; prereq MLS student, dept consent)
12830 001 DIS, instruction mode: Classroom; Required introductory seminar for admitted MLS students. Emphasizes what individual students need to know or be able to do to successfully complete his or her individually crafted interdisciplinary program, including critical thinking, clear writing, and interdisciplinary research.

8002 Final Project for Graduate Liberal Studies

(A-F only; prereq MLS; all MLS coursework must be completed by end of sem, dept consent)
12831 001 LEC, instruction mode: Classroom; Required final seminar for admitted students. Students synthesize and complete their final projects.; Johnson, Jack K, 3 cr

8101 Final Project Proposal Prep: Pulling the Pieces Together

(A-F; prereq Master of Liberal Studies Student and dept consent)
34733 001 LEC, instruction mode: Classroom; This course assists MLS students as they develop a functional Final Project Proposal and secure an adviser. In addition to a Draft Final Project Proposal and an adviser, students will have created a short Summary Statement that reflects the focus of their MLS Program. There is a pre-class assignment: A Self-Assessment Exercise that the Instructor requests each student complete. Meeting dates and times TBD, 1 cr

LINGUISTICS (Ling)

S205 Elliott Hall, 75 East River Road, East Bank Campus, Minneapolis, MN, 55455
612/624-3331, <http://www.iles.umn.edu>

1701 Language and Society

(meets CLE req of Diversity and Soc Justice US)
001 LEC, 09:05am-09:55am MWF, NichH 335, instruction mode: Classroom; Farrell, Anna Mary
14672 002 DIS, 09:05am-09:55am T, PillsH 110, instruction mode: Classroom; Abramson, Martha Grace, 4 cr

3001 Introduction to Linguistics

(Credit will not be granted if credit has been received for: LING 3001H, LING 5001; meets CLE req of Social Sciences)

001 LEC, 10:10am-11:00am MWF, RapsonH 31, instruction mode: Classroom; Marcotte, Jean-Philippe
12312 002 DIS, 10:10am-11:00am T, STSS 117, instruction mode: Classroom; Fortier, Anthoni Benjamin, 4 cr
19404 003 DIS, 10:10am-11:00am T, Elth N647, instruction mode: Classroom; , 4 cr
12313 004 DIS, 10:10am-11:00am Th, STSS 117, instruction mode: Classroom; Kang, Hye-Min, 4 cr
1050 LEC, 06:10pm-08:35pm T, ScottH 4, instruction mode: Classroom; Tilleson, Paul Alexander
18392 I051 DIS, 08:45pm-09:35pm T, FolH 123, instruction mode: Classroom; StGeorge, Joshua J, 4 cr
18466 I052 DIS, 08:45pm-09:35pm T, NichH 355, instruction mode: Classroom; , 4 cr

3051H Honors: Thesis

(A-F; prereq Linguistics honors candidate, instr consent; meets HON req of Honors)
13442 001 IND, instruction mode: Classroom; Soh, Hooi Ling, 3 cr
21881 002 IND, instruction mode: Classroom; Karvonen, Daniel, 3 cr
22105 003 IND, instruction mode: Classroom; Marcotte, Jean-Philippe, 3 cr
22106 004 IND, instruction mode: Classroom; Lubowicz, Anna, 3 cr
22107 005 IND, instruction mode: Classroom; Hunter, Tim, 3 cr
26484 006 IND, instruction mode: Classroom; Halpert, Claire Danielle, 3 cr

3052V Honors: Thesis

(A-F; prereq 3051; credit will not be granted if credit has already been received for LING 3052H; meets CLE req of Writing Intensive; meets HON req of Honors)

13443 001 IND, 01:25pm-04:25pm F, NichH 345, instruction mode: Classroom; Class meets concurrently with LING 4901W.; Meets with: 21737 LING 4901W; Reese, Brian Jon, 3 cr

3101W Languages of the World

(prereq 3001 or 3001H or 5001 or instr consent; meets CLE req of Writing Intensive)
12316 001 LEC, 04:00pm-05:15pm MW, NichH 145, instruction mode: Classroom; Marcotte, Jean-Philippe, 3 cr

4002 Linguistic Analysis

(prereq 3001 or 3001H or 5001 or instr consent)
17131 001 LEC, 01:00pm-02:15pm TTh, WullH 220, instruction mode: Classroom; Marcotte, Jean-Philippe, 3 cr

4201 Syntax I

(Credit will not be granted if credit has been received for: LING 5201; prereq 3001 or 3001H or 5001 or instr consent)
24086 001 LEC, 02:30pm-03:45pm TTh, PeikH 335, instruction mode: Classroom; Hunter, Tim, 3 cr

4202 Syntax II

(Credit will not be granted if credit has been received for: LING 5202; prereq 4201 or 5201)
21738 001 LEC, 11:15am-12:30pm TTh, CivE 213, instruction mode: Classroom; Halpert, Claire Danielle, 3 cr

4303 Phonology II

(Credit will not be granted if credit has been received for: LING 5303; prereq Ling 4302W)
21805 001 LEC, 01:00pm-02:15pm TTh, STSS 121, instruction mode: Classroom; Karvonen, Daniel, 3 cr

4901W Major Project Seminar

(S-N; prereq Ling major, [jr or sr]; meets CLE req of Writing Intensive)
21737 001 LEC, 01:25pm-04:25pm F, NichH 345, instruction mode: Classroom; Class meets concurrently with LING 3052V.; Meets with: 13443 LING 3052V; Reese, Brian Jon, 3 cr

5001 Introduction to Linguistics

(Credit will not be granted if credit has been received for: LING 3001, LING 3001H; prereq grad or instr consent)
001 LEC, 11:15am-12:30pm TTh, RapsonH 15, instruction mode: Classroom; Hunter, Tim
19247 002 DIS, 01:25pm-02:15pm F, FolH 119, instruction mode: Classroom; , 4 cr

5105 Field Methods in Linguistics I

(prereq [[4201 or 5201], [4302W or 5302]] or instr consent)
12315 001 FWK, 02:30pm-04:25pm TTh, PeikH 165, instruction mode: Classroom; Meets with: 19327 LING 8105; Halpert, Claire Danielle, 4 cr

5201 Syntactic Theory I

(Credit will not be granted if credit has been received for: LING 4201; prereq 3001 or 3001H or 5001 or instr consent)
25105 001 LEC, 02:30pm-03:45pm MW, RapsonH 13, instruction mode: Classroom; Soh, Hooi Ling, 3 cr

5205 Semantics

(prereq [4201 or 5201] or instr consent)
22613 001 LEC, 11:15am-12:30pm MW, Elth N647, instruction mode: Classroom; Reese, Brian Jon, 3 cr

5302 Phonological Theory I

(Credit will not be granted if credit has been received for: LING 4302W; prereq 3001 or 3001H or 5001 or instr consent)
25104 001 LEC, 11:15am-12:30pm MW, RapsonH 13, instruction mode: Classroom; Lubowicz, Anna, 3 cr

5461 Conversation Analysis

(Credit will not be granted if credit has been received for: COMM 5461; prereq 3001 or 3001H or 5001 or instr consent)
19712 001 LEC, 11:15am-12:30pm TTh, NichH 120, instruction mode: Classroom; Sztatowski, Polly Ellen, 3 cr

5900 Topics in Linguistics

(max crs 12; 3 repeats allowed)
21736 001 LEC, 01:00pm-02:15pm TTh, MechE 108, instruction mode: Classroom; Topic prereq - [Ling 3001 or 3001H or 5001] and Jpn 1012 or instr consent; Sztatowski, Polly Ellen, 1-4 cr
24061 002 LEC, 11:15am-12:30pm TTh, STSS 512A, instruction mode: Classroom; Topic prereq - [Ling 3001 or 3001H or 5001] or instr consent; Sheldon PhD, Amy, 1-4 cr

25860 003 LEC, 01:00pm-02:15pm MW, LindH 216, instruction mode: Classroom; Meets with: 25952 LING 8900; Kac, Michael B, 1-4 cr

5993 Directed Study

(max crs 10; 10 repeats allowed)
12413 001 IND, instruction mode: Classroom; Gundel, Jeanette K, 1-3 cr
15520 002 IND, instruction mode: Classroom; Soh, Hooi Ling, 1-3 cr
15977 003 IND, instruction mode: Classroom; Hunter, Tim, 1-3 cr
21183 004 IND, instruction mode: Classroom; Reese, Brian Jon, 1-3 cr
21243 005 IND, instruction mode: Classroom; Halpert, Claire Danielle, 1-3 cr
22104 006 IND, instruction mode: Classroom; Marcotte, Jean-Philippe, 1-3 cr
24262 007 IND, instruction mode: Classroom; Sztatowski, Polly Ellen, 1-3 cr
24263 008 IND, 03:35pm-06:05pm M, FolH 105, instruction mode: Classroom; Verbal and nonverbal communication through tea; Sztatowski, Polly Ellen, 1-3 cr
24741 009 IND, instruction mode: Classroom; Lubowicz, Anna, 1-3 cr

8105 Field Methods in Linguistics I

(max crs 8; prereq [5001, 5201, 5302, grad linguistics major] or instr consent)
19327 001 FWK, 02:30pm-04:25pm TTh, PeikH 165, instruction mode: Classroom; Meets with: 12315 LING 5105; Halpert, Claire Danielle, 4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
13986 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14119 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14239 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14323 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13756 001 IND, instruction mode: Classroom, 1-24 cr

8900 Seminar: Topics in Linguistics

(max crs 9; 3 repeats allowed; prereq instr consent)
25952 001 LEC, 01:00pm-02:15pm MW, LindH 216, instruction mode: Classroom; Meets with: 25860 LING 5900; Kac, Michael B, 3 cr

8920 Topics in Language and Cognition

(max crs 6; prereq 5001 or instr consent)
19290 001 DIS, 02:30pm-04:25pm T, CivE 214, instruction mode: Classroom; Gundel, Jeanette K, 3 cr

8991 Independent Study

(max crs 15; 15 repeats allowed; prereq instr consent)
12271 001 IND, instruction mode: Classroom; Gundel, Jeanette K, 1-4 cr
15974 002 IND, instruction mode: Classroom; Soh, Hooi Ling, 1-4 cr
15975 003 IND, instruction mode: Classroom; Reese, Brian Jon, 1-4 cr
23322 004 IND, instruction mode: Classroom; Halpert, Claire Danielle, 1-4 cr
24252 005 IND, instruction mode: Classroom; Hunter, Tim, 1-4 cr

LOGISTICS MANAGEMENT (LM)

3-150 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-5055, <http://www.csom.umn.edu>

8892 Readings in Logistics Management

(max crs 16; 16 repeats allowed; prereq Adviser consent or instr consent)
11289 001 IND, instruction mode: Classroom, 1-8 cr

8894 Graduate Research in Logistics Management

(max crs 16; 16 repeats allowed; prereq Adviser consent or instr consent)
11290 001 IND, instruction mode: Classroom, 1-8 cr

MANAGEMENT (Mgmt)

3-353 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-5232, <http://www.csom.umn.edu>

1001 Contemporary Management

(A-F; prereq Carlson School fr or soph)
20717 001 LEC, 11:15am-12:30pm MW, HMH 1-111, instruction mode: Classroom; Li, Min, 3 cr
18913 002 LEC, 01:00pm-02:15pm MW, HMH 1-111, instruction mode: Classroom; Li, Min, 3 cr
18914 003 LEC, 02:30pm-03:45pm MW, HMH 1-111, instruction mode: Classroom; Zhou, Le, 3 cr
18915 004 LEC, 09:45am-11:00am TTh, HMH 1-111, instruction mode: Classroom, 3 cr
18916 005 LEC, 09:45am-11:00am TTh, HMH 1-109, instruction mode: Classroom; Shah, Pri Pradhan, 3 cr
18917 006 LEC, 11:15am-12:30pm TTh, HMH 1-111, instruction mode: Classroom, 3 cr
20043 007 LEC, 11:15am-12:30pm TTh, HMH 1-109, instruction mode: Classroom; Shah, Pri Pradhan, 3 cr
18918 008 LEC, 08:15am-09:30am MW, HMH 1-111, instruction mode: Classroom; Zhou, Le, 3 cr
20680 009 LEC, 11:15am-12:30pm WF, HMH 1-109, instruction mode: Classroom; Zhou, Le, 3 cr

1001H Honors: Contemporary Management

(A-F; prereq [Fr or soph] honors; meets HON req of Honors)
18919 001 LEC, 02:30pm-03:45pm TTh, HMH 1-109, instruction mode: Classroom; Li, Min, 3 cr

1005 Corporate Responsibility and Ethics

(A-F; prereq Carlson School student; meets CLE req of Civic Life and Ethics)
23405 001 LEC, 09:45am-11:00am MW, HMH 1-111, instruction mode: Classroom, 3 cr
23406 002 LEC, 01:00pm-02:15pm MW, HMH 1-109, instruction mode: Classroom, 3 cr
23407 003 LEC, 01:00pm-02:15pm TTh, HMH 1-109, instruction mode: Classroom, 3 cr
25047 004 LEC, 02:30pm-03:45pm TTh, HMH 1-105, instruction mode: Classroom, 3 cr

3001 Fundamentals of Management

(A-F only)
12852 001 LEC, 11:15am-12:30pm MW, HMH 1-102, instruction mode: Classroom, 3 cr
12853 002 LEC, 01:00pm-02:15pm MW, HMH 1-106, instruction mode: Classroom, 3 cr
12854 003 LEC, 02:30pm-03:45pm TTh, HMH 1-103, instruction mode: Classroom, 3 cr
12855 004 LEC, 04:00pm-05:15pm TTh, HMH 1-106, instruction mode: Classroom, 3 cr

3004 Business Strategy

(Credit will not be granted if credit has been received for: MGMT 4004W; A-F; prereq CSOM, soph or jr)
19651 001 LEC, 08:15am-09:30am TTh, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 1 of SCO 3001, Fina 3001, Mktg 3001. To register, see BA 999 Immersion Core, Sec 1. This class will meet in Hanson Hall 1104, 3 cr
20403 002 LEC, 01:00pm-02:15pm TTh, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 2 of SCO 3001, Fina 3001, Mktg 3001. To register, see BA 999 Immersion Core, Sec 2. This class will meet in Hanson Hall 1104, 3 cr
23408 003 LEC, 01:00pm-02:15pm MW, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 3 of SCO 3001, Fina 3001, Mktg 3001. To register, see BA 999 Immersion Core, Sec 3. This class will meet in Hanson Hall 1104, 3 cr

3010 Introduction to Entrepreneurship

(A-F only)
16829 001 LEC, 09:55am-11:35am TTh, CarlSMgmt L-114, instruction mode: Classroom; Emphasis on design-focused entrepreneurship. Design Thinking & Lean Startup

methodologies will be used. Experiential learning, design-centric cases and interaction with successful designer/entrepreneurs will be included., 4 cr

- 16283 002 LEC, 10:10am-11:50am MW, HMH 1-103, instruction mode: Classroom, 4 cr
 19135 003 LEC, 12:20pm-02:00pm MW, HMH 1-103, instruction mode: Classroom, 4 cr
 20504 004 LEC, 12:20pm-02:00pm TTh, HMH 1-107, instruction mode: Classroom, 4 cr

3033W Business Communication

(Credit will not be granted if credit has been received for: IBUS 3033W; A-F only; prereq Fr composition, CSOM upper-div, at least 60 cr; credit will not be granted if credit already received for: BA 3033W or 3033V; meets CLE req of Writing Intensive)

- 18894 001 LEC, 08:15am-09:30am MW, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 18895 002 LEC, 09:45am-11:00am MW, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 18896 003 LEC, 11:15am-12:30pm TTh, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 18897 004 LEC, 01:00pm-02:15pm MW, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 18898 005 LEC, 11:15am-12:30pm MW, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 18899 006 LEC, 02:30pm-03:45pm MW, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 18900 007 LEC, 01:00pm-02:15pm TTh, CarlSMgmt 1-127, instruction mode: Classroom, 3 cr
 18901 008 LEC, 04:00pm-05:15pm MW, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 18902 009 LEC, 09:45am-11:00am TTh, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 19652 010 LEC, 01:00pm-02:15pm TTh, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 21259 011 LEC, 02:30pm-03:45pm TTh, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 18903 020 LEC, 05:45pm-08:15pm T, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr
 18904 021 LEC, 05:45pm-08:15pm M, CarlSMgmt 2-228, instruction mode: Classroom, 3 cr

3040 Understanding the International Environment of Firms: International Business

(A-F only; prereq 1001 or 1001H or 3001)

- 12992 001 LEC, 03:45pm-05:25pm TTh, CarlSMgmt 2-213, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

3603 Topics: Environmental Issues

(Credit will not be granted if credit has been received for: ESPM 3603; A-F; prereq [MATH 1142 or [MATH 1271, MATH 1272]], [APEC 1101 or ECON 1101 or 3261W])

- 17957 001 LEC, 03:00pm-04:15pm TTh, GrnH 110, STPAUL, instruction mode: Classroom; Meets with: 17264 ESPM 3603, 17265 ESPM 5603; Hill, Jason David; Howe, Jeffrey L, 3 cr

3604 Topics: Environmental Issues

(A-F)

- 17956 001 LEC, 04:00pm-05:15pm MW, BlegH 130, instruction mode: Classroom; Meets with: 17324 ESPM 3604, 17325 ESPM 5604; Smith, Tim, 3 cr

4002 Managerial Psychology

(A-F only)

- 12920 020 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-132, instruction mode: Classroom; Albert, Stuart, 4 cr

4008 Entrepreneurial Management

(A-F; prereq Concurrent registration is required (or allowed) in [3010 or IBUS 3010])

- 12919 001 LEC, 01:45pm-03:25pm MW, CarlSMgmt L-122, instruction mode: Classroom, 4 cr

4040 Negotiation Strategies

(A-F)

- 34616 001 LEC, 11:50am-01:30pm TTh, CarlSMgmt 1-132, instruction mode: Classroom; Duffy, Michelle Kathleen, 4 cr

4050 Management of Innovation and Change

(Credit will not be granted if credit has been received for: IBUS 4050; A-F only; prereq 1001, [3001 or 3010]; credit will not be granted if credit received for: 5050)

- 20889 001 LEC, 09:55am-11:35am MW, CarlSMgmt 1-132, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

4080W Applied Technology Entrepreneurship

(meets CLE req of Writing Intensive)

- 21483 001 LEC, 03:45pm-05:25pm MW, CarlSMgmt 2-219, instruction mode: Classroom, 4 cr

4100 Topics in Management

(max crs 8; A-F; prereq instr consent)

- 24443 001 LEC, 03:45pm-05:25pm T, CarlSMgmt 1-136, instruction mode: Classroom; Topic prereq - instr consent. Meets with MGMT 6100-1. Topic is: STARTUP: Customer Development & Testing; Meets with: 24442 MGMT 6100, 2-4 cr

4101 Independent Study in Strategic Management and Organization

(max crs 4; A-F only; prereq instr consent or dept consent)

- 17300 001 IND, instruction mode: Classroom, 1-4 cr

4170W New Business Feasibility and Planning

(A-F; prereq 3010; meets CLE req of Writing Intensive)

- 20505 001 LEC, 01:45pm-03:25pm TTh, CarlSMgmt 2-224, instruction mode: Classroom, 4 cr

4171W Entrepreneurship in Action I

(A-F; prereq 3010, [4008 or Concurrent registration is required (or allowed) in 4008], completed coursework in business core, CSOM upper division, approved application; meets CLE req of Writing Intensive)

- 19653 001 LEC, 03:45pm-05:25pm MW, CarlSMgmt 1-135, instruction mode: Classroom, 4 cr

4500 Senior Seminar in International Business

(A-F; prereq CSOM sr, completed semester abroad, IB major or minor)

- 22167 001 LEC, 05:45pm-09:05pm Th, CarlSMgmt 2-219, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

6004 Negotiation Strategies

(A-F; prereq MBA student)

- 17023 001 LEC, 03:45pm-05:25pm TTh, CarlSMgmt 1-135, 09/08/15-10/26/15, instruction mode: Classroom; 46 seats reserved for MBA day student, 2 cr
 24172 070 LEC, 09/08/15-10/26/15, instruction mode: Correspondence; This course is on-line. For class permission numbers or wait list questions, email the MBA Programs Office at mbasa@umn.edu; 35 seats reserved for PTMBA student; Benraouane, Sid Ahmed, 2 cr
 17050 090 LEC, 05:45pm-09:05pm T, CarlSMgmt 1-142, 10/27/15-12/16/15, instruction mode: Classroom; 48 seats reserved for PTMBA student; Benson, Alan, 2 cr

6031 Industry Analysis and Competitive Strategy

(A-F; prereq MBA 6300, MBA student)

- 31368 001 LEC, 01:45pm-03:25pm TTh, CarlSMgmt L-114, instruction mode: Classroom; 63 seats reserved for MBA day student, 4 cr
 14393 090 LEC, 05:45pm-09:05pm Th, HMH 1-103, instruction mode: Classroom; 65 seats reserved for PTMBA student, 4 cr

6032 Strategic Alliances

(A-F; prereq MBA student)

- 19867 060 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-135, 09/08/15-10/26/15, instruction mode: Classroom; 40 seats reserved for PTMBA student; 8 seats reserved for MBA day student, 2 cr

6033 Managing the Strategy Process

(A-F; prereq MBA student)

- 17026 090 LEC, 12:30pm-03:50pm S, HMH 1-103, 09/08/15-10/26/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 2 cr

6034 Strategic Leadership

(A-F only; prereq 6033, MBA student)

- 20683 060 LEC, 05:45pm-09:05pm M, CarlSMgmt L-114, 09/08/15-10/26/15, instruction mode: Classroom; 58 seats reserved for PTMBA student; 5 seats reserved for MBA day student, 2 cr

6040 International Strategy and Organization

(A-F; prereq MBA student)

- 25855 090 LEC, 05:45pm-09:05pm T, CarlSMgmt 1-142, 09/08/15-10/26/15, instruction mode: Classroom; 48 seats reserved for PTMBA student, 2 cr

6050 Management of Innovation and Change

(A-F; prereq MBA student)

- 25051 070 LEC, 10/27/15-12/16/15, instruction mode:

Correspondence, 2 cr

- 20482 090 LEC, 05:45pm-09:05pm W, HMH 1-105, 10/27/15-12/16/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 2 cr

6084 Management of Teams

(Credit will not be granted if credit has been received for: HRIR 6484; A-F; prereq MBA student)

- 15110 060 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-143, 10/27/15-12/16/15, instruction mode: Classroom; 43 seats reserved for PTMBA student; 5 seats reserved for MBA day student; Madzar, Sveltana, 2 cr
 17028 070 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; This course is on-line. For class permission numbers or wait list questions, email the MBA Programs Office at mbasa@umn.edu. This course is cross-listed with HRIR 6484; 12 seats reserved for PTMBA student; 12 seats reserved for HRIR MA student, 2 cr

6085 Corporate Strategy

(A-F; prereq MBA student)

- 20587 001 LEC, 01:45pm-03:25pm MW, CarlSMgmt L-114, instruction mode: Classroom; 63 seats reserved for MBA day student, 4 cr
 26261 090 LEC, 05:45pm-09:05pm T, CarlSMgmt 1-143, instruction mode: Classroom; 48 seats reserved for PTMBA student, 4 cr

6100 Topics in Management

(max crs 8; A-F only; prereq CSOM grad student or instr consent)

- 24442 001 LEC, 03:45pm-05:25pm T, CarlSMgmt 1-136, instruction mode: Classroom; Topic prereq - instr consent. Meets with MGMT 4100-1; Meets with: 24443 MGMT 4100, 2-4 cr

6101 Independent Study in Strategic Management and Organization

(max crs 16; A-F only; prereq instr consent or dept consent)

- 17299 060 IND, instruction mode: Classroom; 5 seats reserved for MBA day student, 1-8 cr

6305 The International Environment of Business

(A-F; prereq MBA student)

- 21260 090 LEC, 08:00am-11:20am S, CarlSMgmt 2-213, instruction mode: Classroom; 48 seats reserved for PTMBA student, 4 cr

6402 Integrative Leadership: From Theory to Practice

(Credit will not be granted if credit has been received for: PA 5105, OLPD 6402; A-F; prereq MBA student)

- 24313 060 LEC, 06:00pm-08:45pm T, CarlSMgmt L-114, instruction mode: Classroom; This course is run concurrently with registration in this designator and PA5101, OLPD 6402 and PubH 6702. If this course shows as full, please check for space under the other three designators as there may be seats available. If all designators show as full, please contact Merrie Benasutti at 612-624-8300 for a permission number. This will have permission numbers for all four designators. All designators must be filled before any override permission numbers are issued.; 5 seats reserved for PTMBA student; 3 seats reserved for MBA day student; Meets with: 26760 LAW 6623, 24136 OLPD 6402, 23883 PA 5105, 24175 PUBH 6702; Laird, Vanessa Ann; Quast, Louis Neumann, 3 cr

6410 Corporate Responsibility

(A-F; prereq MBA 6300, CSOM grad student)

- 24427 060 LEC, 05:45pm-09:05pm Th, CarlSMgmt 1-142, 09/08/15-10/26/15, instruction mode: Classroom; 40 seats reserved for PTMBA student; 6 seats reserved for MBA day student, 2 cr

8301 Seminar in Organizational Behavior

(prereq Business admin PhD student or instr consent)

- 31369 001 LEC, instruction mode: Classroom, 4 cr

8302 Seminar in Organizations Theory

(prereq Business admin PhD student or instr consent)

- 31370 001 LEC, instruction mode: Classroom, 4 cr

8401 Seminar in Strategy Content

(prereq Business admin PhD student or instr consent)

- 31371 001 LEC, instruction mode: Classroom, 4 cr

8892 Readings in Management Theory and Administration

(max crs 16; 16 repeats allowed; prereq Business admin PhD student or instr consent, adviser consent)

- 14377 001 IND, instruction mode: Classroom, 1-8 cr

8894 Graduate Research in Management Theory and Administration
(max crs 16; 16 repeats allowed; prereq Business admin PhD student or instr consent, adviser consent)
14378 001 IND, instruction mode: Classroom, 1-8 cr

MANAGEMENT OF TECHNOLOGY (MOT)

290 McNamara Center, 200 Oak St SE, East Bank Campus, Minneapolis, MN, 55455
612/624-5747, <http://www.tli.umn.edu>

4001 Leadership, Professionalism and Business Basics for Engineers (A-F)

21755 002 LEC, 02:00pm-03:55pm M, STSS 432B, instruction mode: Classroom; Requesting Keller 2-260. This room is ideal for this class.; Froggatt, Kirk, 2 cr

5001 Technological Business Fundamentals

(A-F; prereq Degree seeking or non-degree graduate students)

26435 001 LEC, 03:00pm-05:00pm W, . NONSTD-TBA, instruction mode: Classroom; Professor has requested room KHKH 2-260; Webster, Steve, 2 cr

5003 Technological Business Planning Workshop

(max crs 2; A-F; prereq Degree seeking or non-degree graduate students. Student must also enroll for MOT 5001 or MOT 5002.)

34264 I001 LEC, 05:30pm-06:30pm W, STSS 119, instruction mode: Classroom; Professor has requested room KHKH 2-260; Students must also enroll in MOT 5001, class number 26435.; Webster, Steve, 1 cr

8112 Management Accounting

(max crs 2; A-F only; prereq Grad MOT major)
14546 001 LEC, 08:00am-12:00pm F, McNamara Ct 235, instruction mode: Classroom; Class meets at 235 McNamara Alumni Center on the East Bank, in Departmental space.; Callendo, Charles Michael, 1.50 cr

8114 Strategic Technology Analysis (A-F; prereq Grad MOT major)

14545 001 LEC, instruction mode: Classroom; Class meets at 235 McNamara Alumni Center on the East Bank, in Departmental space.; Carlson, Lockwood, 2 cr

8121 Managing Organizations in a Technological Environment

(A-F only; prereq Grad MOT major)
17352 001 LEC, instruction mode: Classroom; Class meets at 235 McNamara Alumni Center on the East Bank, in Departmental space.; Soni, Tarun, 2 cr

8133 Communication in a Technical Environment

(A-F only; prereq Grad MOT major)
14547 001 LEC, instruction mode: Classroom; Class meets at 235 McNamara Alumni Center on the East Bank, in Departmental space.; Wilbers, Stephen, 2 cr

8212 Developing New Technology Products

(A-F only; prereq Grad MOT major)
17364 001 LEC, instruction mode: Classroom; Class meets at departmental space - Rm 235 McNamara Alumni Center.; Carlson, Lockwood, 2 cr

8221 Project and Knowledge Management (max crs 2; A-F only; prereq Grad MOT major)

25538 001 LEC, instruction mode: Classroom; Class meets at departmental space - Rm 235 McNamara Alumni Center.; Smith, Karl Aldrich, 1.50 cr

8224 Pivotal Technologies

(A-F only; prereq MOT grad major)
14543 001 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Class meets off campus at Oak Ridge Conf Ctr, in Chaska MN.; Amin, Massoud, 2 cr

8233 Strategic Management of Technology (A-F only; prereq Grad MOT major)

16850 001 LEC, instruction mode: Classroom; Class meets at departmental space - Rm 235 McNamara Alumni Center.; Marcus, Alfred A, 2 cr

8234 Capstone Project

(max crs 2; A-F only; prereq Completion of two semesters, grad MOT major)
21420 001 LEC, instruction mode: Classroom; Class meets at departmental space - Rm 235 McNamara Alumni Center.; Polla, Dennis L, 0.50-2 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13993 001 IND, instruction mode: Classroom, 1 cr

8500 Innovation Leadership and Organizational Effectiveness

(max crs 2; 4 repeats allowed; A-F; prereq MOT major)
26152 001 LEC, instruction mode: Classroom; Class meets in departmental space. 235 McNamara Alumni Center. Topic title #1: Leading Innovation in the New Normal.; Froggatt, Kirk, 0.50-2 cr

8900 Conflict Management

(prereq Grad MOT major)
13308 001 LEC, 09/08/15-10/26/15, instruction mode: Classroom; class meets off campus at the Oak Ridge Conference Center in Chaska, MN.; Fiutak, Thomas Richard, 0.50 cr

8910 Corporate Responsibility

(A-F only; prereq Grad MOT major)
17738 001 LEC, instruction mode: Classroom; Class meets at departmental space - Rm 235 McNamara Alumni Center.; Marcus, Alfred A, 1 cr

8920 Science and Technology Policy

(A-F only; prereq MOT grad student)
14544 001 LEC, 08:00am-12:00pm F, McNamara Ct 235, instruction mode: Classroom; Class meets at departmental space - Rm 235 McNamara Alumni Center.; Polla, Dennis L, 1.50 cr

MANAGERIAL COMMUNICATIONS (MCom)

4-300 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/625-0027, <http://www.csom.umn.edu>

5400 Managerial Communications for the HR Professional

(A-F; prereq HRIR student)
20071 060 LEC, 08:00am-03:00pm S, CarlSMgmt 1-143, 09/19/15-09/26/15, 08:00am-03:00pm S, CarlSMgmt 1-143, 10/03/15-10/10/15, instruction mode: Classroom, 2 cr

5500 Enhancing Your Executive Image in Business Communications

(max crs 4; A-F; prereq MBA student)
25046 I060 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-127, 09/08/15-10/26/15, instruction mode: Classroom; 25 seats reserved for PTMBA student; 5 seats reserved for MBA day student, 2 cr

MANUFACTURING OPERATIONS MANAGEMENT (MM)

20 Ruttan Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 55108
612/624-4000, <http://www.cce.umn.edu/BAS-Manufacturing-Operations-Management>

3205 Engineering for Manufacturing Operations

(A-F only; prereq 30 cr)
23898 I001 LEC, 06:00pm-08:45pm M, KHKH 3-125, 09/14/15-12/14/15, instruction mode: Partially Online; Seven of the classes will be delivered online. FINAL EXAM December 14.; Schiveley, Steve, 3 cr

4201 Quality Engineering and Process Improvement

(A-F only; prereq Statistics, 45 cr; credit will not be granted if credit already received for: MT 4201)
22488 I001 LEC, 06:00pm-08:45pm W, KHKH 3-125, 09/09/15-12/16/15, instruction mode: Partially Online; Nied, Paul Joseph, 3 cr

4596 Internship

(max crs 12; 3 repeats allowed; A-F only; prereq [MM major or minor or certificate or instr consent], dept consent)
24149 001 IND, instruction mode: Independent/Directed Studies; Please confer with your academic adviser about registering for the MM Internship. Download the Agreement form: <http://cce.umn.edu/documents/DCP/BAS-MM-Internship-Agreement.doc>; 1-4 cr
26428 002 IND, instruction mode: Independent/Directed Studies; Please confer with your academic adviser about registering for the MM Internship. Download the Agreement form: <http://cce.umn.edu/documents/DCP/BAS-MM-Internship-Agreement.doc>; 1-4 cr
26430 003 IND, instruction mode: Independent/Directed Studies; Please confer with your academic adviser about registering for the MM Internship. Download the Agreement form: <http://cce.umn.edu/documents/DCP/BAS-MM-Internship-Agreement.doc>; 1-4 cr

MARKETING (Mktg)

3-150 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-5055, <http://www.csom.umn.edu>

3001 Principles of Marketing

(A-F only; prereq ECON 1101)
16874 001 LEC, 09:45am-11:00am MW, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 1 of Mgmt 3004, SCO 3001, Fina 3001. To register, see BA 999 Immersion Core, Sec 1. This class will meet in Hanson Hall 1102; Lipe, Jay, 3 cr
12850 002 LEC, 02:30pm-03:45pm MW, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 2 of Mgmt 3004, SCO 3001, Fina 3001. To register, see BA 999 Immersion Core, Sec 2. This class will meet in Hanson Hall 1102; Lipe, Jay, 3 cr
12851 003 LEC, 02:30pm-03:45pm TTh, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 3 of Mgmt 3004, SCO 3001, Fina 3001. To register, see BA 999 Immersion Core, Sec 3. This class will meet in Hanson Hall 1102, 3 cr
23413 004 LEC, 02:30pm-03:45pm MW, HMH 1-105, instruction mode: Classroom, 3 cr
20484 005 LEC, 04:00pm-05:15pm MW, CarlSMgmt L-110, instruction mode: Classroom, 3 cr
13857 I020 LEC, 05:45pm-08:15pm M, HMH 1-102, instruction mode: Classroom, 3 cr

3010 Marketing Research

(A-F only; prereq 3001, [SCO 2550 or equiv statistics course])
12961 001 LEC, 09:55am-11:35am MW, CarlSMgmt 1-142, instruction mode: Classroom; Xu, Linli, 4 cr
13309 002 LEC, 01:45pm-03:25pm MW, CarlSMgmt 1-142, instruction mode: Classroom; Xu, Linli, 4 cr
18911 003 LEC, 11:50am-01:30pm TTh, CarlSMgmt 1-142, instruction mode: Classroom; Van Etten, Julia A., 4 cr
19654 004 LEC, 03:45pm-05:25pm TTh, CarlSMgmt 1-142, instruction mode: Classroom; Van Etten, Julia A., 4 cr
24348 005 LEC, 03:45pm-05:25pm MW, CarlSMgmt 1-142, instruction mode: Classroom; Xu, Linli, 4 cr

3040 Buyer Behavior

(A-F only; prereq 3001, [3010 or Concurrent registration is required (or allowed) in 3010]; credit will not be granted if credit already received for: Mktg 4040)
12963 001 LEC, 09:55am-11:35am TTh, CarlSMgmt 2-215, instruction mode: Classroom, 4 cr
12964 002 LEC, 01:45pm-03:25pm TTh, CarlSMgmt 2-215, instruction mode: Classroom; Loken, Barbara, 4 cr
19655 003 LEC, 11:50am-01:30pm MW, CarlSMgmt 2-215, instruction mode: Classroom; Loken, Barbara, 4 cr

4030 Sales Management

(A-F only; prereq 3001, 3010, 3040)
12962 001 LEC, 11:50am-01:30pm MW, CarlSMgmt 1-143, instruction mode: Classroom; Mueller, Wayne G, 4 cr
22169 002 LEC, 01:45pm-03:25pm MW, CarlSMgmt 1-143, instruction mode: Classroom; Mueller, Wayne G, 4 cr

4050 Integrated Marketing Communications

(A-F only; prereq 3001, 3010, 3040)
19656 001 LEC, 09:55am-11:35am MW, CarlSMgmt L-126, instruction mode: Classroom; Ahluwalia, Rohini, 4 cr
22689 002 LEC, 01:45pm-03:25pm MW, CarlSMgmt 1-135, instruction mode: Classroom; Ahluwalia, Rohini, 4 cr

4060 Marketing Channels

(A-F only; prereq 3001, 3010, 3040)

19657 001 LEC, 11:50am-01:30pm TTh, CarlSMgmt 1-135, instruction mode: Classroom; Lipe, Jay, 4 cr

4080W Marketing Strategy**(A-F only; prereq 3001, 3010, 3040, 12 cr in marketing, sr; meets CLE req of Writing Intensive)**

12965 001 DIS, 08:00am-09:40am MW, CarlSMgmt 2-219, instruction mode: Classroom; Redden, Joseph P, 4 cr
22323 002 DIS, 09:55am-11:35am MW, CarlSMgmt 2-219, instruction mode: Classroom; Redden, Joseph P, 4 cr
31379 003 LEC, 01:45pm-03:25pm MW, CarlSMgmt 1-127, instruction mode: Classroom; Upton, Kevin John, 4 cr

4082W Brand Management**(A-F; prereq 3001, 3010, 3040; meets CLE req of Writing Intensive)**

19658 001 LEC, 09:55am-11:35am TTh, CarlSMgmt 2-219, instruction mode: Classroom; John, Deborah Roedder, 4 cr
19659 002 LEC, 01:45pm-03:25pm TTh, CarlSMgmt 2-219, instruction mode: Classroom; John, Deborah Roedder, 4 cr

6051 Marketing Research**(A-F; prereq MBA 6210, MBA student)**

13010 060 LEC, 05:45pm-09:05pm T, CarlSMgmt 2-224, instruction mode: Classroom; 41 seats reserved for PTMBA student; 5 seats reserved for MBA day student; Werner, Seth E, 4 cr

6055 Buyer Behavior**(A-F; prereq MBA 6210, MBA student)**

18912 060 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-123, instruction mode: Classroom; 60 seats reserved for PTMBA student; 5 seats reserved for MBA day student, 4 cr

6072 International Marketing**(A-F; prereq MBA 6210, MBA student)**

17014 060 LEC, 05:45pm-09:05pm Th, CarlSMgmt 1-143, instruction mode: Classroom; 40 seats reserved for PTMBA student; 8 seats reserved for MBA day student; Lipe, Jay, 4 cr

6075 Pricing Strategy**(A-F; prereq MBA 6210, MBA student)**

13011 001 LEC, 09:55am-11:35am MW, CarlSMgmt 1-135, instruction mode: Classroom; 48 seats reserved for MBA day student; Bergen, Mark Edward, 4 cr
31380 090 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-147, instruction mode: Classroom; 65 seats reserved for PTMBA student; Bergen, Mark Edward, 4 cr

6078 Integrated Marketing Communications**(A-F; prereq MBA 6210, MBA student)**

15099 060 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-143, instruction mode: Classroom; 38 seats reserved for PTMBA student; 10 seats reserved for MBA day student; Marinovich, John, 4 cr

6084 Persuasion and Influence**(A-F; prereq MBA 6210, MBA student)**

31381 050 LEC, 08:00am-05:00pm FS, CarlSMgmt 1-142, 09/08/15-10/26/15, instruction mode: Classroom; This class meets Sept 18, 25, and 26th only. 8am-5pm; 48 seats reserved for PTMBA student; Griskevicius, Vladas, 2 cr

6088 Strategic Marketing**(A-F; prereq MBA 6210, MBA student)**

17018 001 LEC, 01:45pm-03:25pm TTh, CarlSMgmt 1-132, 09/08/15-10/26/15, instruction mode: Classroom; 48 seats reserved for MBA day student; Hopkins, David K, 2 cr
13012 090 LEC, 05:45pm-09:05pm T, CarlSMgmt 2-215, 10/27/15-12/16/15, instruction mode: Classroom; 65 seats reserved for PTMBA student; Mueller, Wayne G, 2 cr

6090 Marketing Topics**(max crs 4; A-F; prereq MBA 6210, MBA student)**

33800 050 LEC, 08:00am-05:00pm FS, CarlSMgmt 1-135, 09/08/15-10/26/15, instruction mode: Classroom; TOPIC: "The Surprising, Sometimes Irrational, Behavior of Consumers". This course will meet: 10/9, 10/16 and 10/17 only. 8:00am-5:00pm; 40 seats reserved for PTMBA student; 8 seats reserved for MBA day student; Vohs, Kathleen Diane, 2 cr

6101 Independent Study**(max crs 8; A-F)**

20270 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

8810 Consumer Behavior Special Topics**(max crs 8; 4 repeats allowed; A-F only; prereq Doctoral student or [master's program student, instr consent])**

24594 001 LEC, 09/08/15-10/26/15, instruction mode:

Classroom; Meyers-Levy, Joan, 2 cr

26486 002 LEC, 01:30pm-04:30pm T, CarlSMgmt L-118, 10/27/15-12/16/15, instruction mode: Classroom; This course will meet in CSOM 3-377; Meyers-Levy, Joan, 2 cr

8892 Readings in Marketing**(max crs 16; 16 repeats allowed; prereq MBA 6210 or equiv, business admin PhD student or instr consent)**

11287 001 IND, instruction mode: Classroom, 1-8 cr

8894 Graduate Research in Marketing**(max crs 16; 16 repeats allowed; prereq MBA 6210 or equiv, business admin PhD student or instr consent)**

11288 001 IND, instruction mode: Classroom, 1-8 cr

MASTER OF BUSINESS ADMINISTRATION (MBA)

2-210 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-0006, <http://www.csom.umn.edu>

5200 Directed Studies for Curricular Practical Training (International Full-Time MBA Students Only)**(max crs 3; 3 repeats allowed; S-N; prereq International FT MBA student with approval from the MBA Office)**

18473 001 FWK, instruction mode: Classroom, 1-3 cr

6030 Financial Accounting**(A-F; prereq Evening MBA Student)**

20027 001 LEC, 08:00am-12:30pm MWF, CarlSMgmt 1-147, 09/08/15-10/26/15, instruction mode: Classroom; 65 seats reserved for MBA day student, 3 cr

20028 002 LEC, 01:00pm-05:00pm MWF, CarlSMgmt 1-123, 09/08/15-10/26/15, instruction mode: Classroom; 65 seats reserved for MBA day student, 3 cr

13197 090 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-147, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 3 cr

13198 091 LEC, 05:45pm-09:05pm Th, CarlSMgmt 1-147, 09/08/15-11/23/15, instruction mode: Classroom; HRIR students only; 65 seats reserved for HRIR MA student, 3 cr
13199 092 LEC, 12:30pm-03:50pm S, CarlSMgmt 1-147, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 3 cr

6035 Managerial Accounting**(A-F; prereq 6030, 6230, MBA student)**

13412 090 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-123, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 3 cr

6110 Management and Organizational Behavior**(Credit will not be granted if credit has been received for: MGMT 6110; A-F; prereq MBA student)**

25845 050 LEC, 08:00am-05:00pm F, CarlSMgmt 2-213, 09/11/15-09/25/15, instruction mode: Classroom; This class meets: 9/5, 9/12 and 9/19 only; 65 seats reserved for PTMBA student; Zellmer-Bruhn, Mary Elizabeth, 2 cr
25846 051 LEC, 08:00am-05:00pm S, HMH 1-105, 09/12/15-09/26/15, instruction mode: Classroom; This class meets: 9/6, 9/13 and 9/20 only; 65 seats reserved for PTMBA student; Zellmer-Bruhn, Mary Elizabeth, 2 cr

6120 Data Analysis and Statistics for Managers**(A-F; prereq MBA student)**

12983 001 LEC, 01:00pm-05:00pm MWF, CarlSMgmt 1-147, 09/08/15-10/26/15, instruction mode: Classroom; 65 seats reserved for MBA day student, 3 cr

19874 002 LEC, 08:00am-12:30pm MWF, CarlSMgmt 1-123, 09/08/15-10/26/15, instruction mode: Classroom; 65 seats reserved for MBA day student, 3 cr

12985 070 LEC, 05:45pm-09:05pm T, ROOM-TBA, 09/08/15-11/23/15, instruction mode: Primarily Online; Instruction for this course is completely online, however, exams are taken face-to-face twice during the semester. Midterm exam is Tuesday October 7. Final exam is Tuesday, November 11. Please view the following video before registering. Go to: <a

12984 090 LEC, 05:45pm-09:05pm T, HMH 1-103, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 3 cr

6140 Managerial Economics**(A-F; prereq MBA student)**

21369 070 LEC, 09/08/15-10/26/15, instruction mode:

Primarily Online; In person mid-term on Monday, September 29, 6-8pm. In person final on Monday, October 20, 6-8pm. Students who wish to register for another Monday night class should email: mbasa@umn.edu for options.; 65 seats reserved for PTMBA student, 2 cr
26347 090 LEC, 05:45pm-09:05pm Th, HMH 1-111, 09/08/15-10/26/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 2 cr

6150 Managerial Communications**(A-F; prereq MBA student)**

20022 001 LEC, 01:00pm-05:00pm T, CarlSMgmt 1-147, instruction mode: Classroom; 35 seats reserved for MBA day student, 1 cr

20023 002 LEC, 08:00am-12:30pm T, CarlSMgmt 1-123, instruction mode: Classroom; 35 seats reserved for MBA day student, 1 cr

20024 003 LEC, 08:00am-12:30pm Th, CarlSMgmt 1-123, instruction mode: Classroom; 35 seats reserved for MBA day student, 1 cr

20025 004 LEC, 01:00pm-05:00pm Th, CarlSMgmt 1-147, instruction mode: Classroom; 35 seats reserved for MBA day student, 1 cr

6210 Marketing Management**(A-F; prereq MBA student)**

13007 001 LEC, 01:00pm-05:00pm MWF, CarlSMgmt 1-147, 10/27/15-12/16/15, instruction mode: Classroom; 65 seats reserved for MBA day student; Werner, Seth E, 3 cr

19970 002 LEC, 08:00am-12:30pm MWF, CarlSMgmt 1-123, 10/27/15-12/16/15, instruction mode: Classroom; 65 seats reserved for MBA day student; Werner, Seth E, 3 cr

13008 090 LEC, 05:45pm-09:05pm T, CarlSMgmt 2-213, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student; Van Etten, Julia A., 3 cr

13009 091 LEC, 05:45pm-09:05pm Th, CarlSMgmt 2-213, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student; Upton, Kevin John, 3 cr

6220 Operations Management**(A-F; prereq MBA student)**

12986 001 LEC, 08:00am-12:30pm TTh, CarlSMgmt 1-147, 10/27/15-12/16/15, instruction mode: Classroom; 65 seats reserved for MBA day student, 3 cr

19875 002 LEC, 01:00pm-05:00pm TTh, CarlSMgmt 1-123, 10/27/15-12/16/15, instruction mode: Classroom; 65 seats reserved for MBA day student, 3 cr

31367 070 LEC, 09/08/15-11/23/15, instruction mode: Correspondence; 65 seats reserved for PTMBA student, 3 cr

12987 090 LEC, 05:45pm-09:05pm M, CarlSMgmt 2-213, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 3 cr

12988 091 LEC, 05:45pm-09:05pm W, CarlSMgmt 2-213, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 3 cr

6230 Financial Management**(A-F; prereq 6030, MBA student)**

12996 001 LEC, 08:00am-12:30pm MWF, CarlSMgmt 1-147, 10/27/15-12/16/15, instruction mode: Classroom; 65 seats reserved for MBA day student; Moser, Helen, 3 cr

19971 002 LEC, 01:00pm-05:00pm MWF, CarlSMgmt 1-123, 10/27/15-12/16/15, instruction mode: Classroom; 65 seats reserved for MBA day student; Moser, Helen, 3 cr

12998 070 LEC, 09/08/15-11/23/15, instruction mode: Primarily Online; This class will meet in person for exams on: Wed, 10/8 and Wed, 11/12, 5:45-9:05 pm in Carlson 3M Auditorium, room 1-115; 65 seats reserved for PTMBA student; Moser, Helen, 3 cr

12997 090 LEC, 05:45pm-09:05pm W, CarlSMgmt 2-215, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student; Moser, Helen, 3 cr

6300 Strategic Management**(A-F; prereq MBA student)**

15707 001 LEC, 08:00am-12:30pm TTh, CarlSMgmt 1-147, 09/08/15-10/26/15, instruction mode: Classroom; 60 seats reserved for MBA day student, 3 cr

19876 002 LEC, 01:00pm-05:00pm TTh, CarlSMgmt 1-123, 09/08/15-10/26/15, instruction mode: Classroom; 60 seats reserved for MBA day student, 3 cr

12916 090 LEC, 05:45pm-09:05pm M, CarlSMgmt 2-215, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 3 cr

12917 091 LEC, 05:45pm-09:05pm T, CarlSMgmt 1-147, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 3 cr

15227 092 LEC, 05:45pm-09:05pm Th, CarlSMgmt 1-123, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 3 cr

15531 093 LEC, 08:00am-11:20am S, CarlSMgmt 1-123, 09/08/15-11/23/15, instruction mode: Classroom; 65 seats reserved for PTMBA student, 3 cr

6315 The Ethical Environment of Business

(A-F; prereq MBA student)
17257 I090 LEC, 05:45pm-09:05pm Th, CarlSMgmt L-114, 09/08/15-10/26/15, instruction mode: Classroom; 63 seats reserved for PTMBA student, 2 cr
12918 I091 LEC, 05:45pm-09:05pm M, CarlSMgmt L-114, 10/27/15-12/16/15, instruction mode: Classroom; 63 seats reserved for PTMBA student, 2 cr

6501 Carlson Funds Enterprise: Growth

(max crs 12; 3 repeats allowed; prereq MBA student or [applied to or accepted in] spring of 1st yr; [6031, ACCT 6100, ACCT 6160, MBA student, emphasis in finance mgmt] recommended)
15206 001 FWK, 08:00am-09:40am TTh, CarlSMgmt 1-132, instruction mode: Classroom; Concurrent with BA 4501; 20 seats reserved for MBA day student; Meets with: 18425 BA 4501; Nantell, Timothy J, 2-4 cr

6502 Carlson Funds Enterprise: Fixed Income

(max crs 12; 3 repeats allowed; prereq [Applied to or accepted in] spring-A of 1st yr to begin in spring-B; [6031, ACCT 6100, ACCT 6160, MBA student, emphasis in finance mgmt] recommended)
15207 001 FWK, 08:00am-09:40am TTh, CarlSMgmt 1-135, instruction mode: Classroom; Concurrent with BA 4502; 20 seats reserved for MBA day student; Meets with: 18426 BA 4502; Nelson, Rick, 2-4 cr

6503 Carlson Ventures Enterprise

(max crs 12; 3 repeats allowed; OPN; prereq MBA student, approved application, interview)
15208 001 FWK, 08:00am-09:40am TTh, CarlSMgmt 1-142, instruction mode: Classroom; Concurrent with BA 4503; 20 seats reserved for MBA day student; Meets with: 18428 BA 4503, 2-4 cr

6504 Carlson Consulting Enterprise

(max crs 12; 3 repeats allowed; OPN; prereq MBA student, approved application, interview)
15209 001 FWK, 08:00am-09:40am TTh, CarlSMgmt 1-143, instruction mode: Classroom; Concurrent with BA 4504; 20 seats reserved for MBA day student; Meets with: 18429 BA 4504, 2-4 cr

6505 Carlson Brand Enterprise

(max crs 12; 3 repeats allowed; OPN; prereq MBA student, approved application, interview)
17784 001 FWK, 08:00am-09:40am TTh, CarlSMgmt 2-233, instruction mode: Classroom; Concurrent with BA 4505; 20 seats reserved for MBA day student; Meets with: 18430 BA 4505; Hopkins, David K, 2-4 cr

MASTER OF BUSINESS TAXATION (MBT)

3-110 Carlson School of Management,
321 19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-7511, <http://www.csom.umn.edu/mbt>

5200 Tax Accounting Methods and Periods

(A-F only; prereq ACCT 5135, MBT student)
16855 I200 LEC, 05:45pm-09:05pm M, HMH 1-109, instruction mode: Classroom; 15 seats reserved for Accountancy M.Acc.; Naples, Tammy, 4 cr

5220 Tax Research, Communication, and Practice

(A-F only; prereq ACCT 5135, MBT student)
16856 I200 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-127, instruction mode: Classroom; Gutterman, Paul Gerard, 4 cr

5230 Corporate Taxation I

(A-F only; prereq ACCT 5135, MBT student)
18019 I200 LEC, 05:45pm-09:05pm Th, CarlSMgmt 2-224, 09/08/15-11/02/15, instruction mode: Classroom; Conlon, Roger John, 2 cr

5346 ASC 740 Computations and Analysis

(A-F only; prereq 5230, MBT student)
18907 I200 LEC, 05:45pm-09:05pm T, CarlSMgmt L-118, 11/03/15-12/23/15, instruction mode: Classroom; Frank, Nicholas, 2 cr

5363 Compensation and Benefits

(A-F only; prereq ACCT 5135, MBT student)
24044 I200 LEC, 05:45pm-09:05pm Th, CarlSMgmt 2-224, 11/03/15-12/23/15, instruction mode: Classroom; Clark, Keith H, 2 cr

5370 Taxation of Property Transactions

(A-F only; prereq Acct 5135, MBT student)
19769 I200 LEC, 05:45pm-09:05pm M, CarlSMgmt 2-224, 09/08/15-11/02/15, instruction mode: Classroom; Miller, Craig Randall, 2 cr

5380 Tax Aspects of International Business I

(A-F only; prereq 5230, MBT student)
13589 I200 LEC, 05:45pm-09:05pm T, CarlSMgmt L-118, 09/08/15-11/02/15, instruction mode: Classroom; Conlon, Roger John, 2 cr

5420 Current Topics in Taxation

(max crs 4; A-F only; prereq ACCT 5135, MBT student)
26341 200 IND, instruction mode: Classroom, 1-4 cr

5500 Business, Government, and Economic Tax Policy

(A-F; prereq 5230, MBT student)
22792 I200 LEC, 05:45pm-09:05pm T, CarlSMgmt 2-219, 11/03/15-12/23/15, instruction mode: Classroom; Conlon, Roger John, 2 cr

MASTER OF DEVELOPMENT PRACTICE (MDP)**5001 Ways of Knowing and Sustainable Livelihoods**

(A-F only; prereq Grad MDP major or instr consent)
21075 001 LEC, 01:00pm-02:15pm W, HHHctr 15, instruction mode: Classroom; Wilsey PhD, David Scott, 2 cr

5100 International Field Seminar

(A-F; prereq MDP grad student or instr consent)
21971 001 LEC, 09:00am-05:00pm S, BlegH 205, instruction mode: Classroom; Johnstone, Christopher J, 1 cr

MASTERS OF BUSINESS ANALYTICS (MSBA)**6120 Introduction to Statistics for Data Scientists**

(A-F; prereq MSBA student)
31382 I090 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-149, instruction mode: Classroom, 3 cr

6310 Programming and Application Development

(A-F; prereq MSBA student)
31383 I090 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-149, instruction mode: Classroom, 3 cr

6320 Data Management, Databases, and Data Warehousing

(A-F; prereq MSBA student)
26704 001 LEC, 09:45am-11:00am MW, CarlSMgmt 1-149, instruction mode: Classroom, 3 cr

6330 Harvesting Big Data

(A-F; prereq MSBA student)
26705 001 LEC, 01:00pm-02:15pm MW, CarlSMgmt 1-149, instruction mode: Classroom, 3 cr

6340 Project Management, Leadership, Communications and Team Dynamics

(A-F; prereq MSBA student)
26706 001 LEC, 03:00pm-04:15pm TTh, CarlSMgmt 1-149, 09/08/15-10/26/15, 02:30pm-05:00pm T, CarlSMgmt 1-149, 10/27/15-12/16/15, instruction mode: Classroom, 3 cr

6410 Exploratory Data Analytics and Visualization

(A-F; prereq MSBA student)
26707 001 LEC, 09:45am-11:00am TTh, CarlSMgmt 1-149, instruction mode: Classroom, 3 cr

6420 Predictive Analytics

(A-F; prereq MSBA student)
26708 001 LEC, 01:00pm-02:15pm TTh, CarlSMgmt 1-149, instruction mode: Classroom, 3 cr

MATERIALS SCIENCE (MatS)

151 Amundson Hall, 421 Washington Ave SE, East Bank Campus, Minneapolis, MN, 55455

612/625-1313, <http://www.cems.umn.edu>**1001 Advances in Chemical Engineering and Materials Science**

(Credit will not be granted if credit has been received for: CHEN 1001; S-N only; prereq credit will not be granted if credit received for: ChEn 1001; Recommended for [chemical engineering, materials science/engineering] majors)
14280 001 LEC, 02:30pm-03:20pm Th, AmundH B75, instruction mode: Classroom; Meets with: 14279 CHEN 1001; Macosko, Chris; Cheng, Xiang, 1 cr

2001 Introduction to the Science of Engineering Materials

(A-F; prereq CHEM 1061, CHEM 1065, [MATH 1272 or MATH 1372], PHYS 1301W, CSE student)
11362 002 LEC, 11:15am-12:05pm MWF, MCB 3-120, instruction mode: Classroom; Macosko, Chris, 3 cr

2002 Introduction to the Science of Engineering Materials Laboratory

(A-F; prereq [2001 or Concurrent registration is required (or allowed) in 2001], IT student)
17707 001 LAB, 08:00am-11:00am M, AmundH B30, instruction mode: Classroom; Schott, Jeffrey H., 1 cr
17708 002 LAB, 02:30pm-05:30pm T, AmundH B30, instruction mode: Classroom; Schott, Jeffrey H., 1 cr
17709 003 LAB, 02:30pm-05:30pm Th, AmundH B30, instruction mode: Classroom; Schott, Jeffrey H., 1 cr
17710 004 LAB, 02:30pm-05:30pm F, AmundH B30, instruction mode: Classroom; Schott, Jeffrey H., 1 cr

3001 Thermodynamics of Materials

(A-F only; prereq MatS upper div)
001 LEC, 11:15am-12:05pm MWF, AkerH 319, instruction mode: Classroom; Wentzcovitch, Renata M
11386 002 DIS, 02:30pm-03:20pm Th, FordH 150, instruction mode: Classroom; Wentzcovitch, Renata M, 3 cr
23279 003 DIS, 08:00am-08:50am Th, AmundH 116, instruction mode: Classroom; Wentzcovitch, Renata M, 3 cr

3011 Introduction to Materials Science and Engineering

(prereq CHEM 1061, CHEM 1065, [MATH 1272 or MATH 1372], PHYS 1302, CSE student)
001 LEC, 02:30pm-03:20pm MWF, MCB 3-120, instruction mode: Classroom; Flannigan, David James; Ferry, Vivian Eleanor

17417 012 DIS, 10:10am-11:00am T, AkerH 215, instruction mode: Classroom; Flannigan, David James; Ferry, Vivian Eleanor, 3 cr

17418 013 DIS, 10:10am-11:00am T, AmundH 124, instruction mode: Classroom; Flannigan, David James; Ferry, Vivian Eleanor, 3 cr

17419 015 DIS, 09:05am-09:55am T, AmundH 124, instruction mode: Classroom; Flannigan, David James; Ferry, Vivian Eleanor, 3 cr

17424 016 DIS, 08:00am-08:50am T, AmundH 124, instruction mode: Classroom; Flannigan, David James; Ferry, Vivian Eleanor, 3 cr

19695 017 DIS, 08:00am-08:50am T, AmundH 120, instruction mode: Classroom; Flannigan, David James; Ferry, Vivian Eleanor, 3 cr

3012 Metals and Alloys

(A-F only; prereq [3011, [MatS or ChEn upper div] or instr consent)
001 LEC, 02:30pm-03:20pm MWF, RapsonH 56, instruction mode: Classroom; Mkhoyan, Andre
24343 002 DIS, 08:00am-08:50am M, AmundH 116, instruction mode: Classroom; Mkhoyan, Andre, 3 cr
24344 003 DIS, 09:05am-09:55am W, AmundH 120, instruction mode: Classroom; Mkhoyan, Andre, 3 cr

3013 Electrical and Magnetic Properties of Materials

(A-F only; prereq 3011, [CHEM 4502 or PHYS 2303], [upper div MatS or ChEn] or instr consent)
001 LEC, 01:25pm-02:15pm MWF, AkerH 319, instruction mode: Classroom; Holmes, Russell James
18422 002 DIS, 03:35pm-04:25pm Th, AmundH 120, instruction mode: Classroom; Holmes, Russell James, 3 cr
23278 003 DIS, 01:25pm-02:15pm Th, AmundH 116, instruction mode: Classroom; Holmes, Russell James, 3 cr

3041 Industrial Assignment I

(Credit will not be granted if credit has been received for: CHEN 3041; A-F; prereq MatS upper div, completion of required courses in MatS program through fall sem of 3rd yr, GPA of at least 2.80, regis in co-op program)

14628 001 FWK, instruction mode: Classroom; Francis, Lorraine F, 2 cr

3045 Materials Science and Engineering Industrial Internship

(max crs 2; A-F; prereq MatS Upper Division. GPA of at least 2.8.)

24279 001 FWK, instruction mode: Classroom; Francis, Lorraine F, 1 cr

3801 Structural Characterization Lab

(A-F; prereq [3011, MatS upper div] or dept consent)

001 LEC, 12:20pm-01:10pm MW, KHKH 3-230, instruction mode: Classroom; Manno, Michael A

14630 002 LAB, 09:05am-12:05pm T, AmundH B25, instruction mode: Classroom; Manno, Michael A, 4 cr

14631 003 LAB, 09:05am-12:05pm Th, AmundH B30, instruction mode: Classroom; Manno, Michael A, 4 cr

23076 004 LAB, 02:30pm-05:30pm T, AmundH B25, instruction mode: Classroom; Manno, Michael A, 4 cr

4041 Industrial Assignment II

(Credit will not be granted if credit has been received for: CHEN 4041; A-F; prereq 3041, GPA of at least 2.80, registration in co-op program)

14632 001 FWK, instruction mode: Classroom; Francis, Lorraine F, 2 cr

4212 Ceramics

(A-F only; prereq [3011, [4001 or CHEN 3101], [MatS or ChEn upper div]] or instr consent)

11398 001 LEC, 10:10am-11:00am MWF, AkerH 319, instruction mode: Classroom; Jalan, Bharat, 3 cr

4221 Materials Performance

(A-F; prereq 3012, AEM 3031, Upper div MatS)

001 LEC, 09:05am-09:55am MWF, FordH 150, instruction mode: Classroom; Francis, Lorraine F

11433 002 LAB, 08:00am-09:55am T, AmundH B30, instruction mode: Classroom; Francis, Lorraine F, 4 cr

11434 003 LAB, 10:10am-12:05pm T, AmundH B30, instruction mode: Classroom; Francis, Lorraine F, 4 cr

24219 004 LAB, 12:20pm-02:15pm W, AmundH B30, instruction mode: Classroom; Francis, Lorraine F, 4 cr

4401 Senior Design Thesis I

(A-F; prereq =: 4400; MatS senior, dept consent, GPA of at least 3.00, project approval by faculty adviser)

15176 001 IND, instruction mode: Classroom; Leighton, Chris, 2 cr

4591 Independent Study in Materials Science

(max crs 6; 3 repeats allowed; OPN; prereq Upper div mat sci)

11435 001 IND, instruction mode: Classroom; Leighton, Chris, 1-3 cr

4593 Directed Study in Materials Science

(max crs 6; 3 repeats allowed; A-F; prereq upper div MatS)

11436 001 IND, instruction mode: Classroom; Leighton, Chris, 1-4 cr

4594 Directed Research in Materials Science

(max crs 6; 3 repeats allowed; OPN; prereq Upper div mat sci)

11437 001 IND, instruction mode: Classroom; Leighton, Chris, 1-3 cr

5353 Electron Microprobe Theory and Practice

(Credit will not be granted if credit has been received for: ESCI 5353; prereq [One yr chem, one yr physics] or instr consent)

001 LEC, 11:15am-12:05pm W, PillsH 121, instruction mode: Classroom; Meets with: 25106 ESCI 5353; von der Handt, Anette

20922 100 LAB, 08:00am-09:45am Th, PillsH 20, instruction mode: Classroom; Meets with: 25107 ESCI 5353; von der Handt, Anette, 3 cr

20923 101 LAB, 10:10am-11:55am Th, PillsH 20, instruction mode: Classroom; Meets with: 25108 ESCI 5353; von der Handt, Anette, 3 cr

20924 102 LAB, 01:40pm-03:25pm Th, PillsH 20, instruction mode: Classroom; Meets with: 25109 ESCI 5353; von der Handt, Anette, 3 cr

8001 Structure and Symmetry of Materials

(prereq MatS and ChEn majors must take this course for a grade)

12360 001 LEC, 09:05am-09:55am MWF, AmundH 116, instruction mode: Classroom; Frisbie, C Daniel, 3 cr

8002 Thermodynamics and Kinetics

(A-F only)

12361 001 LEC, 10:10am-12:05pm TTh, MCB 2-120, instruction mode: Classroom; Meets with: 19973 CHEN 8401; Aydil, Eray S, 3 cr

8221 Synthetic Polymer Chemistry

(Credit will not be granted if credit has been received for: CHEM 4221, MATS 5221, CHEM 8221, CHEN 5221, CHEN 8221; A-F only; prereq [Undergrad organic chemistry course, undergrad physical chemistry course] or instr consent)

19373 001 LEC, 08:15am-09:30am TTh, STSS 220, instruction mode: Classroom; Meets with: 14737 CHEM 8221, 20096 CHEM 4221, 19394 CHEN 8221; Hillmyer, Marc Andrew, 4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13988 001 IND, instruction mode: Classroom; Holmes, Russell James, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14121 001 IND, instruction mode: Classroom; Holmes, Russell James, 1 cr

8555 MatS Teaching Practicum

(max crs 24; 4 repeats allowed; S-N; prereq Grad MATS or ChEn major and DGS permission)

26881 001 FWK, instruction mode: Classroom; Holmes, Russell James, 1-6 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14241 001 IND, instruction mode: Classroom; Holmes, Russell James, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14325 001 IND, instruction mode: Classroom; Holmes, Russell James, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13758 001 IND, instruction mode: Classroom; Holmes, Russell James, 1-24 cr

8993 Directed Study

(max crs 12)

13155 001 LEC, instruction mode: Classroom; Holmes, Russell James, 1-12 cr

8994 Directed Research

(max crs 12)

13157 001 LEC, instruction mode: Classroom; Holmes, Russell James, 1-12 cr

MATHEMATICS (Math)

127 Vincent Hall, 206 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-2004, <http://www.math.umn.edu>

1001 Excursions in Mathematics

(prereq 3 yrs high school math or placement exam or [grade of at least C- in PSTL 731 or 732]; meets CLE req of Mathematical Thinking)

010 LEC, 11:15am-12:05pm MWF, FordH 130, instruction mode: Classroom

10591 011 DIS, 10:10am-11:00am Th, VinH 209, instruction mode: Classroom; , 3 cr

10592 012 DIS, 11:15am-12:05pm Th, VinH 209, instruction mode: Classroom; , 3 cr

18328 013 DIS, 12:20pm-01:10pm Th, VinH 301, instruction mode: Classroom; , 3 cr

1031 College Algebra and Probability

(Credit will not be granted if credit has been received for: MATH 1051, PSTL 1006; prereq 3 yrs high school

math or satisfactory score on placement exam or grade of at least C- in [PSTL 731 or PSTL 732]; meets CLE req of Mathematical Thinking)

10862 1001 LEC, 06:00pm-08:05pm MW, STSS 117, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; , 3 cr

10863 1002 LEC, 06:00pm-08:05pm TTh, STSS 117, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; , 3 cr

010 LEC, 08:30am-09:20am MWF, HodsonH 495, STPAUL, instruction mode: Classroom

10865 011 DIS, 08:30am-09:20am T, RuttanH B30, STPAUL, 08:30am-09:20am Th, RuttanH B30, STPAUL, instruction mode: Classroom; , 3 cr

10866 012 DIS, 08:30am-09:20am T, RuttanH B26, STPAUL, 08:30am-09:20am Th, RuttanH B26, STPAUL, instruction mode: Classroom; , 3 cr

10867 013 DIS, 09:35am-10:25am T, RuttanH B36, STPAUL, 09:35am-10:25am Th, RuttanH B30, STPAUL, instruction mode: Classroom; , 3 cr

020 LEC, 09:05am-09:55am MWF, Mayo C231, instruction mode: Classroom

10869 021 DIS, 08:00am-08:50am T, VinH 213, 08:00am-08:50am Th, VinH 213, instruction mode: Classroom; , 3 cr

10870 023 DIS, 09:05am-09:55am T, STSS 117, 09:05am-09:55am Th, VinH 209, instruction mode: Classroom; , 3 cr

10871 024 DIS, 09:05am-09:55am T, VinH 209, 09:05am-09:55am Th, VinH 207, instruction mode: Classroom; , 3 cr

030 LEC, 12:20pm-01:10pm MWF, SmithH 231, instruction mode: Classroom

10873 031 DIS, 10:10am-11:00am T, VinH 6, 10:10am-11:00am Th, VinH 207, instruction mode: Classroom; , 3 cr

10874 032 DIS, 10:10am-11:00am T, VinH 211, 10:10am-11:00am Th, VinH 206, instruction mode: Classroom; , 3 cr

10875 033 DIS, 11:15am-12:05pm T, STSS 121, 11:15am-12:05pm Th, VinH 207, instruction mode: Classroom; , 3 cr

10876 034 DIS, 11:15am-12:05pm T, VinH 209, 11:15am-12:05pm Th, VinH 206, instruction mode: Classroom; , 3 cr

040 LEC, 02:30pm-03:20pm MWF, Mayo C231, instruction mode: Classroom

13247 041 DIS, 01:25pm-02:15pm T, VinH 206, 01:25pm-02:15pm Th, VinH 207, instruction mode: Classroom; , 3 cr

13248 042 DIS, 01:25pm-02:15pm T, VinH 213, 01:25pm-02:15pm Th, VinH 213, instruction mode: Classroom; , 3 cr

13249 043 DIS, 02:30pm-03:20pm T, AmundH 104, 02:30pm-03:20pm Th, VinH 207, instruction mode: Classroom; , 3 cr

15049 044 DIS, 02:30pm-03:20pm T, VinH 213, 02:30pm-03:20pm Th, VinH 206, instruction mode: Classroom; , 3 cr

1038 College Algebra and Probability Submodule

(A-F only; prereq 1051 or 1151 or 1155)

13651 001 LEC, instruction mode: Classroom, 1 cr

1051 Precalculus I

(Credit will not be granted if credit has been received for: MATH 1031, PSTL 1006; prereq 3 yrs of high school math or satisfactory score on placement test or grade of at least C- in [PSTL 731 or PSTL 732]; meets CLE req of Mathematical Thinking)

010 LEC, 10:10am-11:00am MWF, RapsonH 100, instruction mode: Classroom

12882 011 DIS, 09:05am-09:55am T, VinH 6, 09:05am-09:55am Th, VinH 20, instruction mode: Classroom; , 3 cr

12883 012 DIS, 09:05am-09:55am T, VinH 211, 09:05am-09:55am Th, VinH 2, instruction mode: Classroom; , 3 cr

12884 013 DIS, 10:10am-11:00am T, VinH 113, 10:10am-11:00am Th, VinH 113, instruction mode: Classroom; 3 cr

12885 014 DIS, 10:10am-11:00am T, STSS 144, 10:10am-11:00am Th, STSS 123, instruction mode: Classroom; , 3 cr

17328 015 DIS, 11:15am-12:05pm T, STSS 123, 11:15am-12:05pm Th, VinH 2, instruction mode: Classroom; , 3 cr

17329 016 DIS, 11:15am-12:05pm T, VinH 311, 11:15am-12:05pm Th, VinH 1, instruction mode: Classroom; , 3 cr

020 LEC, 01:25pm-02:15pm MWF, AmundH B75, instruction mode: Classroom

12887 021 DIS, 12:20pm-01:10pm T, Room TBA, TCEASTBANK, 12:20pm-01:10pm Th, VinH 20, instruction mode: Classroom, 3 cr

12888 022 DIS, 12:20pm-01:10pm T, VinH 209,
12:20pm-01:10pm Th, VinH 207, instruction mode:
Classroom; , 3 cr

12889 023 DIS, 01:25pm-02:15pm T, VinH 20,
01:25pm-02:15pm Th, VinH 211, instruction mode:
Classroom, 3 cr

12890 024 DIS, 01:25pm-02:15pm T, VinH 2,
01:25pm-02:15pm Th, VinH 113, instruction mode:
Classroom; , 3 cr

18982 026 DIS, 03:35pm-04:25pm T, VinH 206,
03:35pm-04:25pm Th, VinH 206, instruction mode:
Classroom; , 3 cr

1111 Precalculus with Physical Concepts (A-F only; prereq Grade of at least C- in [MATH 1110 or equiv] or placement exam;; meets CLE req of Mathematical Thinking)

21005 001 LEC, 12:45pm-02:00pm TTh, USq 337,
ROCHESTER, instruction mode: Classroom; Note that
the examinations for this course will be held on Tuesday
evenings from 5:30 - 7:30 PM on these dates: 10/13 and
11/7., 3 cr

1142 Short Calculus

(prereq Satisfactory score on placement test or grade
of at least C- in [1031 or 1051]; meets CLE req of
Mathematical Thinking)

10593 I001 LEC, 06:00pm-08:05pm MW, VinH 113,
instruction mode: Classroom; 2 seats reserved for non-
PSEO, non-admitted student; , 4 cr

10594 I002 LEC, 06:00pm-08:05pm TTh, VinH 211,
instruction mode: Classroom; 2 seats reserved for non-
PSEO, non-admitted student; , 4 cr

010 LEC, 09:05am-09:55am MWF, FraserH 102, instruction
mode: Classroom

10596 011 DIS, 08:00am-08:50am TTh, VinH 6, instruction
mode: Classroom; , 4 cr

10597 012 DIS, 08:00am-08:50am TTh, STSS 144,
instruction mode: Classroom; , 4 cr

10598 013 DIS, 09:05am-09:55am TTh, ApH 3, instruction
mode: Classroom; , 4 cr

10599 014 DIS, 09:05am-09:55am TTh, FordH 115,
instruction mode: Classroom, 4 cr

020 LEC, 02:30pm-03:20pm MWF, STSS 220, instruction
mode: Classroom

10601 021 DIS, 01:25pm-02:15pm TTh, BuH 123, instruction
mode: Classroom; , 4 cr

10602 022 DIS, 01:25pm-02:15pm TTh, AmundH 124,
instruction mode: Classroom; , 4 cr

10603 023 DIS, 01:25pm-02:15pm TTh, AmundH 120,
instruction mode: Classroom; , 4 cr

10604 024 DIS, 02:30pm-03:20pm TTh, FordH 130,
instruction mode: Classroom; , 4 cr

15050 025 DIS, 02:30pm-03:20pm TTh, FordH 115,
instruction mode: Classroom; , 4 cr

17650 026 DIS, 02:30pm-03:20pm TTh, FordH 110,
instruction mode: Classroom; , 4 cr

1151 Precalculus II

(Credit will not be granted if credit has been received
for: MATH 1155; prereq Satisfactory score on
placement exam or grade of at least C- in [1031 or
1051]; credit will not be granted if credit received for:
Math1155; meets CLE req of Mathematical Thinking)

12891 I001 LEC, 06:00pm-08:05pm TTh, VinH 113,
instruction mode: Classroom; 2 seats reserved for non-
PSEO, non-admitted student; , 3 cr

020 LEC, 11:15am-12:05pm MWF, STSS 330, instruction
mode: Classroom

12893 021 DIS, 11:15am-12:05pm Th, STSS 432A,
instruction mode: Classroom; , 3 cr

12894 022 DIS, 11:15am-12:05pm Th, STSS 432B,
instruction mode: Classroom; , 3 cr

12895 023 DIS, 12:20pm-01:10pm Th, STSS 432A,
instruction mode: Classroom; , 3 cr

12896 024 DIS, 12:20pm-01:10pm Th, STSS 432B,
instruction mode: Classroom; , 3 cr

030 LEC, 12:20pm-01:10pm MWF, AndH 310, instruction
mode: Classroom

12898 031 DIS, 01:25pm-02:15pm Th, VinH 311, instruction
mode: Classroom; , 3 cr

12899 032 DIS, 01:25pm-02:15pm Th, VinH 20, instruction
mode: Classroom; , 3 cr

12900 033 DIS, 01:25pm-02:15pm Th, VinH 2, instruction
mode: Classroom; , 3 cr

12901 034 DIS, 02:30pm-03:20pm Th, VinH 6, instruction
mode: Classroom; , 3 cr

15824 035 DIS, 02:30pm-03:20pm Th, VinH 211, instruction
mode: Classroom; , 3 cr

25833 036 DIS, 02:30pm-03:20pm Th, VinH 113, instruction
mode: Classroom; , 3 cr

040 LEC, 02:30pm-03:20pm MWF, STSS 412, instruction
mode: Classroom

14493 041 DIS, 02:30pm-03:20pm Th, STSS 432B,
instruction mode: Classroom; , 3 cr

14494 042 DIS, 02:30pm-03:20pm Th, STSS 420B,
instruction mode: Classroom; , 3 cr

14646 043 DIS, 03:35pm-04:25pm Th, STSS 420B,
instruction mode: Classroom; , 3 cr

14647 044 DIS, 03:35pm-04:25pm Th, STSS 432B,
instruction mode: Classroom; , 3 cr

1155 Intensive Precalculus

(Credit will not be granted if credit has been received
for: MATH 1151; prereq 3 yrs high school math or
satisfactory score on placement exam or grade of at
least C- in [PSTL 731 or PSTL 732]; Credit will not be
granted if credit has been received for: Math 1031,
1051, 1151; meets CLE req of Mathematical Thinking)

010 LEC, 10:10am-11:00am MWF, FordH 150, instruction
mode: Classroom

10653 011 DIS, 10:10am-11:00am TTh, VinH 364, instruction
mode: Classroom; , 5 cr

10654 012 DIS, 11:15am-12:05pm TTh, VinH 364, instruction
mode: Classroom; , 5 cr

1161 Statistics and Discrete Mathematics

(A-F only; prereq Three yrs high school math or
placement exam; Only Rochester-admitted students
will be able to enroll in this course.; meets CLE req of
Mathematical Thinking)

19841 001 LEC, 08:15am-09:30am TTh, 318Com 10,
ROCHESTER, instruction mode: Classroom; The help
session will become mandatory if you fail to show good
performance in the course, your instructor(s) can help you
define good performance. Also, attending the excel tutorial
during the first week of class will be required for students
with no knowledge of Excel. Note that the examinations for
this course will be held on Monday evenings from 5:30 -
7:30 PM on these dates: 10/12 and 11/16., 3 cr

19843 002 LEC, 09:45am-11:00am TTh, 318Com 10,
ROCHESTER, instruction mode: Classroom; The help
session will become mandatory if you fail to show good
performance in the course, your instructor(s) can help you
define good performance. Also, attending the excel tutorial
during the first week of class will be required for students
with no knowledge of Excel. Note that the examinations for
this course will be held on Monday evenings from 5:30 -
7:30 PM on these dates: 10/12 and 11/16., 3 cr

22665 003 LEC, 12:45pm-02:00pm TTh, USq 318,
ROCHESTER, instruction mode: Classroom; The help
session will become mandatory if you fail to show good
performance in the course, your instructor(s) can help you
define good performance. Also, attending the excel tutorial
during the first week of class will be required for students
with no knowledge of Excel. Note that the examinations for
this course will be held on Monday evenings from 5:30 -
7:30 PM on these dates: 10/12 and 11/16., 3 cr

31625 004 LEC, 04:00pm-05:15pm TTh, USq 318,
ROCHESTER, instruction mode: Classroom; The help
session will become mandatory if you fail to show good
performance in the course, your instructor(s) can help you
define good performance. Also, attending the excel tutorial
during the first week of class will be required for students
with no knowledge of Excel. Note that the examinations for
this course will be held on Monday evenings from 5:30 -
7:30 PM on these dates: 10/12 and 11/16., 3 cr

1171 Calculus, Modeling, and Data I

(A-F only; prereq Grade of at least C- in 1111 or
placement exam or instr consent; meets CLE req of
Mathematical Thinking)

001 LEC, 01:25pm-02:40pm MW, USq 415, ROCHESTER,
instruction mode: Classroom; The help session will be
strongly encouraged if you fail to show good performance
in the course, your instructor(s) can help you define good
performance. Note that the examinations for this course will
be held on Monday evenings from 5:30-7:30 PM on these
dates: 10/12 and 11/16.

002 LEC, 03:45pm-05:00pm MW, 318Com 10, ROCHESTER,
instruction mode: Classroom; The help session will be
strongly encouraged if you fail to show good performance
in the course, your instructor(s) can help you define good
performance. Note that the examinations for this course will
be held on Monday evenings from 5:30-7:30 PM on these
dates: 10/12 and 11/16.

32642 003 DIS, 01:25pm-02:15pm F, USq 415,
ROCHESTER, instruction mode: Classroom, 4 cr

31623 004 DIS, 03:35pm-04:25pm F, USq 415,
ROCHESTER, instruction mode: Classroom, 4 cr

1241 Calculus and Dynamical Systems in Biology

(prereq [4 yrs high school math including trig or
satisfactory score on placement test or grade of at
least C- in [1151 or 1155]]; CBS student; meets CLE req
of Mathematical Thinking)

010 LEC, 02:30pm-03:45pm WF, STSS 114, instruction
mode: Classroom

22569 011 DIS, 11:15am-12:05pm T, STSS 530B,
11:15am-12:05pm Th, STSS 530B, instruction mode:
Classroom; , 4 cr

22570 012 DIS, 11:15am-12:05pm T, KHKH 2-260,
11:15am-12:05pm Th, KHKH 2-260, instruction mode:
Classroom; , 4 cr

25727 013 DIS, 12:20pm-01:10pm T, KHKH 2-260,
12:20pm-01:10pm Th, KHKH 2-260, instruction mode:
Classroom; , 4 cr

25728 014 DIS, 12:20pm-01:10pm T, STSS 530B,
12:20pm-01:10pm Th, STSS 530B, instruction mode:
Classroom; , 4 cr

25729 015 DIS, 01:25pm-02:15pm T, KHKH 2-260,
01:25pm-02:15pm Th, KHKH 2-260, instruction mode:
Classroom; , 4 cr

25730 016 DIS, 01:25pm-02:15pm T, STSS 530B,
01:25pm-02:15pm Th, STSS 530B, instruction mode:
Classroom; , 4 cr

1271 Calculus I

(Credit will not be granted if credit has been received
for: MATH 1371, MATH 1571H, MATH 1471, MATH 1281,
ESPM 1145; prereq 4 yrs high school math including
trig or satisfactory score on placement test or grade
of at least C- in [1151 or 1155]; meets CLE req of
Mathematical Thinking)

10605 I001 LEC, 06:00pm-08:05pm MW, VinH 311,
instruction mode: Classroom; 5 seats reserved for non-
PSEO, non-admitted student; , 4 cr

10606 I002 LEC, 06:00pm-08:05pm TTh, VinH 311,
instruction mode: Classroom; 5 seats reserved for non-
PSEO, non-admitted student; , 4 cr

010 LEC, 09:05am-09:55am MWF, AndH 310, instruction
mode: Classroom

14174 011 DIS, 08:00am-08:50am TTh, VinH 211, instruction
mode: Classroom; , 4 cr

14175 012 DIS, 08:00am-08:50am TTh, VinH 113, instruction
mode: Classroom; , 4 cr

14176 013 DIS, 08:00am-08:50am TTh, STSS 123,
instruction mode: Classroom; , 4 cr

14177 014 DIS, 08:00am-08:50am TTh, STSS 117,
instruction mode: Classroom; , 4 cr

16885 015 DIS, 09:05am-09:55am TTh, ApH 11, instruction
mode: Classroom, 4 cr

17644 016 DIS, 09:05am-09:55am TTh, FordH 130,
instruction mode: Classroom; , 4 cr

22602 017 DIS, 09:05am-09:55am TTh, PeikH 375,
instruction mode: Classroom; , 4 cr

020 LEC, 10:10am-11:00am MWF, AndH 310, instruction
mode: Classroom

10608 021 DIS, 10:10am-11:00am TTh, MechE 221,
instruction mode: Classroom; , 4 cr

10609 022 DIS, 10:10am-11:00am TTh, KHKH 3-125,
instruction mode: Classroom; , 4 cr

10610 023 DIS, 10:10am-11:00am TTh, KHKH 3-111,
instruction mode: Classroom; This discussion is
associated with the Student Excellence in Academics
and Multiculturalism (SEAM) program. See [https://
diversity.umn.edu/multicultural/SEAM/](https://diversity.umn.edu/multicultural/SEAM/); , 4 cr

10611 024 DIS, 11:15am-12:05pm TTh, MechE 221,
instruction mode: Classroom; , 4 cr

15845 025 DIS, 11:15am-12:05pm TTh, MechE 102,
instruction mode: Classroom; , 4 cr

17640 026 DIS, 11:15am-12:05pm TTh, AmundH 124,
instruction mode: Classroom; , 4 cr

23296 027 DIS, 11:15am-12:05pm TTh, ApH 303, instruction
mode: Classroom; , 4 cr

030 LEC, 12:20pm-01:10pm MWF, KHKH 3-210, instruction
mode: Classroom

10613 031 DIS, 12:20pm-01:10pm TTh, ApH 3, instruction
mode: Classroom, 4 cr

10614 032 DIS, 12:20pm-01:10pm TTh, ApH 11, instruction
mode: Classroom; , 4 cr

10615 033 DIS, 12:20pm-01:10pm TTh, AkerH 327,
instruction mode: Classroom; , 4 cr

10616 034 DIS, 12:20pm-01:10pm TTh, VinH 6, instruction
mode: Classroom; , 4 cr

15825 035 DIS, 01:25pm-02:15pm TTh, ApH 303, instruction
mode: Classroom; , 4 cr

17641 036 DIS, 01:25pm-02:15pm TTh, ApH 3, instruction
mode: Classroom; , 4 cr

20625 037 DIS, 01:25pm-02:15pm TTh, ApH 11, instruction
mode: Classroom; , 4 cr

040 LEC, 01:25pm-02:15pm MWF, AndH 310, instruction
mode: Classroom

13560 041 DIS, 01:25pm-02:15pm TTh, LindH 229,
instruction mode: Classroom; , 4 cr

13561 042 DIS, 01:25pm-02:15pm TTh, LindH 203,
instruction mode: Classroom; , 4 cr

13562 043 DIS, 01:25pm-02:15pm TTh, AmundH 162,
instruction mode: Classroom; , 4 cr

17642 044 DIS, 02:30pm-03:20pm TTh, AmundH 162,
instruction mode: Classroom; , 4 cr

17643 045 DIS, 02:30pm-03:20pm TTh, AmundH 158,
instruction mode: Classroom; , 4 cr

20626 046 DIS, 02:30pm-03:20pm TTh, STSS 144,
instruction mode: Classroom; , 4 cr

050 LEC, 02:30pm-03:20pm MWF, FraserH 102, instruction
mode: Classroom

14170 051 DIS, 02:30pm-03:20pm TTh, AkerH 327, instruction mode: Classroom; , 4 cr
 14171 052 DIS, 02:30pm-03:20pm TTh, AkerH 317, instruction mode: Classroom; , 4 cr
 14172 053 DIS, 02:30pm-03:20pm TTh, AkerH 313, instruction mode: Classroom; , 4 cr
 20627 055 DIS, 03:35pm-04:25pm TTh, VinH 211, instruction mode: Classroom; , 4 cr
 20628 056 DIS, 03:35pm-04:25pm TTh, VinH 113, instruction mode: Classroom; , 4 cr
 060 LEC, 03:35pm-04:25pm MWF, FraserH 102, instruction mode: Classroom
 23860 061 DIS, 03:35pm-04:25pm TTh, VinH 311, instruction mode: Classroom; , 4 cr
 23861 062 DIS, 03:35pm-04:25pm TTh, VinH 20, instruction mode: Classroom; , 4 cr
 23862 064 DIS, 04:40pm-05:30pm TTh, VinH 20, instruction mode: Classroom; , 4 cr
 23864 065 DIS, 04:40pm-05:30pm TTh, VinH 2, instruction mode: Classroom; , 4 cr
 070 LEC, 11:15am-12:05pm MWF, FraserH 102, instruction mode: Classroom
 20241 071 DIS, 11:15am-12:05pm TTh, ApH 3, instruction mode: Classroom; , 4 cr
 20629 072 DIS, 11:15am-12:05pm TTh, ApH 11, instruction mode: Classroom; , 4 cr
 20630 073 DIS, 12:20pm-01:10pm TTh, VinH 211, instruction mode: Classroom; , 4 cr
 20631 074 DIS, 12:20pm-01:10pm TTh, VinH 113, instruction mode: Classroom; , 4 cr

1272 Calculus II

(Credit will not be granted if credit has been received for: MATH 1372, MATH 1572H, MATH 1472, MATH 1252, MATH 1282; prereq [1271 or equiv] with grade of at least C-)

10617 001 LEC, 06:00pm-08:05pm MW, VinH 20, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; , 4 cr
 14178 002 LEC, 06:00pm-08:05pm TTh, VinH 20, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; , 4 cr
 020 LEC, 09:05am-09:55am MWF, KHKH 3-210, instruction mode: Classroom
 10619 021 DIS, 09:05am-09:55am TTh, AkerH 327, instruction mode: Classroom, 4 cr
 10620 022 DIS, 09:05am-09:55am TTh, AkerH 317, instruction mode: Classroom; , 4 cr
 10621 023 DIS, 09:05am-09:55am TTh, STSS 144, instruction mode: Classroom; , 4 cr
 10622 024 DIS, 09:05am-09:55am TTh, STSS 123, instruction mode: Classroom; , 4 cr
 15846 025 DIS, 10:10am-11:00am TTh, RapsonH 54, instruction mode: Classroom; , 4 cr
 17639 026 DIS, 10:10am-11:00am TTh, PeikH 155, instruction mode: Classroom; , 4 cr
 20632 027 DIS, 10:10am-11:00am TTh, AmundH 162, instruction mode: Classroom; , 4 cr
 030 LEC, 01:25pm-02:15pm MWF, STSS 230, instruction mode: Classroom
 10624 031 DIS, 12:20pm-01:10pm TTh, MechE 102, instruction mode: Classroom, 4 cr
 10625 032 DIS, 12:20pm-01:10pm TTh, ApH 303, instruction mode: Classroom; , 4 cr
 10626 033 DIS, 12:20pm-01:10pm TTh, AmundH 162, instruction mode: Classroom; , 4 cr
 10627 034 DIS, 01:25pm-02:15pm TTh, ApH 319, instruction mode: Classroom; , 4 cr
 15799 035 DIS, 01:25pm-02:15pm TTh, AmundH 156, instruction mode: Classroom; , 4 cr
 15853 036 DIS, 01:25pm-02:15pm TTh, VinH 209, instruction mode: Classroom; , 4 cr
 040 LEC, 03:35pm-04:25pm MWF, FraserH 101, instruction mode: Classroom
 13511 041 DIS, 03:35pm-04:25pm TTh, AmundH 158, instruction mode: Classroom; , 4 cr
 13530 042 DIS, 03:35pm-04:25pm TTh, LindH 217, instruction mode: Classroom; , 4 cr
 13532 043 DIS, 03:35pm-04:25pm TTh, VinH 6, instruction mode: Classroom; , 4 cr
 13533 044 DIS, 04:40pm-05:30pm TTh, VinH 209, instruction mode: Classroom; , 4 cr
 20633 045 DIS, 04:40pm-05:30pm TTh, VinH 207, instruction mode: Classroom; , 4 cr

1371 CSE Calculus I

(Credit will not be granted if credit has been received for: MATH 1271, MATH 1571H, MATH 1471, MATH 1281, ESPM 1145; prereq CSE or pre-bioproduct Concurrent registration is required (or allowed) in biosys engn (PRE), background in [precalculus, geometry, visualization of functions/graphs], instr consent ; familiarity with graphing calculators recommended; meets CLE req of Mathematical Thinking)

020 LEC, 09:05am-09:55am MW, AndH 270, instruction mode: Classroom

11068 022 DIS, 10:10am-11:00am T, STSS 123, 10:10am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; 23 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr
 11069 023 DIS, 11:15am-12:05pm T, Room TBA, TCWESTBANK, 10:10am-12:05pm Th, Room TBA, TCWESTBANK, instruction mode: Classroom; 23 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr
 11070 024 DIS, 12:20pm-01:10pm T, VinH 20, 12:20pm-02:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; 22 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr
 15671 025 DIS, 02:30pm-03:20pm T, VinH 311, 02:30pm-04:25pm Th, ApH 319, instruction mode: Classroom; 23 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr
 030 LEC, 01:25pm-02:15pm MW, RapsonH 100, instruction mode: Classroom
 11072 031 DIS, 10:10am-11:00am T, VinH 209, 10:10am-12:05pm Th, Room TBA, TCWESTBANK, instruction mode: Classroom; 22 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr
 11073 032 DIS, 11:15am-12:05pm T, VinH 207, 10:10am-12:05pm Th, Room TBA, TCWESTBANK, instruction mode: Classroom; 22 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr
 11074 034 DIS, 12:20pm-01:10pm T, VinH 207, 12:20pm-02:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; 22 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr
 15672 035 DIS, 02:30pm-03:20pm T, VinH 211, 02:30pm-04:25pm Th, PeikH 155, instruction mode: Classroom; 22 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr
 040 LEC, 02:30pm-03:20pm MW, SmithH 331, instruction mode: Classroom
 11076 042 DIS, 10:10am-11:00am T, VinH 207, 10:10am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; 21 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr
 11077 043 DIS, 11:15am-12:05pm T, VinH 206, 10:10am-12:05pm Th, Room TBA, TCWESTBANK, instruction mode: Classroom; 12 seats reserved for Freshman and FRFY for Freshman; , 4 cr
 15673 045 DIS, 02:30pm-03:20pm T, VinH 207, 02:30pm-04:25pm Th, CookeH 215, instruction mode: Classroom; 22 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

1372 CSE Calculus II

(Credit will not be granted if credit has been received for: MATH 1272, MATH 1572H, MATH 1472, MATH 1252, MATH 1282; prereq Grade of at least C- in [1371 or equiv], CSE or pre-Bioproduct/Biosys Engr)

010 LEC, 09:05am-09:55am MW, RapsonH 100, instruction mode: Classroom
 16132 011 DIS, 08:00am-08:50am T, VinH 311, 08:00am-09:55am Th, VinH 311, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr
 16133 012 DIS, 10:10am-11:00am T, VinH 311, 10:10am-12:05pm Th, VinH 311, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr
 16134 013 DIS, 12:20pm-01:10pm T, VinH 206, 12:20pm-02:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr
 16135 014 DIS, 02:30pm-03:20pm T, VinH 20, 02:30pm-04:25pm Th, AmundH 124, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr
 21787 015 DIS, 09:05am-09:55am T, VinH 207, 08:00am-09:55am Th, AmundH 124, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr
 020 LEC, 12:20pm-01:10pm MW, FraserH 102, instruction mode: Classroom
 18984 021 DIS, 08:00am-08:50am T, VinH 206, 08:00am-09:55am Th, AmundH 120, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY

for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr
 18985 022 DIS, 10:10am-11:00am T, VinH 20, 10:10am-12:05pm Th, VinH 20, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr
 18986 023 DIS, 12:20pm-01:10pm T, VinH 2, 12:20pm-02:15pm Th, FordH 150, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr
 18987 024 DIS, 02:30pm-03:20pm T, VinH 206, 02:30pm-04:25pm Th, PeikH 315, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

1571H Honors Calculus I

(Credit will not be granted if credit has been received for: MATH 1271, MATH 1371, MATH 1471, MATH 1281, ESPM 1145; A-F; prereq Honors student and permission of University Honors Program; meets CLE req of Mathematical Thinking; meets HON req of Honors)

010 LEC, 10:10am-11:00am MWF, CivE 212, instruction mode: Classroom
 11088 011 DIS, 09:05am-09:55am TTh, ApH 219, instruction mode: Classroom; , 4 cr
 11089 012 DIS, 10:10am-11:00am TTh, BlegH 105, instruction mode: Classroom, 4 cr

1572H Honors Calculus II

(Credit will not be granted if credit has been received for: MATH 1272, MATH 1372, MATH 1472, MATH 1252, MATH 1282; A-F; prereq 1571H, honors student, permission of University Honors Program; meets HON req of Honors)

010 LEC, 10:10am-11:00am MWF, BuH 120, instruction mode: Classroom
 22935 011 DIS, 09:05am-09:55am TTh, MechE 221, instruction mode: Classroom, 4 cr
 22936 012 DIS, 10:10am-11:00am TTh, BlegH 430, instruction mode: Classroom; , 4 cr

2161 Bioinformatics and Biostatistics

(A-F only; prereq Grade of at least C- in [1161, BIOL 2311]; meets CLE req of Mathematical Thinking)

21776 001 LEC, 11:15am-12:30pm TTh, USq 318, ROCHESTER, instruction mode: Classroom; Dame, Lorraine Frances; Metzger, Kelsey Jean, 3 cr

2243 Linear Algebra and Differential Equations

(Credit will not be granted if credit has been received for: MATH 2373, MATH 2574H, MATH 2471; prereq [1272 or 1282 or 1372 or 1572] w/grade of at least C-)

10638 001 LEC, 06:00pm-08:05pm MW, VinH 2, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr
 14648 002 LEC, 06:00pm-08:05pm TTh, VinH 2, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr
 020 LEC, 11:15am-12:05pm MWF, STSS 230, instruction mode: Classroom
 10640 021 DIS, 10:10am-11:00am TTh, PeikH 315, instruction mode: Classroom; 8 seats reserved for Freshman and FRFY for Freshman; 5 seats reserved for NASS - New Advanced Standing S, 4 cr
 10641 022 DIS, 10:10am-11:00am TTh, ApH 319, instruction mode: Classroom; 8 seats reserved for Freshman and FRFY for Freshman; 5 seats reserved for NASS - New Advanced Standing S, 4 cr
 10642 023 DIS, 10:10am-11:00am TTh, ApH 303, instruction mode: Classroom; 2 seats reserved for Freshman and FRFY for Freshman, 4 cr
 18983 024 DIS, 11:15am-12:05pm TTh, FordH 115, instruction mode: Classroom; 8 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S, 4 cr
 20229 025 DIS, 11:15am-12:05pm TTh, ApH 103, instruction mode: Classroom; 8 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr
 030 LEC, 02:30pm-03:20pm MWF, STSS 230, instruction mode: Classroom
 18997 031 DIS, 02:30pm-03:20pm TTh, LindH 229, instruction mode: Classroom; , 4 cr
 18998 032 DIS, 02:30pm-03:20pm TTh, LindH 217, instruction mode: Classroom; , 4 cr
 18999 033 DIS, 02:30pm-03:20pm TTh, STSS 123, instruction mode: Classroom; , 4 cr
 20162 034 DIS, 03:35pm-04:25pm TTh, VinH 209, instruction mode: Classroom; , 4 cr

20230 035 DIS, 03:35pm-04:25pm TTh, VinH 207, instruction mode: Classroom; , 4 cr

2263 Multivariable Calculus

(Credit will not be granted if credit has been received for: MATH 2374, MATH 2573H, MATH 2473, MATH 3251; prereq [1272 or 1372 or 1572] w/grade of at least C-)

10643 !001 LEC, 06:00pm-08:05pm MW, VinH 1, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; 5 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

14169 !002 LEC, 06:00pm-08:05pm TTh, VinH 1, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; 5 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

010 LEC, 10:10am-11:00am MWF, STSS 230, instruction mode: Classroom

10645 011 DIS, 10:10am-11:00am TTh, ApH 219, instruction mode: Classroom; 11 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr

10646 012 DIS, 10:10am-11:00am TTh, ApH 3, instruction mode: Classroom; 11 seats reserved for Freshman and FRFY for Freshman; 4 seats reserved for NASS - New Advanced Standing S; , 4 cr

10647 013 DIS, 10:10am-11:00am TTh, FordH B10, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr

10648 014 DIS, 11:15am-12:05pm TTh, AkerH 327, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

20228 015 DIS, 11:15am-12:05pm TTh, FordH 110, instruction mode: Classroom; 11 seats reserved for Freshman and FRFY for Freshman; 5 seats reserved for NASS - New Advanced Standing S; , 4 cr

24547 016 DIS, 11:15am-12:05pm TTh, AkerH 317, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 5 seats reserved for NASS - New Advanced Standing S; , 4 cr

020 LEC, 02:30pm-03:20pm MWF, FraserH 101, instruction mode: Classroom

10650 021 DIS, 01:25pm-02:15pm TTh, AmundH 158, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 5 seats reserved for NASS - New Advanced Standing S; , 4 cr

10651 022 DIS, 01:25pm-02:15pm TTh, VinH 6, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

19488 023 DIS, 02:30pm-03:20pm TTh, STSS 117, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

20637 024 DIS, 02:30pm-03:20pm TTh, LindH 203, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 4 seats reserved for NASS - New Advanced Standing S; , 4 cr

24504 025 DIS, 02:30pm-03:20pm TTh, VinH 209, instruction mode: Classroom; 10 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr

2283 Sequences, Series, and Foundations

(Credit will not be granted if credit has been received for: MATH 3283W; prereq [Concurrent registration is required (or allowed) in 2243 or Concurrent registration is required (or allowed) in 2263 or Concurrent registration is required (or allowed) in 2373 or Concurrent registration is required (or allowed) in 2374] w/grade of at least C-)

010 LEC, 11:15am-12:05pm MW, KHKH 3-111, instruction mode: Classroom

14165 011 DIS, 10:10am-11:00am TTh, PeikH 375, instruction mode: Classroom; , 3 cr

21967 012 DIS, 11:15am-12:05pm TTh, AkerH 313, instruction mode: Classroom; , 3 cr

2373 CSE Linear Algebra and Differential Equations

(Credit will not be granted if credit has been received for: MATH 2243, MATH 2574H, MATH 2471; prereq [1272 or 1282 or 1372 or 1572] w/grade of at least C-, CSE or pre-Bio Prod/Biosys Engr)

010 LEC, 11:15am-12:05pm MW, SmithH 331, instruction mode: Classroom

11079 011 DIS, 09:05am-09:55am TTh, VinH 301, 10:10am-11:00am Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

11080 012 DIS, 10:10am-11:00am TTh, VinH 301, 11:15am-12:05pm Th, VinH 5, instruction mode:

Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

11081 013 DIS, 12:20pm-01:10pm TTh, FordH 155, 01:25pm-02:15pm T, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

14168 014 DIS, 01:25pm-02:15pm TTh, VinH 364, 02:30pm-03:20pm T, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

15794 015 DIS, 02:30pm-03:20pm TTh, VinH 301, 03:35pm-04:25pm T, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr

020 LEC, 03:35pm-04:25pm MW, SmithH 331, instruction mode: Classroom

11083 021 DIS, 08:00am-08:50am TTh, VinH 313, 09:05am-09:55am T, VinH 5, instruction mode: Classroom; 12 seats reserved for Freshman and FRFY for Freshman; 7 seats reserved for NASS - New Advanced Standing S; , 4 cr

11084 022 DIS, 10:10am-11:00am TTh, VinH 313, 11:15am-12:05pm T, VinH 5, instruction mode: Classroom; 11 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr

11085 023 DIS, 09:05am-09:55am TTh, VinH 313, 10:10am-11:00am T, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr

11086 024 DIS, 11:15am-12:05pm TTh, VinH 301, 12:20pm-01:10pm T, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17633 !026 DIS, 03:35pm-04:25pm TTh, VinH 301, 04:40pm-05:30pm T, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr

030 LEC, 01:25pm-02:15pm MW, SmithH 231, instruction mode: Classroom

19292 031 DIS, 12:20pm-01:10pm Th, VinH 5, 11:15am-12:05pm TTh, VinH 313, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 2 seats reserved for NASS - New Advanced Standing S; , 4 cr

19293 032 DIS, 12:20pm-01:10pm TTh, VinH 364, 01:25pm-02:15pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

19294 033 DIS, 01:25pm-02:15pm TTh, VinH 301, 02:30pm-03:20pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

19295 034 DIS, 02:30pm-03:20pm TTh, VinH 313, 03:35pm-04:25pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 1 seat reserved for NASS - New Advanced Standing S; , 4 cr

19296 !035 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

19297 036 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

19298 037 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

19299 038 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

19300 039 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

19301 040 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

19302 041 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

19303 042 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

19304 043 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

19305 044 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

19306 045 DIS, 03:35pm-04:25pm TTh, VinH 313, 04:40pm-05:30pm Th, VinH 5, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 6 seats reserved for NASS - New Advanced Standing S; , 4 cr

Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 5 seats reserved for NASS - New Advanced Standing S; , 4 cr

17369 !015 DIS, 04:40pm-05:30pm T, VinH 1, 04:40pm-06:30pm Th, LindH 40, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 4 seats reserved for NASS - New Advanced Standing S; , 4 cr

18683 !016 DIS, 06:45pm-07:35pm T, VinH 6, 06:45pm-08:35pm Th, LindH 40, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 4 seats reserved for NASS - New Advanced Standing S; , 4 cr

020 LEC, 01:25pm-02:15pm WF, BlegH 5, instruction mode: Classroom

14185 021 DIS, 08:00am-08:50am Th, VinH 1, 08:00am-09:55am T, LindH 40, instruction mode: Classroom; 11 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

14186 022 DIS, 10:10am-12:05pm T, LindH 40, 10:10am-11:00am Th, VinH 2, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

14187 023 DIS, 12:20pm-01:10pm Th, VinH 2, 12:20pm-02:15pm T, LindH 40, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

14188 024 DIS, 02:30pm-03:20pm Th, VinH 311, 02:30pm-04:25pm T, LindH 40, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

15051 !025 DIS, 04:40pm-05:30pm Th, VinH 1, 04:40pm-06:30pm T, LindH 40, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17398 !026 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17399 !027 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17400 !028 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17401 !029 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17402 !030 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17403 !031 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17404 !032 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17405 !033 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17406 !034 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17407 !035 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17408 !036 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17409 !037 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17410 !038 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17411 !039 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17412 !040 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17413 !041 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

17414 !042 DIS, 06:45pm-08:35pm T, LindH 40, 06:45pm-07:35pm Th, VinH 6, instruction mode: Classroom; 9 seats reserved for Freshman and FRFY for Freshman; 3 seats reserved for NASS - New Advanced Standing S; , 4 cr

15310 011 DIS, 10:10am-11:00am TTh, SmithH 121,
instruction mode: Classroom; , 5 cr

4065 Theory of Interest

(A-F; prereq 1272 or 1372 or 1572)
14709 001 LEC, 04:00pm-05:40pm MW, VinH 113, instruction
mode: Classroom; 8 seats reserved for Math major [BS or
BA] with sub; , 4 cr
20639 1002 LEC, 05:00pm-06:40pm MW, LindH 229,
instruction mode: Classroom; 8 seats reserved for Math
major [BS or BA] with sub; , 4 cr
24524 1003 LEC, 05:00pm-06:40pm MW, LindH 203,
instruction mode: Classroom; 8 seats reserved for Math
major [BS or BA] with sub; , 4 cr

4067W Actuarial Mathematics in Practice (A-F; prereq 4065, ACCT 2050, ECON 1101, ECON 1102; meets CLE req of Writing Intensive)

22912 1001 LEC, 05:00pm-07:30pm T, STSS 530B,
instruction mode: Classroom; 25 seats reserved for Math
major [BS or BA] with sub; , 3 cr

4242 Applied Linear Algebra

(Credit will not be granted if credit has been received
for: MATH 4457; prereq 2243 or 2373 or 2573)
12355 010 LEC, 09:05am-09:55am MWF, VinH 211,
instruction mode: Classroom; , 4 cr
14167 020 LEC, 09:05am-09:55am MWF, VinH 113,
instruction mode: Classroom, 4 cr
18247 030 LEC, 12:20pm-01:10pm MWF, VinH 211,
instruction mode: Classroom; , 4 cr
18401 040 LEC, 12:20pm-01:10pm MWF, VinH 113,
instruction mode: Classroom; , 4 cr
20640 050 LEC, 02:30pm-03:20pm MWF, VinH 6, instruction
mode: Classroom; , 4 cr
21945 060 LEC, 02:30pm-03:20pm MWF, VinH 211,
instruction mode: Classroom; , 4 cr
22027 070 LEC, 02:30pm-03:45pm MW, VinH 113, instruction
mode: Classroom; , 4 cr
25378 1080 LEC, 05:00pm-06:15pm MW, FordH 130,
instruction mode: Classroom; , 4 cr

4281 Introduction to Modern Algebra

(prereq 2283 or 3283 or instr consent)
22610 001 LEC, 11:15am-12:05pm MWF, VinH 1, instruction
mode: Classroom; , 4 cr
24522 002 LEC, 01:25pm-02:15pm MWF, VinH 2, instruction
mode: Classroom; , 4 cr

4512 Differential Equations with Applications

(prereq 2243 or 2373 or 2573)
11177 001 LEC, 10:10am-11:00am MWF, VinH 20, instruction
mode: Classroom; , 3 cr

4567 Applied Fourier Analysis

(prereq 2243 or 2373 or 2573)
11196 001 LEC, 12:20pm-01:10pm MWF, VinH 20, instruction
mode: Classroom; , 4 cr

4603 Advanced Calculus I

(prereq [[2243 or 2373], [2263 or 2374]] or 2574 or instr
consent)
20781 001 LEC, 09:05am-11:00am TTh, Room TBA,
TCEASTBANK, instruction mode: Classroom; , 4 cr
24523 002 LEC, 12:20pm-02:15pm TTh, Peikh 28, instruction
mode: Classroom; , 4 cr

4653 Elementary Probability

(prereq [2263 or 2374 or 2573]; [2283 or 2574 or 3283]
recommended)
17245 1001 LEC, 04:40pm-06:35pm TTh, VinH 206,
instruction mode: Classroom; , 4 cr

4707 Introduction to Combinatorics and Graph Theory

(prereq 2243, [2283 or 3283])
14744 001 LEC, 12:20pm-01:10pm MWF, VinH 209,
instruction mode: Classroom; , 4 cr

4990 Topics in Mathematics

(max crs 12; 12 repeats allowed)
13032 001 LEC, instruction mode: Classroom, 1-4 cr

4991 Independent Study

(max crs 12; 12 repeats allowed)
13013 001 IND, instruction mode: Independent/Directed
Studies, 1-4 cr
18077 002 IND, instruction mode: Independent/Directed
Studies, 1-4 cr
21992 003 IND, instruction mode: Independent/Directed
Studies, 1-4 cr
24743 004 IND, instruction mode: Classroom, 1-4 cr

24778 005 IND, instruction mode: Classroom, 1-4 cr

4992 Directed Reading

(max crs 12; 12 repeats allowed)
13030 001 IND, instruction mode: Independent/Directed
Studies, 1-4 cr
18502 002 IND, instruction mode: Independent/Directed
Studies, 1-4 cr

4993 Directed Study

(max crs 12; 12 repeats allowed)
13031 001 IND, instruction mode: Independent/Directed
Studies, 1-4 cr
18488 002 IND, instruction mode: Independent/Directed
Studies, 1-4 cr
21228 003 IND, instruction mode: Independent/Directed
Studies, 1-4 cr
21244 004 IND, instruction mode: Independent/Directed
Studies, 1-4 cr

4995 Senior Project for CLA

(A-F only; prereq 2 sem of upper div math, dept
consent)
14698 001 IND, instruction mode: Independent/Directed
Studies; , 1 cr
17139 002 IND, instruction mode: Independent/Directed
Studies, 1 cr
17142 003 IND, instruction mode: Independent/Directed
Studies, 1 cr
17141 004 IND, instruction mode: Independent/Directed
Studies, 1 cr
17140 005 IND, instruction mode: Independent/Directed
Studies, 1 cr
22114 006 IND, instruction mode: Independent/Directed
Studies, 1 cr
24755 007 IND, instruction mode: Classroom, 1 cr
24759 008 IND, instruction mode: Classroom, 1 cr
24768 009 IND, instruction mode: Classroom, 1 cr
24774 010 IND, instruction mode: Classroom, 1 cr

4997W Senior project (Writing Intensive)

(max crs 2; A-F only; prereq 2 sem upper div math,
dept consent; meets CLE req of Writing Intensive)
14699 001 IND, instruction mode: Independent/Directed
Studies, 1 cr
17143 002 IND, instruction mode: Independent/Directed
Studies, 1 cr
17144 003 IND, instruction mode: Independent/Directed
Studies, 1 cr
17145 004 IND, instruction mode: Independent/Directed
Studies, 1 cr
17146 005 IND, instruction mode: Independent/Directed
Studies, 1 cr
17147 006 IND, instruction mode: Independent/Directed
Studies, 1 cr
20266 007 IND, instruction mode: Independent/Directed
Studies, 1 cr
20267 008 IND, instruction mode: Independent/Directed
Studies, 1 cr
21219 009 IND, instruction mode: Independent/Directed
Studies, 1 cr
21220 010 IND, instruction mode: Independent/Directed
Studies, 1 cr
21223 011 IND, instruction mode: Independent/Directed
Studies, 1 cr
21224 012 IND, instruction mode: Independent/Directed
Studies, 1 cr
21231 013 IND, instruction mode: Independent/Directed
Studies, 1 cr
21236 014 IND, instruction mode: Independent/Directed
Studies, 1 cr
23348 015 IND, instruction mode: Independent/Directed
Studies, 1 cr
23349 016 IND, instruction mode: Independent/Directed
Studies, 1 cr
23353 017 IND, instruction mode: Independent/Directed
Studies, 1 cr
23355 018 IND, instruction mode: Independent/Directed
Studies, 1 cr
24760 019 IND, instruction mode: Classroom, 1 cr
24762 020 IND, instruction mode: Classroom, 1 cr
24767 021 IND, instruction mode: Classroom, 1 cr
24773 022 IND, instruction mode: Classroom, 1 cr
24776 023 IND, instruction mode: Classroom, 1 cr
26923 024 IND, instruction mode: Classroom, 1 cr
26976 025 IND, instruction mode: Classroom, 1 cr
26988 026 IND, instruction mode: Classroom, 1 cr

5067 Actuarial Mathematics I

(prereq 4065, [one sem [4xxx or 5xxx] [probability or
statistics] course])
10879 001 LEC, 01:00pm-02:15pm MW, BuH 120, instruction
mode: Classroom, 4 cr
20865 002 LEC, 01:00pm-02:15pm MW, ScottH 4, instruction
mode: Classroom, 4 cr

5075 Mathematics of Options, Futures, and Derivative Securities I

(prereq Two yrs calculus, basic computer skills)
13407 1001 LEC, 05:00pm-06:40pm MW, FordH 115,
instruction mode: Classroom; , 4 cr
24437 1002 LEC, 05:00pm-06:40pm MW, VinH 6, instruction
mode: Classroom; , 4 cr

5165 Mathematical Logic I

(Credit will not be granted if credit has been received
for: MATH 4152; prereq 2283 or 3283 or Phil 5201 or
CSci course in theory of algorithms or instr consent)
10952 001 LEC, 02:30pm-03:20pm MWF, VinH 20, instruction
mode: Classroom; , 4 cr

5248 Cryptology and Number Theory

(prereq 2 sems soph math)
11180 001 LEC, 04:00pm-05:15pm MW, VinH 2, instruction
mode: Classroom; , 4 cr
16724 002 LEC, 02:30pm-03:45pm MW, VinH 1, instruction
mode: Classroom; , 4 cr
24521 003 LEC, 02:30pm-03:45pm TTh, VinH 2, instruction
mode: Classroom; , 4 cr

5251 Error-Correcting Codes, Finite Fields, Algebraic Curves

(prereq 2 sems soph math)
17225 001 LEC, 01:25pm-02:15pm MWF, VinH 311,
instruction mode: Classroom; , 4 cr

5285H Honors: Fundamental Structures of Algebra I

(prereq [2243 or 2373 or 2573], [2283 or 2574 or 3283];
meets HON req of Honors)
11152 001 LEC, 10:10am-11:00am MWF, VinH 2, instruction
mode: Classroom; , 4 cr

5335 Geometry I

(prereq [2243 or 2373 or 2573], [concurrent enrollment
2263 or concurrent enrollment 2374 or concurrent
enrollment 2574])
11153 001 LEC, 01:25pm-03:20pm MW, ApH 303, instruction
mode: Classroom; , 4 cr

5345H Honors: Introduction to Topology

(A-F; prereq [2263 or 2374 or 2573], [Concurrent
registration is required (or allowed) in 2283 or
Concurrent registration is required (or allowed) in 2574
or Concurrent registration is required (or allowed) in
3283]; meets HON req of Honors)
11194 001 LEC, 01:25pm-02:15pm MWF, VinH 20, instruction
mode: Classroom; , 4 cr

5447 Theoretical Neuroscience

(prereq 2243 or 2373 or 2574)
19222 001 LEC, 01:00pm-02:15pm WF, AmundH 158,
instruction mode: Classroom; , 4 cr

5485 Introduction to Numerical Methods I

(prereq [2243 or 2373 or 2573], familiarity with some
programming language)
11195 001 LEC, 01:25pm-02:15pm MWF, FordH 150,
instruction mode: Classroom; , 4 cr

5535 Dynamical Systems and Chaos

(prereq [2243 or 2373 or 2573], [2263 or 2374 or 2574])
11178 001 LEC, 02:30pm-03:20pm MWF, STSS 117,
instruction mode: Classroom; , 4 cr

5583 Complex Analysis

(prereq 2 sems soph math [including [2263 or 2374 or
2573], [2283 or 3283]] recommended)
14704 001 LEC, 12:20pm-01:10pm MWF, VinH 207,
instruction mode: Classroom; , 4 cr

5587 Elementary Partial Differential Equations I

(prereq [2243 or 2373 or 2573], [2263 or 2374 or 2574])
13451 001 LEC, 02:30pm-03:45pm TTh, VinH 1, instruction
mode: Classroom; , 4 cr
14991 1002 LEC, 04:45pm-06:00pm TTh, VinH 311,
instruction mode: Classroom; , 4 cr

5615H Honors: Introduction to Analysis I

(prereq [[2243 or 2373], [2263 or 2374], [2283 or 3283]]
or 2574; meets HON req of Honors)
11175 001 LEC, 12:20pm-01:10pm MWF, VinH 2, instruction
mode: Classroom; , 4 cr
11176 002 LEC, 02:30pm-03:20pm MWF, VinH 2, instruction
mode: Classroom; , 4 cr
26852 003 LEC, 09:05am-09:55am MWF, VinH 1, instruction
mode: Classroom; , 4 cr

5651 Basic Theory of Probability and Statistics

(prereq [2263 or 2374 or 2573], [2243 or 2373]; [2283 or 2574 or 3283] recommended; Credit will not be granted if credit has been received for: Stat 4101, Stat 5101.)
11197 001 LEC, 10:10am-12:05pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; For more sections see Stat 5101; , 4 cr
14163 002 LEC, 12:20pm-02:15pm TTh, BuH 120, instruction mode: Classroom; For more sections see Stat 5101; , 4 cr
21886 003 LEC, 02:30pm-04:25pm TTh, ApH 3, 02:30pm-04:25pm TTh, ApH 11, 02:30pm-04:25pm TTh, ApH 303, instruction mode: Classroom; , 4 cr
22007 004 LEC, 04:40pm-06:35pm TTh, VinH 6, instruction mode: Classroom; , 4 cr

5652 Introduction to Stochastic Processes (prereq 5651 or Stat 5101)

15052 001 LEC, 10:10am-12:05pm TTh, PillsH 110, instruction mode: Classroom, 4 cr
23082 002 LEC, 04:40pm-06:35pm TTh, LindH 217, instruction mode: Classroom, 4 cr

5705 Enumerative Combinatorics

(prereq [2243 or 2373 or 2573], [2263 or 2283 or 2374 or 2574 or 3283])
34358 001 LEC, 02:30pm-04:25pm MW, ApH 3, instruction mode: Classroom, 4 cr

5711 Linear Programming and Combinatorial Optimization

(prereq 2 sems soph math [including 2243 or 2373 or 2573])
17739 001 LEC, 10:10am-12:05pm MW, RapsonH 45, instruction mode: Classroom; Meets with: 11530 IE 5531, 4 cr

5900 Tutorial in Advanced Mathematics

(max crs 120; 20 repeats allowed; A-F only)
25384 001 IND, instruction mode: Classroom, 1-6 cr

8001 Preparation for College Teaching

(S-N only; prereq Math grad student in good standing or instr consent)
17607 001 LEC, 12:20pm-01:10pm F, VinH 6, instruction mode: Classroom; , 1 cr

8201 General Algebra

(A-F only; prereq 4xxx algebra or equiv or instr consent)
11703 001 LEC, 09:05am-09:55am MWF, VinH 301, instruction mode: Classroom; , 3 cr

8207 Theory of Modular Forms and L-Functions

(A-F only; prereq 8202 or instr consent)
34329 001 LEC, 11:15am-12:05pm MWF, STSS 119, instruction mode: Classroom, 3 cr

8245 Group Theory

(A-F only; prereq 8202 or instr consent)
34332 001 LEC, 01:25pm-02:15pm MWF, VinH 364, instruction mode: Classroom, 3 cr

8253 Algebraic Geometry

(A-F only; prereq 8202 or instr consent)
20818 001 LEC, 10:10am-11:00am MWF, VinH 364, instruction mode: Classroom; , 3 cr

8271 Lie Groups and Lie Algebras

(A-F only; prereq 8302 or instr consent)
34334 001 LEC, 09:05am-09:55am MWF, VinH 206, instruction mode: Classroom, 3 cr

8280 Topics in Number Theory

(max crs 3; A-F only)
25762 001 LEC, 02:30pm-03:20pm MWF, VinH 364, instruction mode: Classroom; , 1-3 cr

8301 Manifolds and Topology

(A-F only; prereq [Some point-set topology, algebra] or instr consent)
11704 001 LEC, 01:25pm-02:15pm MWF, STSS 121, instruction mode: Classroom; , 3 cr

8306 Algebraic Topology

(A-F only; prereq 8301 or instr consent)
25763 001 LEC, 11:15am-12:05pm MWF, VinH 213, instruction mode: Classroom; , 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
13987 001 IND, instruction mode: Classroom, 1 cr

8360 Topics in Topology

(max crs 12; 12 repeats allowed; A-F only; prereq 8301 or #; offered as one yr or one sem crse as circumstances warrant)
34335 001 LEC, 02:30pm-03:20pm MWF, VinH 311, instruction mode: Classroom, 1-3 cr

8365 Riemannian Geometry

(A-F only; prereq 8301 or basic point-set topology or instr consent)
25765 001 LEC, 10:10am-11:00am MWF, VinH 301, instruction mode: Classroom; , 3 cr

8387 Mathematical Modeling of Industrial Problems

(A-F only; prereq [5xxx numerical analysis, some computer experience] or instr consent)
34336 001 LEC, 02:30pm-03:20pm MWF, VinH 209, instruction mode: Classroom, 3 cr

8401 Mathematical Modeling and Methods of Applied Mathematics

(A-F only; prereq 4xxx numerical analysis and applied linear algebra or instr consent)
11780 001 LEC, 09:05am-09:55am MWF, VinH 213, instruction mode: Classroom; , 3 cr

8431 Mathematical Fluid Mechanics

(A-F only; prereq 5xxx numerical analysis of partial differential equations or instr consent)
34337 001 LEC, 01:25pm-02:15pm MWF, VinH 209, instruction mode: Classroom, 3 cr

8441 Numerical Analysis and Scientific Computing

(prereq [4xxx analysis, 4xxx applied linear algebra] or #)
11785 001 LEC, 11:15am-12:05pm MWF, VinH 207, instruction mode: Classroom; Math 5485 numerical analysis or equivalent required for engineering and science students.; , 3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14120 001 IND, instruction mode: Independent/Directed Studies, 1 cr

8445 Numerical Analysis of Differential Equations

(A-F only; prereq 4xxx numerical analysis, 4xxx partial differential equations or instr consent)
25766 001 LEC, 11:15am-12:05pm MWF, VinH 364, instruction mode: Classroom; , 3 cr

8520 Topics in Dynamical Systems

(max crs 12; 12 repeats allowed; A-F only; prereq 8502)
34339 001 LEC, 02:30pm-03:45pm MWF, VinH 206, instruction mode: Classroom, 1-3 cr

8540 Topics in Mathematical Biology

(max crs 12; 4 repeats allowed; A-F only)
26291 001 LEC, 01:25pm-02:15pm MWF, VinH 313, instruction mode: Classroom, 1-3 cr

8571 Theory of Evolutionary Equations

(A-F only; prereq 8502 or instr consent)
34341 001 LEC, 11:15am-12:05pm MWF, VinH 301, instruction mode: Classroom, 3 cr

8583 Theory of Partial Differential Equations

(A-F only; prereq [Some 5xxx PDE, 8601] or instr consent)
22612 001 LEC, 10:10am-11:00am MWF, VinH 313, instruction mode: Classroom; , 3 cr

8590 Topics in Partial Differential Equations

(max crs 3; A-F only; prereq 8602; offered for one yr or one sem as circumstances warrant)
34343 001 LEC, 01:25pm-02:15pm MWF, VinH 301, instruction mode: Classroom, 1-3 cr

8600 Topics in Advanced Applied Mathematics

(max crs 12; 12 repeats allowed)
34345 001 LEC, 02:30pm-03:20pm MWF, VinH 207, instruction mode: Classroom, 1-3 cr

8601 Real Analysis

(A-F only; prereq 5616 or instr consent)

12051 001 LEC, 04:00pm-05:15pm MW, VinH 1, instruction mode: Classroom; , 3 cr

8651 Theory of Probability Including Measure Theory

(prereq 5616 or instr consent)
12353 001 LEC, 10:10am-11:00am MWF, VinH 1, instruction mode: Classroom; , 3 cr

8659 Stochastic Processes

(prereq 8652 or instr consent)
34348 001 LEC, 10:10am-11:00am MWF, VinH 207, instruction mode: Classroom, 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14240 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr

8668 Combinatorial Theory

(A-F only)
34350 001 LEC, 11:15am-12:05pm MWF, VinH 206, instruction mode: Classroom, 3 cr

8701 Complex Analysis

(A-F only; prereq 5616 or instr consent)
12049 001 LEC, 02:30pm-03:20pm MWF, VinH 301, instruction mode: Classroom; , 3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14324 001 IND, instruction mode: Independent/Directed Studies, 1-18 cr

8801 Functional Analysis

(A-F only; prereq 8602 or instr consent)
12050 001 LEC, 01:25pm-02:15pm MWF, VinH 207, instruction mode: Classroom; , 3 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13757 001 IND, instruction mode: Independent/Directed Studies, 1-24 cr

8990 Topics in Mathematics

(max crs 24; 4 repeats allowed; S-N only; prereq instr consent)
13699 001 IND, instruction mode: Classroom, 1-6 cr

8991 Independent Study

(max crs 24; 4 repeats allowed; prereq instr consent)
16911 001 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
17408 002 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
18062 003 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
18070 004 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
18076 005 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
18079 006 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
24766 007 IND, instruction mode: Classroom, 1-6 cr

8992 Directed Reading

(max crs 24; 6 repeats allowed; S-N only; prereq instr consent)
16912 001 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
17409 002 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
17432 003 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
17444 004 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
18784 005 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
24839 006 IND, instruction mode: Classroom; , 1-6 cr

8993 Directed Study

(max crs 24; 6 repeats allowed; S-N only; prereq instr consent)
16913 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr

17358 002 IND, instruction mode: Independent/Directed Studies, 1-6 cr
 17371 003 IND, instruction mode: Independent/Directed Studies, 1-6 cr
 17932 004 IND, instruction mode: Independent/Directed Studies, 1-6 cr
 18734 005 IND, instruction mode: Classroom, 1-6 cr
 19464 006 IND, instruction mode: Independent/Directed Studies, 1-6 cr
 19551 007 IND, instruction mode: Independent/Directed Studies, 1-6 cr

MATHEMATICS EDUCATION (MthE)

145 Peik Hall, 159 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-4006, <http://cehd.umn.edu/CI/Programs/MathEd/>

3101 Mathematics and Pedagogy for Elementary Teachers I

(A-F; prereq [College algebra, elementary FOE student, jr status or above] or instr consent)
 17255 001 LEC, 01:30pm-02:45pm MW, LES 139B, STPAUL, instruction mode: Classroom; Cramer, Kathleen Ann, 3 cr
 19935 002 LEC, 10:30am-11:45am MW, LES 139B, STPAUL, instruction mode: Classroom; , 3 cr

3102 Mathematics and Pedagogy for Elementary Teachers II

(A-F; prereq 3101, college algebra)
 18318 001 LEC, 08:45am-10:00am MW, LES 139B, STPAUL, instruction mode: Classroom; Wyberg, Terrence R, 3 cr

5021 Algebraic Structures in School Mathematics

(prereq Tchg exper or instr consent)
 11395 001 LEC, 08:00am-12:00pm MWF, . NORMREQD, STPAUL, instruction mode: Classroom; Wyberg, Terrence R, 3 cr

5100 Topics in Mathematics Education (max crs 12; 12 repeats allowed; prereq Ed or grad student)

32907 001 LEC, 08:00am-12:00pm TTh, . NORMREQD, instruction mode: Classroom, 1-6 cr

5314 Teaching and Learning Mathematics (prereq Math Ed or MEd or CI MEd or grad student or instr consent)

23802 I001 LEC, 04:40pm-07:20pm W, LES 139B, STPAUL, instruction mode: Classroom; Clarkson, Lesa M, 3 cr

5993 Directed Studies in Mathematics Education

(S-N only; prereq Math ed MEd student, instr consent)
 13196 001 IND, instruction mode: Independent/Directed Studies; Prereq Math ed MEd student, instructor consent.; Wyberg, Terrence R; Cramer, Kathleen Ann; Clarkson, Lesa M, 2 cr

8571 Research in Mathematics Education (prereq 5313, 8501)

25254 I001 LEC, 04:40pm-07:20pm Th, LES 139A, STPAUL, instruction mode: Classroom; Cramer, Kathleen Ann, 3 cr

8995 Problems: Mathematics Education (max crs 12; 12 repeats allowed; prereq MA or PhD educ major with math educ concentration)

11866 001 IND, instruction mode: Independent/Directed Studies; Cramer, Kathleen Ann, 1-6 cr

MECHANICAL ENGINEERING (ME)

125 Mechanical Engineering, 111 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-0705, <http://www.me.umn.edu>

2011 Introduction to Engineering (A-F only; prereq CSE lower div)

001 LEC, 02:30pm-04:25pm M, BelMus 100, instruction mode: Classroom; Durfee, William K
 14650 002 DIS, 02:30pm-04:25pm W, AmundH 124, instruction mode: Classroom; Durfee, William K, 4 cr

14651 003 DIS, 02:30pm-04:25pm W, Armory 202, instruction mode: Classroom; Durfee, William K, 4 cr
 14652 004 DIS, 02:30pm-04:25pm W, AkerH 313, instruction mode: Classroom; Durfee, William K, 4 cr
 14653 005 DIS, 02:30pm-04:25pm W, CookeH 206, instruction mode: Classroom; Durfee, William K, 4 cr
 14654 006 DIS, 02:30pm-04:25pm W, CookeH 215, instruction mode: Classroom; Durfee, William K, 4 cr
 14655 007 DIS, 02:30pm-04:25pm W, CookeH 214, instruction mode: Classroom; Durfee, William K, 4 cr
 14656 008 DIS, 02:30pm-04:25pm W, AkerH 215, instruction mode: Classroom; Durfee, William K, 4 cr
 24221 010 DIS, 08:00am-09:55am W, STSS 144, instruction mode: Classroom; Durfee, William K, 4 cr

3041 Industrial Assignment I

(A-F; prereq ME upper div, enrolled in ME co-op program)
 11574 001 FWK, instruction mode: Classroom; Kelso, Frank M, 2 cr

3221 Design and Manufacturing I: Engineering Materials and Manufacturing Processes

(A-F only; prereq 2011, AEM 3031, MatS 2001, ME upper div)
 001 LEC, 01:25pm-02:15pm MWF, STSS 220, instruction mode: Classroom; Klamecki, Barney Eugene
 11340 002 LAB, 02:30pm-04:25pm M, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 11341 003 LAB, 08:00am-09:55am T, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 11342 004 LAB, 10:10am-12:05pm T, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 11343 005 LAB, 12:20pm-02:15pm T, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 11344 006 LAB, 02:30pm-04:25pm T, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 11345 007 LAB, 08:00am-09:55am W, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 11346 008 LAB, 10:10am-12:05pm W, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 11347 009 LAB, 02:30pm-04:25pm W, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 11348 010 LAB, 08:00am-09:55am Th, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 13439 011 LAB, 10:10am-12:05pm Th, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 13440 012 LAB, 12:20pm-02:15pm Th, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 13681 013 LAB, 02:30pm-04:25pm Th, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 13682 014 LAB, 02:30pm-04:25pm F, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 21859 015 LAB, 08:00am-09:55am F, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 016 DIS, 08:00am-09:55am M, VinH 6, instruction mode: Classroom; Klamecki, Barney Eugene
 017 DIS, 10:10am-12:05pm M, FordH B10, instruction mode: Classroom; Klamecki, Barney Eugene
 1018 DIS, 04:40pm-06:35pm W, AkerH 225, instruction mode: Classroom
 1019 DIS, 04:40pm-06:35pm Th, AkerH 225, instruction mode: Classroom; Klamecki, Barney Eugene
 24472 020 LAB, 10:10am-12:05pm F, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 24614 I021 LAB, 04:40pm-06:35pm T, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr
 24615 I022 LAB, 04:40pm-06:35pm Th, MechE 70, instruction mode: Classroom; Klamecki, Barney Eugene, 4 cr

3222 Design and Manufacturing II

(A-F only; prereq [3221 or Concurrent registration is required (or allowed) in 3221], [CSci 1113 or equiv], ME upper div)
 001 LEC, 11:15am-12:05pm MWF, VinH 16, instruction mode: Classroom; Cui, Tianhong
 20769 002 DIS, 02:30pm-04:25pm T, MechE 321, instruction mode: Classroom; Cui, Tianhong, 4 cr
 20770 003 DIS, 12:20pm-02:15pm W, VinH 6, instruction mode: Classroom; Cui, Tianhong, 4 cr
 20771 004 DIS, 02:30pm-04:25pm Th, AkerH 225, instruction mode: Classroom; Cui, Tianhong, 4 cr

3281 System Dynamics and Control

(A-F only; prereq AEM 2021, [Math 2243 or Math 2373], ME upper div)
 001 LEC, 10:10am-11:00am MWF, VinH 16, instruction mode: Classroom; Dumitrica, Traian
 11350 002 DIS, 12:20pm-02:15pm T, MechE 18, instruction mode: Classroom; Dumitrica, Traian, 4 cr
 11351 003 DIS, 02:30pm-04:25pm T, Armory 202, instruction mode: Classroom; Dumitrica, Traian, 4 cr

3324 Introduction to Thermal Science

(A-F only; prereq Chem 1021, Math 2243, Phys 1301, [CSE student or COAFES pre-BAE major])
 14657 001 LEC, 12:20pm-01:10pm MWF, SmithH 331, instruction mode: Classroom; Sparrow, Ephraim M, 3 cr

3331 Thermal Sciences I

(A-F; prereq Chem 1021, Phys 1301, CSE student)
 003 LEC, 11:15am-12:05pm MWF, AkerH 225, instruction mode: Classroom; Garrick, Sean Clifford
 18568 004 DIS, 11:15am-12:05pm Th, MechE 321, instruction mode: Classroom; Garrick, Sean Clifford, 3 cr
 005 LEC, 08:00am-08:50am MWF, AkerH 225, instruction mode: Classroom; Aksan, Alptekin
 21164 006 DIS, 08:00am-08:50am Th, RapsonH 31, instruction mode: Classroom; Aksan, Alptekin, 3 cr

3332 Thermal Sciences II

(A-F; prereq Math 2243, 3331, ME upper div; credit will not be granted if credit already received for: ME 3322)
 001 LEC, 09:05am-09:55am MWF, RapsonH 31, instruction mode: Classroom; Dutcher, Cari Suzanne
 17233 002 DIS, 09:05am-09:55am Th, VinH 1, instruction mode: Classroom; Dutcher, Cari Suzanne, 3 cr
 22839 003 DIS, 10:10am-11:00am Th, VinH 1, instruction mode: Classroom; Dutcher, Cari Suzanne, 3 cr
 004 LEC, 09:05am-09:55am MWF, AkerH 225, instruction mode: Classroom; Hong, Jiarong
 26310 005 DIS, 09:05am-09:55am Th, VinH 206, instruction mode: Classroom; Hong, Jiarong, 3 cr
 26312 006 DIS, 10:10am-11:00am Th, MechE 321, instruction mode: Classroom; Hong, Jiarong, 3 cr

3333 Thermal Sciences III

(A-F; prereq 3332, ME upper div; credit will not be granted if credit already received for: ME 3322)
 001 LEC, 03:35pm-04:45pm MWF, NichH 35, instruction mode: Classroom; Simon, Terrence W
 20768 I002 DIS, 05:00pm-05:50pm W, MechE 18, instruction mode: Classroom; Simon, Terrence W, 3 cr

3990 Curricular Practical Training (max crs 2; S-N; prereq ME major)

26037 001 FWK, instruction mode: Independent/Directed Studies, 1 cr

4031W Basic Mechanical Measurements Laboratory

(A-F only; prereq IE 4521, upper div ME; meets CLE req of Writing Intensive)
 001 LEC, 08:15am-09:30am TTh, VinH 16, instruction mode: Classroom; McMurry, Peter H
 13150 002 LAB, 10:10am-01:10pm M, . LAB-TBA, 10:10am-01:10pm M, . LAB-TBA, instruction mode: Classroom, 4 cr
 14633 003 LAB, 10:10am-01:10pm T, . LAB-TBA, 10:10am-01:10pm T, . LAB-TBA, instruction mode: Classroom; McMurry, Peter H, 4 cr
 14634 004 LAB, 10:10am-01:10pm W, . LAB-TBA, 10:10am-01:10pm W, . LAB-TBA, instruction mode: Classroom, 4 cr
 14635 005 LAB, 10:10am-01:10pm Th, . LAB-TBA, 10:10am-01:10pm Th, . LAB-TBA, instruction mode: Classroom; McMurry, Peter H, 4 cr
 14636 006 LAB, 10:10am-01:10pm F, . LAB-TBA, 10:10am-01:10pm F, . LAB-TBA, instruction mode: Classroom; McMurry, Peter H, 4 cr
 14637 007 LAB, 01:25pm-04:25pm M, . LAB-TBA, 01:25pm-04:25pm M, . LAB-TBA, instruction mode: Classroom, 4 cr
 14638 008 LAB, 01:25pm-04:25pm T, . LAB-TBA, 01:25pm-04:25pm T, . LAB-TBA, instruction mode: Classroom; McMurry, Peter H, 4 cr
 14639 009 LAB, 01:25pm-04:25pm W, . LAB-TBA, 01:25pm-04:25pm W, . LAB-TBA, instruction mode: Classroom, 4 cr
 14640 010 LAB, 01:25pm-04:25pm Th, . LAB-TBA, 01:25pm-04:25pm Th, . LAB-TBA, instruction mode: Classroom; McMurry, Peter H, 4 cr
 14641 011 LAB, 01:25pm-04:25pm F, . LAB-TBA, 01:25pm-04:25pm F, . LAB-TBA, instruction mode: Classroom; McMurry, Peter H, 4 cr
 14642 I012 LAB, 04:40pm-07:40pm M, . LAB-TBA, 04:40pm-07:40pm M, . LAB-TBA, instruction mode: Classroom; McMurry, Peter H, 4 cr
 14643 I013 LAB, 04:40pm-07:40pm T, . LAB-TBA, 04:40pm-07:40pm T, . LAB-TBA, instruction mode: Classroom; McMurry, Peter H, 4 cr
 14644 I014 LAB, 04:40pm-07:40pm W, . LAB-TBA, 04:40pm-07:40pm W, . LAB-TBA, instruction mode: Classroom, 4 cr
 14645 I015 LAB, 04:40pm-07:40pm Th, . LAB-TBA, 04:40pm-07:40pm Th, . LAB-TBA, instruction mode: Classroom; McMurry, Peter H, 4 cr
 20111 I016 LAB, 07:00am-09:55am W, . LAB-TBA, 07:00pm-09:55pm W, . LAB-TBA, instruction mode: Classroom, 4 cr

20903 I017 LAB, 07:00am-09:55am F, . LAB-TBA, 07:00pm-09:55pm F, . LAB-TBA, instruction mode: Classroom, 4 cr

21941 I018 LAB, 07:00am-09:55am M, . LAB-TBA, 07:00pm-09:55pm M, . LAB-TBA, instruction mode: Classroom, 4 cr

21942 I019 LAB, 04:40pm-07:40pm F, . LAB-TBA, 04:40pm-07:40pm F, . LAB-TBA, instruction mode: Classroom, 4 cr

4043W Industrial Assignment II

(A-F; prereq 3041; meets CLE req of Writing Intensive)
11575 001 FWK, instruction mode: Classroom; Kelso, Frank M, 4 cr

4044 Industrial Assignment III

(A-F; prereq ME upper div, registration in ME co-op program)
17958 001 FWK, instruction mode: Classroom; Kelso, Frank M, 2 cr

4054W Design Projects

(A-F only; prereq 2011, 3221, 3222, 3281, 3331, 3332, 3333, 4031W, AEM 2021, AEM 3031, EE 3005, ME upper div; meets CLE req of Writing Intensive)
001 LEC, 01:25pm-02:15pm TTh, STSS 412, instruction mode: Classroom; Chase, Thomas Richard
11394 002 DIS, 02:30pm-05:30pm TTh, STSS 412, instruction mode: Classroom; Chase, Thomas Richard; Nigon, Daniel Edward, 4 cr

4080 Topics in Mechanical Engineering

(max crs 8; prereq ME upper div)
19340 001 LEC, 01:25pm-03:20pm MW, Armory 116, instruction mode: Classroom; Topic prereq - AEM 2021, AEM 3031, 3333, 3281, 3222; Bischof, John C; Li, Perry Y, 1-4 cr

4081H Mechanical Engineering Honors

Thesis I
(A-F only; prereq ME upper div honors student, instr consent; meets HON req of Honors)
13180 001 IND, instruction mode: Classroom; Hubel, Allison; Northrop, William; Sparrow, Ephraim M; Rajamani, Rajesh; Kowalewski, Timothy Mariusz, 2 cr

4082H Mechanical Engineering Honors

Thesis II
(A-F only; prereq ME upper div honors student, instr consent; meets CLE req of Writing Intensive; meets HON req of Honors)
13181 001 IND, instruction mode: Classroom; Van De Ven, James Donald; Durfee, William K; Rajamani, Rajesh, 2 cr

4090 Advanced Engineering Problems

(max crs 4; prereq ME upper div, instr consent)
13142 001 IND, instruction mode: Classroom; Dutcher, Cari Suzanne; Durfee, William K; Kowalewski, Timothy Mariusz; Hubel, Allison; Hogan, Chris, 1-4 cr
17732 002 IND, instruction mode: Classroom, 1-4 cr

4131W Thermal Environmental Engineering Laboratory

(A-F only; prereq 3332, 3333, 4031W, [ME upper div or grad student]; meets CLE req of Writing Intensive)
001 LEC, 11:15am-12:05pm T, MechE 321, instruction mode: Classroom; Kuehn, Thomas Howard
22736 002 LAB, 11:15am-02:15pm W, MechE 362, instruction mode: Classroom; Kuehn, Thomas Howard, 4 cr
22735 003 LAB, 09:05am-12:05pm Th, MechE 362, instruction mode: Classroom; Kuehn, Thomas Howard, 4 cr
22734 004 LAB, 09:05am-12:05pm F, MechE 362, instruction mode: Classroom; Kuehn, Thomas Howard, 4 cr
22733 005 LAB, 12:20pm-03:20pm F, MechE 362, instruction mode: Classroom; Kuehn, Thomas Howard, 4 cr
22737 006 LAB, 08:00am-11:00am W, MechE 362, instruction mode: Classroom; Kuehn, Thomas Howard, 4 cr

4231 Motion Control Laboratory

(A-F only; prereq 3281, 4031W, ME upper div)
001 LEC, 09:05am-11:00am M, MechE 212, instruction mode: Classroom; Rajamani, Rajesh
11353 002 LAB, 09:05am-12:05pm T, . LAB-TBA, instruction mode: Classroom; Rajamani, Rajesh, 4 cr
11354 003 LAB, 09:05am-12:05pm W, . LAB-TBA, instruction mode: Classroom; Rajamani, Rajesh, 4 cr
11355 004 LAB, 02:30pm-05:20pm W, . LAB-TBA, instruction mode: Classroom; Rajamani, Rajesh, 4 cr
11356 005 LAB, 09:05am-12:05pm Th, . LAB-TBA, instruction mode: Classroom; Rajamani, Rajesh, 4 cr
11357 006 LAB, 09:05am-12:05pm F, . LAB-TBA, instruction mode: Classroom; Rajamani, Rajesh, 4 cr
11358 007 LAB, 02:30pm-05:30pm F, . LAB-TBA, instruction mode: Classroom; Rajamani, Rajesh, 4 cr

4232 Fluid Power Control Lab

(A-F only; prereq 3281, 4031W, ME upper div)
001 LEC, 11:15am-01:10pm F, STSS 117, instruction mode: Classroom; Stelson, Kim A
19178 002 LAB, 09:05am-11:00am TTh, . LAB-TBA, instruction mode: Classroom; Stelson, Kim A, 4 cr
13499 003 LAB, 11:15am-01:10pm TTh, . LAB-TBA, instruction mode: Classroom; Stelson, Kim A, 4 cr
19179 004 LAB, 12:20pm-02:15pm MW, . LAB-TBA, instruction mode: Classroom; Stelson, Kim A, 4 cr
13500 005 LAB, 02:30pm-04:20pm MW, . LAB-TBA, instruction mode: Classroom; Stelson, Kim A, 4 cr
13501 006 LAB, 10:10am-12:05pm MW, . LAB-TBA, instruction mode: Classroom; Stelson, Kim A, 4 cr

4331 Thermal Energy Engineering Laboratory

(A-F only; prereq [3331, 3332, 3333, 4031W], [ME upper div or grad student])
001 LEC, 12:20pm-01:10pm TTh, MechE 321, instruction mode: Classroom; Goldstein, Richard J
13305 002 LAB, 01:25pm-04:25pm M, MechE 260, instruction mode: Classroom; Goldstein, Richard J, 4 cr
13306 003 LAB, 09:05am-12:05pm T, MechE 260, instruction mode: Classroom; Goldstein, Richard J, 4 cr
13307 004 LAB, 01:25pm-04:25pm W, MechE 260, instruction mode: Classroom; Goldstein, Richard J, 4 cr
14522 005 LAB, 09:05am-12:05pm Th, MechE 260, instruction mode: Classroom; Goldstein, Richard J, 4 cr
24060 I006 LAB, 04:40pm-07:40pm M, MechE 260, instruction mode: Classroom; Goldstein, Richard J, 4 cr
24062 007 LAB, 09:05am-12:05pm M, MechE 260, instruction mode: Classroom; Goldstein, Richard J, 4 cr

5101 Vapor Cycle Systems

(A-F only; prereq CSE upper div or grad student)
26192 001 LEC, instruction mode: Classroom, 4 cr

5103 Thermal Environmental Engineering

(A-F only; prereq 3331 or 3332, 3333, CSE upper div or grad)
34957 001 LEC, 09:05am-09:55am MWThF, MechE 321, instruction mode: Classroom, 4 cr

5113 Aerosol/Particle Engineering

(A-F only; prereq CSE upper div or grad student)
19134 001 LEC, 10:10am-12:05pm MW, VinH 311, instruction mode: Classroom; Hogan, Chris, 4 cr

5223 Materials in Design

(prereq 3221, ME upper division or grad student)
34958 001 LEC, 11:15am-01:10pm MW, MechE 221, instruction mode: Classroom, 4 cr

5228 Introduction to Finite Element Modeling, Analysis, and Design

(A-F only; prereq CSE upper div or grad, 3221, AEM 3031, CSci 1113, MatS 2001)
11363 001 LEC, 03:35pm-05:30pm WF, RapsonH 31, instruction mode: Classroom; Tamma, Kumar K, 4 cr

5243 Advanced Mechanism Design

(A-F only; prereq CSE upper div or grad, 3222 or equiv, basic kinematics and dynamics of machines; knowledge of CAD packages such as Pro-E recommended)
24063 001 LEC, 11:15am-12:05pm MWF, MechE 212, instruction mode: Classroom; Sezen, Ahmet Serdar, 4 cr
24239 883 LEC, 11:15am-12:05pm MWF, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING.; Sezen, Ahmet Serdar, 4 cr

5281 Analog and Digital Control

(prereq 3281)
17238 001 LEC, 12:20pm-02:15pm MW, KHKH 3-115, instruction mode: Classroom; Kowalewski, Timothy Mariusz, 4 cr
26782 883 LEC, 12:20pm-02:15pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED

THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Kowalewski, Timothy Mariusz, 4 cr

5312 Solar Thermal Technologies

(A-F only; prereq [3333, CSE upper Div] or grad student)
26024 001 LEC, instruction mode: Classroom, 4 cr

5344 Thermodynamics of Fluid Flow With Applications

(A-F only; prereq 3333, CSE upper div or grad student)
19325 001 LEC, 02:30pm-03:20pm MWF, RapsonH 45, instruction mode: Classroom; Shen, Lian, 4 cr

5446 Introduction to Combustion

(A-F only; prereq 3331, 3332, 3333, CSE upper div or grad student)
19398 001 LEC, 02:30pm-03:20pm MWF, RapsonH 31, instruction mode: Classroom; Northrop, William, 4 cr

5462 Gas Turbines

(A-F only; prereq 3331, 3332, 3333, CSE upper div or grad student)
34959 001 LEC, 01:25pm-02:15pm MWThF, AmundH 240, instruction mode: Classroom, 4 cr

5666 Modern Thermodynamics

(A-F; prereq 3331 or equiv)
34960 001 LEC, 11:15am-01:10pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom, 4 cr

8001 Research Ethics and Professional Practice

(NGA)
23284 001 DIS, 04:00pm-05:30pm W, STSS 330, 04:00pm-05:30pm W, . ROOM-TBA, instruction mode: Classroom; Kortshagen, Uwe Richard, 0 cr

8221 New Product Design and Business Development I

(Credit will not be granted if credit has been received for: ENTR 6087, ENTR 6041, BMEN 8401, ENTR 6042; A-F only; prereq CSE grad student, some design experience)
11714 I001 LEC, 05:00pm-08:20pm W, HMH 1-107, instruction mode: Classroom; Meets with: 13655 BMEN 8401, 13496 ENTR 6041, 4 cr

8243 Topics in Design

(max crs 12; 3 repeats allowed; A-F only)
34961 001 LEC, 01:25pm-03:20pm MW, RapsonH 54, instruction mode: Classroom, 4 cr

8287 Topics in Dynamics and Control

(max crs 12; 3 repeats allowed; A-F only; prereq 5281)
26013 001 LEC, 09:05am-10:25am TTh, . NONSTD-TBA, instruction mode: Classroom; Sun, Zongxuan, 2-4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
13990 001 IND, instruction mode: Classroom, 1 cr

8341 Conduction

(A-F only; prereq Undergrad class in heat transfer or instr consent)
11762 001 LEC, 10:10am-12:05pm MW, AkerH 327, instruction mode: Classroom; Kulacki, Francis Alfred, 3 cr

8345 Computational Heat Transfer and Fluid Flow

(prereq CSE grad student)
34962 001 LEC, 02:30pm-03:45pm TTh, STSS 121, instruction mode: Classroom, 3 cr

8361 Molecular Gas Dynamics

(Credit will not be granted if credit has been received for: AEM 8231; A-F only; prereq CSE grad student)
16720 001 LEC, 11:15am-12:30pm TTh, AkerH 225, instruction mode: Classroom; Girshick, Steven L, 3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14123 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14243 001 IND, instruction mode: Classroom, 1-6 cr

8772 Advanced Transportation Technologies Seminar

(Credit will not be granted if credit has been received for: CEGE 8213; S-N only)

15308 001 LEC, 03:00pm-04:00pm Th, . NONSTD-TBA, instruction mode: Classroom; Donath, Max, 1 cr

8773 Graduate Seminar

(S-N only; prereq CSE grad student)

11654 001 LEC, 03:35pm-04:25pm W, SmithH 231, instruction mode: Classroom; Meets with: 11655 ME 8774; Dumitrica, Traian, 1 cr

8774 Graduate Seminar

(S-N only; prereq 8773)

11655 001 LEC, 03:35pm-04:25pm W, SmithH 231, instruction mode: Classroom; Meets with: 11654 ME 8773; Dumitrica, Traian, 1 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14326 001 IND, instruction mode: Classroom, 1-18 cr

8794 Mechanical Engineering Research

(max crs 4; 4 repeats allowed; S-N; prereq instr consent)

11661 001 IND, instruction mode: Classroom; Sparrow, Ephraim M; Kuehn, Thomas Howard; Li, Perry Y, 1-4 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13760 001 IND, instruction mode: Classroom, 1-24 cr

8990 Curricular Practical Training

(max crs 6; 3 repeats allowed; S-N)

21911 001 IND, instruction mode: Classroom, 1-2 cr

MEDICAL DEVICE INNOVATION (MDI)

5004 Clinical Foundations of Medical Device Innovation

(A-F; prereq MDI grad student)

26660 001 LEC, instruction mode: Classroom; Class meets in departmental space 235 McNamara Alumni Center, Monday and Wednesdays, 5:30 to 9:30 pm.; Mooradian, Daniel Lee, 3 cr

5012 Medical Industry Macro Environment

(A-F; prereq MDI grad student)

26661 001 LEC, instruction mode: Classroom; Class meets in departmental space 235 McNamara Alumni Center, Monday and Wednesdays, 5:30 to 9:30 pm.; Mooradian, Daniel Lee, 3 cr

5014 Medical Device Center Practicum II

(A-F; prereq Grad MDI student)

26662 001 LEC, instruction mode: Classroom; Class meets in Medical Devices Center on Fridays from 8:30 am to 4:30 pm.; Hale, Joseph Eugene; Arcand, Ben, 2 cr

MEDICAL INDUSTRY LEADERSHIP INSTITUTE (MILI)

4-145 Carlson School of Management,
321-19th Ave S, West Bank Campus,
Minneapolis, MN, 55455
612/624-1532, <http://www.csom.umn.edu/mili>

5995 Medical Industry Valuation

Laboratory

(A-F; prereq instr consent)

20016 1001 LEC, 05:45pm-07:30pm Th, CarlSMgmt L-127, instruction mode: Classroom; Students required to attend full day orientation on Saturday, September 12, 2015, 9:00am-5:00pm. Location TBA. Instructor permission required; Meets with: 19168 MILI 6995, 20868 MILI 6996; Nelson, Randall Stephen; Finch, Michael David; Hertzberg, Jeffrey K, 2 cr

5999 Independent Study

(max crs 16; A-F)

20017 001 IND, instruction mode: Classroom, 1-8 cr

6562 Information Technology in Health

Care

(prereq MBA student)

17372 1060 LEC, 05:45pm-09:05pm T, HMH 1-106, 10/27/15-12/16/15, instruction mode: Classroom; 15 seats reserved for PTMBA student; 5 seats reserved for MBA day student; Meets with: 14662 PUBH 6562, 2 cr

6726 Medical Device Industry: Business and Public Policy

(A-F)

21360 1060 LEC, 05:45pm-08:15pm W, CarlSMgmt 2-224, instruction mode: Classroom; 15 seats reserved for PTMBA student; 10 seats reserved for MBA day student, 3 cr

6992 Healthcare Delivery

Innovations:Optimizing Cost and Quality

(A-F)

23100 1060 LEC, 05:45pm-09:05pm M, HMH 1-105, 10/27/15-12/16/15, instruction mode: Classroom; 10 seats reserved for MBA day student; 38 seats reserved for PTMBA student, 2 cr

6995 Medical Industry Valuation

Laboratory

(max crs 6; 3 repeats allowed; A-F; prereq Grad student)

19168 1060 LEC, 05:45pm-07:30pm Th, CarlSMgmt L-127, instruction mode: Classroom; Students required to attend full day orientation on Saturday, September 12, 2015, 9:00am-5:00pm. Location TBA; 16 seats reserved for PTMBA student; 6 seats reserved for MBA day student; Meets with: 20016 MILI 5995, 20868 MILI 6996; Nelson, Randall Stephen; Finch, Michael David; Hertzberg, Jeffrey K, 2 cr

6996 Medical Industry Valuation

Laboratory II

(max crs 10; 3 repeats allowed; A-F; prereq Approved application)

20868 1001 LEC, 05:45pm-07:30pm Th, CarlSMgmt L-127, instruction mode: Classroom; Students required to attend full day orientation on Saturday, September 6, 2014, 9:00am-5:00pm. Location TBA; 4 seats reserved for MBA day student; Meets with: 19168 MILI 6995, 20016 MILI 5995; Nelson, Randall Stephen; Finch, Michael David; Hertzberg, Jeffrey K, 2-4 cr

6999 Independent Study

(max crs 16; A-F)

17964 001 IND, instruction mode: Independent/Directed Studies, 1-8 cr

MEDICAL LABORATORY SCIENCES PROGRAM (MLSP)

15-194 Phillips Wangenstein Bldg (MMC 711), 420 Delaware St SE, East Bank Campus, Minneapolis, MN, 55455
877/334-2659, <http://www.cls.umn.edu/>

1010 Introduction to Medical Laboratory Science

(S-N)

26203 001 LEC, instruction mode: Correspondence; Romain, Charlotte Ann, 1 cr

26204 002 LEC, instruction mode: Correspondence; Romain, Charlotte Ann, 1 cr

5013 Scholarly Inquiry and Analysis in Medical Laboratory Sciences

(A-F; prereq Admission into MLS program or instr consent)

25617 001 LEC, instruction mode: Correspondence; Romain, Charlotte Ann, 1 cr

25618 002 LEC, instruction mode: Correspondence; Romain, Charlotte Ann, 1 cr

5014W Laboratory Operations and Management in Health Care Systems

(A-F; prereq Admission into MLS program or instr consent; meets CLE req of Writing Intensive)

34646 001 LEC, instruction mode: Correspondence;

Spannaus-Martin, Donna J, 2 cr

34647 002 LEC, instruction mode: Correspondence;

Spannaus-Martin, Donna J, 2 cr

5111 Concepts of Diagnostic Microbiology

(A-F; prereq [MICB 3301 or equivalent], [BIOC 3021 Biochemistry or equivalent] or instr consent)

25620 001 LEC, 09:05am-10:20am MW, Room TBA, TCEASTBANK, instruction mode: Partially Online; Ruskin, Lorna Marie, 3 cr

25621 002 LEC, 09:05am-10:20am MW, USq 398, ROCHESTER, instruction mode: Partially Online; Ruskin, Lorna Marie, 3 cr

5112 Application of Diagnostic Microbiology Principles

(A-F; prereq Admission to MLS program)

25624 001 LAB, 01:00pm-04:00pm TTh, MCB 3-150, instruction mode: Classroom; Ruskin, Lorna Marie, 2 cr

25625 002 LAB, 01:00pm-04:00pm TTh, USq 422, ROCHESTER, instruction mode: Classroom; Ruskin, Lorna Marie, 2 cr

5211 Fundamentals in Hematology & Hemostasis

(A-F; prereq PHSL 3051 or instr consent)

25629 001 LEC, 10:40am-12:05pm MW, Room TBA, TCEASTBANK, instruction mode: Partially Online; Wiesner, Stephen Michael, 3 cr

25630 002 LEC, 10:40am-12:05pm MW, USq 398, ROCHESTER, instruction mode: Partially Online; Wiesner, Stephen Michael, 3 cr

5212 Application of Hematology & Hemostasis Principles

(A-F; prereq Concurrent registration is required (or allowed) in 5211 and admission to MLS program)

25635 001 LAB, 09:00am-12:00pm T, MCB 3-150, instruction mode: Classroom; Wiesner, Stephen Michael, 1 cr

25636 002 LAB, 09:00am-12:00pm T, USq 422, ROCHESTER, instruction mode: Classroom; Wiesner, Stephen Michael, 1 cr

5312 Body Fluid Analysis

(A-F; prereq 8 credits General Chemistry, 6 credits Organic Chemistry, 3 credits Biochemistry, Successful completion of 5311 with grade of C or higher)

001 LEC, 09:05am-09:55am Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Spannaus-Martin, Donna J

25640 002 LAB, 10:10am-12:05pm Th, MCB 3-150, instruction mode: Classroom; Spannaus-Martin, Donna J, 2 cr

003 LEC, 09:05am-09:55am Th, USq 398, ROCHESTER, instruction mode: Classroom; Spannaus-Martin, Donna J

25642 004 LAB, 10:10am-12:05pm Th, USq 422, ROCHESTER, instruction mode: Classroom; Spannaus-Martin, Donna J, 2 cr

5511 Principles of Immunobiology

(A-F; prereq PHSL 3051 or instr consent)

25643 001 LEC, 01:25pm-02:50pm MW, Room TBA, TCEASTBANK, instruction mode: Classroom; Wiesner, Stephen Michael, 3 cr

25644 002 LEC, 01:25pm-02:50pm MW, USq 398, ROCHESTER, instruction mode: Classroom; Wiesner, Stephen Michael, 3 cr

5701 Clinical Experience in Microbiology

(S-N; prereq Advanced standing in MLS program)

34648 001 ROT, 08/07/15-06/15/16, instruction mode: Independent/Directed Studies, 2 cr

34649 002 ROT, instruction mode: Independent/Directed Studies, 2 cr

5702 Clinical Experience in Hematology and Hemostasis

(S-N; prereq Advanced standing in MLS program)

34652 001 ROT, 08/07/15-06/15/16, instruction mode: Independent/Directed Studies, 2 cr

34653 002 ROT, 08/07/15-06/15/16, instruction mode: Independent/Directed Studies, 2 cr

5703 Clinical Experience in Clinical Chemistry and Urinalysis

(S-N; prereq Advanced standing in MLS program)

34650 001 ROT, 08/07/15-06/15/16, instruction mode: Independent/Directed Studies, 2 cr

34651 002 ROT, 08/07/15-06/15/16, instruction mode:
Independent/Directed Studies, 2 cr

5704 Clinical Experience in Transfusion Medicine

(S-N; prereq Advanced standing in MLS program)
34657 001 ROT, 08/07/15-06/15/16, instruction mode:
Independent/Directed Studies, 2 cr
34658 002 ROT, 08/07/15-06/15/16, instruction mode:
Independent/Directed Studies, 2 cr

MEDICAL PHYSICS (MPhy)

B272 Mayo Memorial Building, 420 Delaware
St SE, East Bank Campus, Minneapolis, MN,
55455
612/626-6638

5138 Research Seminar

(max crs 5; S-N only)
26665 001 LEC, 12:20pm-01:10pm F, Mayo B216, instruction
mode: Classroom; Gerbi PhD, Bruce J; Hui PhD, Susanta
Kumar, 1-5 cr

5170 Basic Radiological Physics

(Credit will not be granted if credit has been received
for: TRAD 7170; prereq instr consent)
26850 001 LEC, 04:00pm-05:15pm TTh, NORMREQD,
instruction mode: Classroom; Watanabe PhD, Yoichi;
Johnson MS, Jane M; Hui PhD, Susanta Kumar, 3 cr

5171 Medical and Health Physics of Imaging I

(Credit will not be granted if credit has been received
for: TRAD 7171; prereq 5170 or instr consent)
12019 001 LEC, 03:00pm-04:15pm TTh, Mayo B216,
instruction mode: Classroom; Ritenour, Russell; Zhang, Jie,
3 cr

5172 Radiation Biology

(Credit will not be granted if credit has been received
for: TRAD 7172; prereq 5170 or instr consent)
23018 001 LEC, 04:00pm-05:15pm M, Room TBA,
TCEASTBANK, 07:30am-08:45am Th, Room TBA,
TCEASTBANK, instruction mode: Classroom; Yuan MD,
PhD, Jianling, 3 cr

8149 Advanced Topics in Radiation Therapy Physics

(A-F; prereq [5170, 5173] or instr consent)
20169 001 LEC, 04:00pm-05:15pm MW, Room TBA,
TCEASTBANK, instruction mode: Classroom; Higgins,
Patrick Dennis; Gerbi PhD, Bruce J, 2 cr

8293 Directed Study in Biophysical Sciences and Medical Physics

(max crs 12; prereq instr consent)
12020 001 IND, instruction mode: Classroom; Ritenour,
Russell, 1-12 cr

8294 Directed Research in Biophysical Sciences and Medical Physics

(max crs 12; prereq instr consent)
12021 001 IND, instruction mode: Classroom; Ritenour,
Russell, 1-12 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS
consent)
13949 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS
consent)
14085 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has
not passed prelim oral; no required consent for 1st/2nd
registrations, up to 12 combined cr; dept consent for
3rd/4th registrations, up to 24 combined cr; doctoral
student admitted before summer 2007 may register up
to four times, up to 60 combined cr)
14203 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18
cr per semester or summer; 10 cr total required [Plan
A only])
14291 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18
cr per semester or summer; 24 cr required)
13723 001 IND, instruction mode: Classroom, 1-24 cr

MEDICINAL CHEMISTRY (MedC)

8-101 Weaver-Densford Hall, 308 Harvard
Street SE, East Bank Campus, Minneapolis,
MN, 55455
612/624-9919, [http://
www.pharmacy.umn.edu/resgrad/medchem](http://www.pharmacy.umn.edu/resgrad/medchem)

5245 Introduction to Drug Design

(Credit will not be granted if credit has been received
for: PHAR 6245, CHEM 5245; A-F only; prereq Chem)
32572 001 LEC, 11:15am-12:30pm TTh, SmithH 111,
instruction mode: Classroom; Meets with: 34326 CHEM
5245; Amin, Elizabeth Ambrose, 3 cr

5495 Vistas in Medicinal Chemistry Research

(S-N only)
12298 001 LEC, 04:00pm-06:00pm MW, Room TBA,
TCEASTBANK, instruction mode: Classroom; Aldrich,
Courtney; Ferguson, David M, 1 cr

8001 General Principles of Medicinal Chemistry

(A-F only; prereq Med chem grad student or instr
consent)
22073 001 LEC, 12:20pm-02:15pm TTh, Room TBA,
TCEASTBANK, instruction mode: Classroom; Finzel, Barry
C.; Haskell-Luevano, Carrie, 3 cr

8050 Physical and Mechanistic Organic Chemistry

(A-F; prereq First-year Medicinal Chemistry grad
students or by permission.)
23131 001 LEC, 02:30pm-04:25pm F, Room TBA,
TCEASTBANK, instruction mode: Classroom; Harki, Daniel
A, 2 cr

8100 Medicinal Chemistry Seminar

(max crs 6; 6 repeats allowed; A-F; prereq Grad major
or instr consent)
11094 001 LEC, 03:30pm-05:00pm T, MoosT 2-520,
instruction mode: Classroom; Meets with: 13201 PHAR
6150; Haskell-Luevano, Carrie, 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS
consent)
13991 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS
consent)
14124 001 IND, instruction mode: Classroom, 1 cr

8500 Design of Chemotherapeutic Agents

(A-F only; prereq 5600 or instr consent)
34866 001 LEC, instruction mode: Classroom, 2 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18
cr per semester or summer; 10 cr total required [Plan
A only])
14327 001 IND, instruction mode: Classroom; Ferguson,
David M, 1-18 cr

8800 Medicinal Chemistry Laboratory Techniques

(max crs 4; 4 repeats allowed; S-N only; prereq Grad
med chem major or instr consent)
12295 001 LAB, instruction mode: Classroom; Ferguson,
David M, 1-2 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18
cr per semester or summer; 24 cr required)
13761 001 IND, instruction mode: Classroom; Ferguson,
David M, 1-24 cr

8900 Research in Medicinal Chemistry

(max crs 8; 8 repeats allowed; A-F only; prereq Grad
med chem major or instr consent)
12297 001 LAB, instruction mode: Classroom; Ferguson,
David M, 1-4 cr

MEDICINE (MED)

14-110 Phillips Wangensteen Building, 516
Delaware Street SE, East Bank Campus,
Minneapolis, MN, 55455
612/625-7140, <http://www.med.umn.edu>

7500 Medicine Externship I (HNV)

12427 001 FWK, 08:00am-11:00am Th, Room TBA,
TCEASTBANK, 08/03/15-12/23/15, 08:00am-11:00am
Th, Room TBA, TCEASTBANK, 08/03/15-12/23/15,
08:00am-11:00am T, Room TBA, TCEASTBANK, 08/03/
15-12/23/15, instruction mode: Classroom; Duffy, Briar
Leigh, 6 cr

7501 Medicine Externship II (HNV; prereq 7500)

12428 001 FWK, 12:15pm-01:15pm W, Room TBA,
TCEASTBANK, 08/03/15-12/23/15, 12:00pm-01:30pm
M, Room TBA, TCEASTBANK, 08/03/15-12/23/15,
12:15pm-01:15pm T, Room TBA, TCEASTBANK, 08/03/
15-12/23/15, instruction mode: Classroom, 6 cr

7505 Infectious Disease Research (max crs 6; HNV)

12429 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7509 Research in Immunology--Rheumatology (max crs 15; HNV)

12431 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr

7511 Research in Gastroenterology (max crs 15; HNV)

12439 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr

7512 Research in Hematology (max crs 8; HNV)

12432 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 2-8 cr

7518 Research in Diabetes and Endocrinology (HNV)

12433 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 6 cr

7521 Infectious Disease, Clinical Aspects (max crs 4; HNV; prereq 7500)

12434 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3-4 cr

7522 Medical Gastroenterology (max crs 6; HNV)

12435 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7523 Medical Diabetes, Endocrinology, and Metabolism (max crs 4; HNV)

12436 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-4 cr

7524 Cardiovascular Medicine (max crs 6; HNV; prereq One med clin clkshp)

12453 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7525 Cardiovascular Medicine (max crs 6; HNV; prereq One med clin clkshp)

12437 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom, 4-6 cr

7526 Medical Oncology Consultation (max crs 6; HNV; prereq 7500)

12438 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7528 Clinical Hematology (max crs 6; HNV)

12440 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3-6 cr

7530 Cardiology Research Elective (max crs 16; H-N)

22012 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 2-8 cr

**7531 Clinical Outpatient and Consultative
Rheumatology**
(max crs 6; HNV)

12441 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7532 Pulmonary Disease
(max crs 4; HNV)

12442 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3-4 cr

7533 Clinical Allergy
(max crs 6; HNV)

12443 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3-6 cr

7534 Research in Allergy
(HNV)

12444 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 6 cr

7548 Clinical Genetics
(HNV)

12445 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 6 cr

**7554 Fluid Electrolyte Acid-Base
Metabolism**

(HNV; prereq 7500 or instr consent)
12446 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 4 cr

7556 Renal Consultation
(max crs 4; HNV; prereq 7500)

12447 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-4 cr

7561 Outpatient and Clinical Nephrology
(HNV; prereq 7500)

12454 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom; Abraham, Paul Allen, 4 cr

7562 Clinical Nephrology
(max crs 4; HNV; prereq 7500)

12455 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3-4 cr

7573 Acute Care Internal Medicine
(max crs 4; HNV; prereq 7500, Med 7501)

12462 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-4 cr

7579 Critical Care/MICU
(HNV; prereq 7501 or instr consent)

12458 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 4 cr

**7582 Medical Intensive Care Unit--Regions
Medical Center**
(max crs 4; HNV)

12457 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom; Orlovski, Duane E, 3-4 cr

7583 Fundamentals of Clinical Oncology
(HNV; prereq 7500 or Ped 7501)

12459 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 4 cr

**7595 Musculoskeletal Problems in Primary
Care Practice**
(HNV; prereq 7500)

12463 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3 cr

7596 Occupational Health
(max crs 6; HNV)

12460 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3-6 cr

7598 Biomedical Ethics
(max crs 6; HNV)

12626 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7599 Bioethics Theory

(max crs 6; HNV; prereq Students must meet with
instructor prior to enrolling in course)

13231 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom, 3-6 cr

**7601 Research in Renal Diseases and
Hypertension**
(max crs 15; HNV)

13232 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr

7602 Advanced Physical Diagnosis
(4 repeats allowed; HNV; prereq Med sr)

14515 001 ROT, 08/06/15-01/28/16, instruction mode:
Classroom, 4 cr

**7603 Palliative Medicine at Hennepin
County Medical Center**
(max crs 4; H-N; prereq 7500)

24579 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 0-4 cr

7604 Hospitalist and Palliative Medicine
(max crs 4; HNV)

15847 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom, 3-4 cr

7607 In-Person Global Health Course
(max crs 8; H-N)

22014 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom, 1-4 cr

**7666 Medicine Pediatrics Ambulatory
Elective**

(max crs 8; HNV)
17307 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3-4 cr

**7700 Clerkship: Internal Medicine Primary
Care Selective**

(max crs 8; P-N; prereq [3rd or 4th yr] medical student)
19904 001 ROT, 09:00am-10:30am M, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, 08:30am-01:15pm
F, Room TBA, TCEASTBANK, 08/06/15-01/28/16,
09:00am-10:30am M, Room TBA, TCEASTBANK,
08/06/15-01/28/16, 08:30am-01:15pm F, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, 09:00am-10:30am
M, Room TBA, TCEASTBANK, 08/06/15-01/28/16,
08:30am-01:30pm F, Room TBA, TCEASTBANK, 08/
06/15-01/28/16, 09:00am-10:30am M, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, 08:30am-01:30pm
F, Room TBA, TCEASTBANK, 08/06/15-01/28/16,
09:00am-10:30am M, Room TBA, TCEASTBANK,
08/06/15-01/28/16, 08:30am-01:30pm F, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, instruction mode:
Classroom; Meets with: 20042 FMCH 7700, 19905 MED
7701, 19906 PED 7700; Kim, Michael Hyoung-son;
Beryman, Sally H; Pacala, James T; Hans, Danielle
Ginette; Cao, H. Peter, 4 cr

**7701 Clerkship: Medicine/Pediatrics
Primary Care Selective**

(max crs 8; P-N; prereq [3rd or 4th yr] medical student)
19905 001 ROT, 09:00am-10:30am M, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, 08:30am-01:15pm
F, Room TBA, TCEASTBANK, 08/06/15-01/28/16,
09:00am-10:30am M, Room TBA, TCEASTBANK,
08/06/15-01/28/16, 08:30am-01:15pm F, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, 09:00am-10:30am
M, Room TBA, TCEASTBANK, 08/06/15-01/28/16,
08:30am-01:30pm F, Room TBA, TCEASTBANK, 08/
06/15-01/28/16, 09:00am-10:30am M, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, 08:30am-01:30pm
F, Room TBA, TCEASTBANK, 08/06/15-01/28/16,
09:00am-10:30am M, Room TBA, TCEASTBANK,
08/06/15-01/28/16, 08:30am-01:30pm F, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, instruction mode:
Classroom; Meets with: 20042 FMCH 7700, 19904 MED
7700, 19906 PED 7700; Kim, Michael Hyoung-son;
Beryman, Sally H; Pacala, James T; Hans, Danielle
Ginette; Cao, H. Peter, 4 cr

MEDIEVAL STUDIES (MeSt)

1030 Heller Hall, 271-19th Ave S, West Bank
Campus, Minneapolis, MN, 55455
612/626-0805, <http://www.cmedst.umn.edu>

3610 Topics in Medieval Studies

(max crs 24; 8 repeats allowed)
34915 001 LEC, instruction mode: Classroom, 3-4 cr

3993 Directed Studies in Medieval Studies

(max crs 3; prereq Previous work in a medieval studies
discipline, instr consent)

17327 001 IND, instruction mode: Independent/Directed
Studies, 1-3 cr

5610 Advanced Topics in Medieval Studies
(max crs 15; 5 repeats allowed; prereq One yr work
in some area of Middle Ages, reading knowledge of
appropriate language, instr consent)

20624 001 LEC, 02:30pm-04:25pm T, HHCtr 389,
instruction mode: Classroom; Meets with: 16722 ANTH
8510, 18139 ANTH 5442; Wells, Peter S, 3-4 cr

5993 Directed Studies in Medieval Studies
(max crs 6; prereq One yr work in some area of Middle
Ages, reading knowledge of appropriate language,
instr consent)

11159 001 IND, instruction mode: Classroom, 1-3 cr

MICROBIAL ENGINEERING (MicE)

240 Gortner Lab, 1479 Gortner Ave, St Paul
Campus, St Paul, MN, 55108
612/624-6774, <http://www.bti.umn.edu>

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS
consent)

13992 001 IND, instruction mode: Classroom, 1 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18
cr per semester or summer; 10 cr total required [Plan
A only])

14328 001 IND, instruction mode: Classroom, 1-18 cr

8920 Teaching Practicum

(max crs 4; 4 repeats allowed; prereq Grad MicE major)

12269 001 FWK, instruction mode: Classroom; Broker,
Robert James, 1 cr

8990 Discovering Patterns in the

Microbiome

(max crs 6; prereq Prereq-First-yr MiCEstudents enroll
S-N, as they do not make a presentation. Second-yr
MiCE students enroll A-F, as they present a seminar;
fall, spring, every year). Student presentations of
thesis research and presentations by invited speakers
or designated lecturers.)

14702 001 LEC, 03:30pm-05:00pm Th, GorL 239, STPAUL,
instruction mode: Classroom; Ellis, Lynda B; Wackett,
Lawrence Philip; Sherman, David Howard; Sadowsky,
Michael Jay; Srienc, Friedrich, 1-3 cr

MICROBIOLOGY (MicB)

1460 Mayo (Box 196), 420 Delaware Street
SE, East Bank Campus, Minneapolis, MN,
55455
612/624-6190, <http://www.microbiology.med.umn.edu>

3301 Biology of Microorganisms

(Credit will not be granted if credit has been received
for: VBS 2032, BIOL 2032, MICB 2032, MICB 3303; A-
F only; prereq [BIOL 1002 or BIOL 1009 or BIOL 2003],
[CHEM 2301 or BIOC 2331])

001 LEC, 11:15am-12:30pm TTh, MCB 3-120, instruction
mode: Classroom; Meets with: 20773 MICB 3303; Mohr,
Christian D

11904 002 LAB, 09:05am-11:00am TTh, MoosT 2-252,
instruction mode: Classroom; 4 seats reserved for CBS
transfer students; 35 seats reserved for CBS Microbiology;
Mohr, Christian D, 5 cr

11905 003 LAB, 12:20pm-02:15pm WF, MoosT 2-252,
instruction mode: Classroom; 4 seats reserved for CBS
transfer students; 20 seats reserved for CBS Microbiology,
5 cr

3303 Biology of Microorganisms

(Credit will not be granted if credit has been received
for: MICB 3301, VBS 2032, BIOL 2032, MICB 2032; A-F;
prereq [BIOL 1002 or BIOL 1009 or BIOL 2003], [CHEM
2301 or BIOC 2331])

20773 001 LEC, 11:15am-12:30pm TTh, MCB 3-120,
instruction mode: Classroom; Meets with: 11903 MICB
3301; Mohr, Christian D, 3 cr

4111 Microbial Physiology and Diversity

(prereq [2022 or VPB 2022 or Biol 2032 or VPB 2032 or VBS 2032 or 3301 or Biol 3301], [BioC 3021 or Biol 3021 or BioC 4331])

11906 001 LEC, 10:15am-11:30am TTh, BioSci 64, STPAUL, instruction mode: Classroom; 30 seats reserved for CBS Microbiology; Bond, Daniel R; Gralnick, Jeffrey A, 3 cr

4131 Immunology

(Credit will not be granted if credit has been received for: VPM 4131; prereq [2022 or VPB 2022 or BIOL 2032 or VPB 2032 or VBS 2032 or 3301 or MicB 3301], [BIOC 3021 or BIOL 3021 or BIOC 4331])

17484 001 LEC, 02:30pm-03:20pm MWF, STSS 330, instruction mode: Classroom; Vezys, Vaiva, 3 cr

4161W Eukaryotic Microbiology

(A-F; prereq 3301, [GCD 3022 or Biol 4003]; meets CLE req of Writing Intensive)

17496 001 LEC, 01:25pm-02:15pm MWF, STSS 530A, instruction mode: Classroom; 16 seats reserved for CBS Microbiology; Davis, Dana, 3 cr

4215 Advanced Laboratory: Microbial Physiology and Diversity

(A-F only; prereq 3301 or Biol 2032 or VBS 2032 or intro microbiology course with lab)

17485 001 LAB, 12:20pm-03:20pm TTh, MoosT 2-262, instruction mode: Classroom; Priority to declared Microbiology majors (first) and minors (second). All interested CBS students (including Microbiology majors and minors) must get on the wait list. Department consent will be determined after consultation with CBS.; 1 seat reserved for CBS Microbiology; Armstrong, Sandra K, 3 cr

4225W Advanced Laboratory: Microbial Genetics

(A-F; prereq 3301, BIOL 4003; meets CLE req of Writing Intensive)

19888 001 LAB, 09:00am-12:00pm WF, MoosT 2-242, instruction mode: Classroom; Priority to declared Microbiology majors (first) and minors (second). All interested CBS students (including Microbiology majors and minors) must get on the wait list. Department consent will be determined after consultation with CBS.; Nielsen, Kirsten; Hunter PhD, Ryan C, 3 cr

4793W Directed Studies: Writing Intensive

(max crs 7; 7 repeats allowed; S-N only; prereq instr consent, dept consent; no more than 7 cr of [4793, 4794, 4993, 4994] may count toward major requirements; meets CLE req of Writing Intensive)

17486 001 IND, instruction mode: Classroom; Schiff, Leslie Ann, 1-7 cr

4794W Directed Research: Writing Intensive

(max crs 15; 15 repeats allowed; S-N only; prereq instr consent, dept consent; no more than 7 cr of [4793, 4794, 4993, 4994] may count toward major requirements; meets CLE req of Writing Intensive)

17487 001 IND, instruction mode: Classroom; Schiff, Leslie Ann, 1-7 cr

4993 Directed Studies

(max crs 36; 6 repeats allowed; S-N; prereq 3301, dept consent)

17488 001 IND, instruction mode: Classroom; Schiff, Leslie Ann, 1-6 cr

4994 Directed Research

(max crs 28; 4 repeats allowed; S-N only; prereq 3301, instr consent)

17489 001 IND, instruction mode: Classroom; Schiff, Leslie Ann, 1-7 cr

MICROBIOLOGY, IMMUNOLOGY, AND CANCER BIOLOGY (MICa)

1460 Mayo (Box 196 UMHC), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-5947, <http://www.micab.umn.edu>

5000 Practicum: Teaching

(NGA)
14674 001 FWK, instruction mode: Classroom, 0 cr

8002 Structure, Function, and Genetics of Bacteria and Viruses

(A-F only; prereq [One undergrad or grad course each in [microbiology, genetics, biochemistry]] or instr consent)

17462 001 LEC, 02:30pm-04:25pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Rice, Stephen Anthony; Dunny, Gary M, 4 cr

8003 Immunity and Immunopathology

(prereq Upper level undergrad immunology course or instr consent)

23378 001 DIS, 10:10am-11:00am MTWTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Jenkins, Marc, 4 cr

8005 Topics in Microbiology, Immunology, and Cancer Biology

(max crs 4; A-F only; prereq 8012, [8002 or 8003 or 8004] or instr consent)

14675 001 DIS, instruction mode: Classroom, 1-4 cr

8012 Writing and Reviewing a Research Proposal

(A-F; prereq First or second year MICaB grad student)

18148 001 LEC, 01:45pm-03:25pm M, Room TBA, TCEASTBANK, 01:30pm-03:10pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Kelekar, Ameeta; Pennell PhD, Christopher A, 2 cr

8094 Research in Microbiology, Immunology, and Cancer Biology

(max crs 5; 5 repeats allowed; S-N only; prereq 1st yr MICa grad student)

14676 001 IND, instruction mode: Classroom, 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14677 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14678 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14679 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14680 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq MICaB PhD student, adviser consent)

14681 001 IND, instruction mode: Classroom, 1-24 cr

8910 Seminar: Faculty Research Topics

(NGA; prereq MICaB grad student)

14682 001 LEC, 12:15pm-01:15pm M, Room TBA, TCEASTBANK, 12:15pm-01:15pm M, Room TBA, TCEASTBANK, 12:15pm-01:15pm M, Room TBA, TCEASTBANK, 12:15pm-01:15pm M, Room TBA, TCEASTBANK, 12:15pm-01:15pm M, Room TBA, TCEASTBANK, 12:15pm-01:15pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Jameson, Steven Phillip, 0 cr

8920 Seminar: Student Research Topics

(NGA; prereq MICaB grad student or instr consent)

14683 001 LEC, 12:15pm-01:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Jameson, Steven Phillip, 0 cr

MILITARY SCIENCE (Mil)

110 Armory, 15 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-7300, <http://www1.umn.edu/arotc>

103 MS I Zero Credit Lead Lab

(A-F; prereq Concurrent registration is required (or allowed) in 1101)

20794 1001 LAB, 04:40pm-06:35pm W, Armory 100, instruction mode: Classroom; Meets with: 13168 MIL 1003,

20795 MIL 203, 20798 MIL 1203; McConaghy, Michael

Dennis; Ruedebusch, Mitchell Adam, 0 cr
20825 1002 LAB, 04:40pm-06:35pm Th, Armory 100, instruction mode: Classroom; Meets with: 20826 MIL 203, 23990 MIL 1203, 23991 MIL 1003; Ruedebusch, Mitchell Adam; McConaghy, Michael Dennis, 0 cr

203 MS II Zero Credit Lead Lab

(A-F; prereq Concurrent registration is required (or allowed) in 1201)

20795 1001 LAB, 04:40pm-06:35pm W, Armory 100, instruction mode: Classroom; Meets with: 13168 MIL 1003, 20794 MIL 103, 20798 MIL 1203; McConaghy, Michael Dennis; Ruedebusch, Mitchell Adam, 0 cr
20826 1002 LAB, 04:40pm-06:35pm Th, Armory 100, instruction mode: Classroom; Meets with: 20825 MIL 103, 23990 MIL 1203, 23991 MIL 1003; Ruedebusch, Mitchell Adam; McConaghy, Michael Dennis, 0 cr

303 MS III Zero Credit Lead Lab

(A-F; prereq Completion of basic courses, Concurrent registration is required (or allowed) in 3301)

20796 1001 LAB, 04:40pm-06:35pm W, Armory 100, instruction mode: Classroom; Meets with: 20801 MIL 3303; Lisius, Adam Charles, 0 cr
20827 1002 LAB, 04:40pm-06:35pm Th, Armory 100, instruction mode: Classroom; Meets with: 23989 MIL 3303; Lisius, Adam Charles, 0 cr

403 MS IV Zero Credit Lead Lab

(A-F; prereq Completion of basic courses, Concurrent registration is required (or allowed) in 3401)

20797 1001 LAB, 04:40pm-06:35pm W, Armory 116, instruction mode: Classroom; Meets with: 20799 MIL 3403; Harris, Dustin Kimoana, 0 cr
20828 1002 LAB, 04:40pm-06:35pm Th, Armory 116, instruction mode: Classroom; Meets with: 20831 MIL 3403; Harris, Dustin Kimoana, 0 cr

1003 Military Science I Leadership Lab

(A-F; prereq Concurrent registration is required (or allowed) in 1201)

13168 1001 LEC, 04:40pm-06:35pm W, Armory 100, instruction mode: Classroom; Limited Number of students can register for this LLAB; Meets with: 20794 MIL 103, 20795 MIL 203, 20798 MIL 1203; McConaghy, Michael Dennis; Ruedebusch, Mitchell Adam, 1 cr
23991 1002 LEC, 04:40pm-06:35pm Th, Armory 100, instruction mode: Classroom; Meets with: 20825 MIL 103, 20826 MIL 203, 23990 MIL 1203; Ruedebusch, Mitchell Adam; McConaghy, Michael Dennis, 1 cr

1101 Leadership and Personal Development

(A-F)

18557 001 LEC, 09:05am-09:55am W, Armory 116A, instruction mode: Classroom; Ruedebusch, Mitchell Adam, 1 cr
18558 002 LEC, 01:25pm-02:15pm W, Armory 116A, instruction mode: Classroom; Ruedebusch, Mitchell Adam, 1 cr

1201 Innovative Team Leadership

(A-F; prereq Concurrent registration is required (or allowed) in lab)

18559 001 LEC, 08:00am-08:50am MW, Armory 202, instruction mode: Classroom; McConaghy, Michael Dennis, 2 cr
18560 002 LEC, 01:25pm-02:15pm MW, Armory 202, instruction mode: Classroom; McConaghy, Michael Dennis, 2 cr

1203 MS II One Credit Lead Lab

(A-F; prereq Concurrent registration is required (or allowed) in 1201)

20798 1001 LAB, 04:40pm-06:35pm W, Armory 100, instruction mode: Classroom; Limited number of students may enroll; Meets with: 13168 MIL 1003, 20794 MIL 103, 20795 MIL 203; McConaghy, Michael Dennis; Ruedebusch, Mitchell Adam, 1 cr
23990 1002 LAB, 04:40pm-06:35pm Th, Armory 100, instruction mode: Classroom; Meets with: 20825 MIL 103, 20826 MIL 203, 23991 MIL 1003; Ruedebusch, Mitchell Adam; McConaghy, Michael Dennis, 1 cr

3301 Adaptive Tactical Leadership

(A-F; prereq Two yrs of ROTC or equiv established by U.S. Army, must see Army ROTC dept officials, Concurrent registration is required (or allowed) in lab)

18561 001 LEC, 08:00am-08:50am MWF, Armory 116, instruction mode: Classroom; Lisius, Adam Charles, 3 cr
20186 003 LEC, 06:30am-07:45am TTh, Armory 116, instruction mode: Classroom; Lisius, Adam Charles, 3 cr

3303 MS III One Credit Lead Lab

(A-F; prereq Completion of basic courses, Concurrent registration is required (or allowed) in 3301)

20801 001 LAB, 04:40pm-06:35pm W, Armory 100, instruction mode: Classroom; Limited number of students may register; Meets with: 20796 MIL 303; Lisius, Adam Charles, 1 cr
23989 002 LAB, 04:40pm-06:35pm Th, Armory 100, instruction mode: Classroom; Meets with: 20827 MIL 303; Lisius, Adam Charles, 1 cr

3401 Developing Adaptive Leaders

(A-F; prereq Completed all other military courses or Army equiv, Concurrent registration is required (or allowed) in lab)

18562 001 LEC, 08:00am-08:50am MWF, Armory 116A, instruction mode: Classroom; Harris, Dustin Kimoana, 3 cr

3403 MS IV One Credit Lead Lab

(A-F; prereq Completion of basic courses, Concurrent registration is required (or allowed) in 3401)

20799 001 LAB, 04:40pm-06:35pm W, Armory 116, instruction mode: Classroom; Meets with: 20797 MIL 403; Harris, Dustin Kimoana, 1 cr
20831 002 LAB, 04:40pm-06:35pm Th, Armory 116, instruction mode: Classroom; Meets with: 20828 MIL 403; Harris, Dustin Kimoana, 1 cr

3501 Marksmanship Training Programs

(A-F)
18566 001 DIS, 02:30pm-04:25pm M, Armory 100, instruction mode: Classroom; Carlson, Jordan Christopher, 2 cr

3970 Military History

(A-F)
12915 001 LEC, 09:05am-09:55am MWF, Armory 116, instruction mode: Classroom; class schedule is coordinated with instructor; Axtell, Thomas E; Cole, Steven Lawrence, 3 cr

MOLECULAR CELLULAR DEVELOPMENTAL BIOL AND GENETICS (MCDG)

250 Biological Sciences, 1445 Gortner Ave, St Paul Campus, St Paul, MN, 55108
612/624-7470, <http://www.cbs.umn.edu/mcdbg>

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

17017 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14122 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14242 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14556 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13759 001 IND, instruction mode: Classroom, 1-24 cr

8900 Student Research Seminar

(max crs 10; 10 repeats allowed; S-N only; prereq Grad MCDG or BMBB major dept consent)

13905 001 LEC, 11:30am-01:15pm M, Room TBA, TCEASTBANK, 08/07/15-06/15/16, instruction mode: Classroom, 1 cr

8920 Special Topics

(max crs 8; 8 repeats allowed; prereq Grad MCDG or BMBB major or dept consent)

13904 001 DIS, instruction mode: Classroom; meets ITAS req of Itasca, 1-4 cr

8950 Teaching Practicum

(max crs 2; S-N only; prereq Grad MCDG major or dept consent)

13906 001 FWK, instruction mode: Classroom, 1 cr

8990 Directed Studies

(max crs 15; 15 repeats allowed; prereq MCDG grad student or instr consent)

13907 001 IND, instruction mode: Classroom, 1-5 cr

8994 Research

(max crs 10; 10 repeats allowed; S-N only; prereq MCDG grad student or dept consent)

13908 001 IND, instruction mode: Classroom, 1-5 cr

MORTUARY SCIENCE (Mort)

A-275 Mayo (Box 740), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455

612/624-6464, <http://www.mortuaryscience.umn.edu>

3014 Funeral Service Rules and Regulations

(A-F; prereq Mortuary science major)

15765 001 LEC, 12:00pm-01:40pm T, Jach 2-121, instruction mode: Classroom; Mathews, Michael Clark, 2 cr

3016 Funeral Service Marketing and Merchandising

(A-F only; prereq Mortuary science major)

22727 001 LEC, 10:30am-01:00pm W, Jach 2-125, instruction mode: Classroom; Woosley, Angela, 3 cr

3018 History & Practice of Funeral

Directing I: Antiquity - 1861

(A-F; prereq Mortuary science major)

16889 001 LEC, 09:00am-11:30am Th, Jach 2-125, instruction mode: Classroom; Mathews, Michael Clark, 3 cr

3021W Funeral Service Psychology

(A-F; prereq Introductory course in general psychology; meets CLE req of Writing Intensive)

15136 001 LEC, 03:00pm-05:30pm W, Jach 2-125, instruction mode: Classroom; Ellis, Thomas Matthew, 3 cr

3022W Funeral Service Arrangements

(A-F; prereq 3018, 3021W; meets CLE req of Writing Intensive)

001 LEC, 01:00pm-03:30pm Th, Jach 2-125, 09/08/15-10/25/15, 01:00pm-02:00pm Th, Jach 2-125, 10/26/15-12/16/15, instruction mode: Classroom; Woosley, Angela
22691 002 LAB, 02:00pm-04:00pm M, Jach 2-125, 10/26/15-11/30/15, instruction mode: Classroom; Woosley, Angela, 3 cr
34190 003 LAB, 12:00pm-02:00pm T, Jach 2-125, 10/27/15-12/01/15, instruction mode: Classroom; Woosley, Angela, 3 cr

3025 Business Law

(A-F)

13035 001 LEC, 04:30pm-07:00pm T, Jach 2-125, instruction mode: Classroom; Meslow, Doug, 3 cr

3051 Restorative Art

(A-F; prereq [3171 or Concurrent registration is required (or allowed) in 3171], Concurrent registration is required (or allowed) in 3061, mortuary science major)

13036 001 LEC, 08:30am-10:10am W, Jach 2-121, instruction mode: Classroom; LaCourt, Jody Lynn, 2 cr

3061 Embalming Theory

(A-F; prereq [3171 or Concurrent registration is required (or allowed) in 3171], Concurrent registration is required (or allowed) in 3051, mortuary science major)

13038 001 LEC, 09:00am-11:30am T, Jach 2-121, instruction mode: Classroom; LaCourt, Jody Lynn, 3 cr

3065 Embalming Chemistry

(A-F; prereq Intro course in general chemistry)

34197 001 LEC, 09:00am-10:40am M, Jach 2-125, instruction mode: Classroom; Mathews, Michael Clark, 2 cr

3151 Restorative Art Laboratory

(max crs 2; A-F; prereq [3171 or Concurrent registration is required (or allowed) in 3171],

Concurrent registration is required (or allowed) in 3051, mortuary science major)

13037 001 LAB, 09:00am-11:00am M, Jach 2-121, instruction mode: Classroom; LaCourt, Jody Lynn, 1 cr
15183 002 LAB, 02:00pm-04:00pm M, Jach 2-121, instruction mode: Classroom; LaCourt, Jody Lynn, 1 cr

3161 Embalming Laboratory

(max crs 2; A-F; prereq [3171 or Concurrent registration is required (or allowed) in 3171], Concurrent registration is required (or allowed) in 3061, mortuary science major)

13039 001 LAB, 01:15pm-04:15pm T, Jach 5-125A, instruction mode: Classroom; instr consent required; LaCourt, Jody Lynn, 1 cr
13040 002 LAB, 01:30pm-04:30pm W, Jach 5-125A, instruction mode: Classroom; instr consent required; LaCourt, Jody Lynn, 1 cr
17623 003 LAB, 09:00am-12:00pm Th, Jach 5-125A, instruction mode: Classroom; LaCourt, Jody Lynn, 1 cr

3171 Human Anatomy Laboratory

(A-F only; prereq 4 cr of biology, 3 cr of human anatomy)

001 LEC, 12:00pm-12:30pm Th, Jach 2-125, instruction mode: Classroom; Lee, David A
23040 002 LAB, 12:30pm-02:30pm Th, Jach 5-125A, instruction mode: Classroom; Lee, David A, 2 cr
23042 003 LAB, 02:30pm-04:30pm Th, Jach 5-125A, instruction mode: Classroom; Lee, David A, 2 cr
23041 004 LAB, 12:00pm-02:00pm F, Jach 5-125A, instruction mode: Classroom; Lee, David A, 2 cr

3370 Death and Dying Across Cultures and Religions

(A-F)

17172 001 LEC, 09:00am-11:30am F, Jach 2-125, instruction mode: Classroom; Roach Thomas, Gloria, 3 cr

3379 Clinical Funeral Service Rotation

(max crs 12; 3 repeats allowed; A-F; prereq 3021W, 3051, 3061, 3151, 3161, 3171, 3370, mortuary science major)

14963 001 ROT, 09:00am-11:00am T, Jach 2-125, instruction mode: Classroom; 8 hours/week at program assigned funeral service firm; cohort meets on campus during scheduled class time on 9/8/15, future on-campus discussion cohort sessions to be determined.; Meets with: 19333 MORT 3379; Woosley, Angela, 1-4 cr
19333 002 ROT, 09:00am-11:00am T, Jach 2-125, instruction mode: Classroom; 8 hours/week at program assigned funeral service firm; cohort meets on campus during scheduled class time on 9/2/14, future on-campus discussion cohort sessions to be determined.; Meets with: 14963 MORT 3379; Woosley, Angela, 1-4 cr

MOVING IMAGE STUDIES (MImS)

235 Nicholson Hall, 216 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/624-8099, <http://cscl.umn.edu/>

8001 Theories of the Moving Image

(A-F)

24057 001 LEC, 01:00pm-03:25pm Th, . NONSTD-TBA, 06:30pm-08:30pm W, NichH 355, instruction mode: Classroom; Marran, Christine L, 3 cr

MULTIDISCIPLINARY STUDIES (MdS)

20 Ruttan Hall, 1994 Buford Ave, St Paul Campus, St Paul, MN, 5108
612/624-4000, <http://www.cce.umn.edu/mds>

3001W Introduction to Multidisciplinary Studies

(A-F; prereq Admitted to multidisciplinary studies; meets CLE req of Writing Intensive)

17749 001 LEC, 06:00pm-09:00pm M, McNH 10, STPAUL, instruction mode: Classroom; Redoute, Karolyn Mary, 3 cr

MUSEUM STUDIES (MSt)

300 Bell Museum, 10 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-7083, http://www.umn.edu/bellmuseum_studies.html

5011 Museum History and Philosophy**(A-F only; prereq Grad student or instr consent)**

22704 001 LEC, 03:00pm-04:15pm TTh, McNH 375, STPAUL, instruction mode: Classroom; Nelson-Mayson, Lin, 3 cr

5020 Internship**(max crs 32; 32 repeats allowed; S-N only; prereq 5011, 5012, dept consent)**

22705 001 FWK, instruction mode: Independent/Directed Studies, 1-6 cr

8993 Directed Study in Museum Studies**(max crs 16; 4 repeats allowed; A-F only; prereq [5012 or Concurrent registration is required (or allowed) in 5012], instr consent, dept consent)**

22706 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

MUSIC (Mus)*100 Ferguson Hall, 2106 4th Street S, West Bank Campus, Minneapolis, MN, 55455
612/624-5740, <http://www.music.umn.edu>***440 Chamber Ensemble Registration****(8 repeats allowed; NGA)**17727 001 LAB, instruction mode: Classroom; Keyboard, 0 cr
17728 002 LAB, instruction mode: Classroom; Strings, 0 cr
17729 003 LAB, instruction mode: Classroom; Woodwinds, 0 cr**901 Junior Recital****(A-F only; prereq Music major, Concurrent registration is required (or allowed) in applied music, instr consent, dept consent)**

11804 001 DIS, instruction mode: Classroom, 0 cr

951 Senior Recital**(A-F only; prereq Music major, Concurrent registration is required (or allowed) in applied music, instr consent, dept consent)**

11805 001 DIS, instruction mode: Classroom, 0 cr

1013 Rock I: The Historical Origins and Development of Rock Music to 1970**(A-F only; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)**001 LEC, 12:20pm-01:10pm MW, TCFStad G065A, instruction mode: Classroom; Lubet, Alex
15200 002 DIS, 08:00am-08:50am F, FergH 149, instruction mode: Classroom, 3 cr
15201 003 DIS, 11:15am-12:05pm F, FergH 123, instruction mode: Classroom, 3 cr
15202 004 DIS, 11:15am-12:05pm F, FergH 105, instruction mode: Classroom; 23 seats reserved for FRFY - Freshman Full Yr Regist, 3 cr
15203 005 DIS, 02:30pm-03:20pm F, FergH 107, instruction mode: Classroom; 1 seat reserved for CATS (CLA Pres Emerg Scholars), 3 cr
15204 006 DIS, 01:25pm-02:15pm F, FergH 105, instruction mode: Classroom, 3 cr
16833 007 DIS, 02:30pm-03:20pm F, FergH 105, instruction mode: Classroom, 3 cr
16834 008 DIS, 12:20pm-01:10pm F, FergH 105, instruction mode: Classroom, 3 cr
16835 009 DIS, 09:05am-09:55am F, FergH 105, instruction mode: Classroom, 3 cr
16836 010 DIS, 11:15am-12:05pm F, FergH 149, instruction mode: Classroom, 3 cr
16843 011 DIS, 01:25pm-02:15pm F, FergH 149, instruction mode: Classroom, 3 cr
16844 012 DIS, 02:30pm-03:20pm F, FergH 149, instruction mode: Classroom, 3 cr
16845 013 DIS, 01:25pm-02:15pm F, FergH 107, instruction mode: Classroom, 3 cr
16846 015 DIS, 03:35pm-04:25pm F, FergH 149, instruction mode: Classroom, 3 cr**1021 Introduction to Music****(Credit will not be granted if credit has been received for: MUS 3021; meets CLE req of Arts/Humanities)**

14612 001 LEC, 12:20pm-01:10pm MWF, FergH 225, instruction mode: Classroom; Meets with: 11806 MUS 3021; Mercer-Taylor, Peter J, 3 cr

1051 Class Piano for Nonmusic Majors I (OPN)11292 001 LEC, 09:05am-09:55am MW, FergH 265, instruction mode: Classroom, 2 cr
11293 002 LEC, 01:25pm-02:15pm MW, FergH 265, instruction mode: Classroom, 2 cr

11294 003 LEC, 02:30pm-03:20pm MW, FergH 265, instruction mode: Classroom, 2 cr

14514 004 LEC, 03:35pm-04:25pm MW, FergH 265, instruction mode: Classroom, 2 cr

11295 1005 LEC, 04:40pm-05:30pm MW, FergH 265, instruction mode: Classroom, 2 cr

14472 006 LEC, 09:05am-09:55am TTh, FergH 265, instruction mode: Classroom, 2 cr

11296 007 LEC, 01:25pm-02:15pm TTh, FergH 265, instruction mode: Classroom, 2 cr

11297 008 LEC, 03:35pm-04:25pm TTh, FergH 265, instruction mode: Classroom, 2 cr

11298 1009 LEC, 04:40pm-05:30pm TTh, FergH 265, instruction mode: Classroom, 2 cr

1052 Class Piano for Non Music Majors II (OPN)

15658 001 LEC, 02:30pm-03:20pm TTh, FergH 265, instruction mode: Classroom, 2 cr

1151 Piano: Class Lessons I**(A-F only; prereq Music major, instr consent)**

11312 001 LEC, 10:10am-11:00am MW, FergH 265, instruction mode: Classroom, 2 cr

34567 002 LEC, 12:20pm-01:10pm MW, FergH 265, instruction mode: Classroom, 2 cr

11313 003 LEC, 10:10am-11:00am TTh, FergH 265, instruction mode: Classroom, 2 cr

23687 004 LEC, 12:20pm-01:10pm TTh, FergH 265, instruction mode: Classroom, 2 cr

1155 Keyboard Skills I**(A-F only; prereq Keyboard major or music major with extensive keyboard background or instr consent)**

17490 001 LEC, 11:15am-12:05pm TTh, FergH 265, instruction mode: Classroom, 2 cr

1260 Voice Class**(max crs 4; prereq Basic musicianship for learning and performing simple songs)**

11364 001 LEC, 10:10am-11:00am MW, FergH 90, instruction mode: Classroom, 2 cr

11365 1002 LEC, 06:15pm-08:00pm T, FergH 90, instruction mode: Classroom, 2 cr

19456 1003 LEC, 06:15pm-08:00pm Th, FergH 90, instruction mode: Classroom, 2 cr

1471 Guitar: Class Lessons I**(A-F only)**

11772 001 LEC, 01:25pm-02:15pm MW, FergH 105, instruction mode: Classroom, 2 cr

11773 002 LEC, 02:30pm-03:20pm MW, FergH 105, instruction mode: Classroom, 2 cr

13504 003 LEC, 03:35pm-04:25pm MW, FergH 105, instruction mode: Classroom, 2 cr

14488 004 LEC, 01:25pm-02:15pm TTh, FergH 107, instruction mode: Classroom, 2 cr

14953 005 LEC, 02:30pm-03:20pm TTh, FergH 107, instruction mode: Classroom; Berg, Ian Andrew, 2 cr

15298 006 LEC, 03:35pm-04:25pm TTh, FergH 105, instruction mode: Classroom, 2 cr

15346 1007 LEC, 06:30pm-08:30pm M, FergH 107, instruction mode: Classroom, 2 cr

15679 1008 LEC, 06:30pm-08:30pm W, FergH 107, instruction mode: Classroom, 2 cr

24087 1009 LEC, 06:30pm-08:30pm T, FergH 107, instruction mode: Classroom, 2 cr

1472 Guitar: Class Lessons II**(A-F only; prereq 1471 or instr consent)**

17933 1001 LEC, 04:40pm-05:30pm MW, FergH 105, instruction mode: Classroom, 2 cr

1501 Theory and Analysis of Tonal Music I**(A-F only; prereq dept consent)**

001 LEC, 08:00am-08:50am WF, FergH 225, instruction mode: Classroom

19200 002 DIS, 09:05am-09:55am M, FergH 105, instruction mode: Classroom, 2 cr

19201 003 DIS, 09:05am-09:55am M, FergH 123, instruction mode: Classroom, 2 cr

19202 004 DIS, 09:05am-09:55am M, FergH 149, instruction mode: Classroom, 2 cr

19203 005 DIS, 09:35am-10:25am T, FergH 105, instruction mode: Classroom, 2 cr

1511 Ear-Training and Sight-Singing I**(A-F only; prereq dept consent)**

001 LEC, 08:00am-08:50am M, FergH 225, instruction mode: Classroom

19204 002 DIS, 09:05am-09:55am W, FergH 105, instruction mode: Classroom, 1 cr

19205 003 DIS, 09:05am-09:55am W, FergH 123, instruction mode: Classroom, 1 cr

19206 004 DIS, 09:05am-09:55am W, FergH 149, instruction mode: Classroom, 1 cr

19207 005 DIS, 09:35am-10:25am Th, FergH 105, instruction mode: Classroom, 1 cr

1801W Music, Society, and Cultures**(A-F only; prereq [Music major or instr consent], permission number; meets CLE req of Arts/Humanities; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)**

001 LEC, 08:00am-09:30am TTh, FergH 225, instruction mode: Classroom; Students must attend the first class meeting in order to enroll in this course.; Rahaim, Matthew

11643 002 DIS, 09:05am-09:55am F, FergH 123, instruction mode: Classroom, 3 cr

11644 003 DIS, 09:05am-09:55am F, FergH 149, instruction mode: Classroom, 3 cr

14452 004 DIS, 10:10am-11:00am F, FergH 123, instruction mode: Classroom, 3 cr

11645 005 DIS, 10:10am-11:00am F, FergH 149, instruction mode: Classroom, 3 cr

1804 World Music**(meets CLE req of Arts/Humanities; meets CLE req of Global Perspectives)**

19199 001 DIS, 01:25pm-02:15pm MWF, FergH 225, instruction mode: Classroom; Currie, Scott, 3 cr

1905 Topics: Freshman Seminar**(A-F only; prereq freshman)**

34559 001 LEC, instruction mode: Classroom; Painter PhD, Karen, 3 cr

34560 002 LEC, instruction mode: Classroom; Music and Gender; Harness, Kelley A, 3 cr

3021 Introduction to Music**(Credit will not be granted if credit has been received for: MUS 1021; meets CLE req of Arts/Humanities)**

11806 001 LEC, 12:20pm-01:10pm MWF, FergH 225, instruction mode: Classroom; Meets with: 14612 MUS 1021; Mercer-Taylor, Peter J, 3 cr

3200 Campus Singers**(max crs 16; 8 repeats allowed)**

21756 001 LAB, 12:15pm-01:15pm TTh, FergH 90, instruction mode: Classroom; Gold - To register after classes begin, instructor approval is required, 2 cr

21757 1002 LAB, 06:00pm-08:00pm M, FergH 90, instruction mode: Classroom; Maroon, 2 cr

21758 1003 LAB, 06:00pm-08:00pm W, FergH 90, instruction mode: Classroom; Mosaic (Women only), 2 cr

22908 004 LAB, 03:35pm-05:05pm MW, FergH 225, instruction mode: Classroom; Men's Chorus; Mehaffey, Matthew Wayne, 2 cr

3230 Chorus**(max crs 16; 8 repeats allowed; prereq Choral and/or instrumental music background, audition, instr consent)**

11450 001 LAB, 03:35pm-05:05pm MW, . ROOM-TBA, instruction mode: Classroom; Women's Chorus; Meets with: 11451 MUS 5230, 1-2 cr

3262 English Diction for Singers**(A-F only; prereq Voice or choral music major, concurrent enrollment in applied voice)**

34452 001 LAB, instruction mode: Classroom; Del Santo, Jean Marie, 1 cr

3263 German Diction for Singers**(A-F only; prereq Voice or choral music major, concurrent enrollment in applied voice)**

11687 001 LEC, 11:15am-12:05pm TTh, FergH 115, instruction mode: Classroom; Del Santo, Jean Marie, 1 cr

3340 Jazz Ensemble**(max crs 8; 8 repeats allowed; A-F only; prereq Audition, instr consent)**

11438 001 LAB, instruction mode: Classroom, 1 cr

11439 002 LAB, instruction mode: Classroom; Meets with: 11413 MUS 5340, 1 cr

3350 Jazz Combo**(max crs 8; 8 repeats allowed; A-F only; prereq Audition, instr consent)**

11366 001 LAB, 10:10am-11:00am MW, FergH 3, instruction mode: Classroom; Sorenson, Dean Patrick; Hey, Philip C, 1 cr

11367 002 LAB, 11:15am-12:05pm MW, FergH 3, instruction mode: Classroom; Sorenson, Dean Patrick; Hey, Philip C, 1 cr

11368 003 LAB, 12:20pm-01:10pm MW, FergH 3, instruction mode: Classroom; Sorenson, Dean Patrick; Hey, Philip C, 1 cr

3400 University and Campus Bands

(max crs 20; 10 repeats allowed)
 17965 !001 LAB, 07:00pm-08:30pm MTh, FergH 95, instruction mode: Classroom; University Band, 2 cr
 17966 !002 LAB, 07:00pm-09:00pm M, TCFStad G065A, instruction mode: Classroom; Maroon Campus Band, 2 cr
 19583 !003 LAB, 07:00pm-09:00pm W, TCFStad G065A, instruction mode: Classroom; North Star Band, 2 cr
 24337 !004 LAB, 07:00pm-09:00pm Th, TCFStad G065A, instruction mode: Classroom; Gold Campus Band, 2 cr

3410 University Wind Bands

(max crs 14; 14 repeats allowed; A-F only; prereq Audition, instr consent)
 11911 001 LAB, 01:25pm-03:20pm TTh, . ROOM-TBA, 01:25pm-02:15pm F, . ROOM-TBA, instruction mode: Classroom; Symphonic Wind Ensemble; Meets with: 11913 MUS 5410; Kirchhoff, Craig J, 1 cr
 11912 002 LAB, 01:25pm-03:20pm MW, . ROOM-TBA, 02:25pm-03:20pm F, . ROOM-TBA, instruction mode: Classroom; Symphonic Band; Meets with: 11914 MUS 5410; Luckhardt, Jerry M, 1 cr

3420 Orchestra

(max crs 8; 8 repeats allowed; A-F only; prereq Audition, instr consent)
 11606 001 LAB, 01:25pm-03:20pm MW, . ROOM-TBA, 01:25pm-02:15pm F, . ROOM-TBA, instruction mode: Classroom; Meets with: 11933 MUS 5420; Smith, Mark Russell, 1 cr

3430 Campus Orchestra

(max crs 16; 8 repeats allowed; prereq Non-music major or unable to register for University Orchestra)
 11991 !001 LAB, 06:00pm-07:00pm MW, FergH 85, instruction mode: Classroom, 2 cr
 20734 !002 LAB, 07:15pm-08:15pm MW, FergH 85, instruction mode: Classroom, 2 cr
 22291 !003 LAB, 06:00pm-08:00pm T, FergH 85, instruction mode: Classroom; String Orchestra (Strings only), 2 cr

3440 Chamber Ensemble

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)
 20265 001 LAB, instruction mode: Classroom; New Music Ensemble; Kim, Young-Nam, 1 cr
 21879 002 LAB, instruction mode: Classroom; Meets with: 21880 MUS 5440, 1 cr
 22059 003 LAB, instruction mode: Classroom; Trombone Choir and Jazz Trombones; Meets with: 22062 MUS 5440; Ashworth, Thomas Jackson, 1 cr
 22060 004 LAB, instruction mode: Classroom; Trombone Quartets; Ashworth, Thomas Jackson, 1 cr
 22061 005 LAB, instruction mode: Classroom; Meets with: 22064 MUS 5440; Davis, Immanuel, 1 cr
 26900 006 LAB, instruction mode: Classroom; Guitar Ensemble; Radovanlija, Maja, 1 cr
 26901 007 LAB, instruction mode: Classroom; Meets with: 26902 MUS 5440; Fiterstein, Alexander, 1 cr
 26925 008 LAB, instruction mode: Classroom; University Trumpet Ensemble; Bjork, Mark P, 1 cr
 26929 009 LAB, instruction mode: Classroom; Trumpet Ensemble; Baldwin, David B, 1 cr
 26930 010 LAB, instruction mode: Classroom; Kim, Youngnam, 1 cr
 34576 011 LAB, instruction mode: Classroom; Remenikova, Tanya, 1 cr

3480 Marching Band

(max crs 12; 6 repeats allowed; A-F only; prereq instr consent)
 11605 001 LAB, 04:15pm-06:00pm MTWThF, . ROOM-TBA, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; Diem, Timothy W, 2 cr

3490 Athletics Bands

(max crs 16; 16 repeats allowed; A-F only; prereq instr consent)
 17242 001 LAB, instruction mode: Classroom; Gold Band; Diem, Timothy W, 1 cr
 18476 002 LAB, instruction mode: Classroom; Maroon Band; Diem, Timothy W, 1 cr
 18477 003 LAB, instruction mode: Classroom; Gopher Band; Diem, Timothy W, 1 cr

3501 Theory and Analysis of Tonal Music III

(A-F only; prereq [[1501, 1502, 1511, 1512] with grade of at least C-] or diagnostic test administered by School of Music)
 001 LEC, 09:05am-09:55am WF, FergH 225, instruction mode: Classroom; Damschroder, David A
 14368 002 DIS, 08:00am-08:50am M, FergH 123, instruction mode: Classroom, 2 cr

14613 003 DIS, 08:00am-08:50am M, FergH 149, instruction mode: Classroom, 2 cr
 14614 004 DIS, 08:35am-09:25am T, FergH 123, instruction mode: Classroom, 2 cr
 16803 005 DIS, 08:35am-09:25am T, FergH 149, instruction mode: Classroom, 2 cr

3508 Review of Tonal Theory

(prereq Theory placement exam)
 12154 001 LEC, 08:15am-09:30am TTh, FergH 115, instruction mode: Classroom, 2 cr

3511 Ear-Training and Sight-Singing III

(A-F only; prereq [[1501, 1511] with grade of at least C-] or diagnostic test administered by School of Music), [music major or instr consent]
 001 LEC, 09:05am-09:55am M, FergH 225, instruction mode: Classroom; Damschroder, David A
 17786 002 DIS, 08:00am-08:50am W, FergH 123, instruction mode: Classroom, 1 cr
 17787 003 DIS, 08:00am-08:50am W, FergH 149, instruction mode: Classroom, 1 cr
 17788 004 DIS, 08:35am-09:25am Th, FergH 123, instruction mode: Classroom, 1 cr
 17789 005 DIS, 08:35am-09:25am Th, FergH 149, instruction mode: Classroom, 1 cr

3518 Review of Ear-Training and Sight-Singing

(prereq Theory Placement Exam)
 12155 001 LEC, 10:10am-11:00am TTh, FergH 115, instruction mode: Classroom, 1 cr

3602W History of Western Music II

(A-F only; prereq 1502, 3601, music major, instr consent; meets CLE req of Writing Intensive)
 001 LEC, 09:35am-11:00am TTh, FergH 225, instruction mode: Classroom; Grayson, David A
 14365 002 DIS, 08:00am-08:50am F, FergH 105, instruction mode: Classroom, 3 cr
 14366 003 DIS, 08:00am-08:50am F, FergH 107, instruction mode: Classroom, 3 cr
 14367 004 DIS, 10:10am-11:00am F, FergH 105, instruction mode: Classroom, 3 cr
 19581 005 DIS, 10:10am-11:00am F, FergH 107, instruction mode: Classroom, 3 cr

3950 Topics in Music

(max crs 15; 5 repeats allowed)
 26416 001 LEC, instruction mode: Classroom, 1-3 cr

3993 Directed Studies

(max crs 10; 10 repeats allowed; A-F only)
 11647 001 IND, instruction mode: Classroom, 1-4 cr
 14557 002 IND, instruction mode: Classroom, 1-4 cr

3995 Major Project

(A-F only; prereq Undergrad music major in B.A. program, instr consent , dept consent)
 11649 001 IND, instruction mode: Classroom, 1 cr

4505 Jazz Theory

(A-F only; prereq [3501, 3511] with grades of at least C-)
 17079 001 LEC, 11:15am-12:05pm T, FergH 123, 11:15am-01:10pm Th, FergH 123, instruction mode: Classroom; Sorenson, Dean Patrick, 3 cr

5101 Piano Pedagogy I

(prereq 8 cr in MusA 1301 or MusA 1401 or instr consent)
 26732 001 LEC, 11:15am-01:10pm F, FergH 265, instruction mode: Classroom, 2 cr

5150 Body Awareness in Activity: The Alexander Technique for Musicians

(max crs 8; 4 repeats allowed)
 21739 001 LAB, 11:15am-12:55pm Th, FergH 81, instruction mode: Classroom; McCullough, Brian, 2 cr

5151 Organ Literature I

(A-F only; prereq 3502, 3603, sr or grad or instr consent)
 34565 001 LEC, instruction mode: Classroom; Billmeyer, Dean W, 3 cr

5230 Chorus

(max crs 16; 8 repeats allowed; prereq Choral and/or instrumental music background; audition, instr consent)
 11451 001 LAB, 03:35pm-05:05pm MW, . ROOM-TBA, instruction mode: Classroom; Women's Chorus; Meets with: 11450 MUS 3230, 1-2 cr

5240 University Singers

(max crs 8; 8 repeats allowed; A-F only; prereq Audition, instr consent)
 11915 001 LAB, 12:45pm-02:15pm MWF, FergH 90, 12:45pm-02:15pm MVF, FergH 99, instruction mode: Classroom; Mehaffey, Matthew Wayne, 1 cr

5241 Vocal Literature I

(A-F only; prereq [12 cr in MusA 1304, grad music student] or instr consent)
 34453 001 LEC, instruction mode: Classroom; Zabala, Adriana, 3 cr

5250 Opera Workshop and Ensemble

(max crs 16; 8 repeats allowed; A-F only; prereq audition, instr consent)
 12041 001 LAB, 03:35pm-06:30pm TTh, FergH 99, instruction mode: Classroom; Advanced Stagecraft and Scene Work: 2 additional hours of arranged time with small groups.; Walsh, David Allan, 2 cr
 16810 !002 LAB, 06:30pm-09:30pm MTh, FergH 99, instruction mode: Classroom; Basic Stagecraft and Scene/Chorus Work; Walsh, David Allan, 2 cr

5271 Diction for Singers I

(A-F only; prereq 12 cr MusA 1304 or grad music major or instr consent)
 23634 001 LAB, 10:10am-12:05pm F, FergH 81, instruction mode: Classroom; Zawisza, Philip David, 2 cr

5275 Vocal Pedagogy I

(prereq Sr vocal major or instr consent)
 20486 001 DIS, 09:05am-09:55am MWF, . ROOM-TBA, instruction mode: Classroom; Del Santo, Jean Marie, 3 cr

5280 Opera Theatre

(max crs 16; 8 repeats allowed; A-F only; prereq audition, instr consent)
 11934 001 LAB, instruction mode: Classroom; Walsh, David Allan, 2 cr

5333 Post-tonal Theory and Analysis II

(A-F)
 25068 001 LEC, 10:10am-12:05pm M, FergH 107, 10:10am-11:00am W, FergH 107, instruction mode: Classroom; Cherlin, Michael, 3 cr

5340 Jazz Ensemble

(max crs 6; 6 repeats allowed; A-F only; prereq audition, instr consent)
 11412 001 LAB, instruction mode: Classroom, 1 cr
 11413 002 LAB, instruction mode: Classroom; Meets with: 11439 MUS 3340, 1 cr

5400 University and Campus Bands

(max crs 10; 10 repeats allowed)
 26369 !002 LAB, 07:00pm-09:00pm M, . ROOM-TBA, instruction mode: Classroom, 1 cr

5410 University Wind Bands

(max crs 14; 14 repeats allowed; A-F only; prereq audition, instr consent)
 11913 001 LAB, 01:25pm-03:20pm TTh, . ROOM-TBA, 01:25pm-02:15pm F, . ROOM-TBA, instruction mode: Classroom; Symphonic Wind Ensemble; Meets with: 11911 MUS 5410; Kirchhoff, Craig J, 1 cr
 11914 002 LAB, 01:25pm-03:20pm MW, . ROOM-TBA, 02:25pm-03:20pm F, . ROOM-TBA, instruction mode: Classroom; Symphonic Band; Meets with: 11912 MUS 3410; Luckhardt, Jerry M, 1 cr

5420 Orchestra

(max crs 8; 8 repeats allowed; A-F only; prereq audition, instr consent)
 11933 001 LAB, 01:25pm-03:20pm MW, . ROOM-TBA, 01:25pm-02:15pm F, . ROOM-TBA, instruction mode: Classroom; Meets with: 11606 MUS 3420; Smith, Mark Russell, 1 cr

5423 Suzuki Pedagogy Practicum

(max crs 2; A-F only)
 34572 001 FWK, instruction mode: Classroom; Bjork, Mark P, 1 cr

5427 Violin Pedagogy I

(A-F only; prereq Violin or viola major or instr consent)
 34573 001 DIS, instruction mode: Classroom; Kim, Young-Nam, 2 cr

5430 Contemporary Music Workshop

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)

26720 001 LEC, 10:10am-12:05pm T, . ROOM-TBA,
instruction mode: Classroom; Cherlin, Michael, 1 cr

5440 Chamber Ensemble

(max crs 8; 8 repeats allowed; A-F only; prereq audition, instr consent)

21237 001 LAB, instruction mode: Classroom; New Music Ensemble; Kim, Young-Nam, 1 cr
21880 002 LAB, instruction mode: Classroom; Meets with: 21879 MUS 3440, 1 cr
22062 003 LAB, instruction mode: Classroom; Trombone Choir and Jazz Trombones; Meets with: 22059 MUS 3440; Ashworth, Thomas Jackson, 1 cr
22063 004 LAB, instruction mode: Classroom; Trombone Quartets; Ashworth, Thomas Jackson, 1 cr
22064 005 LAB, instruction mode: Classroom; Meets with: 22061 MUS 3440; Davis, Immanuel, 1 cr
26827 006 LAB, instruction mode: Classroom; Guitar Ensemble; Radovanlija, Maja, 1 cr
26902 007 LAB, instruction mode: Classroom; Meets with: 26901 MUS 3440; Fiterstein, Alexander, 1 cr
26910 008 LAB, instruction mode: Classroom; Bjork, Mark P, 1 cr
26926 009 LAB, instruction mode: Classroom; University Trumpet Ensemble; Baldwin, David B, 1 cr
26931 010 LAB, instruction mode: Classroom; Kim, Youngnam, 1 cr

5460 World Music Ensemble

(max crs 16; 8 repeats allowed)

21093 001 LAB, 06:00pm-08:00pm W, FergH 95, instruction mode: Classroom; Afro-Latin Carnival, Students enrolling for 2 credits will be required to participate in extra rehearsals.; Currie, Scott, 1-2 cr

5480 University Brass Choir

(max crs 8; 8 repeats allowed; prereq audition, instr consent)

26601 001 LAB, 03:30pm-05:00pm F, FergH 85, instruction mode: Classroom; Baldwin, David B, 1 cr

5490 Percussion Ensemble

(max crs 10; 10 repeats allowed; A-F only; prereq instr consent)

11607 001 LAB, 03:35pm-05:30pm MF, FergH 95, instruction mode: Classroom; Meza, Fernando A., 1 cr
23288 003 LAB, 03:35pm-05:05pm T, FergH 85, 11:30am-01:00pm F, FergH 85, instruction mode: Classroom; Steel Drum Ensemble, 1 cr

5571 Schenkerian Analysis for Performers

(A-F only; prereq 3502)

18980 001 LEC, 12:20pm-01:10pm MWF, FergH 123, instruction mode: Classroom; Damschroder, David A, 3 cr

5573 Analysis of Late-Romantic Orchestral Literature

(A-F only; prereq 3502 or Theory IV Exam or instr consent ; [4504 or equiv] recommended)

34563 001 LEC, instruction mode: Classroom; Bribitzer-Stull, Matt, 3 cr

5591 Introduction to Music Information Technology

(A-F only; prereq Music grad student or instr consent)

23751 001 LEC, 09:05am-09:55am MWF, FergH 81, instruction mode: Classroom; Mazzola PhD, Guerino, 3 cr

5597 Music and Text

(A-F only)

23651 001 LEC, 10:10am-12:05pm M, FergH 105, 10:10am-11:00am W, FergH 105, instruction mode: Classroom; Cherlin, Michael, 3 cr

5611 Resources for Music Research

(A-F only; prereq 3603)

34553 001 LEC, instruction mode: Classroom, 3 cr

5624 Music of J. S. Bach

(A-F only; prereq Grad student in music or instr consent)

22220 001 LEC, 11:15am-12:05pm T, . ROOM-TBA, 11:15am-01:10pm Th, . ROOM-TBA, instruction mode: Classroom; Harness, Kelley A, 3 cr

5950 Topics in Music

(max crs 15; 15 repeats allowed)

34446 001 LEC, instruction mode: Classroom; Creative Musician in Practice I; Myers, David E, 1-4 cr
34450 002 LEC, instruction mode: Classroom; Bach's St. Matthew Passion; Smith, Mark Russell, 1-4 cr
34554 003 LEC, instruction mode: Classroom; What Do Voices Do?; Rahaim, Matthew, 1-4 cr

34555 004 LEC, instruction mode: Classroom; Music Cultures of the Silk Road; Currie, Gabriela, 1-4 cr

34556 005 LEC, instruction mode: Classroom; Beethoven

Sonatas; Grayson, David A, 1-4 cr

34557 006 LEC, instruction mode: Classroom; Popular Music; Mercer-Taylor, Peter J, 1-4 cr

34561 007 LEC, instruction mode: Classroom; Guitar Literature and Pedagogy; Radovanlija, Maja, 1-4 cr

34562 008 LEC, instruction mode: Classroom; Composition and Improvisation; Sorenson, Dean Patrick, 1-4 cr

34571 009 LEC, instruction mode: Classroom; Suzuki Pedagogy; Bjork, Mark P, 1-4 cr

5993 Directed Studies

(max crs 12; 12 repeats allowed)

11648 001 IND, instruction mode: Classroom, 1-4 cr
23350 002 IND, instruction mode: Classroom, 1-4 cr

8131 Advanced Keyboard Skills

(A-F only; prereq Grad student in music or instr consent)

23686 001 LAB, 08:00am-08:50am TTh, FergH 265, instruction mode: Classroom; Billmeyer, Dean W, 2 cr

8170 Advanced Vocal Accompanying Skills and Repertoire

(max crs 8; 4 repeats allowed; A-F only; prereq [French, German, Italian diction], accompanying or DMA voice emphasis or MM voice emphasis by audition)

34566 001 LAB, instruction mode: Classroom; Lovelace, Timothy, 2 cr

8183 Opera History in Context: Verdi and Britten

(A-F; prereq Grad student in music or instr consent)

34451 001 LEC, instruction mode: Classroom; Walsh, David Allan, 3 cr

8237 Score Study: Choral

(A-F only; prereq instr consent)

26370 001 LEC, 01:00pm-03:00pm T, . ROOM-TBA, 12:30pm-01:30pm Th, . ROOM-TBA, instruction mode: Classroom; Mehaffey, Matthew Wayne, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13995 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14125 001 IND, instruction mode: Classroom, 1 cr

8450 Graduate Seminar in Conducting

(max crs 32; 8 repeats allowed; A-F only; prereq Grad student in conducting or instr consent)

16830 001 LEC, 03:45pm-06:00pm T, FergH 157, 07:00pm-09:00pm T, FergH 95, instruction mode: Classroom; Wind Band Conducting; Kirchoff, Craig J, 3-4 cr

16831 002 LEC, 09:30am-11:00am TTh, FergH 90, instruction mode: Classroom; Choral Conducting; Mehaffey, Matthew Wayne, 3-4 cr

16832 003 LEC, 11:00am-12:45pm MW, FergH 85, instruction mode: Classroom; Orchestral Conducting; Smith, Mark Russell, 3-4 cr

8550 Composition

(max crs 12; 4 repeats allowed; A-F only; prereq instr consent)

11477 001 IND, 03:35pm-05:05pm M, FergH 123, instruction mode: Classroom; Lesson time is arranged with instructor. Listed time is studio class.; Lubet, Alex, 3 cr

22926 002 IND, 03:35pm-05:05pm M, . ROOM-TBA, instruction mode: Classroom; Sorenson, Dean Patrick, 3 cr

26721 003 IND, instruction mode: Classroom; An additional composition studio class is required, time to be arranged by the studio instructor., 3 cr

8560 Readings in Music Theory

(max crs 12; 4 repeats allowed; A-F only; prereq instr consent)

34564 001 LEC, instruction mode: Classroom; Bribitzer-Stull, Matt, 3 cr

8581 Schenkerian Theory and Analysis I

(A-F only; prereq instr consent)

19751 001 LEC, 10:10am-12:05pm M, FergH 203, 10:10am-11:00am W, FergH 203, instruction mode: Classroom; Damschroder, David A, 3 cr

8590 Topics in 20th-Century Analysis

(max crs 12; 4 repeats allowed; A-F only; prereq Grad music major, instr consent)

22221 001 LEC, 02:30pm-03:20pm T, FergH 203, instruction mode: Classroom; "Minimalism." Topic prereq - Completion of Mus 4504 with a grade of C- or better; Gopinath, Sumanth S, 3 cr

8640 Seminar in Musicology

(max crs 12; 4 repeats allowed; A-F only; prereq Musicology or theory emphasis or instr consent)

20554 001 LEC, 02:00pm-05:00pm T, FergH 205, instruction mode: Classroom; "Music, Identity, and Politics 1890-1918". Topic prereq - Graduate student in music or instr consent.; Painter PhD, Karen, 3 cr

8644 Seminar: Advanced Research in Historical Musicology

(A-F only; prereq Undergrad music degree)

34558 001 LEC, instruction mode: Classroom; Currie, Gabriela, 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14245 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14329 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13762 001 IND, instruction mode: Classroom, 1-24 cr

8994 Directed Research

(max crs 12; 4 repeats allowed; A-F only; prereq instr consent)

13694 001 IND, instruction mode: Classroom, 1-3 cr
23354 002 IND, instruction mode: Classroom, 1-3 cr

8999 Recital Credits: Doctoral

(max crs 20; 5 repeats allowed; A-F only; prereq DMA student, instr consent)

12104 001 DIS, instruction mode: Classroom, 4 cr
13696 002 DIS, instruction mode: Classroom, 4 cr

MUSIC APPLIED (MusA)

100 Ferguson Hall, 2106 4th Street SE, West Bank Campus, Minneapolis, MN, 55455
612/624-5740, <http://www.music.umn.edu>

1101 Piano: Elective (non-major in music)

(max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

11387 001 LAB, instruction mode: Classroom; Students interested in being placed for piano lessons must submit a completed Elective Lessons Request Form to 100 Ferguson Hall. This form is available at: <https://www.music.umn.edu/current-students/electivelessons>; Kim, Soyoun, 2-4 cr

14409 002 LAB, instruction mode: Classroom; Students interested in being placed for piano lessons must submit a completed Elective Lessons Request Form to 100 Ferguson Hall. This form is available at: <https://www.music.umn.edu/current-students/electivelessons>; Kim, Soyoun, 2-4 cr

14410 003 LAB, instruction mode: Classroom; Students interested in being placed for piano lessons must submit a completed Elective Lessons Request Form to 100 Ferguson Hall. This form is available at <https://www.music.umn.edu/current-students/electivelessons>; Tanaka, Rie, 2-4 cr

1103 Organ: Elective (non-major in music)

(max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

19948 001 LAB, instruction mode: Classroom; Billmeyer, Dean W, 2-4 cr

1104 Voice: Elective (non-major in music)

(max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

22867 001 LAB, instruction mode: Classroom; Kozisek, David Andrew, 2-4 cr

23019 002 LAB, instruction mode: Classroom; Martin, Jeffrey Alexander, 2-4 cr
 23063 003 LAB, instruction mode: Classroom; Olson, Jennifer Lynn, 2-4 cr
 26422 004 LAB, instruction mode: Classroom; De Haan, John, 2-4 cr
 26752 005 LAB, instruction mode: Classroom; Zawisza, Philip David, 2-4 cr
 26969 006 LAB, instruction mode: Classroom; Zaro-Mullins, Wendy, 2-4 cr

1105 Violin: Elective (non-major in music)
 (max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

24461 001 LAB, instruction mode: Classroom; Kim, Young-Nam, 2-4 cr
 26942 002 LAB, instruction mode: Classroom; O'Reilly, Sally P, 2-4 cr

1106 Viola: Elective (non-major in music)
 (max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

26895 001 LAB, instruction mode: Classroom; Konkol, Corey Bernard, 2-4 cr

1108 Double Bass: Elective (non-major in music)

(max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

26515 001 LAB, instruction mode: Classroom; Brown, Christopher Craig, 2-4 cr

1109 Flute: Elective (non-major in music)
 (max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

26966 001 LAB, instruction mode: Classroom; Davis, Immanuel, 2-4 cr

1112 Clarinet: Elective (non-major in music)

(max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

26970 001 LAB, instruction mode: Classroom; Fiterstein, Alexander, 2-4 cr

1115 French Horn: Elective (non-major in music)

(max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

26967 001 LAB, instruction mode: Classroom; Lemen, Caroline May, 2-4 cr

1117 Trombone: Elective (non-major in music)

(max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

26940 001 LAB, instruction mode: Classroom; Ashworth, Thomas D, 2-4 cr

1123 Guitar: Elective (non-major in music)
 (max crs 32; 8 repeats allowed; A-F only; prereq dept consent)

14411 001 LAB, instruction mode: Classroom; Students interested in being placed for guitar lessons must submit a completed Elective Lessons Request Form to 100 Ferguson Hall. This form is available at: <https://www.music.umn.edu/current-students/electivelessons/>; Hildebrand, Jacob Alexander, 2-4 cr

16884 002 LAB, instruction mode: Classroom; Students interested in being placed for guitar lessons must submit a completed Elective Lessons Request Form to 100 Ferguson Hall. This form is available at: <https://www.music.umn.edu/current-students/electivelessons/>, 2-4 cr

20057 003 LAB, instruction mode: Classroom; Students interested in being placed for guitar lessons must submit a completed Elective Lessons Request Form to 100 Ferguson Hall. This form is available at: <https://www.music.umn.edu/current-students/electivelessons/>; Barnic, Branko, 2-4 cr

1201 Piano: Music Education and BA
 (max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

23066 !001 IND, 12:30pm-02:00pm Th, . ROOM-TBA, 04:30pm-06:00pm T, . ROOM-TBA, instruction mode: Classroom; Artymiw, Lydia, 2 cr
 25080 !002 IND, 02:00pm-03:30pm F, . ROOM-TBA, 04:30pm-06:00pm T, . ROOM-TBA, instruction mode: Classroom; Braginsky, Alexander, 2 cr
 25081 !003 IND, 02:00pm-03:00pm W, . ROOM-TBA, 04:30pm-06:00pm T, . ROOM-TBA, instruction mode: Classroom; Charlson, Elizabeth Wolff, 2 cr

1204 Voice: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

23055 001 IND, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Del Santo, Jean Marie, 2 cr
 23056 002 IND, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zaro-Mullins, Wendy, 2 cr
 23057 003 IND, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zabala, Adriana, 2 cr
 23058 004 IND, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; De Haan, John, 2 cr
 23059 005 IND, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zawisza, Philip David, 2 cr

1205 Violin: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

24354 001 IND, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Bjork, Mark P, 2 cr

1206 Viola: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

26709 001 IND, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Konkol, Corey Bernard, 2 cr

1207 Cello: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

26440 001 IND, instruction mode: Classroom; Remenikova, Tanya, 2 cr

1209 Flute: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

26658 001 IND, 03:35pm-05:30pm M, . ROOM-TBA, instruction mode: Classroom; Davis, Immanuel, 2 cr

1211 Oboe: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

23065 001 IND, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Snow, John D, 2 cr

1212 Clarinet: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

24470 001 IND, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Fiterstein, Alexander, 2 cr

1213 Saxophone: Music Ed and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

23061 001 IND, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Rousseau, Eugene E, 2 cr

1214 Bassoon: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

24484 001 IND, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Miller Jr, John W; Berg, Ian Andrew, 2 cr

1215 French Horn: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

23060 001 IND, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Lemen, Caroline May, 2 cr

1216 Trumpet: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

23051 001 IND, 03:35pm-05:35pm M, . ROOM-TBA, 03:35pm-05:30pm W, . ROOM-TBA, instruction mode: Classroom; Baldwin, David B, 2 cr

1217 Trombone: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

23050 001 IND, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Ashworth, Thomas Jackson, 2 cr

1219 Tuba: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

24453 001 IND, instruction mode: Classroom; Campbell, Steven C, 2 cr

1221 Percussion: Music Ed and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

23052 001 IND, 03:30pm-04:30pm W, . ROOM-TBA, instruction mode: Classroom; Meza, Fernando A, 2 cr
 24692 002 IND, instruction mode: Classroom; Hey, Philip C, 2 cr

1222 Harp: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music education or BA applied] major, dept consent)

24469 001 IND, instruction mode: Classroom; Kienzle, Kathy, 2 cr

1301 Piano: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

21815 001 LAB, 04:30pm-06:30pm T, FergH 84, 12:00pm-02:00pm Th, . ROOM-TBA, instruction mode: Classroom; Artymiw, Lydia, 2-4 cr
 14412 !002 LAB, 02:00pm-03:30pm F, FergH 84, 04:30pm-06:30pm T, FergH 84, instruction mode: Classroom; Braginsky, Alexander, 2-4 cr
 21816 !003 LAB, 02:00pm-03:00pm W, . ROOM-TBA, 04:30pm-06:30pm T, FergH 84, instruction mode: Classroom; Charlson, Elizabeth Wolff, 2-4 cr

1304 Voice: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

11816 001 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Del Santo, Jean Marie, 2-4 cr
 14413 002 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zaro-Mullins, Wendy, 2-4 cr
 14414 003 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zabala, Adriana, 2-4 cr
 14415 004 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; De Haan, John, 2-4 cr
 21817 005 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zawisza, Philip David, 2-4 cr

1305 Violin: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

12108 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Bjork, Mark P, 2-4 cr
 20058 002 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Kim, Young-Nam, 2-4 cr
 14416 003 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; O'Reilly, Sally P, 2-4 cr

1306 Viola: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

19738 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Konkol, Corey Bernard, 2-4 cr

1307 Cello: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

12109 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Remenikova, Tanya, 2-4 cr

1308 Double Bass: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

12110 !001 LAB, 03:30pm-05:30pm W, . ROOM-TBA, 05:00pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Meets with: 12233 MUSA 8308, 20019 MUSA 2308; Brown, Christopher Craig, 2-4 cr

1309 Flute: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

14417 002 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Davis, Immanuel, 2-4 cr

1311 Oboe: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

20059 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Snow, John D, 2-4 cr

1312 Clarinet: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

18739 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Fiterstein, Alexander, 2-4 cr

1313 Saxophone: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

14418 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA,
03:45pm-05:00pm W, . ROOM-TBA, instruction mode:
Classroom; Rousseau, Eugene E, 2-4 cr
22716 002 LAB, 03:35pm-05:30pm M, . ROOM-TBA,
03:45pm-05:00pm W, . ROOM-TBA, instruction mode:
Classroom; Wyatt, Angela J., 2-4 cr

1314 Bassoon: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

14419 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA,
03:45pm-05:00pm W, . ROOM-TBA, instruction mode:
Classroom; Miller Jr, John W, 2-4 cr
23054 002 LAB, 03:35pm-05:30pm M, . ROOM-TBA,
03:45pm-05:00pm W, . ROOM-TBA, instruction mode:
Classroom; Ullery, Charles G, 2-4 cr

1315 French Horn: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

15800 002 LAB, 03:35pm-05:35pm M, . ROOM-TBA,
03:30pm-05:35pm W, . ROOM-TBA, instruction mode:
Classroom; Lemen, Caroline May, 2-4 cr

1316 Trumpet: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

12111 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA,
03:30pm-05:35pm W, . ROOM-TBA, instruction mode:
Classroom; Baldwin, David B, 2-4 cr

1317 Trombone: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

22277 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA,
03:30pm-05:35pm W, . ROOM-TBA, instruction mode:
Classroom; Ashworth, Thomas Jackson, 2-4 cr

1318 Euphonium: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

22278 1001 LAB, 06:00pm-07:00pm T, . ROOM-TBA,
instruction mode: Classroom; Tranter, John Harrington, 2-4
cr

1319 Tuba: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

19949 1001 LAB, 06:00pm-07:00pm T, . ROOM-TBA,
instruction mode: Classroom; Campbell, Steven C, 2-4 cr

1321 Percussion: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

19851 001 LAB, 03:30pm-04:30pm W, . ROOM-TBA,
instruction mode: Classroom; Hey, Philip C, 2-4 cr
14420 002 LAB, 03:30pm-04:30pm W, . ROOM-TBA,
instruction mode: Classroom; Meza, Fernando A., 2-4 cr

1322 Harp: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

12112 001 LAB, instruction mode: Classroom; Kienzle, Kathy,
2-4 cr

1323 Guitar: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

20060 001 LAB, 03:30pm-05:00pm F, . ROOM-TBA,
instruction mode: Classroom; Radovanlija, Maja, 2-4 cr

1401 Piano: Music Major Secondary

(undergraduate)

(max crs 16; 8 repeats allowed; A-F only; prereq Music
major, dept consent)

12254 001 LAB, instruction mode: Classroom; Kim, Soyoun,
2-4 cr
14421 002 LAB, instruction mode: Classroom; Tanaka, Rie,
2-4 cr
20165 003 LAB, instruction mode: Classroom, 2-4 cr

1402 Harpsichord: Music Major Secondary

(undergraduate)

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

22111 001 LAB, instruction mode: Classroom; Billmeyer,
Dean W, 2-4 cr

1403 Organ: Music Major Secondary

(undergraduate)

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

12260 001 LAB, instruction mode: Classroom; Billmeyer,
Dean W, 2-4 cr

1404 Voice: Music Major Secondary

(undergraduate)

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

12261 001 LAB, instruction mode: Classroom; Kozisek, David
Andrew, 2-4 cr
20487 002 LAB, instruction mode: Classroom; Martin, Jeffrey
Alexander, 2-4 cr
21095 003 LAB, instruction mode: Classroom; Olson, Jennifer
Lynn, 2-4 cr

1414 Bassoon: Music Major Secondary

(undergraduate)

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

21848 001 LAB, instruction mode: Classroom; Nielubowski,
Norbert John, 2-4 cr

1418 Euphonium: Music Major Secondary

(undergraduate)

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

23011 001 LAB, instruction mode: Classroom; Tranter, John
Harrington, 2-4 cr

1421 Percussion: Music Major Secondary

(undergraduate)

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

24726 001 LAB, instruction mode: Classroom; Hey, Philip C,
2-4 cr

1423 Guitar: Music Major Secondary

(undergraduate)

(max crs 16; 8 repeats allowed; A-F only; prereq
Audition, dept consent)

23047 001 LAB, instruction mode: Classroom; Hildebrand,
Jacob Alexander, 2-4 cr
23048 002 LAB, instruction mode: Classroom; Barnic, Branko,
2-4 cr
23049 003 LAB, instruction mode: Classroom; , 2-4 cr

1901 Piano: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

14422 1001 LAB, 02:00pm-03:00pm W, . ROOM-TBA,
04:30pm-06:30pm T, . ROOM-TBA, instruction mode:
Classroom; Charlson, Elizabeth Wolff, 2-4 cr

1903 Organ: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

23030 001 LAB, instruction mode: Classroom; Billmeyer,
Dean W, 2-4 cr

1904 Voice: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

14423 001 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA,
instruction mode: Classroom; Del Santo, Jean Marie, 2-4 cr
22930 002 LAB, 02:30pm-03:20pm TTh, . ROOM-TBA,
instruction mode: Classroom; Zaro-Mullins, Wendy, 2-4 cr
21819 003 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA,
instruction mode: Classroom; Zawisza, Philip David, 2-4 cr
24449 004 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA,
instruction mode: Classroom; Zabala, Adriana, 2-4 cr

1905 Violin: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

19852 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA,
instruction mode: Classroom; Bjork, Mark P, 2-4 cr
24724 002 LAB, instruction mode: Classroom; O'Reilly, Sally
P, 2-4 cr

1907 Cello: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

22923 001 LAB, instruction mode: Classroom; Remenikova,
Tanya, 2-4 cr

1909 Flute: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

23107 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA,
03:45pm-05:00pm W, . ROOM-TBA, instruction mode:
Classroom; Bogorad, Julia A, 2-4 cr

1911 Oboe: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

19950 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA,
03:45pm-05:30pm W, . ROOM-TBA, instruction mode:
Classroom; Snow, John D, 2-4 cr

1912 Clarinet: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

19853 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA,
03:45pm-05:00pm W, . ROOM-TBA, instruction mode:
Classroom; Fiterstein, Alexander, 2-4 cr

1916 Trumpet: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

12259 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA,
03:30pm-05:35pm W, . ROOM-TBA, instruction mode:
Classroom; Baldwin, David B, 2-4 cr

1917 Trombone: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

23085 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA,
03:30pm-05:35pm W, . ROOM-TBA, instruction mode:
Classroom; Ashworth, Thomas Jackson, 2-4 cr

1921 Percussion: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

21831 002 LAB, 03:30pm-04:30pm W, . ROOM-TBA,
instruction mode: Classroom; Meza, Fernando A., 2-4 cr

1922 Harp: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

19951 001 LAB, instruction mode: Classroom; Kienzle, Kathy,
2-4 cr

1923 Guitar: Music Major Transfer

(max crs 4; A-F only; prereq Audition, dept consent)

22282 001 LAB, 03:30pm-05:00pm F, . ROOM-TBA,
instruction mode: Classroom; Radovanlija, Maja, 2-4 cr

2201 Piano: Music Ed and BA

(max crs 16; 8 repeats allowed; A-F; prereq [Music
education or BA applied] major, dept consent)

23695 1001 LAB, 02:00pm-03:00pm W, . ROOM-TBA,
04:30pm-06:30pm T, FergH 84, instruction mode:
Classroom; Charlson, Elizabeth Wolff, 2 cr

2204 Voice: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq dept
consent)

23696 001 IND, 02:30pm-03:30pm TTh, . ROOM-TBA,
instruction mode: Classroom; Del Santo, Jean Marie, 2 cr
23697 002 IND, 02:30pm-03:30pm TTh, . ROOM-TBA,
instruction mode: Classroom; Zaro-Mullins, Wendy, 2 cr
23698 003 IND, 02:30pm-03:30pm TTh, . ROOM-TBA,
instruction mode: Classroom; Zabala, Adriana, 2 cr
23699 004 IND, 02:30pm-03:30pm TTh, . ROOM-TBA,
instruction mode: Classroom; De Haan, John, 2 cr
23700 005 IND, 02:30pm-03:30pm TTh, . ROOM-TBA,
instruction mode: Classroom; Zawisza, Philip David, 2 cr

2206 Viola: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq dept
consent)

23701 001 IND, 03:30pm-06:30pm Th, . ROOM-TBA,
instruction mode: Classroom; Konkol, Corey Bernard, 2 cr

2207 Cello: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq dept
consent)

26622 001 IND, 03:30pm-06:30pm Th, . ROOM-TBA,
instruction mode: Classroom; Remenikova, Tanya, 2 cr

2208 Bass: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq dept
consent)

24352 001 IND, instruction mode: Classroom; Brown,
Christopher Craig, 2 cr

2209 Flute: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq dept
consent)

23702 001 IND, 03:35pm-05:30pm M, . ROOM-TBA,
03:45pm-05:30pm W, . ROOM-TBA, instruction mode:
Classroom; Davis, Immanuel, 2 cr

2211 Oboe: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq dept
consent)

23703 001 IND, 03:35pm-05:30pm M, . ROOM-TBA,
03:45pm-05:30pm W, . ROOM-TBA, instruction mode:
Classroom; Snow, John D, 2 cr

2212 Clarinet: Music Education and BA

(max crs 16; 8 repeats allowed; A-F; prereq dept
consent)

26829 001 IND, 03:35pm-05:30pm M, . ROOM-TBA,
03:45pm-05:00pm W, . ROOM-TBA, instruction mode:
Classroom; Fiterstein, Alexander, 2 cr

2213 Saxophone: Music Education and BA
(max crs 16; 8 repeats allowed; A-F; prereq dept consent)

23704 001 IND, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:30pm W, . ROOM-TBA, instruction mode: Classroom; Rousseau, Eugene E, 2 cr
24451 002 IND, instruction mode: Classroom; Wyatt, Angela J., 2 cr

2214 Bassoon: Music Education and BA
(max crs 16; 8 repeats allowed; A-F; prereq dept consent)

26612 001 IND, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Miller Jr, John W, 2 cr

2215 French Horn: Music Education and BA
(max crs 16; 8 repeats allowed; A-F; prereq dept consent)

23705 001 IND, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Lemen, Caroline May, 2 cr

2216 Trumpet: Music Education and BA
(max crs 16; 8 repeats allowed; A-F; prereq dept consent)

23706 001 IND, 03:35pm-05:35pm M, . ROOM-TBA, 03:35pm-05:30pm W, . ROOM-TBA, instruction mode: Classroom; Baldwin, David B, 2 cr

2217 Trombone: Music Education and BA
(max crs 16; 8 repeats allowed; A-F; prereq dept consent)

23707 001 IND, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Ashworth, Thomas Jackson, 2 cr

2219 Tuba: Music Education and BA
(max crs 16; 8 repeats allowed; A-F; prereq dept consent)

26411 1001 IND, 06:00pm-07:00pm T, . ROOM-TBA, instruction mode: Classroom; Campbell, Steven C, 2 cr

2221 Percussion: Music Education and BA
(max crs 16; 8 repeats allowed; A-F; prereq dept consent)

23708 001 IND, 03:30pm-04:30pm W, . ROOM-TBA, instruction mode: Classroom; Meza, Fernando A., 2 cr
26911 002 IND, instruction mode: Classroom; Hey, Philip C, 2 cr

2222 Harp: Music Education and BA
(max crs 16; 8 repeats allowed; A-F; prereq dept consent)

26555 001 IND, instruction mode: Classroom; Kienzle, Kathy, 2 cr

2223 Guitar: Music Education and BA
(max crs 16; 8 repeats allowed; A-F; prereq dept consent)

23709 001 IND, 03:30pm-05:00pm F, . ROOM-TBA, instruction mode: Classroom; Radovanlija, Maja, 2 cr

2301 Piano: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

21821 001 LAB, 04:30pm-06:30pm T, FergH 84, 12:00pm-02:00pm Th, . ROOM-TBA, instruction mode: Classroom; Artymiw, Lydia, 2-4 cr
22754 1002 LAB, 02:00pm-03:30pm F, FergH 84, 04:30pm-06:30pm T, FergH 84, instruction mode: Classroom; Braginsky, Alexander, 2-4 cr
22755 1003 LAB, 02:00pm-03:00pm W, . ROOM-TBA, 04:30pm-06:30pm T, FergH 84, instruction mode: Classroom; Charlson, Elizabeth Wolff, 2-4 cr

2303 Organ: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

14462 001 LAB, instruction mode: Classroom; Billmeyer, Dean W, 2-4 cr

2304 Voice: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

14465 001 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Del Santo, Jean Marie, 2-4 cr
22763 002 LAB, 02:30pm-03:30pm Th, . ROOM-TBA, instruction mode: Classroom; Zaro-Mullins, Wendy, 2-4 cr
22764 003 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zabala, Adriana, 2-4 cr
22765 004 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; De Haan, John, 2-4 cr

22766 005 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zawisza, Philip David, 2-4 cr

2305 Violin: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

21832 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Bjork, Mark P, 2-4 cr
22767 002 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Kim, Young-Nam, 2-4 cr
22768 003 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; O'Reilly, Sally P, 2-4 cr

2306 Viola: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

14466 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Konkol, Korey Bernard, 2-4 cr

2307 Cello: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

22976 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Remenikova, Tanya, 2-4 cr

2308 Double Bass: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

20019 1001 LAB, 03:30pm-05:30pm W, . ROOM-TBA, 05:00pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Meets with: 12110 MUSA 1308, 12233 MUSA 8308; Brown, Christopher Craig, 2-4 cr

2309 Flute: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

19952 002 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Davis, Immanuel, 2-4 cr

2311 Oboe: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

20061 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Snow, John D, 2-4 cr

2312 Clarinet: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

14467 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Fiterstein, Alexander, 2-4 cr

2313 Saxophone: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

22975 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Rousseau, Eugene E, 2-4 cr

2314 Bassoon: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

22978 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Ullery, Charles G, 2-4 cr

2315 French Horn: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

23009 002 LAB, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Lemen, Caroline May, 2-4 cr

2316 Trumpet: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

14468 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Baldwin, David B, 2-4 cr

2317 Trombone: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

14469 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Ashworth, Thomas Jackson, 2-4 cr

2318 Euphonium: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

19953 1001 LAB, 06:00pm-07:00pm T, . ROOM-TBA, instruction mode: Classroom; Tranter, John Harrington, 2-4 cr

2319 Tuba: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

22279 1001 LAB, 06:00pm-07:00pm T, . ROOM-TBA, instruction mode: Classroom; Campbell, Steven C, 2-4 cr

2321 Percussion: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

21833 002 LAB, instruction mode: Classroom; Meza, Fernando A., 2-4 cr

2322 Harp: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

19954 001 LAB, instruction mode: Classroom; Kienzle, Kathy, 2-4 cr

2323 Guitar: Music Major

(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)

22283 001 LAB, instruction mode: Classroom; Radovanlija, Maja, 2-4 cr

3101 Piano: Elective (non-major in music)

(max crs 16; 4 repeats allowed; A-F only; prereq dept consent)

17445 001 LAB, instruction mode: Classroom; Students interested in being placed for piano lessons must submit a completed Elective Lessons Request Form to 100 Ferguson Hall. This form is available at: <https://www.music.umn.edu/current-students/electivelessons>; Charlson, Elizabeth Wolff, 2-4 cr

23008 002 LAB, instruction mode: Classroom; Students interested in being placed for piano lessons must submit a completed Elective Lessons Request Form to 100 Ferguson Hall. This form is available at: <https://www.music.umn.edu/current-students/electivelessons>; Kim, Soyoun, 2-4 cr

26987 003 LAB, instruction mode: Classroom; Tanaka, Rie, 2-4 cr

3104 Voice: Elective (non-major in music)

(max crs 16; 4 repeats allowed; A-F only; prereq dept consent)

20076 001 LAB, instruction mode: Classroom; Students interested in being placed for voice lessons must submit a completed Elective Lessons Request Form to 100 Ferguson Hall. This form is available at: <https://www.music.umn.edu/current-students/electivelessons>; Zawisza, Philip David, 2-4 cr

23045 002 LAB, instruction mode: Classroom; Del Santo, Jean Marie, 2-4 cr

26830 003 LAB, instruction mode: Classroom; Kozisek, David Andrew, 2-4 cr

26831 004 LAB, instruction mode: Classroom; Martin, Jeffrey Alexander, 2-4 cr

26832 005 LAB, instruction mode: Classroom; Olson, Jennifer Lynn, 2-4 cr

3123 Guitar: Elective (non-major in music)

(max crs 16; 4 repeats allowed; A-F only; prereq dept consent)

23046 001 LAB, instruction mode: Classroom, 2-4 cr
23097 002 LAB, instruction mode: Classroom; Barnic, Branko, 2-4 cr

3204 Voice: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

24080 001 IND, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Del Santo, Jean Marie, 2 cr
24390 002 IND, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zaro-Mullins, Wendy, 2 cr
24736 003 IND, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zabala, Adriana, 2 cr
25070 004 IND, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; De Haan, John, 2 cr
25071 005 IND, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zawisza, Philip David, 2 cr

3206 Viola: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

26559 001 IND, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Konkol, Korey Bernard, 2 cr

3207 Cello: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

24462 001 IND, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Remenikova, Tanya, 2 cr

3209 Flute: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

24770 001 IND, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Bogorad, Julia A, 2 cr
26632 002 IND, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Davis, Immanuel, 2 cr

3211 Oboe: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

26917 001 IND, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Snow, John D, 2 cr

3213 Saxophone: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

26615 001 IND, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Rousseau, Eugene E, 2 cr

3215 French Horn: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

26610 001 IND, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Lemen, Caroline May, 2 cr

3216 Trumpet: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

26552 001 IND, 03:35pm-05:35pm M, . ROOM-TBA, 03:35pm-05:30pm W, . ROOM-TBA, instruction mode: Classroom; Baldwin, David B, 2 cr

3217 Trombone: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

26558 001 IND, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Ashworth, Thomas Jackson, 2 cr

3219 Tuba: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

26609 001 IND, 06:00pm-07:00pm T, . ROOM-TBA, instruction mode: Classroom; Campbell, Steven C, 2 cr

3221 Percussion: Music Education and BA

(max crs 16; 8 repeats allowed; A-F)

26611 001 IND, 03:30pm-04:30pm W, . ROOM-TBA, instruction mode: Classroom; Meza, Fernando A., 2 cr

3223 Guitar: Music Education and BA

(max crs 6; 3 repeats allowed; A-F; prereq Audition, dept consent)

26136 001 LAB, 03:30pm-05:00pm F, . ROOM-TBA, instruction mode: Classroom; Radovanlija, Maja, 2 cr

3301 Piano: Music Major

(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)

21824 001 LAB, 04:30pm-06:30pm T, FergH 84, 12:00pm-02:00pm Th, . ROOM-TBA, instruction mode: Classroom; Artymiw, Lydia, 2-4 cr
21825 002 LAB, 02:00pm-03:30pm F, FergH 84, 04:30pm-06:30pm T, FergH 84, instruction mode: Classroom; Braginsky, Alexander, 2-4 cr
22756 003 LAB, 02:00pm-03:00pm W, FergH 84, 12:00pm-02:00pm T, FergH 84, instruction mode: Classroom; Charlson, Elizabeth Wolff, 2-4 cr

3303 Organ: Music Major

(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)

19955 001 LAB, instruction mode: Classroom; Billmeyer, Dean W, 2-4 cr

3304 Voice: Music Major

(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)

12124 001 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Del Santo, Jean Marie, 2-4 cr
14424 002 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zaro-Mullins, Wendy, 2-4 cr
14425 003 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zabala, Adriana, 2-4 cr
14426 004 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; De Haan, John, 2-4 cr
19862 005 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zawisza, Philip David, 2-4 cr

3305 Violin: Music Major

(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)

12125 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Bjork, Mark P, 2-4 cr
20981 002 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Kim, Young-Nam, 2-4 cr

19863 003 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; O'Reilly, Sally P, 2-4 cr

3306 Viola: Music Major

(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)

12159 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Konkol, Korey Bernard, 2-4 cr

3307 Cello: Music Major

(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)

12160 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Remenikova, Tanya, 2-4 cr

3308 Double Bass: Music Major

(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)

22974 001 LAB, 03:30pm-05:30pm W, FergH 81, 05:00pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Brown, Christopher Craig, 2-4 cr

3309 Flute: Music Major

(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)

12161 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Bogorad, Julia A, 2-4 cr
14427 002 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Davis, Immanuel, 2-4 cr

3311 Oboe: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

20062 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Snow, John D, 2-4 cr

3312 Clarinet: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

12162 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Fiterstein, Alexander, 2-4 cr

3313 Saxophone: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

14428 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Rousseau, Eugene E, 2-4 cr
23228 002 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Wyatt, Angela J., 2-4 cr

3314 Bassoon: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

12163 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Miller Jr, John W, 2-4 cr
26903 002 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Ulleny, Charles G, 2-4 cr
26941 003 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Nielubowski, Norbert John, 2-4 cr

3315 French Horn: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

14429 002 LAB, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Lemen, Caroline May, 2-4 cr

3316 Trumpet: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

12164 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Baldwin, David B, 2-4 cr

3317 Trombone: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

12165 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Ashworth, Thomas Jackson, 2-4 cr

3318 Euphonium: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

22280 001 LAB, 06:00pm-07:00pm T, . ROOM-TBA, instruction mode: Classroom; Tranter, John Harrington, 2-4 cr

3319 Tuba: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

22281 001 LAB, 06:00pm-07:00pm T, . ROOM-TBA, instruction mode: Classroom; Campbell, Steven C, 2-4 cr

3321 Percussion: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

12166 001 LAB, instruction mode: Classroom; Hey, Philip C, 2-4 cr
14430 002 LAB, instruction mode: Classroom; Meza, Fernando A., 2-4 cr

3322 Harp: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

23007 001 LAB, instruction mode: Classroom; Kienzle, Kathy, 2-4 cr

3323 Guitar: Music Major

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

17968 001 LAB, 03:30pm-05:00pm F, . ROOM-TBA, instruction mode: Classroom; Radovanlija, Maja, 2-4 cr

5101 Piano: Elective (graduate non-major in music)

(max crs 8; 4 repeats allowed; A-F only; prereq dept consent)

24616 001 LAB, instruction mode: Classroom; Kim, Soyoun, 2 cr

5103 Organ: Elective (graduate non-major in music)

(max crs 8; 4 repeats allowed; A-F only; prereq dept consent)

24711 001 LAB, instruction mode: Classroom; Billmeyer, Dean W, 2 cr

5104 Voice: Elective (graduate non-major in music)

(max crs 8; 4 repeats allowed; A-F only; prereq dept consent)

23287 001 LAB, instruction mode: Classroom, 2 cr

5401 Piano: Music Major Secondary (graduate)

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

19864 001 LAB, instruction mode: Classroom; Charlson, Elizabeth Wolff, 2-4 cr
23329 002 LAB, instruction mode: Classroom; Quenneville-Belair, Gabriel, 2-4 cr

5402 Harpsichord: Music Major Secondary (graduate)

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

26465 001 LAB, instruction mode: Classroom; Billmeyer, Dean W, 2-4 cr

5403 Organ: Music Major Secondary (graduate)

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

12858 001 LAB, instruction mode: Classroom; Billmeyer, Dean W, 2-4 cr

5404 Voice: Music Major Secondary (graduate)

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

19956 001 LAB, instruction mode: Classroom; Del Santo, Jean Marie, 2-4 cr
26899 004 LAB, instruction mode: Classroom; De Haan, John, 2-4 cr
26939 005 LAB, instruction mode: Classroom; Zabala, Adriana, 2-4 cr
22087 006 LAB, instruction mode: Classroom; Zawisza, Philip David, 2-4 cr

5409 Flute: Music Major Secondary (graduate)

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

24764 001 LAB, instruction mode: Classroom; Davis, Immanuel, 2-4 cr

5414 Bassoon: Music Major Secondary (graduate)

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

23307 001 LAB, instruction mode: Classroom; Nielubowski, Norbert John, 2-4 cr
24747 002 LAB, instruction mode: Classroom; Ullery, Charles G, 2-4 cr**5415 French Horn: Music Major Secondary (graduate)**

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

24742 001 LAB, instruction mode: Classroom; Lemen, Caroline May, 2-4 cr

5416 Trumpet: Music Major Secondary (graduate)

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

26872 001 LAB, instruction mode: Classroom; Baldwin, David B, 2-4 cr

5417 Trombone: Music Major Secondary (graduate)

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

22113 001 LAB, instruction mode: Classroom, 2-4 cr

5418 Baritone: Music Major Secondary (graduate)

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

23346 001 LAB, instruction mode: Classroom; Ashworth, Thomas Jackson, 2-4 cr

5423 Guitar: Music Major Secondary (graduate)

(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)

20512 001 LAB, instruction mode: Classroom; Radovanlija, Maja, 2-4 cr

8301 Piano: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12216 001 LAB, 04:30pm-06:30pm T, FergH 84, 12:00pm-02:00pm Th, FergH 84, instruction mode: Classroom; Artymiw, Lydia, 2-4 cr
14431 002 LAB, 02:00pm-03:30pm F, FergH 84, instruction mode: Classroom; Braginsky, Alexander, 2-4 cr
22757 003 LAB, 02:00pm-03:00pm W, FergH 84, 04:30pm-06:30pm T, FergH 84, instruction mode: Classroom; Charlson, Elizabeth Wolff, 2-4 cr**8303 Organ: Music Major (graduate)**

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12218 001 LAB, 01:25pm-02:15pm T, . ROOM-TBA, instruction mode: Classroom; Billmeyer, Dean W, 2-4 cr

8304 Voice: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12229 001 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Del Santo, Jean Marie, 2-4 cr
14432 002 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zaro-Mullins, Wendy, 2-4 cr
14433 003 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zabala, Adriana, 2-4 cr
14434 004 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; De Haan, John, 2-4 cr
19865 005 LAB, 02:30pm-03:30pm TTh, . ROOM-TBA, instruction mode: Classroom; Zawisza, Philip David, 2-4 cr**8305 Violin: Music Major (graduate)**

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12230 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Bjork, Mark P, 2-4 cr
14435 002 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Kim, Young-Nam, 2-4 cr
14436 003 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; O'Reilly, Sally P, 2-4 cr**8306 Viola: Music Major (graduate)**

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12231 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Konkol, Korey Bernard, 2-4 cr

23311 002 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Thatcher, Sabina, 2-4 cr

8307 Cello: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12232 001 LAB, 03:30pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Remenkova, Tanya, 2-4 cr

8308 Double Bass: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12233 001 LAB, 03:30pm-05:30pm W, . ROOM-TBA, 05:00pm-06:30pm Th, . ROOM-TBA, instruction mode: Classroom; Meets with: 12110 MUSA 1308, 20019 MUSA 2308; Brown, Christopher Craig, 2-4 cr

8309 Flute: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12234 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Bogorad, Julia A, 2-4 cr
14437 002 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Davis, Immanuel, 2-4 cr**8311 Oboe: Music Major (graduate)**

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

20063 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Snow, John D, 2-4 cr

8312 Clarinet: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12237 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Fiterstein, Alexander, 2-4 cr

8313 Saxophone: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

14438 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Rousseau, Eugene E, 2-4 cr

8314 Bassoon: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12238 001 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Miller Jr, John W, 2-4 cr
23280 002 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Ullery, Charles G, 2-4 cr
24748 003 LAB, 03:35pm-05:30pm M, . ROOM-TBA, 03:45pm-05:00pm W, . ROOM-TBA, instruction mode: Classroom; Nielubowski, Norbert John, 2-4 cr**8315 French Horn: Music Major (graduate)**

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12239 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Lemen, Caroline May, 2-4 cr

8316 Trumpet: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12242 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Baldwin, David B, 2-4 cr

8317 Trombone: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12250 001 LAB, 03:35pm-05:35pm M, . ROOM-TBA, 03:30pm-05:35pm W, . ROOM-TBA, instruction mode: Classroom; Ashworth, Thomas Jackson, 2-4 cr
26874 002 LAB, instruction mode: Classroom; Tranter, John Harrington, 2-4 cr**8318 Euphonium: Music Major (graduate)**

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

19957 001 LAB, 06:00pm-07:00pm T, . ROOM-TBA, instruction mode: Classroom; Tranter, John Harrington, 2-4 cr

8319 Tuba: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12251 001 LAB, 06:00pm-07:00pm T, . ROOM-TBA, instruction mode: Classroom; Campbell, Steven C, 2-4 cr

8321 Percussion: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

14740 002 LAB, instruction mode: Classroom; Meza, Fernando A., 2-4 cr

8323 Guitar: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12252 001 LAB, 03:30pm-05:00pm F, . ROOM-TBA, instruction mode: Classroom; Radovanlija, Maja, 2-4 cr

8324 Accompanying/Coaching: Music Major (graduate)

(max crs 48; 24 repeats allowed; A-F only; prereq Audition, dept consent)

12217 001 LAB, 07:30pm-09:00pm T, . ROOM-TBA, 09:00am-11:00am Th, . ROOM-TBA, instruction mode: Classroom; Lovelace, Timothy, 2-4 cr

MUSIC EDUCATION (MuEd)100 Ferguson Hall, 2106 4th Street S, West Bank Campus, Minneapolis, MN, 55455
612/624-5740, <http://www.music.umn.edu>**1801 Introduction to Music Therapy**

(A-F only)

11932 001 LEC, 12:20pm-01:10pm MW, FergH 107, instruction mode: Classroom, 2 cr

3011 Music in Childhood

22378 001 LEC, 01:25pm-02:55pm MW, FergH 107, instruction mode: Classroom; Buzza, Timothy D, 3 cr

3101 Improvisation and Creativity in the Music Classroom

(A-F; prereq At least C- in MUS 3502, music education major)

23685 001 LAB, 10:10am-11:00am MW, FergH 81, 10:10am-11:00am MW, FergH 85, instruction mode: Classroom; Currie, Scott; Sorenson, Dean Patrick, 2 cr

3302 General Music II

(A-F only; prereq 3301 with a grade of at least C-)

19744 001 LEC, 10:00am-11:45am TTh, FergH 107, instruction mode: Classroom; Addo PhD, Akosua O, 3 cr

3416 Choral Conducting and Methods II

(A-F only; prereq 3415 with grade of at least C-, MUS 3502, MUS 3512, [music education major or instr consent])

23648 001 LAB, 08:00am-09:45am TTh, FergH 107, instruction mode: Classroom; Hamann, Keitha Lucas, 3 cr

3417 Style, Pedagogy, and Diction in the Choral Music Classroom I

(A-F; prereq Music education major, two semesters of applied voice at college level)

23647 001 LAB, 11:15am-12:05pm TTh, FergH 149, instruction mode: Classroom; Zaro-Mullins, Wendy, 2 cr

3419 Advanced Conducting and Repertoire (Choral)

(A-F; prereq 3416, MUS 3401, MUS 3502, MUS 3512, music education major [choral])

26193 001 LAB, 08:00am-09:45am TTh, . ROOM-TBA, instruction mode: Classroom; Mehaffey, Matthew Wayne, 2 cr

3504 Brass Techniques and Teaching

(max crs 3; A-F only; prereq Music ed or music therapy major or instr consent)

14707 001 LEC, 12:20pm-01:10pm MWF, FergH 95, instruction mode: Classroom; Rolandson, David Martin, 2 cr

3505 Percussion Techniques and Teaching

(max crs 3; A-F only; prereq Music ed or music therapy major or instr consent)

14708 001 LEC, 10:10am-11:00am MWF, FergH 95, instruction mode: Classroom; Johnston, Jeremy Raymond, 2 cr

3517 Instrumental Methods and Conducting II

(A-F only; prereq 3516, MUS 3502, MUS 3512, music educ major, dept consent)

34448 001 LEC, instruction mode: Classroom; Sindberg PhD, Laura K, 3 cr

3519 Advanced Conducting and Repertoire (Instrumental)

(A-F; prereq 3517, MUS 3502, MUS 3512, music education major, dept consent)

20319 001 LAB, 12:20pm-01:10pm TTh, FergH 85, instruction mode: Classroom; Luckhardt, Jerry M, 2 cr

3802 Guitar I for Music Education and Music Therapy Majors: Developing Group Songleading Skills

(A-F; prereq [Music therapy or music education major], dept consent)

19746 001 LAB, 08:00am-08:50am MW, FergH 90, instruction mode: Classroom; Schwartzberg, Edward Todd, 2 cr

5350 Student Teaching in Classroom Music (max crs 8; A-F only; prereq Music ed major, instr consent)

11802 001 FWK, instruction mode: Classroom; Addo PhD, Akosua O, 4-8 cr

5450 Student Teaching in Vocal Music (max crs 8; A-F only; prereq Music ed major, instr consent; Credit will not be granted if the student has already completed MuEd 3450)

11801 001 FWK, instruction mode: Classroom; Hamann, Keitha Lucas, 4-8 cr

5550 Student Teaching in Instrumental Music

(max crs 8; A-F only; prereq Music ed major, instr consent; Credit will not be granted if the student has already completed MuEd 3550)

11369 001 FWK, instruction mode: Classroom; Sindberg PhD, Laura K, 4-8 cr

5650 Student Teaching Seminar

(A-F only; prereq At least C- in all required [music, music education, professional education] courses; Credit will not be granted if the student has already completed MuEd 3650)

14741 001 LEC, 03:35pm-05:15pm T, FergH 107, instruction mode: Classroom; Hamann, Keitha Lucas, 2 cr

5669 Psychology of Music

(A-F only; prereq Psy 1001 or Psy 3604 or instr consent)

18953 1001 DIS, 04:30pm-07:00pm Th, FergH 107, instruction mode: Classroom; Lipscomb, Scott D., 3 cr

5750 Topics in Music Education

(max crs 16; 4 repeats allowed; A-F only; prereq Grad student in [music education/therapy or education] or instr consent)

34447 001 LEC, instruction mode: Classroom; Classroom & Community; Myers, David E, 1-4 cr

5803 Therapeutic Management in Music Settings

(A-F; prereq [5804, 5805] or instr consent)

19303 001 LEC, 10:10am-11:00am MWThF, FergH 151, instruction mode: Classroom; Silverman, Michael J, 4 cr

5804 Music Therapy Methods and Procedures I

(A-F only; prereq 5800 or instr consent; Credit will not be granted if the student has already completed MuEd 3804)

18954 001 LEC, 09:05am-09:55am MWThF, FergH 151, instruction mode: Classroom; Schwartzberg, Edward Todd, 4 cr

5807 Psychiatric Music Therapy

(max crs 4; A-F; prereq Grad music therapy student or instr consent)

19745 001 LEC, 11:15am-12:05pm MWF, FergH 151, instruction mode: Classroom; Silverman, Michael J, 3-4 cr

5855 Music Therapy Internship

(max crs 13; S-N only; prereq Music therapy major, instr consent; Credit will not be granted if the student has already completed MuEd 3855)

13357 001 FWK, instruction mode: Classroom; Silverman, Michael J, 1-13 cr

5991 Independent Study

(max crs 8; 8 repeats allowed; A-F only; prereq Music ed or music therapy major or grad, instr consent, dept consent)

11646 001 IND, instruction mode: Classroom, 1-4 cr

8112 Introduction to Research Methods and Design in Arts Education

(A-F only; prereq Grad student in [music or music education], dept consent)

34445 001 LEC, instruction mode: Classroom; Lipscomb, Scott D., 3 cr

8210 Advanced Music Teaching Seminar (max crs 3; 3 repeats allowed; A-F; prereq Grad student in music education or with music teaching license)

25705 1001 LEC, 06:00pm-07:45pm T, FergH 157, 06:00pm-07:45pm T, FergH 157, 06:00pm-07:45pm T, FergH 157, instruction mode: Classroom; Hamann, Keitha Lucas, 1 cr

8212 Curriculum Design in Music Education

(A-F; prereq Grad student in music education or instr consent)

34449 001 LEC, instruction mode: Classroom; Sindberg PhD, Laura K, 3 cr

8280 Seminar: Current Trends in Music Education

(max crs 30; 10 repeats allowed; A-F; prereq dept consent)

34444 001 LEC, instruction mode: Classroom; Addo PhD, Akosua O, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13994 001 IND, instruction mode: Classroom, 1 cr

8880 Master's Research Project

(max crs 12; A-F; prereq Grad music ed major, instr consent)

11803 001 IND, instruction mode: Classroom, 3-6 cr

8900 Seminar: Music Education Doctoral Seminar

(max crs 8; 8 repeats allowed; A-F; prereq dept consent)

18151 001 LEC, 10:00am-11:30am W, FergH 157, instruction mode: Classroom; Hamann, Keitha Lucas, 1 cr

8994 Directed Research

(max crs 8; A-F only; prereq instr consent)

11931 001 IND, instruction mode: Classroom, 1-8 cr

NATURAL RESOURCES SCIENCE AND MANAGEMENT (NR)

105 Green Hall, 1530 Cleveland Avenue North, St Paul Campus, St Paul, MN, 55108
612/624-7683, <http://www.nrsm.umn.edu>

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13968 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14104 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14223 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14307 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required. Must be doctoral student with advisor's consent to register.)

13742 001 IND, instruction mode: Classroom, 1-24 cr

NAVAL SCIENCE (Nav)

203 Armory, 15 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-6677, <http://www1.umn.edu/nrotc>

1000 Professional Training in Naval Science

(S-N only; prereq enrolled in NROTC)

13134 001 LAB, 06:15am-08:50am T, Armory 202, instruction mode: Classroom; STUDENT MUST BE ADMITTED TO NAVAL ROTC PROGRAM, MARINE CORPS OR NAVY OPTION; Meets with: 13135 NAV 2000, 13136 NAV 3000, 13137 NAV 4000; Jiabia, Michael Francis, 1 cr

1101 Introduction to Naval Science

(A-F only)

12937 001 LEC, 10:30am-11:45am TTh, Armory 202, instruction mode: Classroom; Bastemeyer, Devin James, 3 cr

2000 Professional Training in Naval Science

(S-N only; prereq Soph enrolled in NROTC)

13135 001 LAB, 06:15am-08:50am T, Armory 202, instruction mode: Classroom; Meets with: 13134 NAV 1000, 13136 NAV 3000, 13137 NAV 4000; Jiabia, Michael Francis, 1 cr

2201 Ship Systems I: Naval Engineering (A-F only)

19964 001 LEC, 09:05am-10:20am TTh, Armory 205, instruction mode: Classroom; Course offered every year in fall semester. Students must be enrolled in Naval ROTC or have instructor permission to register. For permission, call (612) 625-6677 or visit 203 Armory.; Gustafson, Tyler William, 3 cr

3000 Professional Training in Naval Science

(S-N only; prereq Jr enrolled in NROTC)

13136 001 LAB, 06:15am-08:50am T, Armory 202, instruction mode: Classroom; Meets with: 13134 NAV 1000, 13135 NAV 2000, 13137 NAV 4000; Jiabia, Michael Francis, 1 cr

3302 Navigation II: Seamanship and Ship Operations

(A-F only; prereq 3301)

19965 001 LEC, 09:05am-10:20am TTh, Armory 202, instruction mode: Classroom; Course offered every year in fall semester. Students must be enrolled in Naval ROTC or have instructor permission to register. For permission, call (612) 625-6677 or visit 203 Armory.; Switzer, Eric Michael, 3 cr

4000 Professional Training in Naval Science

(max crs 4; 4 repeats allowed; S-N only; prereq Sr enrolled in NROTC)

13137 001 LAB, 06:15am-08:50am T, Armory 202, instruction mode: Classroom; Meets with: 13134 NAV 1000, 13135 NAV 2000, 13136 NAV 3000; Jiabia, Michael Francis, 1 cr

4401W Leadership and Management I

(A-F only; meets CLE req of Writing Intensive)

12938 001 LEC, 10:30am-11:45am TTh, Armory 205, instruction mode: Classroom; Course offered every year in fall semester. Students must be enrolled in Naval ROTC or have instructor permission to register. For permission, call (612) 625-6677 or visit 203 Armory.; Krueger, Jason August, 3 cr

4410 Amphibious Warfare

(A-F only)

26381 001 LEC, 12:45pm-02:00pm TTh, Armory 205, instruction mode: Classroom; Jiabia, Michael Francis, 3 cr

NEUROLOGY (Neur)

12-100 Phillips Wengensteen Bldg (Box 295 UMHC), 516 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9900, <http://www.neurology.umn.edu>

5230 Cerebrovascular Hemodynamics and Diseases I

(A-F; prereq [[PHSL 3051 or PHSL 3063], [MATH 1271 or MATH 1371], [MATH 1272 or MATH 1372], [PHYS 1201W or PHYS 1301W], instr consent] or [grad student, [PHSL 5061 or instr consent]])

22088 001 LEC, 04:30pm-06:30pm MW, Room TBA, TCEASTBANK, instruction mode: Classroom; Divani, Afshin Andre, 4 cr

7120 Selected Problems in Neurology (max crs 15; HNV)

12476 001 IND, 08/03/15-10/16/15, instruction mode: Classroom; Walk, David, 1-15 cr
12477 002 IND, 08/03/15-12/23/15, instruction mode: Classroom; Walk, David, 1-15 cr
12478 003 IND, 08/03/15-12/23/15, instruction mode: Classroom; Walk, David, 1-15 cr
12479 004 IND, 10/17/15-12/23/15, instruction mode: Classroom; Walk, David, 1-15 cr
12480 005 IND, 08/06/15-01/28/16, instruction mode: Classroom; Walk, David, 1-15 cr

7124 Sleep Disorders Medicine - Externship (HNV)

12481 001 FWK, 08/03/15-10/16/15, instruction mode: Classroom; Pusalavidyasagar, Snigdha, 2 cr
12482 002 FWK, 08/03/15-10/16/15, instruction mode: Classroom; Pusalavidyasagar, Snigdha, 2 cr
12483 003 FWK, 08/03/15-10/16/15, instruction mode: Classroom; Gustafson, Thomas P, 2 cr
12484 004 FWK, 08/03/15-10/16/15, instruction mode: Classroom; Gustafson, Thomas P, 2 cr
12485 005 FWK, 08/03/15-10/16/15, instruction mode: Classroom; Gustafson, Thomas P, 2 cr
17126 006 FWK, 08/03/15-10/16/15, instruction mode: Classroom; Iber, Conrad, 2 cr
17127 007 FWK, 08/03/15-10/16/15, instruction mode: Classroom; Gustafson, Thomas P, 2 cr
17128 008 FWK, 08/03/15-10/16/15, instruction mode: Classroom; Pusalavidyasagar, Snigdha, 2 cr
17591 009 FWK, 10/17/15-12/23/15, instruction mode: Classroom; Gustafson, Thomas P, 2 cr
17592 010 FWK, 10/17/15-12/23/15, instruction mode: Classroom; Pusalavidyasagar, Snigdha, 2 cr
25255 011 FWK, 10/17/15-12/23/15, instruction mode: Classroom; Gustafson, Thomas P, 2 cr
25256 012 FWK, 10/17/15-12/23/15, instruction mode: Classroom; Pusalavidyasagar, Snigdha, 2 cr
25257 013 FWK, 10/17/15-12/23/15, instruction mode: Classroom; Gustafson, Thomas P, 2 cr
25258 014 FWK, 10/17/15-12/23/15, instruction mode: Classroom; Pusalavidyasagar, Snigdha, 2 cr
25259 015 FWK, 10/17/15-12/23/15, instruction mode: Classroom; Gustafson, Thomas P, 2 cr
25260 016 FWK, 10/17/15-12/23/15, instruction mode: Classroom; Pusalavidyasagar, Snigdha, 2 cr
25261 017 FWK, 10/17/15-12/23/15, instruction mode: Classroom; Pusalavidyasagar, Snigdha, 2 cr
25262 018 FWK, 08/06/15-01/28/16, instruction mode: Classroom; Pusalavidyasagar, Snigdha, 2 cr

7510 Externship in Clinical Neurology (HNV)

12486 001 FWK, 08:00am-06:00pm MTWThF, Room TBA, TCEASTBANK, 08/03/15-10/16/15, 07:30am-11:00am F, Room TBA, TCEASTBANK, 08/03/15-10/16/15, instruction mode: Classroom; Final exam needs to take place in Diehl Hall Learning Commons; Fiol MD, Miguel E, 4 cr
12487 002 FWK, 08:00am-06:00pm MTWThF, Room TBA, TCEASTBANK, 10/17/15-12/23/15, 07:30am-11:00am F, Room TBA, TCEASTBANK, 10/17/15-12/23/15, instruction mode: Classroom; Final exam needs to take place in Diehl Hall Learning Commons; Fiol MD, Miguel E, 4 cr
12488 003 FWK, 08:00am-06:00pm MTWThF, Room TBA, TCEASTBANK, 08/03/15-10/16/15, 07:30am-11:00am F, Room TBA, TCEASTBANK, 08/03/15-10/16/15, instruction mode: Classroom; Final exam needs to take place in Diehl Hall Learning Commons; Fiol MD, Miguel E, 4 cr
17117 004 FWK, 08:00am-06:00pm MTWThF, Room TBA, TCEASTBANK, 08/06/15-01/28/16, 07:30am-11:00am F, Room TBA, TCEASTBANK, 08/06/15-01/28/16, instruction mode: Classroom; Final exam needs to take place in Diehl Hall Learning Commons; Fiol MD, Miguel E, 4 cr
17118 005 FWK, 08:00am-06:00pm MTWThF, Room TBA, TCEASTBANK, 08/06/15-01/28/16, 07:30am-11:00am F, Room TBA, TCEASTBANK, 08/06/15-01/28/16, instruction mode: Classroom; Final exam needs to take place in Diehl Hall Learning Commons; Fiol MD, Miguel E, 4 cr

7520 Pediatric Neurology Elective

(max crs 4; H-N; prereq The ideal candidate for this elective would have completed both their neurology/pediatric required clerkships. As ensuring completion of this step may be difficult given limited clerkship availability, requests will be considered if at least one of the prerequisites has been completed.

24431 001 ROT, 08/03/15-10/16/15, instruction mode: Classroom; Raymond, Gerald Vincent, 3-4 cr
24432 002 ROT, 08/03/15-10/16/15, instruction mode: Classroom; Raymond, Gerald Vincent, 3-4 cr
24433 003 ROT, 08/03/15-12/23/15, instruction mode: Classroom; Raymond, Gerald Vincent, 3-4 cr
24434 004 ROT, 10/17/15-12/23/15, instruction mode: Classroom; Raymond, Gerald Vincent, 3-4 cr

7565 Neurology Clinical Subspecialty Elective

(max crs 4; H-N; prereq 7510)
17590 001 FWK, 07:30am-05:30pm MTWThF, Room TBA, TCEASTBANK, 08/03/15-10/16/15, instruction mode: Classroom; Walk, David, 2-4 cr

7599 Subinternship in Clinical Neurology (HNV; prereq 7510)

12489 001 ROT, 07:00am-06:00pm MTWThFS, Room TBA, TCEASTBANK, 10/17/15-12/23/15, instruction mode: Classroom; One student each at UMMC and HCMC; Walk, David, 4 cr
17119 002 ROT, 07:00am-06:00pm MTWThFS, Room TBA, TCEASTBANK, 08/03/15-10/16/15, instruction mode: Classroom; One student each at UMMC and HCMC; Walk, David, 4 cr
17120 003 ROT, 07:00am-06:00pm MTWThFS, Room TBA, TCEASTBANK, 08/03/15-10/16/15, instruction mode: Classroom; One student each at UMMC and HCMC; Pierce, Julie; Walk, David, 4 cr
17121 004 ROT, 07:00am-06:00pm MTWThF, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; One student each at UMMC and HCMC; Walk, David, 4 cr
17122 005 ROT, 07:00am-06:00pm MTWThFS, Room TBA, TCEASTBANK, 08/06/15-01/28/16, instruction mode: Classroom; One student each at UMMC and HCMC; Walk, David, 4 cr

7600 Epilepsy Diagnosis and Treatment (HNV)

17578 001 FWK, 08/03/15-10/16/15, instruction mode: Classroom; This individual clinic experience takes place at MINCEP and the hospitals where the physicians do rounds (Abbott Northwestern and Gillette hospitals).; Gumnit MD, Robert J, 2 cr
17579 002 FWK, 08/03/15-10/16/15, instruction mode: Classroom; This individual clinic experience takes place at MINCEP and the hospitals where the physicians do rounds (Abbott Northwestern and Gillette hospitals).; Gumnit MD, Robert J, 2 cr
17580 003 FWK, 08/03/15-10/16/15, instruction mode: Classroom; This individual clinic experience takes place at MINCEP and the hospitals where the physicians do rounds (Abbott Northwestern and Gillette hospitals).; Gumnit MD, Robert J, 2 cr
17581 004 FWK, 08/03/15-10/16/15, instruction mode: Classroom; This individual clinic experience takes place at MINCEP and the hospitals where the physicians do rounds (Abbott Northwestern and Gillette hospitals).; Gumnit MD, Robert J, 2 cr
17582 005 FWK, 08/03/15-12/23/15, instruction mode: Classroom; This individual clinic experience takes place at MINCEP and the hospitals where the physicians do rounds (Abbott Northwestern and Gillette hospitals).; Gumnit MD, Robert J, 2 cr
17583 006 FWK, 10/17/15-12/23/15, instruction mode: Classroom; This individual clinic experience takes place at MINCEP and the hospitals where the physicians do rounds (Abbott Northwestern and Gillette hospitals).; Gumnit MD, Robert J, 2 cr
17584 007 FWK, 10/17/15-12/23/15, instruction mode: Classroom; This individual clinic experience takes place at MINCEP and the hospitals where the physicians do rounds (Abbott Northwestern and Gillette hospitals).; Gumnit MD, Robert J, 2 cr
17585 010 FWK, 08/06/15-01/28/16, instruction mode: Classroom; This individual clinic experience takes place at MINCEP and the hospitals where the physicians do rounds (Abbott Northwestern and Gillette hospitals).; Pierce, Julie; Gumnit MD, Robert J, 2 cr

NEUROSCIENCE (Nsc)

6-145 Jackson Hall, 321 Church St SE, East Bank Campus, Minneapolis, MN, 55455
612/626-6800, <http://www.neuroscience.umn.edu>

5040 Brain Networks: From Connectivity to Dynamics (A-F only)

22044 001 LEC, 02:00pm-04:00pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 24625 CGSC 8360; Amirikian, Bagrat, 4 cr

5461 Cellular and Molecular Neuroscience

(A-F only; prereq Nsc grad student or instr consent)
21715 001 LEC, 08:30am-10:00am MWF, Room TBA, TCEASTBANK, instruction mode: Classroom; Newman, Eric A, 4 cr

5540 Survey of Biomedical Neuroscience

(A-F only; prereq instr consent, intended for members of biomedical community or students with advanced scientific backgrounds)
19988 001 LEC, instruction mode: Classroom, 2 cr
22043 002 LEC, instruction mode: Classroom, 2 cr
21190 003 LEC, instruction mode: Classroom, 2 cr

5551 Itasca Cell and Molecular Neurobiology Laboratory

(S-N only; prereq Neuroscience grad or instr consent)
22042 001 LAB, instruction mode: Classroom, 4 cr

5561 Systems Neuroscience

(A-F only; prereq Nsc grad student or instr consent)
001 LEC, 10:10am-11:00am MWF, Room TBA, TCEASTBANK, instruction mode: Classroom; Website: <http://www.neurosci.umn.edu/courses/5561/5561-home.html>; Honda, Christopher N
14471 002 LAB, 09:00am-12:00pm T, MCB 3-142, instruction mode: Classroom; Honda, Christopher N, 4 cr

8208 Neuropsychopharmacology

(A-F only; prereq [5212, 6112, PSY 5021, PSY 5061] or instr consent)
21184 001 LEC, 02:30pm-05:00pm M, Room TBA, TCWESTBANK, instruction mode: Classroom; This course is offered in even numbered years.; Meets with: 19342 PHCL 8208; Roy, Sabita; Harris, Andrew Charles; Gewirtz, Jonathan C, 3 cr

8217 Systems and Computational Neuroscience

(S-N only; prereq 5561 or instr consent)
11819 001 LEC, 01:00pm-02:30pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Ghose, Geoffrey M, 2 cr

8320 Readings in Neurobiology

(max crs 4; 4 repeats allowed)
14992 011 IND, 03:30pm-04:30pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Pain Journal Club; Contact Person: Carolyn Fairbanks (carfair@med.umn.edu); Meets with: 19389 PHCL 8320; Fairbanks, Carolyn Ann, 1-4 cr
24356 020 IND MTWThF, . ROOM-TBA, instruction mode: Classroom; PAIN MECHANISMS: FROM MOLECULES TO TREATMENT; Wilcox, George L, 1-4 cr

8321 Career Skills and Understanding Responsibilities as a Neuroscientist

(max crs 2; 4 repeats allowed; S-N only; prereq Neuroscience grad major or instr consent)
14983 001 LEC, 12:05pm-01:30pm T, NHH 4-101, instruction mode: Classroom; 1st year Nsc grad students; Engeland, William C, 0.50 cr
14984 002 LEC, 12:00pm-01:30pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; 2nd year Nsc grad students; Engeland, William C, 0.50 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser approval)
13632 001 IND, instruction mode: Classroom, 1 cr

8334 Laboratory Neuroscience

(max crs 10; 10 repeats allowed; S-N only; prereq Grad Nsc major)
11820 001 LAB, instruction mode: Classroom, 1-3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14127 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14247 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA)
13631 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13764 001 IND, instruction mode: Classroom, 1-24 cr

NEUROSCIENCE DEPARTMENT (Nsci)

6-145 Jackson Hall, 321 Church Street SE,
East Bank Campus, Minneapolis, MN, 55455
612/626-6800, <http://www.neurosci.umn.edu>

1001 Fundamental Neuroscience:**Understanding Ourselves**

(A-F; meets CLE req of Technology and Society)
21291 001 LEC, 01:00pm-02:15pm TTh, Room TBA,
TCEASTBANK, instruction mode: Classroom; 40 seats
reserved for freshman; Mermelstein, Paul G; Meisel,
Robert L, 3 cr

1100 Human Neuroanatomy

(meets CLE req of Biological Sciences)
001 LEC, 01:25pm-02:15pm MWF, Room TBA,
TCEASTBANK, instruction mode: Classroom; McLoon,
Steven

22718 002 LAB, 10:10am-12:10pm M, . ROOM-TBA,
instruction mode: Classroom; Lab will be held in MCB
3-146B; McLoon, Steven, 4 cr

22719 003 LAB, 02:30pm-04:30pm M, . ROOM-TBA,
instruction mode: Classroom; Lab will be held in MCB
3-146B; McLoon, Steven, 4 cr

22720 004 LAB, 02:30pm-04:30pm M, . ROOM-TBA,
instruction mode: Classroom; Lab will be held in Moos
3-337; McLoon, Steven, 4 cr

22721 005 LAB, 01:25pm-03:25pm T, . ROOM-TBA,
instruction mode: Classroom; Lab will be held in MCB
3-146B; McLoon, Steven, 4 cr

23095 006 LAB, 10:10am-12:10pm W, . ROOM-TBA,
instruction mode: Classroom; Lab will be held in MCB
3-146A; McLoon, Steven, 4 cr

24347 007 LAB, 10:10am-12:10pm Th, . ROOM-TBA,
instruction mode: Classroom; Lab will be held in MCB
3-146B; McLoon, Steven, 4 cr

25960 008 LAB, 01:25pm-03:25pm Th, . ROOM-TBA,
instruction mode: Classroom, 4 cr

3101 Introduction to Neurobiology I:**Molecular, Cellular, and Systems**

(Credit will not be granted if credit has been received
for: BIOL 3101, PHSL 3101; A-F only; prereq BIOC 3021
(can be taken concurrently) or BIOC 4331)

14687 001 LEC, 09:05am-09:55am MWF, Room TBA,
TCEASTBANK, instruction mode: Classroom; Reserved
seating for CBS transfer student orientation will expire 8/25;
60 seats reserved for CBS Neuroscience; 6 seats reserved
for CBS transfer students; Meets with: 22035 NSCI 5101;
Lanier, Lorene M, 3 cr

4100 Development of the Nervous System:**Cellular and Molecular Mechanisms**

(A-F; prereq BIOC 3021 or BIOC 4331)
19938 001 LEC, 10:10am-11:00am MWF, Room TBA,
TCEASTBANK, instruction mode: Classroom; McLoon,
Steven, 3 cr

4105 Neurobiology Laboratory I

(A-F only; prereq 3101, Instr consent; credit will not
be granted if credit received for: 3105, Biol 3105, Biol
4105, Phsl 3105)

14690 002 LAB, 12:20pm-04:35pm T, MCB 2-124, instruction
mode: Classroom; Dubinsky, Janet M, 3 cr

17136 003 LAB, 01:35pm-05:50pm W, MCB 2-124, instruction
mode: Classroom; Cvetanovic, Marija, 3 cr

26043 004 LAB, 12:20pm-04:35pm Th, Room TBA,
TCEASTBANK, instruction mode: Classroom; Wilcox,
George L, 3 cr

4793W Directed Studies: Writing Intensive

(max crs 42; 7 repeats allowed; S-N only; prereq
instr consent, dept consent; no more than 7 cr of
[4793, 4794, 4993, 4994] may count toward major
requirements; meets CLE req of Writing Intensive)
14590 001 IND, instruction mode: Classroom; Lanier, Lorene
M, 1-6 cr

4794W Directed Research: Writing Intensive

(max crs 42; 7 repeats allowed; S-N only; prereq
instr consent, dept consent; no more than 7 cr of
[4793, 4794, 4993, 4994] may count toward major
requirements; meets CLE req of Writing Intensive)

14591 001 IND, instruction mode: Classroom; Lanier, Lorene
M, 1-6 cr

4993 Directed Studies

(max crs 7; 7 repeats allowed; S-N only; prereq instr
consent, dept consent; max of 7 cr of 4993 and/or
4994 may count toward major requirements)
14592 001 IND, instruction mode: Classroom; Lanier, Lorene
M, 1-7 cr

4994 Directed Research

(max crs 42; 7 repeats allowed; S-N only; prereq instr
consent, dept consent; max of 7 cr of 4993 and/or
4994 may count toward major requirements)
14593 001 IND, instruction mode: Classroom; Lanier, Lorene
M, 1-6 cr

5101 Introduction to Neuroscience for Graduate Students

(A-F only; prereq [BioC 3021 or BioC 4331], dept
consent; intended for grad students outside
neuroscience program who require comprehensive
intro; credit will not be granted if credit received for:
3101 or Biol 3101 or Phsl 3101)
22035 001 LEC, 09:05am-09:55am MWF, Room TBA,
TCEASTBANK, instruction mode: Classroom; Meets with:
14687 NSCI 3101; Lanier, Lorene M, 3 cr

5916 BrainU 101: Neuroscience in the Classroom

(A-F only; prereq instr consent; intended for high
school teachers)
20018 001 LEC, instruction mode: Classroom, 3 cr

NEUROSURGERY (NSu)

D-429 Mayo (Box 96 UMHC), 420 Delaware
Street SE, East Bank Campus, Minneapolis,
MN, 55455
612/624-6666, <http://www.neuro.umn.edu>

5667 Neurobiology of Disease

(Credit will not be granted if credit has been received
for: NSC 5667; max crs 3)
19330 001 LEC, instruction mode: Classroom; , 2-3 cr

7200 Surgical Specialty: Neurosurgery

(max crs 4; P-N only)
12490 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-4 cr
12491 002 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-4 cr
12492 003 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-4 cr
12493 004 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-4 cr
12494 005 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-4 cr
12495 006 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-4 cr
12496 007 FWK, 08/06/15-01/28/16, instruction mode:
Classroom, 2-4 cr

7400 Surgical Specialty: Neurosurgery Elective, Duluth

(max crs 4; HNV)
16916 001 FWK, instruction mode: Classroom, 2-4 cr

7500 Externship at the Fairview-University Hospital

(max crs 6; HNV)
12497 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr
12498 002 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr
12499 003 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr
12500 004 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7510 Externship at the VA Medical Center

(max crs 6; HNV)
12501 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr
12502 002 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

12503 003 FWK, 08/03/15-12/23/15, instruction mode:

Classroom, 2-6 cr

12504 004 FWK, 08/03/15-12/23/15, instruction mode:

Classroom, 2-6 cr

7511 Neurosurgical Externship at Hennepin County Medical Center

(max crs 6; HNV)
12505 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr
12506 002 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr
12507 003 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr
12508 004 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 2-6 cr

7520 Neurosurgical Investigation

(max crs 15; HNV)
12509 002 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr
12510 003 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr
12511 004 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr
12512 005 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr
12513 006 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr
12514 007 IND, 08/06/15-01/28/16, instruction mode:
Classroom, 1-15 cr
12515 025 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr
12516 026 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr
12517 027 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr
12518 028 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr

8318 Neuroradiological Conference

(S-N only)
13648 001 LEC, instruction mode: Classroom, 1 cr

8320 Neurosurgical Conference

(S-N only)
13649 001 LEC, instruction mode: Classroom, 1 cr

NORWEGIAN (Nor)

320 Folwell Hall, 9 Pleasant Street SE, East
Bank Campus, Minneapolis, MN, 55455
612/625-2080, <http://www.gsd.umn.edu>

1001 Beginning Norwegian

(Credit will not be granted if credit has been received
for: NOR 4001)

17082 001 DIS, 10:10am-11:00am MTWThF, FolH 16,
instruction mode: Classroom; Meets with: 13133 NOR
4001; Zmijewska-Emerson, Hanna, 5 cr
11884 002 DIS, 04:40pm-06:50pm MW, KoltH 140,
instruction mode: Classroom; Meets with: 17084 NOR
4001; laneva-Lockney, Arsena, 5 cr

1003 Intermediate Norwegian

(Credit will not be granted if credit has been received
for: NOR 4003; prereq 1002)

17081 001 DIS, 01:25pm-02:15pm MTWThF, FolH 16,
instruction mode: Classroom; Meets with: 17083 NOR
4003; Zmijewska-Emerson, Hanna, 5 cr

4001 Beginning Norwegian

(Credit will not be granted if credit has been received
for: NOR 1001; prereq 1004 in another language or
passing score on LPE or grad student)

13133 001 DIS, 10:10am-11:00am MTWThF, FolH 16,
instruction mode: Classroom; Meets with: 17082 NOR
1001; Zmijewska-Emerson, Hanna, 2 cr
17084 002 DIS, 04:40pm-06:50pm MW, KoltH 140,
instruction mode: Classroom; Meets with: 11884 NOR
1001; laneva-Lockney, Arsena, 2 cr

4003 Intermediate Norwegian

(Credit will not be granted if credit has been received
for: NOR 1003; prereq 1004 in another language or
passing score on LPE or grad student)

17083 001 DIS, 01:25pm-02:15pm MTWThF, FolH 16,
instruction mode: Classroom; Meets with: 17081 NOR
1003; Zmijewska-Emerson, Hanna, 2 cr

NURSING (Nurs)

5-140 Weaver-Densford Hall, 308 Harvard Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-7980, <http://www.nursing.umn.edu>

777 School of Nursing Professional Active Status

(NGA; prereq instr consent)

18703 001 IND, instruction mode: Classroom; For a permission number contact Alicia George, albe0138@umn.edu, 0 cr

1030 Nursing Guarantee Student Seminar (prereq Freshman guarantee student, instr consent)

15629 001 LEC, 01:25pm-02:15pm T, Room TBA, TCEASTBANK, instruction mode: Classroom, 1 cr

2001 Human Growth and Development: A Life Span Approach

16528 001 LEC, 09:05am-12:05pm T, Room TBA, TCEASTBANK, 09/08/15-12/16/15, instruction mode: Classroom; For permission numbers contact ljevge@umn.edu; 10 seats reserved for Freshman and FRFY for Freshman, 3 cr

19668 002 LEC, 01:25pm-04:25pm W, Room TBA, TCEASTBANK, 09/09/15-12/16/15, instruction mode: Classroom; For permission numbers contact ljevge@umn.edu; 10 seats reserved for Freshman and FRFY for Freshman, 3 cr

3115 Health Informatics and Information Technology

(A-F; prereq Undergrad or instr consent; meets CLE req of Technology and Society)

19187 001 LEC, instruction mode: Correspondence; For BSN Twin Cities Nursing Students only. This is a completely on line courses with no face-to-face dates. For a permission number email phscoop@umn.edu Be sure to specify Section 1., 3 cr

19609 002 LEC, instruction mode: Correspondence; For BSN Rochester Nursing Students only. This is a completely on line courses with no face-to-face dates. For a permission number email phscoop@umn.edu Be sure to specify Section 2., 3 cr

3703 Assessment and Beginning Interventions: Nursing Lab 1

(A-F; prereq Admitted to Nurs BSN program)

001 LEC, 12:20pm-01:10pm F, Room TBA, TCEASTBANK, 09/11/15-12/11/15, instruction mode: Classroom; Twin Cities students only.

20712 002 LAB, 01:25pm-05:30pm M, Room TBA, TCEASTBANK, 09/14/15-12/14/15, instruction mode: Classroom; Twin Cities students only., 3 cr

20713 003 LAB, 01:25pm-05:30pm T, WDH 4-142, 09/08/15-12/15/15, instruction mode: Classroom; Twin Cities students only., 3 cr

22379 004 LAB, 01:25pm-05:30pm W, WDH 4-142, 09/09/15-12/16/15, instruction mode: Classroom; Twin Cities students only., 3 cr

22380 005 LAB, 08:00am-12:05pm Th, WDH 4-142, 09/10/15-12/10/15, instruction mode: Classroom; Twin Cities students only., 3 cr

22381 006 LAB, 01:25pm-05:30pm Th, WDH 4-142, 09/10/15-12/10/15, instruction mode: Classroom; Twin Cities students only., 3 cr

008 LEC, 08:00am-08:50am T, Room TBA, ROCHESTER, 09/08/15-12/15/15, instruction mode: Classroom; Rochester students only.

34632 009 LAB, 12:20pm-04:25pm W, Room TBA, ROCHESTER, 09/09/15-12/16/15, instruction mode: Classroom; Rochester students only., 3 cr

34633 010 LAB, 08:00am-12:05pm Th, Room TBA, ROCHESTER, 09/10/15-12/10/15, instruction mode: Classroom; Rochester students only., 3 cr

3710 Statistics for Clinical Practice and Research

(prereq [High school algebra or instr consent], students enrolled in School of Nursing must take A/F option; meets CLE req of Mathematical Thinking)

21372 001 LEC, 12:20pm-02:15pm F, Room TBA, TCEASTBANK, 09/11/15-12/11/15, instruction mode: Classroom; Twin Cities students only., 3 cr

21373 002 LEC, 12:20pm-02:15pm F, Room TBA, ROCHESTER, 09/11/15-12/11/15, instruction mode: Classroom; Rochester students only., 3 cr

3801 Patient Centered Care of Adults and Older Adults I

(A-F; prereq Admitted to Nurs BSN program)

20709 001 LEC, 01:25pm-04:25pm Th, WDH 4-130, 09/10/15-12/10/15, instruction mode: Classroom; Twin Cities students only., 3 cr

22609 002 LEC, 01:25pm-04:25pm Th, Room TBA, ROCHESTER, 09/10/15-12/10/15, instruction mode: Classroom; Rochester students only., 3 cr

3802 Patient Centered Care: Nursing Care of Families I

(A-F; prereq Enrolled in School of Nursing)

20710 001 LEC, 09:05am-12:05pm Th, Room TBA, TCEASTBANK, 09/10/15-12/10/15, instruction mode: Classroom; Twin Cities students only., 3 cr

3806 Nurse as Professional

(A-F only; prereq Admitted to nursing BSN program)

20711 001 LEC, 01:25pm-03:20pm W, Room TBA, TCEASTBANK, 09/09/15-12/16/15, instruction mode: Classroom; Twin Cities students only., 2 cr

20714 002 LEC, 02:30pm-04:25pm W, Room TBA, TCEASTBANK, 09/09/15-12/16/15, instruction mode: Classroom; Twin Cities students only., 2 cr

25485 003 LEC, 08:00am-09:55am W, Room TBA, ROCHESTER, 09/09/15-12/16/15, instruction mode: Classroom; Rochester students only.; Rhudy, Lori M, 2 cr

3806H Nurse as Professional: Honors

(A-F; prereq [Undergrad nursing student, honors] or instr consent; meets HON req of Honors)

21842 001 LEC, 01:25pm-03:20pm T, Room TBA, TCEASTBANK, 09/08/15-12/15/15, instruction mode: Classroom; Twin Cities Honors Students only., 3 cr

4104 Ethical Sensitivity and Reasoning in Health Care

(A-F; prereq Nursing undergrad student)

11723 001 LEC, 10:10am-12:05pm Th, Room TBA, TCEASTBANK, 09/10/15-12/16/15, instruction mode: Classroom; Twin Cities students only., 2 cr

15111 002 LEC, 10:10am-12:05pm Th, Room TBA, ROCHESTER, 09/10/15-12/10/15, instruction mode: Classroom; Rochester students only., 2 cr

4106 Nurse as Collaborator

(A-F; prereq Enrolled in nursing program)

22367 001 LEC, 10:10am-12:05pm M, Room TBA, TCEASTBANK, 09/14/15-12/14/15, instruction mode: Classroom; Twin Cities Students Only., 1 cr

22368 002 LEC, 10:10am-12:05pm M, Room TBA, ROCHESTER, 09/14/15-12/14/15, instruction mode: Classroom; Rochester Students Only., 1 cr

4301 Person Centered Care of Adults and Older Adults II

(A-F; prereq 3801, 3802, 3703, 3705, enrolled in School of Nursing)

21305 001 LEC, 08:00am-12:05pm F, Room TBA, TCEASTBANK, 09/11/15-12/11/15, instruction mode: Classroom; Twin Cities students only., 4 cr

21309 002 LEC, 08:00am-12:05pm F, Room TBA, ROCHESTER, 09/11/15-12/11/15, instruction mode: Classroom; Rochester students only., 4 cr

4303 Practicum: Person Centered Care of Adults in Acute Care

(A-F; prereq 3703, 3705, 3801, [3802 or 3802H], enrolled in nursing)

21307 001 FWK, 07:00am-03:30pm T, . NORMREQD, 09/15/15-10/27/15, 07:00am-03:30pm T, . NORMREQD, 11/03/15-12/15/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

21310 002 FWK, 07:00am-03:30pm T, . NORMREQD, 09/15/15-10/27/15, 07:00am-03:30pm T, . NORMREQD, 11/03/15-12/15/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

21311 003 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

21312 004 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

21313 005 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

21319 006 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

34791 007 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

34792 008 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

34793 010 FWK, 07:00am-03:30pm T, . ROCH-TBA, ROCHESTER, 09/15/15-10/27/15, 12:30pm-08:00pm T, . ROCH-TBA, ROCHESTER, 11/03/15-12/15/15, instruction mode: Classroom; Practicum arranged. Rochester students only., 3 cr

34794 011 FWK, 12:30pm-08:00pm T, . ROCH-TBA, ROCHESTER, 09/15/15-10/27/15, 07:00am-03:30pm T, . ROCH-TBA, ROCHESTER, 11/03/15-12/15/15, instruction mode: Classroom; Practicum arranged. Rochester students only., 3 cr

34795 012 FWK, 07:00am-03:30pm W, . ROCH-TBA, ROCHESTER, 09/16/15-10/28/15, 07:00am-03:30pm W, . ROCH-TBA, ROCHESTER, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Rochester students only., 3 cr

34796 013 FWK, 07:00am-03:30pm W, . ROCH-TBA, ROCHESTER, 09/16/15-10/27/15, 07:00am-03:30pm W, . ROCH-TBA, ROCHESTER, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Rochester students only., 3 cr

34796 013 FWK, 07:00am-03:30pm W, . ROCH-TBA, ROCHESTER, 09/16/15-10/27/15, 07:00am-03:30pm W, . ROCH-TBA, ROCHESTER, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Rochester students only., 3 cr

4305 Practicum: Community-based Care of Families Across Life Span

(A-F; prereq 3703, 3705, 3801, [3802 or 3802H], enrolled Nurs student)

21308 001 FWK, 07:00am-03:30pm T, . NORMREQD, 09/15/15-10/27/15, 07:00am-03:30pm T, . NORMREQD, 11/03/15-12/15/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

21314 002 FWK, 07:00am-03:30pm T, . NORMREQD, 09/15/15-10/27/15, 07:00am-03:30pm T, . NORMREQD, 11/03/15-12/15/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

21315 003 FWK, 07:00am-03:30pm T, . NORMREQD, 09/15/15-10/27/15, 08:00am-03:00pm T, . NORMREQD, 11/03/15-12/15/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

21316 004 FWK, 08:00am-03:00pm T, . NORMREQD, 09/15/15-10/27/15, 07:00am-03:30pm T, . NORMREQD, 11/03/15-12/15/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

21317 005 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

21318 006 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

24490 007 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

25518 008 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

25518 008 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

25518 008 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

25518 008 FWK, 07:00am-03:30pm W, . NORMREQD, 09/16/15-10/28/15, 07:00am-03:30pm W, . NORMREQD, 11/04/15-12/16/15, instruction mode: Classroom; Practicum arranged. Twin Cities students only., 3 cr

4312 Patient Centered Care: Nursing Care of Families II

(A-F; prereq 3802, enrolled nursing student)

21306 001 LEC, 08:00am-12:05pm F, Room TBA, TCEASTBANK, 09/11/15-12/11/15, instruction mode: Classroom; Twin Cities students only., 4 cr

4321 Public Health Nursing

(A-F only; prereq jr nursing student)

22347 001 LEC, 08:00am-09:55am Th, Room TBA, TCEASTBANK, 09/10/15-12/10/15, instruction mode: Classroom; Twin Cities Students Only., 2 cr

4402 Taking Ethical Action in Health Care

(A-F; [4104, nursing sr] or instr consent; meets CLE req of Civic Life and Ethics)

22390 001 LEC, 08:00am-09:55am T, Room TBA, TCEASTBANK, 09/08/15-10/20/15, instruction mode: Classroom; Twin Cities students only, 1 cr

22391 002 LEC, 08:00am-09:55am T, Room TBA, ROCHESTER, 09/08/15-10/20/15, instruction mode: Classroom; Rochester students only, 1 cr

4404V Honors: Applied Research and Research Utilization

(A-F; prereq Honors student in School of Nursing, Nurs 4205V, upper division statistics course; meets CLE req of Writing Intensive; meets HON req of Honors)

14686 001 LEC, 01:25pm-04:25pm M, Moost 1-104, 09/14/15-12/14/15, instruction mode: Classroom; Twin Cities students only., 3 cr

4430 Immunization Tour

(Credit will not be granted if credit has been received for: PHAR 6210; S-N only; prereq [Senior Bachelor of Science nursing student or professional master's nursing student], completion of CPR)

16183 001 FWK, 11:15am-12:05pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Twin Cities Students Only. This class will meet with PHAR 6210 in room tba; Meets with: 15197 PHAR 6210; Pfeiffer, Jeanne, 1 cr

4703 Specialty Focused Practicum I

(A-F; prereq Nursing student in School of Nursing)

22388 001 LEC, 09:05am-11:00am M, Room TBA, TCEASTBANK, 09/14/15-12/14/15, instruction mode: Classroom; Twin Cities students only., 4 cr
 23914 002 LEC, 07:00am-03:30pm W, . NORMREQD, 09/16/15-12/16/15, instruction mode: Classroom; Twin Cities students only., 4 cr
 23916 004 LEC, 07:00am-03:30pm Th, . NORMREQD, 09/17/15-12/10/15, instruction mode: Classroom; Twin Cities students only., 4 cr
 23917 005 LEC, 07:00am-03:30pm Th, . NORMREQD, 09/17/15-12/10/15, instruction mode: Classroom; Twin Cities students only., 4 cr
 23918 006 LEC, 12:20pm-02:15pm T, WDH 6-194, 09/15/15-12/15/15, instruction mode: Classroom; Twin Cities students only., 4 cr
 23919 007 LEC, 12:20pm-02:15pm T, WDH 6-108, 09/15/15-12/15/15, instruction mode: Classroom; Twin Cities students only., 4 cr
 23920 008 LEC, 12:20pm-02:15pm T, MoosT 1-108, 09/15/15-12/15/15, instruction mode: Classroom; Twin Cities students only., 4 cr
 23921 009 LEC, 12:20pm-02:15pm T, MoosT 1-104, 09/15/15-12/15/15, instruction mode: Classroom; Twin Cities students only., 4 cr
 34691 010 LEC, 12:20pm-02:15pm T, MoosT 1-317, 09/15/15-12/15/15, instruction mode: Classroom; Twin Cities students only., 4 cr
 34692 011 LEC, 12:20pm-02:15pm T, Room TBA, TCEASTBANK, 09/15/15-12/15/15, instruction mode: Classroom; Twin Cities students only., 4 cr
 34693 013 LEC, 09:05am-11:00am M, . ROCH-TBA, OFFCMPROCH, 09/14/15-12/14/15, instruction mode: Classroom; Rochester students only., 4 cr
 34694 014 LEC, 07:00am-03:30pm Th, Room TBA, ROCHESTER, 09/17/15-12/10/15, instruction mode: Classroom; Rochester students only., 4 cr
 34695 015 LEC, 12:30pm-08:00pm F, Room TBA, ROCHESTER, 09/18/15-12/11/15, instruction mode: Classroom; Rochester students only., 4 cr
 34696 016 LEC, 12:20pm-02:15pm T, Room TBA, ROCHESTER, 09/15/15-12/15/15, instruction mode: Classroom; Rochester students only., 4 cr

4704 Continuum of Care Practicum

(A-F; prereq Nursing Student in School of Nursing)

24094 001 FWK, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, 09/15/15-12/15/15, instruction mode: Classroom; Twin Cities students., 2 cr
 24139 002 FWK, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, 09/15/15-12/15/15, instruction mode: Classroom; Twin Cities students., 2 cr
 24140 003 FWK, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, 09/15/15-12/15/15, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Twin Cities students., 2 cr
 34714 004 FWK, 02:30pm-04:25pm T, Room TBA, TCEASTBANK, 09/15/15-12/15/15, instruction mode: Classroom; Twin Cities students., 2 cr
 34715 006 FWK, 02:30pm-04:25pm T, Room TBA, ROCHESTER, 09/15/15-12/15/15, instruction mode: Classroom; Rochester students., 2 cr

4706 Transition to Practice

(A-F only; prereq Sr in BSN program)

22389 001 LEC, 08:00am-09:55am T, Room TBA, TCEASTBANK, 10/27/15-10/27/15, 08:00am-09:55am T, Room TBA, TCEASTBANK, 11/03/15-11/03/15, instruction mode: Classroom; Twin Cities students only., 1 cr
 22392 002 LEC, 08:00am-09:55am T, Room TBA, ROCHESTER, 10/27/15-10/27/15, 08:00am-09:55am T, Room TBA, ROCHESTER, 11/03/15-11/03/15, instruction mode: Classroom; Rochester students only., 1 cr

4777W Senior Project in the Nursing Major

(max crs 9; 3 repeats allowed; A-F; prereq 4205W or 4205V; meets CLE req of Writing Intensive)

22387 001 LEC, 10:10am-12:05pm T, Room TBA, TCEASTBANK, 09/08/15-12/15/15, instruction mode: Classroom; Twin Cities students only, 3 cr
 22617 002 LEC, 10:10am-12:05pm T, Room TBA, TCEASTBANK, 09/08/15-12/15/15, instruction mode: Classroom; Twin Cities students only, 3 cr
 22618 003 LEC, 10:10am-12:05pm T, Room TBA, TCEASTBANK, 09/08/15-12/15/15, instruction mode: Classroom; Twin Cities students only, 3 cr
 34720 004 LEC, 10:10am-12:05pm T, Room TBA, TCEASTBANK, 09/08/15-12/15/15, instruction mode: Classroom; Twin Cities students., 3 cr
 34721 006 LEC, 10:10am-12:05pm T, Room TBA, ROCHESTER, 09/08/15-12/15/15, instruction mode: Classroom; Rochester students., 3 cr

4800 Nursing Topics

(max crs 48; 3 repeats allowed; prereq instr consent)

13585 001 IND, instruction mode: Classroom, 0-16 cr
 17443 002 IND, 01:25pm-02:15pm M, Room TBA, ROCHESTER, 09/14/15-12/14/15, instruction mode: Classroom; Rochester Students Only. Rochester Immunization Tour; topic prereq - School of Nursing Baccalaureate student at UMR, 0-16 cr
 23342 003 IND, instruction mode: Classroom; , 0-16 cr

4801 Research Topics

(max crs 16)

15478 001 IND, instruction mode: Classroom, 1-16 cr
 15729 002 IND, instruction mode: Classroom, 1-16 cr

5010 Foundations of Interprofessional Communication and Collaboration

(S-N; prereq Nursing student)

21374 001 LEC, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Twin Cities students only. Meeting dates TBD. You will be assigned a small group room that will be on your Moodle site., 1 cr
 21375 002 LEC, 01:25pm-03:20pm F, Room TBA, ROCHESTER, 01:25pm-03:20pm F, Room TBA, ROCHESTER, 01:25pm-03:20pm F, Room TBA, ROCHESTER, 01:25pm-03:20pm F, Room TBA, ROCHESTER, 01:25pm-03:20pm F, Room TBA, ROCHESTER, instruction mode: Classroom; Rochester students only. Meeting dates TBD You will be assigned a small group room that will be on your Moodle site., 1 cr

5012 Phillips Neighborhood Clinic:

Interprofessional Service

(10 repeats allowed; NGA; prereq Sophomore in School of Nursing, [2 year commitment or MN student])

23945 001 FWK, instruction mode: Classroom, 0 cr

5014 Examining the Evidence: Forensic Health Care Practices and Opportunities (prereq Grad student or undergraduate senior or instr consent)

26011 1001 LEC, 04:40pm-06:20pm T, WDH 6-108, instruction mode: Partially Online, 2 cr

5016 Critical Reading of Scientific Literature in Adolescent Health

(prereq [Grad-level research methods course, inferential statistics course] or instr consent)

17006 001 LEC, 01:25pm-03:20pm W, . ROOM-TBA, 11/04/15-12/16/15, instruction mode: Classroom; Class will be held at 717 Delaware Building in room TBA., 1 cr

5029 Introduction to Nursing Interventions

(A-F; prereq Admission to master of nursing (MN) program, Concurrent registration is required (or allowed) in 5030)

21834 001 LAB, 08:00am-12:05pm F, WDH 4-142, 07:00am-03:30pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Lab plus practicum as arranged. For Prelicensure Master of Nursing (MN) students only.; Kessler, Penny, 4 cr
 21835 002 LAB, 08:00am-12:05pm F, WDH 4-142, 07:00am-03:30pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Lab plus practicum as arranged. For Prelicensure Master of Nursing (MN) students only.; Fulton, Dana E, 4 cr
 21836 003 LAB, 08:00am-12:05pm F, WDH 4-142, 07:00am-03:30pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Lab plus practicum as arranged. For Prelicensure Master of Nursing (MN) students only.; Igo, Erin Blackwell, 4 cr
 21837 004 LAB, 08:00am-12:05pm M, WDH 4-142, 07:00am-03:30pm Th, Room TBA, TCEASTBANK,

instruction mode: Classroom; Lab plus practicum as arranged. For Prelicensure Master of Nursing (MN) students only.; Kessler, Penny, 4 cr

21838 005 LAB, 08:00am-12:05pm M, WDH 4-142, 07:00am-03:30pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Lab plus practicum as arranged. For Prelicensure Master of Nursing (MN) students only.; Veglia-Young, Carolyn Marie, 4 cr
 21839 006 LAB, 08:00am-12:05pm M, WDH 4-142, 07:00am-03:30pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Lab plus practicum as arranged. For Prelicensure Master of Nursing (MN) students only.; Fulton, Dana E, 4 cr
 21840 007 LAB, 01:25pm-05:30pm M, WDH 4-142, 07:00am-03:30pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Master of Nursing prelicensure students only., 3 cr
 21841 008 LAB, 01:25pm-05:30pm M, WDH 4-142, 07:00am-03:30pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Lab plus practicum as arranged. For Prelicensure Master of Nursing (MN) students only.; Kessler, Penny, 4 cr

5030 Foundational Concepts of Professional Nursing

(A-F only; prereq Admission to master's in nursing program)

15216 001 LEC, 08:00am-11:00am W, Room TBA, TCEASTBANK, 09/09/15-12/16/15, instruction mode: Classroom; Master of Nursing prelicensure students only., 3 cr

5034 Nursing Care of Complex Clients and Diverse Populations

(A-F only; prereq 5033)

15508 001 LEC, 09:05am-11:00am T, Room TBA, TCEASTBANK, 09/08/15-12/15/15, instruction mode: Classroom; Master of Nursing prelicensure students only., 2 cr

5035 Practicum Nursing Care for Complex Health Conditions

(A-F only; prereq Nursing postbaccalaureate certificate program or master of nursing program)

15566 001 FWK, 11:15am-12:05pm T, WDH 6-194, 09/08/15-12/15/15, instruction mode: Classroom; Master of Nursing prelicensure students only. Practicum arranged., 4 cr
 17697 002 FWK, 11:15am-12:05pm T, WDH 6-108, 09/08/15-12/15/15, instruction mode: Classroom; Master of Nursing prelicensure students only. Practicum arranged., 4 cr
 17698 003 FWK, 11:15am-12:05pm T, MoosT 1-108, 09/08/15-12/15/15, instruction mode: Classroom; Master of Nursing prelicensure students only. Practicum arranged., 4 cr
 20013 004 FWK, 11:15am-12:05pm T, MoosT 1-104, 09/08/15-12/15/15, instruction mode: Classroom; Master of Nursing prelicensure students only. Practicum arranged., 4 cr
 20245 005 FWK, 11:15am-12:05pm T, MoosT 1-317, 09/08/15-12/15/15, instruction mode: Classroom; Master of Nursing prelicensure students only. Practicum arranged., 4 cr

5040H Seeking Solutions to Global Health Issues

(A-F; prereq Prereq junior or senior University Honors Program (UHP) student in nursing or other major, or graduate student, or instr consent; meets Lib Ed req of Global Perspectives; meets Honors req of Honors; meets CLE req of Global Perspectives; meets HON req of Honors)

22386 001 LEC, 01:25pm-04:25pm Th, MoosT 1-108, 09/10/15-12/10/15, instruction mode: Classroom; Twin Cities students only., 3 cr

5115 Interprofessional Health Care Informatics

(A-F only)

18157 001 LEC, instruction mode: Correspondence; For MN or DNP students., 3 cr

5116 Consumer Health Informatics

(A-F; prereq Grad student or instr consent)

18469 001 LEC, 11:15am-01:10pm Th, WDH 6-194, 09/10/15-09/10/15, 11:15am-01:10pm Th, WDH 6-194, 10/15/15-10/15/15, 11:15am-01:10pm Th, WDH 6-194, 11/19/15-11/19/15, instruction mode: Primarily Online; Taken with N5117. DNP students., 1 cr

5117 Consumer Health Informatics Practicum

(S-N; prereq [Grad student, [5116 or Concurrent registration is required (or allowed) in 5116]] or instr consent)

21018 001 FWK, 01:25pm-02:15pm Th, WDH 6-194, 09/10/15-09/10/15, 01:25pm-02:15pm Th, WDH 6-194, 10/15/15-10/15/15, 01:25pm-02:15pm Th, WDH 6-194, 11/19/15-11/19/15, instruction mode: Primarily Online; Taken with N5116. DNP students.; Austin, Robin R, 1 cr

5190 Essentials of Holistic Health Assessment

(A-F; prereq Admission to MN Program)

001 LEC, 12:20pm-02:15pm T, Room TBA, TCEASTBANK, 09/08/15-12/15/15, instruction mode: Classroom; Prelicensure Master of Nursing (MN) only.

20038 002 LAB, 08:00am-09:55am M., ROOM-TBA, 09/14/15-12/14/15, instruction mode: Classroom; Prelicensure Master of Nursing (MN) only. This lab will meet in the IERC.; Fjone, Andra Lynn, 3 cr

20039 003 LAB, 12:20pm-02:15pm W., ROOM-TBA, 09/16/15-12/16/15, instruction mode: Classroom; Prelicensure Master of Nursing (MN) only. This lab will meet in the IERC., 3 cr

21378 004 LAB, 02:30pm-04:25pm W., ROOM-TBA, 09/16/15-12/16/15, instruction mode: Classroom; Prelicensure Master of Nursing (MN) only. This lab will meet in the IERC., 3 cr

5200 Holistic Health Assessment and Therapeutics for Advanced Practice Nurses

(A-F; prereq Admission to advanced practice nursing area of study (DNP or Post-Graduate certificate program), #)

11098 001 LAB, 08:00am-04:25pm W., ROOM-TBA, 09/09/15-09/09/15, 08:00am-04:25pm W., ROOM-TBA, 10/14/15-10/14/15, 08:00am-04:25pm W., ROOM-TBA, 11/18/15-11/18/15, instruction mode: Classroom; For DNP students., 3 cr

5222 Advanced Human Physiology

(A-F; prereq Admitted Master of Nursing or Doctor of Nursing Practice student)

11099 001 LEC, 08:00am-11:00am T, Room TBA, TCEASTBANK, 09/08/15-12/15/15, instruction mode: Classroom; For Prelicensure Master of Nursing students (MN); 64 seats reserved for Professional Master of Nursing, 2 cr

11100 002 LEC, 01:25pm-04:25pm Th, Room TBA, TCEASTBANK, 09/10/15-09/10/15, 01:25pm-04:25pm Th, Room TBA, TCEASTBANK, 10/15/15-10/15/15, 01:25pm-04:25pm Th, Room TBA, TCEASTBANK, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 2 cr

34812 003 LEC, 01:25pm-04:25pm F, Room TBA, TCEASTBANK, 09/11/15-09/11/15, 01:25pm-04:25pm F, Room TBA, TCEASTBANK, 10/16/15-10/16/15, 01:25pm-04:25pm F, Room TBA, TCEASTBANK, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP students., 2 cr

5228 Pharmacology for Advanced Practice Nursing

(A-F only; prereq Grad nursing student or instr consent)

15795 001 LEC, 09:05am-12:05pm F, Room TBA, TCEASTBANK, 09/11/15-09/11/15, 09:05am-12:05pm F, Room TBA, TCEASTBANK, 10/16/15-10/16/15, 09:05am-12:05pm F, Room TBA, TCEASTBANK, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP students., 2 cr

5241 Nursing Leadership for Effective Practice

(A-F only; prereq Final sem of MN Program)

18524 001 LEC, 08:00am-12:05pm W, Room TBA, TCEASTBANK, 09/09/15-12/16/15, instruction mode: Classroom; Prelicensure MN students., 3 cr

5800 Nursing Topics

(max crs 8; 4 repeats allowed; prereq instr consent)

17298 001 IND, instruction mode: Classroom, 1-4 cr
21077 002 IND, instruction mode: Classroom, 1-4 cr
23090 003 IND, instruction mode: Classroom, 1-4 cr
23236 004 IND, instruction mode: Classroom, 1-4 cr

6102 Family Health Theory

(prereq 6200 or instr consent)

20877 001 LEC, 01:25pm-03:20pm F, WDH 4-130, 09/11/15-09/11/15, 01:25pm-03:20pm F, WDH 4-130, 10/16/15-10/16/15, 01:25pm-03:20pm F, WDH 4-130, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP students., 2 cr

6200 Science of Nursing Intervention

(A-F only; prereq Admission to MN or DNP program)

21383 001 LEC, 01:25pm-04:25pm S, WDH 4-130, 09/12/15-09/12/15, 01:25pm-04:25pm S, WDH 4-130, 10/17/15-10/17/15, 01:25pm-04:25pm S, WDH 4-130, 11/21/15-11/21/15, instruction mode: Primarily Online; For DNP students., 3 cr

26733 002 LEC, 04:40pm-07:30pm Th, WDH 4-130, 09/10/15-09/10/15, 04:40pm-07:30pm Th, WDH 4-130, 10/15/15-10/15/15, 04:40pm-07:30pm Th, WDH 4-130, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 3 cr

6213 Reproductive Healthcare for Women at Risk

(A-F; prereq (NM and WHNP) N6305, N6306, 6501, (NM only) 6210/6211, 6212 (WHNP only) 6502, 7504, 7505, 6929)

21494 001 LEC, 09:05am-11:00am W, WDH 6-194, 09/09/15-09/09/15, 09:05am-11:00am W, WDH 6-194, 10/14/15-10/14/15, 09:05am-11:00am W, WDH 6-194, 11/18/15-11/18/15, instruction mode: Primarily Online; For DNP students., 2 cr

6214 Reproductive Healthcare for Women at Risk Practicum

(S-N; prereq WHNP DNP student, Nurs 5222, 5228, 5229, 5200, 6305, 6306, 6925, 6926)

21874 001 FWK, 11:15am-01:10pm W, WDH 6-194, 09/09/15-09/09/15, 11:15am-01:10pm W, WDH 6-194, 10/14/15-10/14/15, 11:15am-01:10pm W, WDH 6-194, 11/18/15-11/18/15, instruction mode: Classroom; For DNP Nurse Midwifery students only.; Ruud, Maria Naomi, 1 cr

23310 002 FWK, 11:15am-01:10pm W, WDH 6-108, 09/09/15-09/09/15, 11:15am-01:10pm W, WDH 6-108, 10/14/15-10/14/15, 11:15am-01:10pm W, WDH 6-108, 11/18/15-11/18/15, instruction mode: Classroom; For DNP WHNP students only., 2 cr

6305 Women's Reproductive Health Care

(max crs 3; A-F; prereq 5200, 5222, 5228, 5229, DNP student)

20881 001 LEC, 08:00am-12:05pm F, WDH 4-130, 09/11/15-09/11/15, 08:00am-12:05pm F, WDH 4-130, 10/16/15-10/16/15, 08:00am-12:05pm F, WDH 4-130, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP ANP/WOMEN'S HEALTH, FNP, Nurse Midwifery students only. On tbd CNM and WHNP students will meet in the IERC from 12:20-2:15. On tbd FNP students will meet in the IERC from 3:15-5:15., 2-3 cr

21926 002 LEC, 08:00am-12:05pm F, WDH 6-194, 09/11/15-09/11/15, 08:00am-12:05pm F, WDH 6-194, 10/16/15-10/16/15, 12:20pm-02:15pm F, WDH 6-194, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP A/GNP students only. Tbd from 2:30 to 4:25 GNP students will meet in the Sim Center. Students will meet with Section 1 and all classroom dates., 2-3 cr

6306 Women's Reproductive Health Practicum

(S-N; prereq 5200, 5222, 5228, 5229, [6305 or Concurrent registration is required (or allowed) in 6305])

20882 001 FWK, 12:20pm-04:25pm F, MoosT 1-104, 09/11/15-09/11/15, 12:20pm-04:25pm F, MoosT 1-104, 10/16/15-10/16/15, 12:20pm-04:25pm F, MoosT 1-104, 11/20/15-11/20/15, instruction mode: Classroom; For WH DNP students only. WH students should register for 1 credit, TBD will be in the IERC. There will be a conference call with Go to Meeting on Wednesday evenings for 1 and half hours-7:00-8:30pm on TBD FNP students should NOT register for N6306 in Fall semester.; Ruud, Maria Naomi; Drake, Diana M., 1 cr

21025 002 FWK, 12:20pm-04:25pm F, WDH 5-150, 09/11/15-09/11/15, 12:20pm-04:25pm F, WDH 5-150, 10/16/15-10/16/15, 12:20pm-04:25pm F, WDH 5-150, 11/20/15-11/20/15, instruction mode: Classroom; For NM students only. This is a variable credit clinical course. NM students should register for 1 credit. TBD will be in the IERC. FNP students should NOT register for N6306 in Fall semester., 1 cr

6405 Advanced Practice CNS Roles Across the Lifespan

(A-F; prereq 5200, 7103, 7900)

22456 001 LEC, 01:25pm-04:25pm Th, MoosT 1-368, 09/10/15-09/10/15, 01:25pm-04:25pm Th, MoosT 1-368, 10/15/15-10/15/15, 01:25pm-04:25pm Th, MoosT 1-368, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 3 cr

6406 Advanced Practice CNS Roles Across the Lifespan: Practicum

(S-N; prereq 5200, 7103)

22942 001 FWK, 04:40pm-05:30pm Th, MoosT 1-368, 09/10/15-09/10/15, 04:40pm-05:30pm Th, MoosT 1-368, 10/15/15-10/15/15, 04:40pm-05:30pm Th, MoosT 1-368, 11/19/15-11/19/15, instruction mode: Classroom; For DNP students., 1 cr

6407 Advanced Nursing Care of Older

Adults

(A-F; prereq [5200, 5222, 5224, 5228, 6500, 6501, 7504, 7505] or instr consent)

21860 001 LEC, 03:35pm-06:20pm W, WDH 6-194, 09/09/15-09/09/15, 03:35pm-06:20pm W, WDH 6-194, 10/14/15-10/14/15, 03:35pm-06:20pm W, WDH 6-194, 11/18/15-11/18/15, instruction mode: Primarily Online; For DNP students., 3 cr

6408 Advanced Nursing Care of Older Adults Practicum

(S-N; prereq [5200, 5222, 5224, 5228, 6500, 6501, 7504, 7505] or instr consent)

21875 001 FWK, 01:25pm-03:20pm W, Room TBA, TCEASTBANK, 09/09/15-09/09/15, 01:25pm-03:20pm W, Room TBA, TCEASTBANK, 10/14/15-10/14/15, 01:25pm-03:20pm W, Room TBA, TCEASTBANK, 11/18/15-11/18/15, instruction mode: Classroom; Practicum as arranged. For AGNP DNP students., 1 cr

25521 002 FWK, 01:25pm-03:20pm W, WDH 5-150, 09/09/15-09/09/15, 01:25pm-03:20pm W, WDH 5-150, 10/14/15-10/14/15, 01:25pm-03:20pm W, WDH 5-150, 11/18/15-11/18/15, instruction mode: Classroom; Practicum as arranged. For ACNS DNP students., 1 cr

6501 Assessment and Management of Health for Advanced Practice Nurses, I

(A-F; prereq DNP student or instr consent)

20986 001 LEC, 09:05am-12:05pm Th, WDH 4-130, 09/10/15-09/10/15, 09:05am-12:05pm Th, WDH 4-130, 10/15/15-10/15/15, 09:05am-12:05pm Th, WDH 4-130, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 3 cr

6600 Health Systems and Care Models

(prereq Grad student or instr consent)

22911 001 LEC, 08:00am-11:00am Th, MoosT 1-108, 09/10/15-09/10/15, 08:00am-11:00am Th, MoosT 1-108, 10/15/15-10/15/15, 08:00am-11:00am Th, MoosT 1-108, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 3 cr

6602 PMH Advanced Practice Nursing:

Group as a Health Care Intervention

(prereq 6802, 6803 Concurrent registration is required (or allowed) in 6603)

22432 001 LEC, 09:05am-11:00am Th, WDH 6-108, 09/10/15-09/10/15, 09:05am-11:00am Th, MoosT 1-108, 10/15/15-10/15/15, 09:05am-11:00am Th, WDH 6-108, 11/19/15-11/19/15, 09:05am-11:00am Th, WDH 6-108, 12/10/15-12/10/15, instruction mode: Partially Online; For DNP students., 2 cr

6603 PMH APN Practicum IV: Group as a Health Care Intervention

(prereq Concurrent registration is required (or allowed) in 6602, 6802, 6803)

22433 001 FWK, 11:15am-12:05pm Th, WDH 6-108, 09/10/15-09/10/15, 11:15am-12:05pm Th, WDH 6-108, 10/15/15-10/15/15, 11:15am-12:05pm Th, WDH 6-108, 11/19/15-11/19/15, 11:15am-12:05pm Th, WDH 6-108, 12/10/15-12/10/15, instruction mode: Classroom; Practicum as arranged. For DNP students., 2 cr

6604 Foundations for Integrative Mental Health and Psychiatric Advanced Practice Nursing

(prereq Concurrent registration is required (or allowed) in 6605, 5200, 5222, 5228, 5229, CSH 5101)

20998 001 LEC, 09:05am-12:05pm W, MoosT 1-317, 09/09/15-09/09/15, 09:05am-12:05pm W, MoosT 1-317, 10/14/15-10/14/15, 09:05am-12:05pm W, MoosT 1-317, 11/18/15-11/18/15, 09:05am-12:05pm W, MoosT 1-317, 12/09/15-12/09/15, instruction mode: Partially Online; For DNP students. The class will meet in the IERC on 10/14, 11/18, 12/9, 2 cr

6605 Psychiatric/Mental Health Advanced Nursing Practice Practicum I

(S-N; prereq Concurrent registration is required (or allowed) in 6604, 5200, 5222, 5228, 5229, CSH 5101)

21876 001 FWK, 01:25pm-03:20pm W, MoosT 1-317, 09/09/15-09/09/15, 01:25pm-03:20pm W, MoosT 1-317, 10/14/15-10/14/15, 01:25pm-03:20pm W, MoosT 1-317, 11/18/15-11/18/15, 01:25pm-03:20pm W, MoosT 1-317, 12/09/15-12/09/15, instruction mode: Classroom; Practicum as arranged. For DNP students., 1 cr

6702 Executive Leadership Seminar I

(prereq Grad student or instr consent)

22910 001 LEC, 09:05am-12:05pm F, WDH 6-108, 09/11/15-09/11/15, 09:05am-12:05pm F, WDH 6-108, 10/16/15-10/16/15, 09:05am-12:05pm F, WDH 6-108, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP students., 3 cr

6705 Executive Leadership Seminar III:**Quality and Change Management**

(A-F; prereq [6702, 6703] or instr consent , Concurrent registration is required (or allowed) in 6704)

21946 001 LEC, 01:25pm-03:20pm W, Room TBA, TCEASTBANK, 09/09/15-09/09/15, 01:25pm-03:20pm W, Room TBA, TCEASTBANK, 10/14/15-10/14/15, 01:25pm-03:20pm W, Room TBA, TCEASTBANK, 11/18/15-11/18/15, instruction mode: Primarily Online; For DNP students., 2 cr

6706 Executive Leadership Practicum II:**Quality and Change Management**

(S-N; prereq 6705)

21947 001 FWK, 03:35pm-04:25pm W, WDH 6-108, 09/09/15-09/09/15, 03:35pm-04:25pm W, WDH 6-108, 10/14/15-10/14/15, 03:35pm-04:25pm W, WDH 6-108, 11/18/15-11/18/15, instruction mode: Classroom; Practicum as arranged. For DNP students. This class will meet with N6705., 2 cr

6707 Health Care Design and Innovation Practicum

(A-F; prereq Students in Health Care Design and Innovation certificate program or DNP students who have completed, Nurs 7610, CSpH 5711, HUMF 5874.)

33945 001 FWK, instruction mode: Classroom, 2 cr

6895 Adult Acute Care Holistic Health**Assessment**

(A-F; prereq Nurse anesthesia DNP student or instr consent)

24629 001 LEC, instruction mode: Correspondence; This class will meet at the Minneapolis VA for the OSCEs., 2 cr

6914 Basic Nurse Anesthesia Principles**Practicum III**

(S-N; prereq Graduate Student in Doctor of Nursing Practice Program, N6910, Concurrent registration is required (or allowed) in N6901)

26506 001 FWK, 03:35pm-05:30pm F, MoosT 1-108, 09/11/15-09/11/15, 10:10am-12:05pm F, MoosT 1-108, 09/18/15-09/18/15, 10:10am-12:05pm F, MoosT 1-108, 09/25/15-09/25/15, instruction mode: Classroom; For DNP students., 3 cr

6922 Primary Care: Assessment and**Management of Common Conditions****Affecting Children**

(A-F; prereq 6920, 6921, Concurrent registration is required (or allowed) in 6923, instr consent)

21495 001 LEC, 10:10am-01:10pm W, MoosT 1-104, 09/09/15-12/16/15, instruction mode: Classroom; For DNP students., 3 cr

6923 Primary Care Practicum: Assessment and**Management of Common Conditions****Affecting Children**

(A-F; prereq 6920, 6921, Concurrent registration is required (or allowed) in 6922, instr consent)

21493 001 FWK, 01:25pm-03:20pm W, MoosT 1-104, 09/09/15-12/16/15, instruction mode: Classroom; Practicum as arranged. For DNP students., 2 cr

6924 Assessment and Interventions for**Children and Youth With Special Health****Care Needs**

(prereq instr consent)

21850 001 LEC, 08:00am-09:55am W, MoosT 1-104, 09/09/15-12/16/15, instruction mode: Classroom; For DNP Students, 2 cr

6929 Advanced Nursing Care of Children**with Acute Illness**

(A-F; prereq [6405, grad student in Nursing admitted to pediatric clinical nurse specialist area] or instr consent)

22904 001 FWK, instruction mode: Classroom; For DNP students., 2 cr

6930 Foundations of Advanced Public**Health Nursing Practice**

(A-F only; prereq DNP grad student in public health nursing)

25593 001 LEC, 01:25pm-04:25pm Th, WDH 6-108, 09/10/15-09/10/15, 01:25pm-04:25pm Th, WDH 6-108, 10/15/15-10/15/15, 01:25pm-04:25pm Th, WDH 6-108, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP Students., 3 cr

6931 Health Equity and Social Justice

(A-F; prereq 6930 or instr consent)

34831 001 LEC, instruction mode: Classroom; For DNP students., 1 cr

6934 Population-focused Assessment and Prioritization

(A-F only; prereq 6930 or instr consent)

34832 001 LEC, instruction mode: Classroom; For DNP students., 1 cr

6944 Population-focused Assessment & Prioritization Practicum

(S-N; prereq 6930 or instr consent)

34471 001 FWK, instruction mode: Classroom; For DNP students, 1 cr

7000 DNP Proseminar

(prereq Admission to Post-BSN Doctorate of Nursing Practice Program)

19944 001 LEC, 09:05am-11:00am Th, Room TBA, TCEASTBANK, 09/10/15-09/10/15, 09:05am-11:00am Th, Room TBA, TCEASTBANK, 10/15/15-10/15/15, 09:05am-11:00am Th, Room TBA, TCEASTBANK, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 1 cr

25310 002 LEC, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 09/11/15-09/11/15, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 10/16/15-10/16/15, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP students., 1 cr

34837 003 LEC, 09:05am-11:00am S, WDH 4-130, 09/12/15-09/12/15, 09:05am-11:00am S, WDH 4-130, 10/17/15-10/17/15, 09:05am-11:00am S, WDH 4-130, 11/21/15-11/21/15, instruction mode: Primarily Online; For DNP students., 1 cr

7004 Nurse Anesthesia Practicum A

(S-N; prereq 5920)

21995 001 FWK, 09:05am-11:00am F, MoosT 1-317, instruction mode: Classroom; Practicum as arranged. For DNP students. Lecture delivered at Minneapolis VA., 5 cr

7100 DNP Seminar I

(A-F; prereq Admis to either post-BSN or post-MS DNP program, Concurrent registration is required (or allowed) in 7110)

18503 001 LEC, 09:05am-11:00am F, Room TBA, TCEASTBANK, 09/11/15-09/11/15, 09:05am-11:00am F, Room TBA, TCEASTBANK, 10/16/15-10/16/15, 09:05am-11:00am F, Room TBA, TCEASTBANK, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP students., 2 cr

7102 DNP Seminar III

(A-F; prereq [7100, 7101] or instr consent)

21491 001 LEC, 09:05am-11:00am Th, Room TBA, TCEASTBANK, 09/10/15-09/10/15, 09:05am-11:00am Th, Room TBA, TCEASTBANK, 10/15/15-10/15/15, 09:05am-11:00am Th, Room TBA, TCEASTBANK, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 2 cr

25311 002 LEC, 09:05am-11:00am F, Room TBA, TCEASTBANK, 09/11/15-09/11/15, 09:05am-11:00am F, Room TBA, TCEASTBANK, 10/16/15-10/16/15, 09:05am-11:00am F, Room TBA, TCEASTBANK, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP students, 2 cr

7108 Population Health Informatics

(A-F; prereq [5115 or [HINF 5430, HINF 5431]] or instr consent)

21023 001 LEC, 09:05am-11:00am W, WDH 4-130, 09/09/15-09/09/15, 09:05am-11:00am W, WDH 4-130, 10/14/15-10/14/15, 09:05am-11:00am W, WDH 4-130, 11/18/15-11/18/15, instruction mode: Primarily Online; For DNP students., 2 cr

7109 Population Health Informatics**Practicum**

(S-N; prereq [5115, [[7108 or Concurrent registration is required (or allowed) in 7108] or [HINF 5430, HINF 5431]]] or instr consent)

21024 001 FWK, 11:15am-12:05pm W, WDH 4-130, 09/09/15-09/09/15, 11:15am-12:05pm W, WDH 4-130, 10/14/15-10/14/15, 11:15am-12:05pm W, WDH 4-130, 11/18/15-11/18/15, instruction mode: Classroom; Practicum arranged. For DNP students., 2 cr

14/15-10/14/15, 11:15am-12:05pm W, WDH 4-130, 11/18/15-11/18/15, instruction mode: Classroom; Practicum arranged. For DNP students., 2 cr

7110 DNP Project Direction I: Planning

(S-N; prereq Admis to post-BSN or post-MS DNP program, Concurrent registration is required (or allowed) in 7100)

21930 001 FWK, instruction mode: Correspondence; Adwan, Jehad Zaki, 1 cr

21931 002 FWK, instruction mode: Correspondence; Avery, Melissa D, 1 cr

23456 003 FWK, instruction mode: Correspondence; Bearinger, Linda Holm, 1 cr

23457 004 FWK, instruction mode: Correspondence; Benbenek, Mary Mescher, 1 cr

23458 005 FWK, instruction mode: Correspondence; Bliss PhD, Donna Zimmaro, 1 cr

23459 006 FWK, instruction mode: Correspondence; Bronas, Ulf Gunnar, 1 cr

23460 007 FWK, instruction mode: Correspondence; Chesney PhD, Mary L, 1 cr

23461 008 FWK, instruction mode: Correspondence; Cheung, Corjena K, 1 cr

23462 009 FWK, instruction mode: Correspondence; Clancy, Thomas R, 1 cr

23463 010 FWK, instruction mode: Correspondence; Dean EdD, Patrick Joseph, 1 cr

23464 011 FWK, instruction mode: Correspondence; Dierich, Mary Therese, 1 cr

23465 012 FWK, instruction mode: Correspondence; Drake, Diana M., 1 cr

23466 013 FWK, instruction mode: Correspondence; Duckett, Laura J, 1 cr

23467 014 FWK, instruction mode: Correspondence; Findorff, Mary Jocelyn, 1 cr

23468 015 FWK, instruction mode: Correspondence; Friedrich, Cheri L, 1 cr

23469 016 FWK, instruction mode: Correspondence; Garcia PhD, Carolyn Marie, 1 cr

23470 017 FWK, instruction mode: Correspondence; Gaugler, Joseph E, 1 cr

23471 018 FWK, instruction mode: Correspondence; Hadidi, Niloufar Niakosari, 1 cr

23472 019 FWK, instruction mode: Correspondence; Hooke, Mary Catherine M, 1 cr

23473 020 FWK, instruction mode: Correspondence; Juve, Catherine, 1 cr

23474 021 FWK, instruction mode: Correspondence; Kaas, Merrie Jean, 1 cr

23475 022 FWK, instruction mode: Correspondence; Kerr, Madeleine June, 1 cr

23476 023 FWK, instruction mode: Correspondence; Kreitzer, MaryJo, 1 cr

23477 024 FWK, instruction mode: Correspondence; Krichbaum PhD, Kathleen Elaine, 1 cr

23478 025 FWK, instruction mode: Correspondence; Kristofersson, Gisli Kort, 1 cr

23479 026 FWK, instruction mode: Correspondence; Kubik, Martha Young, 1 cr

23480 027 FWK, instruction mode: Correspondence; Lindeke PhD, Linda L, 1 cr

23481 028 FWK, instruction mode: Correspondence; Lindquist, Ruth Ann, 1 cr

23482 029 FWK, instruction mode: Correspondence; Looman PhD, Wendy Sue, 1 cr

23483 030 FWK, instruction mode: Correspondence; Lovinaria, Danilo Nestor Pajarillo, 1 cr

23484 031 FWK, instruction mode: Correspondence; McMahon, Siobhan Kathleen, 1 cr

23485 032 FWK, instruction mode: Correspondence; McMurray, Roxanne R, 1 cr

23486 033 FWK, instruction mode: Correspondence; Monsen, Karen A, 1 cr

23487 034 FWK, instruction mode: Correspondence; Mueller, Christine Ann, 1 cr

23488 035 FWK, instruction mode: Correspondence; O'Conner-Von PhD, Susan K., 1 cr

23489 036 FWK, instruction mode: Correspondence; Olson Keller, Linda, 1 cr

23490 037 FWK, instruction mode: Correspondence; Pechacek RN, Judith Marie, 1 cr

23491 038 FWK, instruction mode: Correspondence; Peden-McAlpine, Cynthia Jeanne, 1 cr

23492 039 FWK, instruction mode: Correspondence; Pesut, Daniel Joseph, 1 cr

23493 040 FWK, instruction mode: Correspondence; Peterson, Barbara Lois, 1 cr

23494 041 FWK, instruction mode: Correspondence; Pfeiffer, Jeanne, 1 cr

23495 042 FWK, instruction mode: Correspondence; Potter PhD, Teddie Michelle, 1 cr

23496 043 FWK, instruction mode: Correspondence; Rhudy, Lori M, 1 cr

23497 044 FWK, instruction mode: Correspondence; Ringdahl, Deborah Rene, 1 cr

23498 045 FWK, instruction mode: Correspondence; Robertson, Cheryl Lee, 1 cr
 23499 046 FWK, instruction mode: Correspondence; Saftner, Melissa, 1 cr
 23500 047 FWK, instruction mode: Correspondence; Sieving, Renee Evangeline, 1 cr
 23501 048 FWK, instruction mode: Correspondence; Steffes, Mary Teresa, 1 cr
 23502 049 FWK, instruction mode: Correspondence; Talley, Kristine Marie, 1 cr
 23503 050 FWK, instruction mode: Correspondence; Treat-Jacobson PhD, Diane Jeanette, 1 cr
 23504 051 FWK, instruction mode: Correspondence; Westra, Bonnie L., 1 cr
 23505 052 FWK, instruction mode: Correspondence; White, Kathryn W., 1 cr
 23506 053 FWK, instruction mode: Correspondence; Wyman, Jean Frances, 1 cr
 23507 054 FWK, instruction mode: Correspondence; Yu, Fang, 1 cr
 24197 055 FWK, instruction mode: Correspondence; Fjone, Andra Lynn, 1 cr

7111 DNP Project Direction II: Implementation

(S-N; prereq 7110, [7101 or Concurrent registration is required (or allowed) in 7101] or instr consent)
 23508 001 FWK, instruction mode: Correspondence; Adwan, Jehad Zaki, 1 cr
 23512 002 FWK, instruction mode: Correspondence; Avery, Melissa D., 1 cr
 23513 003 FWK, instruction mode: Correspondence; Beringer, Linda Holm, 1 cr
 23514 004 FWK, instruction mode: Correspondence; Benbenek, Mary Mescher, 1 cr
 23515 005 FWK, instruction mode: Correspondence; Bliss PhD, Donna Zimmaro, 1 cr
 23516 006 FWK, instruction mode: Correspondence; Bronas, Ulf Gunnar, 1 cr
 23517 007 FWK, instruction mode: Correspondence; Chesney PhD, Mary L., 1 cr
 23518 008 FWK, instruction mode: Correspondence; Cheung, Corjena K., 1 cr
 23519 009 FWK, instruction mode: Correspondence; Clancy, Thomas R., 1 cr
 23520 010 FWK, instruction mode: Correspondence; Dean EdD, Patrick Joseph, 1 cr
 23521 011 FWK, instruction mode: Correspondence; Dierich, Mary Therese, 1 cr
 23522 012 FWK, instruction mode: Correspondence; Drake, Diana M., 1 cr
 23523 013 FWK, instruction mode: Correspondence; Duckett, Laura J., 1 cr
 23524 014 FWK, instruction mode: Correspondence; Findorff, Mary Jocelyn, 1 cr
 23525 015 FWK, instruction mode: Correspondence; Friedrich, Cheri L., 1 cr
 23526 016 FWK, instruction mode: Correspondence; Garcia PhD, Carolyn Marie, 1 cr
 23527 017 FWK, instruction mode: Correspondence; Gaugler, Joseph E., 1 cr
 23528 018 FWK, instruction mode: Correspondence; Hadidi, Niloufar Niakosari, 1 cr
 23529 019 FWK, instruction mode: Correspondence; Hooke, Mary Catherine M., 1 cr
 23530 020 FWK, instruction mode: Correspondence; Juve, Catherine, 1 cr
 23531 021 FWK, instruction mode: Correspondence; Kaas, Merrie Jean, 1 cr
 23532 022 FWK, instruction mode: Correspondence; Kerr, Madeleine June, 1 cr
 23533 023 FWK, instruction mode: Correspondence; Kreitzer, MaryJo, 1 cr
 23534 024 FWK, instruction mode: Correspondence; Krichbaum PhD, Kathleen Elaine, 1 cr
 23535 025 FWK, instruction mode: Correspondence; Kristofersson, Gisli Kort, 1 cr
 23536 026 FWK, instruction mode: Correspondence; Kubik, Martha Young, 1 cr
 23537 027 FWK, instruction mode: Correspondence; Lindeke PhD, Linda L., 1 cr
 23538 028 FWK, instruction mode: Correspondence; Lindquist, Ruth Ann, 1 cr
 23539 029 FWK, instruction mode: Correspondence; Looman PhD, Wendy Sue, 1 cr
 23540 030 FWK, instruction mode: Correspondence; Lovinaria, Danilo Nestor Pajarillo, 1 cr
 23541 031 FWK, instruction mode: Correspondence; McMahon, Siobhan Kathleen, 1 cr
 23542 032 FWK, instruction mode: Correspondence; McMurray, Roxanne R., 1 cr
 23543 033 FWK, instruction mode: Correspondence; Monsen, Karen A., 1 cr
 23544 034 FWK, instruction mode: Correspondence; Mueller, Christine Ann, 1 cr

23545 035 FWK, instruction mode: Correspondence; O'Conner-Von PhD, Susan K., 1 cr
 23546 036 FWK, instruction mode: Correspondence; Olson Keller, Linda, 1 cr
 23547 037 FWK, instruction mode: Correspondence; Pechacek RN, Judith Marie, 1 cr
 23548 038 FWK, instruction mode: Correspondence; Peden-McAlpine, Cynthia Jeanne, 1 cr
 23549 039 FWK, instruction mode: Correspondence; Pesut, Daniel Joseph, 1 cr
 23550 040 FWK, instruction mode: Correspondence; Peterson, Barbara Lois, 1 cr
 23551 041 FWK, instruction mode: Correspondence; Pfeiffer, Jeanne, 1 cr
 23552 042 FWK, instruction mode: Correspondence; Potter PhD, Teddie Michelle, 1 cr
 23553 043 FWK, instruction mode: Correspondence; Rhudy, Lori M., 1 cr
 23554 044 FWK, instruction mode: Correspondence; Ringdahl, Deborah Rene, 1 cr
 23555 045 FWK, instruction mode: Correspondence; Robertson, Cheryl Lee, 1 cr
 23556 046 FWK, instruction mode: Correspondence; Saftner, Melissa, 1 cr
 23557 047 FWK, instruction mode: Correspondence; Sieving, Renee Evangeline, 1 cr
 23558 048 FWK, instruction mode: Correspondence; Steffes, Mary Teresa, 1 cr
 23559 049 FWK, instruction mode: Correspondence; Talley, Kristine Marie, 1 cr
 23560 050 FWK, instruction mode: Correspondence; Treat-Jacobson PhD, Diane Jeanette, 1 cr
 23561 051 FWK, instruction mode: Correspondence; Westra, Bonnie L., 1 cr
 23562 052 FWK, instruction mode: Correspondence; White, Kathryn W., 1 cr
 23563 053 FWK, instruction mode: Correspondence; Wyman, Jean Frances, 1 cr
 23564 054 FWK, instruction mode: Correspondence; Yu, Fang, 1 cr
 24199 055 FWK, instruction mode: Correspondence; Fjone, Andra Lynn, 1 cr

7112 DNP Project Direction III: Evaluation

(S-N; prereq 7111, [7102 or Concurrent registration is required (or allowed) in 7102] or instr consent)
 22510 001 FWK, instruction mode: Correspondence; Adwan, Jehad Zaki, 1 cr
 23581 002 FWK, instruction mode: Correspondence; Avery, Melissa D., 1 cr
 23582 003 FWK, instruction mode: Correspondence; Beringer, Linda Holm, 1 cr
 23583 004 FWK, instruction mode: Correspondence; Benbenek, Mary Mescher, 1 cr
 23584 005 FWK, instruction mode: Correspondence; Bliss PhD, Donna Zimmaro, 1 cr
 23585 006 FWK, instruction mode: Correspondence; Bronas, Ulf Gunnar, 1 cr
 23586 007 FWK, instruction mode: Correspondence; Chesney PhD, Mary L., 1 cr
 23587 008 FWK, instruction mode: Correspondence; Cheung, Corjena K., 1 cr
 23588 009 FWK, instruction mode: Correspondence; Clancy, Thomas R., 1 cr
 23589 010 FWK, instruction mode: Correspondence; Dean EdD, Patrick Joseph, 1 cr
 23590 011 FWK, instruction mode: Correspondence; Dierich, Mary Therese, 1 cr
 23591 012 FWK, instruction mode: Correspondence; Drake, Diana M., 1 cr
 23592 013 FWK, instruction mode: Correspondence; Duckett, Laura J., 1 cr
 23593 014 FWK, instruction mode: Correspondence; Findorff, Mary Jocelyn, 1 cr
 23594 015 FWK, instruction mode: Correspondence; Friedrich, Cheri L., 1 cr
 23595 016 FWK, instruction mode: Correspondence; Garcia PhD, Carolyn Marie, 1 cr
 23596 017 FWK, instruction mode: Correspondence; Gaugler, Joseph E., 1 cr
 23597 018 FWK, instruction mode: Correspondence; Hadidi, Niloufar Niakosari, 1 cr
 23598 019 FWK, instruction mode: Correspondence; Hooke, Mary Catherine M., 1 cr
 23599 020 FWK, instruction mode: Correspondence; Juve, Catherine, 1 cr
 23600 021 FWK, instruction mode: Correspondence; Kaas, Merrie Jean, 1 cr
 23601 022 FWK, instruction mode: Correspondence; Kerr, Madeleine June, 1 cr
 23602 023 FWK, instruction mode: Correspondence; Kreitzer, MaryJo, 1 cr
 23603 024 FWK, instruction mode: Correspondence; Krichbaum PhD, Kathleen Elaine, 1 cr
 23604 025 FWK, instruction mode: Correspondence; Kristofersson, Gisli Kort, 1 cr

23605 026 FWK, instruction mode: Correspondence; Kubik, Martha Young, 1 cr
 23606 027 FWK, instruction mode: Correspondence; Lindeke PhD, Linda L., 1 cr
 23607 028 FWK, instruction mode: Correspondence; Lindquist, Ruth Ann, 1 cr
 23608 029 FWK, instruction mode: Correspondence; Looman PhD, Wendy Sue, 1 cr
 23609 030 FWK, instruction mode: Correspondence; Lovinaria, Danilo Nestor Pajarillo, 1 cr
 23610 031 FWK, instruction mode: Correspondence; McMahon, Siobhan Kathleen, 1 cr
 23611 032 FWK, instruction mode: Correspondence; McMurray, Roxanne R., 1 cr
 23612 033 FWK, instruction mode: Correspondence; Monsen, Karen A., 1 cr
 23613 034 FWK, instruction mode: Correspondence; Mueller, Christine Ann, 1 cr
 23614 035 FWK, instruction mode: Correspondence; O'Conner-Von PhD, Susan K., 1 cr
 23615 036 FWK, instruction mode: Correspondence; Olson Keller, Linda, 1 cr
 23616 037 FWK, instruction mode: Correspondence; Pechacek RN, Judith Marie, 1 cr
 23617 038 FWK, instruction mode: Correspondence; Peden-McAlpine, Cynthia Jeanne, 1 cr
 23618 039 FWK, instruction mode: Correspondence; Pesut, Daniel Joseph, 1 cr
 23619 040 FWK, instruction mode: Correspondence; Peterson, Barbara Lois, 1 cr
 23620 041 FWK, instruction mode: Correspondence; Pfeiffer, Jeanne, 1 cr
 23621 042 FWK, instruction mode: Correspondence; Potter PhD, Teddie Michelle, 1 cr
 23622 043 FWK, instruction mode: Correspondence; Rhudy, Lori M., 1 cr
 23623 044 FWK, instruction mode: Correspondence; Ringdahl, Deborah Rene, 1 cr
 23624 045 FWK, instruction mode: Correspondence; Robertson, Cheryl Lee, 1 cr
 23625 046 FWK, instruction mode: Correspondence; Saftner, Melissa, 1 cr
 23626 047 FWK, instruction mode: Correspondence; Sieving, Renee Evangeline, 1 cr
 23627 048 FWK, instruction mode: Correspondence; Steffes, Mary Teresa, 1 cr
 23628 049 FWK, instruction mode: Correspondence; Talley, Kristine Marie, 1 cr
 23629 050 FWK, instruction mode: Correspondence; Treat-Jacobson PhD, Diane Jeanette, 1 cr
 23630 051 FWK, instruction mode: Correspondence; Westra, Bonnie L., 1 cr
 23631 052 FWK, instruction mode: Correspondence; White, Kathryn W., 1 cr
 23632 053 FWK, instruction mode: Correspondence; Wyman, Jean Frances, 1 cr
 23633 054 FWK, instruction mode: Correspondence; Yu, Fang, 1 cr
 24205 055 FWK, instruction mode: Correspondence; Fjone, Andra Lynn, 1 cr
 26977 063 FWK, instruction mode: Classroom; Fagerlund, Kathleen A., 1 cr

7202 Moral and Ethical Positions and Actions in Nursing

(A-F only; prereq Grad student in nursing or instr consent)
 19947 001 LEC, 01:25pm-03:20pm T, Room TBA, TCEASTBANK, 09/08/15-12/15/15, instruction mode: Classroom; For Prelicensure Master of Nursing students only., 2 cr
 20014 1002 LEC, 04:40pm-07:30pm Th, Room TBA, TCEASTBANK, 09/10/15-09/10/15, 04:40pm-07:30pm Th, Room TBA, TCEASTBANK, 10/15/15-10/15/15, 04:40pm-07:30pm Th, Room TBA, TCEASTBANK, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 2 cr
 34860 003 LEC, 01:25pm-04:25pm F, Room TBA, TCEASTBANK, 09/11/15-09/11/15, 01:25pm-04:25pm F, Room TBA, TCEASTBANK, 10/16/15-10/16/15, 01:25pm-04:25pm F, Room TBA, TCEASTBANK, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP students., 2 cr

7209 Integrative Health and Healing

(prereq 5101, 5200, 5222, 6200, 7000, instr consent)
 21861 1001 LEC, 04:40pm-07:30pm Th, WDH 6-108, 09/10/15-09/10/15, 04:40pm-07:30pm Th, WDH 6-108, 10/15/15-10/15/15, 04:40pm-07:30pm Th, WDH 6-108, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 1 cr

7210 Integrative Health and Healing Practicum I

(S-N; prereq 5101, 5200, 5222, 6200, 7000, beginning level skill in one integrative therapy, instr consent)

21496 !001 FWK, 04:40pm-06:20pm Th, WDH 6-194, 09/10/15-12/10/15, instruction mode: Classroom; Practicum as arranged. There will be no in person class meetings. On the listed dates phone/video conferences. For DNP students., 1 cr

7211 Integrative Health and Healing II

(A-F; prereq 5101, 5200, 5222, 6200, 7000, 7209, 7210, 7900, CSH 5701, beginning level skill in two integrative therapies, instr consent)

21877 001 LEC, 09:05am-11:00am Th, WDH 6-194, 09/10/15-12/10/15, instruction mode: Classroom; For DNP students., 1 cr

7212 Integrative Health and Healing

Practicum II

(S-N; prereq 5101, 5200, 5222, 6200, 7000, 7209, 7210, [7211 or Concurrent registration is required (or allowed) in 7211], 7900, CSH 5701, beginning level skill in two integrative therapies, instr consent)

21878 !001 FWK, 04:40pm-06:20pm Th, Room TBA, TCEASTBANK, 09/10/15-12/10/15, instruction mode: Classroom; Practicum as arranged. There will be no in person class meetings. On the listed dates phone/video conferences. For DNP students., 2 cr

7300 Program Evaluation

(A-F only; prereq Admission to DNP program or instr consent)

18521 001 LEC, 01:25pm-04:25pm Th, Room TBA, TCEASTBANK, 09/10/15-09/10/15, 01:25pm-04:25pm Th, Room TBA, TCEASTBANK, 10/15/15-10/15/15, 01:25pm-04:25pm Th, Room TBA, TCEASTBANK, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 3 cr

7501 Health Care of Children for the Family Nurse Practitioner Practicum

(S-N; prereq 5200, 5222, 5228, 5229, 6501, 7504, 7505, instr consent)

21893 001 FWK, 11:15am-01:10pm W, Room TBA, TCEASTBANK, 09/09/15-12/16/15, instruction mode: Classroom; Practicum as arranged. For DNP FNP students., 1 cr

7504 Assessment and Management of Health for Advanced Practice Nurses, Practicum I

(max crs 2; S-N; prereq 5200, 5222, 5224, 5229, 6501)

20999 001 LEC, 09:05am-11:00am W, Room TBA, TCEASTBANK, 09/09/15-09/09/15, 09:05am-11:00am W, Room TBA, TCEASTBANK, 10/14/15-10/14/15, 09:05am-11:00am W, Room TBA, TCEASTBANK, 11/18/15-11/18/15, 09:05am-11:00am W, Room TBA, TCEASTBANK, 12/16/15-12/16/15, instruction mode: Primarily Online; Practicum as arranged. For DNP ANP/GNP students ONLY., 1-2 cr

21000 002 FWK, 09:05am-11:00am W, WDH 6-108, 09/09/15-12/16/15, instruction mode: Classroom; Practicum as arranged. For DNP FNP students ONLY., 1-2 cr

7506 Family Practice Practicum III: Assessment and Management of Health for the Family Nurse Practitioner

(S-N; prereq 5200, 5222, 5228, 5229, 6501, 7504, 7505, instr consent)

21894 001 FWK, 01:25pm-03:20pm W, WDH 6-194, 09/09/15-12/16/15, instruction mode: Classroom; Practicum as arranged. For DNP FNP students., 1 cr

7516 Health Care of Children for the Family Nurse Practitioner: Acute and Chronic Management

(A-F; prereq 5200, 7515, 7504, 7505)

26010 001 LEC, 01:25pm-03:20pm W, WDH 6-108, 09/09/15-12/16/15, instruction mode: Classroom; For DNP students., 2 cr

7600 Nursing Research and Evidence Based Practice

(max crs 4; A-F; prereq Completion of or concurrent enrollment in a 3 credit inferential statistics course)

25312 001 LEC, 01:25pm-04:25pm F, Room TBA, TCEASTBANK, 09/11/15-09/11/15, 01:25pm-04:25pm F, Room TBA, TCEASTBANK, 10/16/15-10/16/15, 01:25pm-04:25pm F, Room TBA, TCEASTBANK, 11/20/15-11/20/15, instruction mode: Primarily Online; For DNP students, 2-4 cr

7610 System Leadership and Innovation

(A-F; prereq Grad student or instr consent)

20001 001 LEC, 01:25pm-04:25pm Th, Room TBA, TCEASTBANK, 09/10/15-09/10/15, 01:25pm-04:25pm Th, Room TBA, TCEASTBANK, 10/15/15-10/15/15, 01:25pm-04:25pm Th, Room TBA, TCEASTBANK, 11/19/15-11/19/15, instruction mode: Primarily Online; For DNP students., 3 cr

34868 002 LEC, 09:05am-12:05pm S, Room TBA, TCEASTBANK, 09/12/15-09/12/15, 09:05am-12:05pm S, Room TBA, TCEASTBANK, 10/17/15-10/17/15, 09:05am-12:05pm S, Room TBA, TCEASTBANK, 11/21/15-11/21/15, instruction mode: Primarily Online; For DNP students., 3 cr

7904 Nursing Education Practicum

(S-N; prereq [7900 or equiv], in nursing [DNP or PhD] program)

22905 001 FWK, 01:25pm-03:20pm F, WDH 6-108, 09/11/15-09/11/15, 01:25pm-03:20pm S, WDH 6-108, 10/17/15-10/17/15, 01:25pm-03:20pm F, WDH 6-108, 11/20/15-11/20/15, instruction mode: Classroom; For DNP or PhD students., 2 cr

7942 Application of Behavior Change Theory to Population Health Practicum

(S-N; prereq 6930, PubH 6020)

26620 001 FWK, instruction mode: Classroom, 2 cr

8121 Health Behaviors and Illness

Responses

(A-F only; prereq Doctoral student or instr consent)

17191 001 LEC, 09:05am-12:05pm W, Room TBA, TCEASTBANK, 09/09/15-12/16/15, instruction mode: Classroom, 3 cr

8172 Theory and Theory Development for Research

(prereq Doctoral student)

15861 001 LEC, 09:05am-12:05pm Th, MoosT 1-104, 09/10/15-12/10/15, instruction mode: Classroom, 3 cr

8173 Principles and Methods of Implementing Research

(Credit will not be granted if credit has been received for: SAPH 8173; prereq 8114 or other 8xxx grad research methods course, 2 grad stat courses;)

21851 001 LEC, 09:05am-12:05pm Th, ROOM-TBA, 09/10/15-12/10/15, instruction mode: Classroom; This class meets in Weaver-Densford Hall 7-173., 3 cr

8175 Quantitative Research Design and Methods

(A-F only; prereq [PhD student in nursing, advanced applied statistics] or instr consent)

16136 001 LEC, 09:05am-12:05pm W, MoosT 1-108, 09/09/15-12/16/15, instruction mode: Classroom, 3 cr

8177 Advanced Nursing Research Practicum

(S-N only; prereq PhD nursing student, instr consent, adviser consent)

12414 001 FWK, instruction mode: Classroom; , 2 cr
13328 002 FWK, instruction mode: Classroom; , 2 cr
13329 003 FWK, instruction mode: Classroom; , 2 cr

8180 Doctoral Proseminar I: Scholarly Development

(S-N only; prereq Doctoral nursing student)

15804 001 LEC, 02:30pm-04:25pm Th, WDH 6-194, 09/10/15-12/10/15, instruction mode: Classroom; , 1 cr

8185 Qualitative Data Analysis for Health Care Research

(max crs 4; prereq 8171 or grad course in qualitative research methods)

19937 001 LEC, 01:25pm-04:25pm W, MoosT 1-108, 09/09/15-12/16/15, instruction mode: Classroom; , 3-4 cr

8193 Special Topics in Nursing Research

(max crs 6; prereq instr consent)

12047 001 IND, instruction mode: Classroom, 1-6 cr
13807 002 IND, instruction mode: Classroom, 1-6 cr
13808 003 IND, instruction mode: Classroom, 1-6 cr

8360 Advanced Clinical Nursing

(max crs 6; prereq Grad nurs major, instr consent)

12226 001 IND, instruction mode: Classroom; , 1-6 cr
12227 002 IND, instruction mode: Classroom; , 1-6 cr
12228 003 IND, instruction mode: Classroom, 1-6 cr

8361 Special Topics in Nursing

(max crs 4; prereq Grad nurs major, instr consent)

12048 001 IND, instruction mode: Classroom; , 1-4 cr
13332 002 IND, instruction mode: Classroom; , 1-4 cr
13333 003 IND, instruction mode: Classroom; , 1-4 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14132 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14248 001 IND, instruction mode: Classroom; , 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13765 001 IND, instruction mode: Classroom, 1-24 cr

NUTRITION (Nutr)

225 Food Science & Nutrition Building, 1334 Eckles Ave, St Paul Campus, St Paul, MN, 55108

612/624-1290, <http://fscn.cfans.umn.edu>

5624 Nutrition and Genetics

(prereq Biochemistry)

21366 001 LEC, 08:30am-09:20am MW, RuttanH B22, STPAUL, instruction mode: Classroom; Course prerequisites include: Biochemistry (BIOC 3021) or equivalent, Nutritional Biochemistry (NUTR 5625), and Nutritional Physiology (NUTR 5626); Trudo, Sabrina Peterson, 2 cr

5625 Nutritional Biochemistry

(A-F; prereq BIOC 3021 or instr consent)

20733 !001 LEC, 04:30pm-05:45pm TTh, RuttanH 143, STPAUL, instruction mode: Classroom; Nutrition graduate students should select A-F grading basis.; Meets with: 21203 ANSC 5625; Chen, Chi, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

13997 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14133 001 IND, instruction mode: Classroom, 1 cr

8620 Advances in Nutrition

(prereq M.S. or Ph.D. student, two semesters in the nutrition program)

17339 001 DIS, 08:30am-10:25am T, PetH 145, STPAUL, instruction mode: Classroom; Students must complete two semesters of the Nutrition Graduate Program prior to enrollment in NUTR 8620. Contact Sara Jane Cannon at fscnug@umn.edu or scannon@umn.edu for permission to enroll.; Kotz PhD, Catherine M, 2 cr

8621 Presentation Skills

(S-N only; prereq dept consent)

13428 001 LEC, 10:40am-12:35pm M, RuttanH B26, STPAUL, instruction mode: Classroom; Reicks, Marla M, 1 cr

8695 Independent Study: Nutrition

(max crs 30; 3 repeats allowed; prereq instr consent)

13976 001 IND, instruction mode: Classroom; To register, complete the Directed/Independent Study form found at <https://fscn.cfans.umn.edu/graduate-programs/student-forms>. Have your faculty adviser sign off, and return the form to Sara Cannon in 225k FSCN or at scannon@umn.edu, 1-10 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14331 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13766 001 IND, instruction mode: Classroom, 1-24 cr

OBSTETRICS AND GYNECOLOGY (Obst)

12-211 MoosT (Box 395 UMHC), 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/626-3111, <http://www.med.umn.edu/obgyn>

7500 Externship in Obstetrics, Gynecology and Women's Health: The Primary Health Care of Women

(HNV; prereq regis med)

- 12519 003 FWK, 08/03/15-12/23/15, 07:30am-11:30am F, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; Yamamura, Yasuko; Egger-Smith, Deborah J, 6 cr
12520 004 FWK, 08/03/15-12/23/15, 07:30am-11:30am F, Room TBA, TCEASTBANK, 08/03/15-12/23/15, instruction mode: Classroom; Egger-Smith, Deborah J; Yamamura, Yasuko, 6 cr
12521 005 FWK, 08/06/15-01/28/16, 07:30am-11:30am W, Room TBA, TCEASTBANK, 08/06/15-01/28/16, instruction mode: Classroom; Yamamura, Yasuko; Egger-Smith, Deborah J, 6 cr

7520 Advanced Externship in Ob/Gyn

(HNV; prereq 7500)

- 12522 005 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr

7521 Advanced Externship in Ob/Gyn

(HNV; prereq 7500, instr consent)

- 13613 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr

7530 Advanced Externship in Ob/Gyn

(max crs 4; HNV; prereq 7500, instr consent)

- 13615 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3-4 cr

7540 Advanced Externship in Ob/Gyn

(HNV; prereq 7500)

- 12523 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 6 cr
12524 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 6 cr
12525 005 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 6 cr

7541 Advanced Externship in Ob/Gyn

(max crs 6; HNV; prereq 7500, instr consent)

- 14517 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7550 Reproductive Health

(max crs 6; P-N; prereq 7500, dept consent)

- 16907 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7560 Research in Reproduction

(max crs 6; HNV; prereq 7500)

- 12526 005 IND, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12527 006 IND, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12528 007 IND, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12529 008 IND, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12530 009 IND, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
12531 019 IND, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12532 020 IND, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12533 021 IND, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7575 Gynecological Pathology and Diagnostic Cytology

(max crs 6; HNV; prereq 7500)

- 12534 005 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12535 006 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12536 007 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12537 008 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

- 12538 009 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
12539 019 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12540 020 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12541 021 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7591 Women's Health Rotation

(max crs 6; HNV; prereq 7500, Med 5500)

- 13616 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

8224 Gynecological Endocrinology I

(max crs 15; prereq prereq 8223)

- 12846 001 LEC, instruction mode: Classroom, 1-15 cr

8225 Gynecological Endocrinology II

(max crs 15; prereq prereq 8224)

- 12847 001 LEC, 08/07/15-06/15/16, instruction mode: Classroom, 1-15 cr

8226 Obstetrical Physiology and Anesthesiology

(max crs 15; prereq prereq 8225)

- 12848 001 LEC, instruction mode: Classroom, 1-15 cr

8227 Preceptorship in Clinical Practice

(max crs 15; prereq prereq 8226)

- 12849 001 LEC, instruction mode: Classroom, 1-15 cr

8240 Human Gametes and Fertilization

- 12859 001 LEC, instruction mode: Classroom, 3 cr

8241 Human Gametes and Fertilization Laboratory

- 12860 001 LEC, instruction mode: Classroom, 2 cr

8243 Topics in Family Planning

(max crs 12)

- 12861 001 LEC, instruction mode: Classroom, 2-8 cr

OCCUPATIONAL THERAPY (OT)

271 Children's Rehabilitation Center (Box 388 UMHC), 426 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/626-5887, <http://www.ot.umn.edu>

1003 Introduction to Occupational Therapy

(A-F)

- 24493 001 LEC, instruction mode: Correspondence; Jacobs, Cindy, 1 cr

5395 Independent Study in Occupational Therapy

(max crs 16; 16 repeats allowed; prereq Enrolled OT student or instr consent)

- 11150 001 IND, instruction mode: Classroom; McGee, Corey Weston, 1-4 cr

6100 Public and Professional Engagement I

(max crs 1; S-N)

- 18409 001 LEC, 09/08/15-12/18/15, instruction mode: Primarily Online; This is a semester long online course with three (3) on campus dates. For more information check the shared schedule for admitted OT students at <http://cahp.umn.edu/ot-current> or contact the instructor, Chris Bourland at stra0183@umn.edu, (612) 626-3995.; Bourland, Christina H, 0.50 cr
18410 002 LEC, 09/08/15-12/18/15, instruction mode: Partially Online; This is a semester long online course with three (3) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Chris Bourland at stra0183@umn.edu, (612) 626-3995.; Bourland, Christina H, 0.50 cr

6101 Foundations of Occupational Science and Occupational Therapy

(A-F)

- 18411 001 LEC, 09/08/15-12/18/15, instruction mode: Primarily Online; This is a semester long online course with one (1) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Patricia Schaber at schab002@umn.edu, (612) 626-5111.; Schaber PhD, Patricia Louise, 4 cr
18412 002 LEC, 09/08/15-12/18/15, instruction mode: Primarily Online; This is a semester long online course with one (1) on campus dates. For more information check the

shared schedule for admitted OT students or contact the instructor, Patricia Schaber at schab002@umn.edu, (612) 626-5111.; Schaber PhD, Patricia Louise, 4 cr

6102 Professional Identity: Behaviors and Attitudes

(S-N)

- 18413 001 LEC, 09/08/15-12/18/15, instruction mode: Partially Online; This is a semester long online course with two (2) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Erica Stern at stern001@umn.edu, (612) 626-2799.; Stern PhD, Erica Beth, 2 cr
18414 002 LEC, 09/08/15-12/18/15, instruction mode: Partially Online; This is a semester long online course with two (2) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Erica Stern at stern001@umn.edu, (612) 626-2799.; Stern PhD, Erica Beth, 2 cr

6103 Occupational Therapy Process for Society

(A-F)

- 18415 001 LEC, 09/08/15-12/18/15, instruction mode: Partially Online; This is a semester long online course with five (5) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Peggy Martin at marti370@umn.edu, (612) 626-4358.; Martin PhD, Peggy Mae, 3 cr
18416 002 LEC, 09/08/15-12/18/15, instruction mode: Partially Online; This is a semester long online course with five (5) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Peggy Martin at marti370@umn.edu, (612) 626-4358.; Martin PhD, Peggy Mae, 3 cr

6111 Foundations: Occupations as Therapy

(A-F)

- 18417 001 LEC, 09/08/15-12/18/15, instruction mode: Partially Online; This is a semester long online course with five (5) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Terriane Jones at jone1727@umn.edu, (612) 626-3252.; Jones, Terriane Thielen, 3 cr
18418 002 LEC, 09/08/15-12/18/15, instruction mode: Partially Online; This is a semester long online course with five (5) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Terriane Jones at jone1727@umn.edu, (612) 626-3252.; Jones, Terriane Thielen, 3 cr

6113 Occupational Therapy Process for Community

(A-F)

- 18419 001 LEC, 09/08/15-12/18/15, instruction mode: Partially Online; This is a semester long online course with five (5) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Meena Iyer at mbyier@umn.edu, (507) 258-8121.; Iyer, Meenakshi B, 3 cr
18420 002 LEC, 09/08/15-12/18/15, instruction mode: Partially Online; This is a semester long online course with five (5) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Meena Iyer at mbyier@umn.edu, (507) 258-8121.; Iyer, Meenakshi B, 3 cr

6200 Public and Professional Engagement II

(max crs 1.50; 3 repeats allowed; S-N; prereq 6100 or instr consent)

- 19368 001 IND, 09/08/15-12/18/15, instruction mode: Primarily Online; This is a semester long online course with one (1) on campus date. For more information check the shared schedule for admitted OT students or contact the instructor, Meena Iyer at mbyier@umn.edu, (507) 258-8121.; Iyer, Meenakshi B, 0.50 cr
19369 002 IND, 09/08/15-12/18/15, instruction mode: Primarily Online; This is a semester long online course with one (1) on campus date. For more information check the shared schedule for admitted OT students or contact the instructor, Chris Bourland at stra0183@umn.edu, (612) 626-3995.; Bourland, Christina H, 0.50 cr

6402 Occupational Therapy Process for Individuals: Occupation Through Neurorehabilitative Approaches

(A-F; prereq Registered OT student or instr consent)

- 19354 001 LEC, 09/08/15-12/18/15, instruction mode: Partially Online; This is a semester long online course with fifteen (15) on campus dates. For more information check the shared schedule for admitted OT students or contact

the instructor, Patricia Schaber at schab002@umn.edu, (612) 626-5111.; Schaber PhD, Patricia Louise, 4 cr
 19355 002 LEC, 09/08/15-12/18/15, instruction mode:
 Partially Online; This is a semester long online course with fifteen (15) on campus dates. For more information check the shared schedule for admitted OT students or contact the instructor, Patricia Schaber at schab002@umn.edu, (612) 626-5111.; Schaber PhD, Patricia Louise, 4 cr

6403 Management of Occupational Therapy Services

(A-F; prereq Registered OT student or instr consent)
 19356 001 LEC, 09/08/15-12/18/15, instruction mode:
 Primarily Online; This is a semester long online course with three (3) on campus date. For more information check the shared schedule for admitted OT students or contact the instructor, Chris Bourland at stra0183@umn.edu, (612) 626-3995.; Bourland, Christina H, 1 cr
 19357 002 LEC, 09/08/15-12/18/15, instruction mode:
 Primarily Online; This is a semester long online course with three (3) on campus date. For more information check the shared schedule for admitted OT students or contact the instructor, Chris Bourland at stra0183@umn.edu, (612) 626-3995.; Bourland, Christina H, 1 cr

6412 Occupational Therapy Process for Individuals: Orthotics and Prosthetics

(A-F; prereq Registered OT student or instr consent)
 19358 001 LEC, 09/08/15-12/18/15, instruction mode:
 Partially Online; This is a semester long online course with thirteen (13) on campus date. For more information check the shared schedule for admitted OT students or contact the instructor, Corey McGee at mcge0062@umn.edu, (507) 258-8016.; McGee, Corey Weston, 3 cr
 19359 002 LEC, 09/08/15-12/18/15, instruction mode:
 Partially Online; This is a semester long online course with thirteen (13) on campus date. For more information check the shared schedule for admitted OT students or contact the instructor, Corey McGee at mcge0062@umn.edu, (507) 258-8016.; McGee, Corey Weston, 3 cr

6422 Occupational Therapy Process:

Group Context
 (A-F; prereq Registered OT student or instr consent)
 19360 001 IND, 09/08/15-12/18/15, instruction mode:
 Primarily Online; This is a semester long online course with two (2) on campus date. For more information check the shared schedule for admitted OT students or contact the instructor, Patricia Schaber at schab002@umn.edu, (612) 626-5111.; Schaber PhD, Patricia Louise, 2 cr
 19361 002 IND, 09/08/15-12/18/15, instruction mode:
 Primarily Online; This is a semester long online course with two (2) on campus date. For more information check the shared schedule for admitted OT students or contact the instructor, Patricia Schaber at schab002@umn.edu, (612) 626-5111.; Schaber PhD, Patricia Louise, 2 cr

6432 Occupational Therapy Process for Individuals: Educational Context

(A-F; prereq Registered OT student or instr consent)
 19362 001 LEC, 09/08/15-12/18/15, instruction mode:
 Partially Online; This is a semester long online course with six (6) on campus date. For more information check the shared schedule for admitted OT students or contact the instructor, Leann Shore at shor0177@umn.edu.; Shore, Leann M, 2 cr
 19363 002 LEC, 09/08/15-12/18/15, instruction mode:
 Partially Online; This is a semester long online course with six (6) on campus date. For more information check the shared schedule for admitted OT students or contact the instructor, Leann Shore at shor0177@umn.edu., 2 cr

7101 Foundations of Occupational Science and Occupational Therapy

(A-F; prereq Grad student, instr consent)
 21171 001 LEC, 08/07/15-06/15/16, instruction mode:
 Classroom, 4 cr
 21172 002 LEC, 08/07/15-06/15/16, instruction mode:
 Classroom, 4 cr

7201 Scholarly Inquiry in Health Sciences

(A-F; prereq OT student or instr consent)
 19364 001 LEC, 08/07/15-06/15/16, instruction mode:
 Classroom, 4 cr
 19365 002 LEC, 08/07/15-06/15/16, instruction mode:
 Classroom, 4 cr

7494 Scholarly Project in OT II

(S-N; prereq Registered OT student or instr consent)
 19366 001 IND, 09:00am-11:00am F, . ROCH-TBA, ROCHESTER, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Martin PhD, Peggy Mae, 4 cr

19367 002 IND, 02:00pm-02:50pm F, ChRC R255, 08/07/15-06/15/16, instruction mode: Independent/Directed Studies; Martin PhD, Peggy Mae, 4 cr
 22294 003 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Jones, Terrienne Thielen, 4 cr
 22295 004 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Jones, Terrienne Thielen, 4 cr
 22296 005 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Mathiowetz PhD, Virgil G, 4 cr
 22297 006 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Mathiowetz PhD, Virgil G, 4 cr
 22298 007 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; McGee, Corey Weston, 4 cr
 22299 008 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; McGee, Corey Weston, 4 cr
 22300 009 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Schaber PhD, Patricia Louise, 4 cr
 22301 010 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Schaber PhD, Patricia Louise, 4 cr
 22302 011 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Stern PhD, Erica Beth, 4 cr
 22303 012 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Stern PhD, Erica Beth, 4 cr
 22321 013 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies, 4 cr
 22322 014 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies, 4 cr
 26199 015 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Potegal, Michael, 4 cr
 26200 016 IND, 08/07/15-06/15/16, instruction mode:
 Independent/Directed Studies; Potegal, Michael, 4 cr

7596 Occupational Therapy Level II

Fieldwork I
 (S-N; prereq Registered OT student or instr consent)
 20029 001 FWK, 08/07/15-06/15/16, instruction mode:
 Classroom; Bourland, Christina H, 6 cr
 20030 002 FWK, 08/07/15-06/15/16, instruction mode:
 Classroom; Bourland, Christina H, 6 cr

7696 Occupational Therapy Level II

Fieldwork II
 (S-N; prereq Registered OT student or instr consent)
 20031 001 FWK, 08/07/15-06/15/16, instruction mode:
 Classroom; Bourland, Christina H, 6 cr
 20032 002 FWK, 08/07/15-06/15/16, instruction mode:
 Classroom; Bourland, Christina H, 6 cr

7796 Occupational Therapy Level II

Fieldwork III: Optional
 (max crs 6; S-N; prereq Registered OT student or instr consent)
 20033 001 FWK, 08/07/15-06/15/16, instruction mode:
 Classroom; Bourland, Christina H, 1-6 cr
 20034 002 FWK, 08/07/15-06/15/16, instruction mode:
 Classroom; Bourland, Christina H, 1-6 cr

OFF-CAMPUS STUDY (OCS)

220 Johnston Hall, 101 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/624-7577, <http://www.cclc.umn.edu>

520 Off-Campus Study

(S-N; prereq dept consent)
 11781 001 LEC, instruction mode: Classroom; Holliday, David Wallace, 0 cr

550 National Student Exchange: Off-Campus Study

(3 repeats allowed; S-N; prereq dept consent)
 11782 001 LEC, instruction mode: Classroom; Holliday, David Wallace, 0 cr

1550 National Student Exchange: Off-Campus Study

(max crs 15; 3 repeats allowed; S-N; prereq dept consent)
 11783 001 LEC, instruction mode: Classroom; Holliday, David Wallace, 1-15 cr

3500 Domestic Off-Campus

(max crs 15; S-N; prereq dept consent)
 12060 001 LEC, instruction mode: Classroom; Holliday, David Wallace, 1-15 cr

3550 National Student Exchange: Off-Campus Study

(max crs 40; S-N; prereq dept consent)
 11784 001 FWK, instruction mode: Classroom, 0-20 cr

OFFICE OF UNDERGRADUATE EDUCATION (OUE)

220 Morrill Hall, 100 Church St SE, East Bank Campus, Minneapolis, MN, 55455
 612/626-9425, <http://www.academic.umn.edu/provost/undergrad/index.html>

1086 The First Year Experience

(A-F; prereq 1st-yr student athletes)
 1001 LEC, 07:00pm-08:15pm M, STSS 114, instruction mode:
 Classroom; Young PhD, Julie L
 21933 002 DIS, 08:15am-09:30am T, BFAB 105, instruction mode: Classroom; Young PhD, Julie L, 2 cr
 21934 003 DIS, 09:45am-11:00am T, BFAB 105, instruction mode: Classroom; Young PhD, Julie L, 2 cr
 21935 004 DIS, 09:45am-11:00am Th, BFAB 105, instruction mode: Classroom; Young PhD, Julie L, 2 cr
 21936 1005 DIS, 05:30pm-06:45pm W, BFAB 105, instruction mode: Classroom; Young PhD, Julie L, 2 cr
 21937 1006 DIS, 07:00pm-08:15pm W, BFAB 105, instruction mode: Classroom; Young PhD, Julie L, 2 cr

2100 Academic Planning and Exploration

(prereq Ctr for Academic Planning and Exploration (CAPE) consent)
 21718 001 IND, 09/08/15-10/26/15, instruction mode:
 Primarily Online; This is a 7-week course delivered primarily online, but also includes two individual in-person meetings with the instructor. Students must complete a Pre-Registration Questionnaire for course approval. Form available at <http://cape.umn.edu/services/course/>; Reile, Lucy; Ellsworth, Chad; LeBlanc, Susan Lynn, 1 cr
 21229 003 IND, 10/27/15-12/16/15, instruction mode:
 Primarily Online; This is a 7-week course delivered primarily online, but also includes two individual in-person meetings with the instructor. Students must complete a Pre-Registration Questionnaire for course approval. Form available at <http://cape.umn.edu/services/course/>; LeBlanc, Susan Lynn, 1 cr
 24368 004 IND, 10/27/15-12/16/15, instruction mode:
 Primarily Online; This is a 7-week course delivered primarily online, but also includes two individual in-person meetings with the instructor. Students must complete a Pre-Registration Questionnaire for course approval. Form available at <http://cape.umn.edu/services/course/>; LeBlanc, Susan Lynn, 1 cr

3050 Introduction to Peer Education

22118 1001 LEC, 04:40pm-05:30pm Th, VinH 364, instruction mode: Classroom; Williams, Lynell R, 1 cr

OJIBWE (Ojib)

19 Scott Hall, 72 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/624-1338, <http://amin.umn.edu/>

1101 Beginning Ojibwe I

(Credit will not be granted if credit has been received for: OJIB 4101)
 18775 001 LEC, 11:15am-12:05pm MTWThF, BuH 120, instruction mode: Classroom; Meets with: 19918 OJIB 4101; Goose, Michelle Renae, 5 cr

3103 Intermediate Ojibwe I

(Credit will not be granted if credit has been received for: OJIB 4103; prereq 1101, 1102)
 18776 001 LEC, 01:25pm-02:15pm MTWThF, Cive 213, instruction mode: Classroom; Meets with: 19919 OJIB 4103; Goose, Michelle Renae, 5 cr

3127 Ojibwe Language for Teachers

(A-F; prereq 1101)
 26749 1001 LEC, 06:20pm-08:50pm M, RapsonH 15, instruction mode: Classroom; Goose, Michelle Renae, 3 cr

4101 Beginning Ojibwe I

(Credit will not be granted if credit has been received for: OJIB 1101; prereq 1004 in another language or passing score on LPE or grad student)
 19918 001 LEC, 11:15am-12:05pm MTWThF, BuH 120, instruction mode: Classroom; Meets with: 18775 OJIB 1101; Goose, Michelle Renae, 3 cr

4103 Intermediate Ojibwe I

(Credit will not be granted if credit has been received for: OJIB 3103; prereq 1101, 3103)
19919 001 LEC, 01:25pm-02:15pm MTWThF, CivE 213, instruction mode: Classroom; Meets with: 18776 OJIB 3103; Goose, Michelle Renae, 3 cr

5106 Advanced Ojibwe Language I

(max crs 12; 4 repeats allowed; A-F only)
18647 001 LEC, 02:30pm-03:20pm MWF, PeikH 165, instruction mode: Classroom; Goose, Michelle Renae, 3 cr

OPHTHALMOLOGY (Oph)

9th Floor PWB (Box 493 UMHC), 516 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-4400, <http://www.med.umn.edu/ophthalmology/>

5601 Orthoptics II

(S-N; prereq Enrollment in Orthoptics Certificate program)
27090 001 FWK, instruction mode: Classroom, 5 cr

7180 Externship in Ophthalmology

(HNV)
12542 005 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr
12543 006 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr
12544 008 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Andersen, Valerie, 3 cr
12545 009 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Andersen, Valerie, 3 cr

7190 Ophthalmology Research Problems

(max crs 15; HNV)
12546 001 IND, 08/03/15-12/23/15, instruction mode: Classroom, 1-15 cr
13711 002 IND, 08/03/15-12/23/15, instruction mode: Classroom; Andersen, Valerie, 1-15 cr

ORAL AND MAXILLOFACIAL SURGERY (OSur)

7-174 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-7133, <http://www.dentistry.umn.edu>

5257 Ambulatory General Anesthesia for the Oral and Maxillofacial Surgeon

(max crs 6; S-N; prereq Participation in oral and maxillofacial surgery training program.)
12617 001 FWK, instruction mode: Classroom; PWB 7-302; Hughes, Pamela Jean, 0-6 cr

5276 Medicine Rotation for the Oral and Maxillofacial Surgeon

(max crs 6; S-N; prereq Participation in oral and maxillofacial surgery training program.)
12616 001 FWK, 06:30am-07:30am TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Hughes, Pamela Jean, 0-6 cr

8250 Oral and Maxillofacial Surgery Rotation for the Oral and Maxillofacial Surgeon

(max crs 6; S-N; prereq Participation in oral and maxillofacial surgery training program)
12614 001 FWK, instruction mode: Classroom; HCMC, VA Hosp. Methodist Hosp.; Hughes, Pamela Jean, 0-6 cr

8251 Oral and Maxillofacial Surgery Core Curriculum

(max crs 2; S-N; prereq Participation in oral and maxillofacial surgery training program)
12613 001 LEC, 01:30pm-03:30pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Hughes, Pamela Jean, 0-2 cr

8255 General Surgery Rotation for the Oral and Maxillofacial Surgeon

(max crs 6; S-N; prereq Participation in oral and maxillofacial surgery training program)
12615 001 FWK, instruction mode: Classroom; HCMC; Hughes, Pamela Jean, 0-6 cr

8256 Contemporary Anesthesia Literature Review

(max crs 6; S-N; prereq Participation in oral and maxillofacial surgery training program)
12620 001 LEC, 08:00am-09:00am M, Room TBA, TCEASTBANK, instruction mode: Classroom; Hughes, Pamela Jean, 0-6 cr

8260 Surgical Rounds for the Oral and Maxillofacial Surgeon

(max crs 6; S-N; prereq Participation in oral and maxillofacial surgery training program)
12619 001 FWK, 06:30am-07:30am T, Room TBA, TCEASTBANK, instruction mode: Classroom; Hughes, Pamela Jean, 0-6 cr

8262 Plastic Surgery Rotation for the Oral and Maxillofacial Surgeon

(max crs 6; S-N; prereq Participation in oral and maxillofacial surgery training program)
21147 001 FWK, instruction mode: Classroom, 0-6 cr

8267 Anesthesia Rotation for the Oral and Maxillofacial Surgeon

(max crs 6; S-N; prereq Participation in oral and maxillofacial surgery training program)
12618 001 FWK, instruction mode: Classroom; Fairview U Med Center; Hughes, Pamela Jean, 0-6 cr

ORAL BIOLOGY (OBio)

15-209 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9982, <http://www.dentistry.umn.edu>

5001 Methods in Research and Writing

12291 001 LEC, 03:30pm-05:00pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; MoosT 18-211; Rudney, Joel David, 2 cr

8026 Salivary Glands and Secretions

(A-F only; prereq Dental specialist or oral research trainee or instr consent)
23243 001 LEC, instruction mode: Classroom; Class time determined by participant availability and will be scheduled directly by instructor at beginning of term.; Rudney, Joel David, 2 cr

8030 Oral Biology Seminar

(max crs 10; 10 repeats allowed; S-N only; prereq Dental specialist or oral research trainee or instr consent)
12307 001 LEC, 12:00pm-01:00pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Gopalakrishnan, Rajaram, 1 cr

8093 Tutorial in Oral Biology

(max crs 2; S-N; prereq instr consent)
12327 001 IND, instruction mode: Classroom; Herzberg, Mark C, 1-2 cr

8094 Directed Research

(max crs 10; S-N only; prereq instr consent)
12328 001 IND, instruction mode: Classroom; Herzberg, Mark C, 1-10 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
13998 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14134 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14249 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14332 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13767 001 IND, instruction mode: Classroom; Manky, Kim, 1-24 cr

ORGANIZATIONAL LEADERSHIP, POLICY AND DEVELOPMENT (OLPD)

330 Wulling Hall, 86 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-1006, <http://www.cehd.umn.edu/olpd/>

1301W Personal Leadership in the University

(Credit will not be granted if credit has been received for: PA 1961W, OLPD 1302; A-F; [added to PS note field, course notes sequence nbr 3:] credit will not be granted if credit already received for: EdPA 1301W/EdPA 1302/PA 1961W/CFAN 3480/CFAN 1101; meets CLE req of Writing Intensive)

10478 1001 LEC, 05:30pm-08:30pm W, FolH 123, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 001. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 13300 PA 1961W, 3 cr

10479 002 LEC, 01:00pm-02:15pm MW, NichH 355, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 002. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 16209 PA 1961W, 3 cr

10480 003 LEC, 09:45am-11:00am MW, NichH 355, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 003. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 13487 PA 1961W, 3 cr

10481 004 LEC, 01:00pm-02:15pm TTh, ApH 103, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 004. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 13488 PA 1961W, 3 cr

27404 005 LEC, 04:00pm-05:15pm TTh, FolH 116, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 001. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 27405 PA 1961W, 3 cr

10486 006 LEC, 08:15am-09:30am MW, ApH 226, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 006. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 18168 PA 1961W, 3 cr

23786 007 LEC, 09:45am-11:00am TTh, ApH 103, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 007. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 23770 PA 1961W, 3 cr

31571 1008 LEC, 05:30pm-06:45pm TTh, FolH 6, instruction mode: Classroom; Meets with: 31572 PA 1961W, 3 cr

34277 009 LEC, 02:30pm-03:45pm MW, FolH 116, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 009. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 34278 PA 1961W, 3 cr

10498 010 LEC, 04:00pm-05:15pm MW, FolH 8, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 010. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 21026 PA 1961W, 3 cr

23787 011 LEC, 02:30pm-03:45pm TTh, FolH 116, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 011. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 23771 PA 1961W, 3 cr

10499 012 LEC, instruction mode: Correspondence; This section will be delivered online. The instructor will contact students regarding technology requirements. More seats for this same class may be available under PA 1961W, section 012. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 22129 PA 1961W, 3 cr

10506 013 LEC, instruction mode: Correspondence; This section will be delivered online. The instructor will contact students regarding technology requirements. More seats for this same class may be available under PA 1961W, section 013. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 21962 PA 1961W, 3 cr

22319 014 LEC, instruction mode: Correspondence; This section will be delivered online. The instructor will contact

students regarding technology requirements. More seats for this same class may be available under PA 1961W, section 014. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 22317 PA 1961W, 3 cr

22427 016 LEC, 09:45am-11:00am TTh, ApH 226, instruction mode: Classroom; This course is partially online. More seats for this same class may be available under PA 1961W, section 016. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 22318 PA 1961W, 3 cr

25021 017 LEC, 11:15am-12:30pm MW, FolH 4, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 017. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 25032 PA 1961W, 3 cr

25022 020 LEC, 11:15am-12:30pm TTh, PeikH 335, instruction mode: Classroom; More seats for this same class may be available under PA 1961W, section 020. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 25033 PA 1961W, 3 cr

1302 Personal Leadership in the University

(Credit will not be granted if credit has been received for: PA 1961W, OLPD 1301W; A-F; credit will not be granted if credit already received for: EdPA 1302 or EdPA 1301W)

10500 001 LEC, 09:45am-11:00am MW, PeikH 165, instruction mode: Classroom; Reserved for BME and HRD Majors only; Omari, Abdul Majid, 3 cr

10501 002 LEC, 11:15am-12:30pm TTh, BuH 123, instruction mode: Classroom; Reserved for BME and HRD Majors only, 3 cr

23509 003 LEC, 02:30pm-03:45pm TTh, WullH 240, instruction mode: Classroom, 3 cr

24277 004 LEC, 01:00pm-02:15pm MW, BuH 123, instruction mode: Classroom, 3 cr

1801 Introduction to Career and Technical Education Teaching

(A-F only; prereq Occupationally certifiable individual; credit will not be granted if credit already received for: BIE 1301 or WHRE 1301)

24649 001 LEC, instruction mode: Correspondence; Schill, Jayne Greeney, 2 cr

2811 Societies of the Future: Changing Work Contexts

(A-F only; credit will not be granted if credit already received for: WHRE 2711; meets CLE req of Technology and Society)

10530 001 DIS, 09:45am-11:00am MW, NichH 35, instruction mode: Classroom; Meets with: 22408 OLPD 2811H; Fitzgerald-Sisk, Meg, 3 cr

10531 002 DIS, 02:30pm-03:45pm TTh, BuH 120, instruction mode: Classroom; Fitzgerald-Sisk, Meg, 3 cr

2811H Societies of the Future: Changing Work Contexts, Honors

(A-F; prereq Honors student; meets CLE req of Technology and Society; meets HON req of Honors)

22408 001 DIS, 09:45am-11:00am MW, NichH 35, instruction mode: Classroom; meets concurrently with OLPD 2811 sec. 001; Meets with: 10530 OLPD 2811; Fitzgerald-Sisk, Meg, 3 cr

3202 Introduction to Strategies for Teaching Adults

(A-F only; credit will not be granted if credit already received for: AdEd 3101)

10432 001 LEC, 04:40pm-07:20pm T, WullH 240, instruction mode: Partially Online, 3 cr

10438 002 LEC, 09:45am-11:00am TTh, BuH 125, instruction mode: Partially Online; Park, Rosemarie J, 3 cr

3302 Leadership, You, and Your Community

(Credit will not be granted if credit has been received for: PA 3961; A-F; prereq [1301W or 1302 or PA 1961W or CFAN 1101 or CFAN 3480], grade of at least C; credit will not be granted if credit already received for: EdPA 3302)

10476 001 LEC, 09:45am-11:00am TTh, NichH 145, instruction mode: Classroom; Meets with: 13301 PA 3961, 3 cr

10477 002 LEC, 01:00pm-02:15pm TTh, NichH 335, instruction mode: Classroom; Meets with: 14700 PA 3961, 3 cr

10503 003 LEC, 02:30pm-03:45pm MW, FolH 8, instruction mode: Classroom; Meets with: 21379 PA 3961, 3 cr

23788 004 LEC, 11:15am-12:30pm WF, FolH 5, instruction mode: Classroom; Meets with: 23772 PA 3961, 3 cr

26502 005 LEC, 02:30pm-03:45pm TTh, FolH 8, instruction mode: Classroom; Meets with: 26503 PA 3961, 3 cr

3305 Learning About Leadership Through Film and Literature

(credit will not be granted if credit already received for: EdPA 3305)

10494 001 LEC, 04:40pm-07:20pm M, PeikH 215, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Seashore, Karen Rose, 3 cr

3306 Leadership Minor: Field Experience

(Credit will not be granted if credit has been received for: PA 3971; A-F; prereq 3302 with grade of at least C; credit will not be granted if credit already received for: EdPA 3402)

23366 001 FWK, 09:45am-11:00am TTh, NichH 355, instruction mode: Classroom; Students must apply to get a permission number for this section, contact instructor for more information.

23367 002 FWK, 04:00pm-05:15pm MW, HHHctr 30, instruction mode: Classroom; Students must apply to get a permission number for this section, contact instructor for more information. THEME: Intercultural Leadership

23368 003 FWK, 11:15am-12:30pm TTh, CarlSMgmt 1-149, instruction mode: Classroom; Students must apply to get a permission number for this section, contact instructor for more information. THEME: Leadership in Social Enterprise. Note: Students are required to attend a retreat.; Meets with: 23374 PA 3971, 3 cr

27406 004 FWK, 09:45am-11:00am MW, . ROOM-TBA, instruction mode: Classroom; Meets with: 27407 PA 3971, 3 cr

3318 Introduction to Project Management

(credit will not be granted if credit already received for: EdPA 3218)

10502 001 DIS, 09:45am-11:00am TTh, PeikH 28, instruction mode: Classroom; 60 seats reserved for BME major, ugrad; Fitzgerald-Sisk, Meg, 3 cr

23510 002 DIS, 02:30pm-03:45pm MW, EltH N119, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 1 seat reserved for Integrated Degree Program B S; Fitzgerald-Sisk, Meg, 3 cr

3380 Developing Intercultural Competence (A-F only)

22772 001 DIS, 11:15am-12:30pm MW, PeikH 165, instruction mode: Partially Online; Brunner PhD, C, 3 cr

3401 Teaching Marketing Promotion

(A-F only; [added to PS note field, course notes sequence nbr 3:] credit will not be granted if credit already received for: BIE 3001, 5001)

10441 001 LEC, 02:30pm-03:45pm MW, BuH 125, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 1 seat reserved for Integrated Degree Program B S; Plachecki, Frank John, 3 cr

10442 002 LEC, 04:40pm-07:20pm T, PeikH 215, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 1 seat reserved for Integrated Degree Program B S; Plachecki, Frank John, 3 cr

23455 003 LEC, 09:45am-11:00am TTh, ScottH 4, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 1 seat reserved for Integrated Degree Program B S; Plachecki, Frank John, 3 cr

23455 003 LEC, 09:45am-11:00am TTh, ScottH 4, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 1 seat reserved for Integrated Degree Program B S; Plachecki, Frank John, 3 cr

3424 Sales Training

(A-F only; credit will not be granted if credit already received for: BIE 3624 or HRD 5624)

10443 001 LEC, 11:15am-12:30pm MW, BuH 125, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 1 seat reserved for Integrated Degree Program B S; Gaddey Jr, Roy Arthur, 3 cr

10444 002 LEC, 04:40pm-07:20pm W, PeikH 225, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 1 seat reserved for Integrated Degree Program B S; Gaddey Jr, Roy Arthur, 3 cr

22348 003 LEC, 01:00pm-02:15pm TTh, BuH 125, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 1 seat reserved for Integrated Degree Program B S; Gaddey Jr, Roy Arthur, 3 cr

3493 Directed Study in Business & Marketing Education

(max crs 4; 4 repeats allowed; prereq BME major, instr consent)

26764 001 IND, instruction mode: Independent/Directed Studies; Shelley, Laura Catherine, 1-4 cr

3496 Profession and Practice of Business and Marketing Education

(A-F only; prereq Undergrad student, BME major, OLPD 3318, OLPD 3401, OLPD 3424, and OLPD 4426 completed or in progress.; credit will not be granted if credit already received for: BIE 3196)

23566 001 DIS, 09:05am-11:00am W, PeikH 28, instruction mode: Classroom, 2 cr

3601 Introduction to Human Resource Development

(A-F only; credit will not be granted if credit already received for: HRD 3001)

10514 001 LEC, 09:45am-11:00am TTh, STSS 114, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Quast, Louis Neumann, 3 cr

3620 Introduction to Training and Development

(A-F only; credit will not be granted if credit already received for: HRD 3201)

10515 001 LEC, 04:40pm-07:20pm W, ApH 11, instruction mode: Classroom; 35 seats reserved for HRD ugrad students; Novillo, Walter E., 3 cr

10519 002 LEC, 04:00pm-05:15pm MW, BuH 125, instruction mode: Classroom; 33 seats reserved for HRD ugrad students, 3 cr

3640 Introduction to Organization Development

(A-F only; credit will not be granted if credit already received for: HRD 3301)

10518 001 LEC, 04:40pm-07:20pm M, BuH 123, instruction mode: Classroom; 33 seats reserved for HRD ugrad students, 3 cr

10520 002 LEC, 01:00pm-02:15pm TTh, ScottH 4, instruction mode: Classroom; 40 seats reserved for HRD ugrad students; Plachecki, Frank John, 3 cr

3696 Profession and Practice of Human Resource Development

(A-F only; prereq Undergrad student, HRD major, 3 of following 4 courses need to be completed or in progress: 3202, 3601, 3620, 3640; credit will not be granted if credit already received for: HRD 3196)

10517 001 LEC, 10:10am-12:05pm F, CarlSMgmt 2-215, instruction mode: Classroom, 2 cr

3808 Foundations of Student and Trainee Assessment

(A-F only; credit will not be granted if credit already received for: WHRE 3601)

24652 001 LEC, instruction mode: Correspondence; Wegener, Inger, 2 cr

3829 Foundations of Course Development for Business and Industry

(A-F only; credit will not be granted if credit already received for: WHRE 3629)

24650 001 LEC, instruction mode: Correspondence; Schill, Jayne Greeney, 2 cr

4303W Leadership for Global Citizenship

(A-F; prereq OLPD 3306 or EdPA 3402 or PA 3971; credit will not be granted if credit already received for: EdPA 4303W; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

10475 001 LEC, 02:30pm-03:45pm MW, ApH 226, instruction mode: Classroom; Meets with: 14701 PA 4961W; Asmundson, Aaron R, 3 cr

10485 002 LEC, 11:15am-12:30pm TTh, ApH 226, instruction mode: Classroom; Meets with: 22843 PA 4961W; Werner, Linnette, 3 cr

23789 003 LEC, 06:30pm-09:00pm M, FolH 112, 09/21/15-09/21/15, 06:30pm-09:00pm M, FolH 105, 10/26/15-10/26/15, 06:30pm-09:00pm M, FolH 105, 10/05/15-10/05/15, 06:30pm-09:00pm M, FolH 105, 12/07/15-12/07/15, instruction mode: Partially Online; This is a blended learning course that delivered primarily online. Students are required to attend 4 face to face classes.; Meets with: 23773 PA 4961W; Nobbe, June Ely, 3 cr

4401 E-Marketing

(A-F only; credit will not be granted if credit already received for: BIE 4001)

10448 001 IND, 04:40pm-07:20pm Th, STSS 131B, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Novillo, Walter E., 3 cr

4420 Practicum in Nonprofit Organizations

(max crs 4; A-F only; prereq BME major recommended; credit will not be granted if credit already received for: BIE 4420)

27400 001 IND, instruction mode: Classroom; Novillo, Walter E., 2 cr

4426 Strategic Customer Relationship Management

(A-F only; credit will not be granted if credit already received for: BIE 4626/HRD 5626)

10445 001 LEC, 01:00pm-02:15pm TTh, BlegH 235, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 60 seats reserved for BME major, ugrd, 3 cr

10446 002 LEC, 01:00pm-02:15pm MW, BuH 125, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 35 seats reserved for BME major, ugrd; Novillo, Walter E., 3 cr

23511 003 LEC, 04:00pm-05:15pm TTh, BuH 125, instruction mode: Classroom; Course reserved for admitted BME majors until 05/02/2014. After this date non-majors may register for this course.; 35 seats reserved for BME major, ugrd, 3 cr

4496 Applied Experience in Business & Marketing Education

(max crs 4; 4 repeats allowed; S-N; prereq BME major, ugrd, [3496 or Concurrent registration is required (or allowed) in 3496]; credit will not be granted if credit already received for: BIE 4196/BIE 5597)

10447 001 FWK, instruction mode: Independent/Directed Studies; For permission numbers, please email ugolpd@umn.edu, 1-4 cr

4696 Internship: Human Resource Development

(max crs 4; 4 repeats allowed; S-N; prereq Undergrad student, HRD major, [Concurrent registration is required (or allowed) in 3696 or completed]; credit will not be granted if credit already received for: HRD 3196)

10522 001 FWK, instruction mode: Independent/Directed Studies; For permission numbers, please email ugolpd@umn.edu; 1 seat reserved for Integrated Degree Program B S, 1-4 cr

4870 Introduction to Integrating Human Rights into Organizational Leadership (A-F only)

24428 001 DIS, instruction mode: Correspondence; Course reserved for admitted BME majors until 05/02/2014.

After this date non-majors may register for this course.; Rudelius-Palmer, Kristi Lynn; Jordan, Natela, 3 cr

5000 Cultures, Schools, and Communities (Human Relations)

(A-F; prereq Enrolled in teacher initial licensure program)

23826 1001 DIS, 04:40pm-06:40pm W, Peikh 25, 08/07/15-06/15/16, instruction mode: Classroom; EDHD 5000 is taught in three sequences. Candidates must enroll in EDHD 5000 and EDHD 5010 in the Fall and EDHD 5020 in the Spring.; Chachage, Kristeen Beth Oberlander, 1 cr

23840 1002 DIS, 04:40pm-06:40pm W, Peikh 48, 08/07/15-06/15/16, instruction mode: Classroom; EDHD 5000 is taught in three sequences. Candidates must enroll in EDHD 5000 and EDHD 5010 in the Fall and EDHD 5020 in the Spring.; Clements, Colleen, 1 cr

23841 1003 DIS, 04:40pm-06:40pm W, Peikh 31, 08/07/15-06/15/16, instruction mode: Classroom; EDHD 5000 is taught in three sequences. Candidates must enroll in EDHD 5000 and EDHD 5010 in the Fall and EDHD 5020 in the Spring.; Kennedy, Douglas P, 1 cr

23842 1004 DIS, 04:40pm-06:40pm W, . ROOM-TBA, 08/07/15-06/15/16, instruction mode: Classroom; EDHD 5000 is taught in three sequences. Candidates must enroll in EDHD 5000 and EDHD 5010 in the Fall and EDHD 5020 in the Spring.; Jimenez, Justin P, 1 cr

23843 1005 DIS, 04:40pm-06:40pm W, . ROOM-TBA, 08/07/15-06/15/16, instruction mode: Classroom; EDHD 5000 is taught in three sequences. Candidates must enroll in EDHD 5000 and EDHD 5010 in the Fall and EDHD 5020 in the Spring.; Kaipera, Anna Katherine, 1 cr

23844 1006 DIS, 04:40pm-06:40pm W, . ROOM-TBA, 08/07/15-06/15/16, instruction mode: Classroom; EDHD 5000 is taught in three sequences. Candidates must enroll in EDHD 5000 and EDHD 5010 in the Fall and EDHD 5020 in the Spring.; Willemssen, Laura Lee Wangsness, 1 cr

23845 1007 DIS, 04:40pm-06:40pm W, . ROOM-TBA, 08/07/15-06/15/16, instruction mode: Classroom; EDHD 5000 is taught in three sequences. Candidates must enroll in EDHD 5000 and EDHD 5010 in the Fall and EDHD 5020 in the Spring.; Kemper, Sara W, 1 cr

012 LEC, 09:00am-01:00pm W, . ROOM-TBA, 08/07/15-06/15/16, instruction mode: Classroom; EDHD 5000 is taught in three sequences. Candidates must enroll in EDHD 5000 and EDHD 5010 in the Fall and EDHD 5020 in the Spring. Great Lesson will be held in Coffman Theater 9/17/2014.; Demerath, Peter; Goh PhD, Michael P.

5005 School and Society

(A-F only; prereq Jr or sr or MEd/initial licensure student or CLA music ed major or preteaching major or instr consent)

25648 001 LEC, 08:30am-11:30am M, . NONSTD-TBA, instruction mode: Classroom; Ag, music, special education, and SLC alternative initial licensure candidates have priority scheduling for this course. Elementary candidates must seek permission; Tobin, Jessica I, 2 cr

5009 Human Relations: Applied Skills for School and Society

(A-F only; prereq MEd/init lic or CLA music ed or preteaching or instr consent)

10841 1001 LEC, 04:40pm-07:20pm W, BuH 120, 09/08/15-10/26/15, instruction mode: Classroom; Special education, Early Childhood Education, and SLC alternative initial licensure candidates have priority scheduling for this course. Elementary candidates must seek permission; Kennedy, Douglas P, 1 cr

5010 Cultures, Schools, and Communities (Human Relations)

(A-F; prereq Enrolled in initial licensure program)

22528 1001 DIS, 04:40pm-06:40pm W, . ROOM-TBA, 08/07/15-06/15/16, instruction mode: Classroom; Credit will not be granted if credit has been received for both EDHD 5005 and EDHD 5009; Consult with your adviser. Must also be enrolled in EDHD 5000.; Chachage, Kristeen Beth Oberlander, 2 cr

22532 1002 DIS, 04:40pm-06:40pm W, Peikh 48, instruction mode: Classroom; Must also be enrolled in EDHD 5000.; Clements, Colleen, 2 cr

22533 1003 DIS, 06:40pm-08:40pm W, Peikh 31, instruction mode: Classroom; Must also be enrolled in EDHD 5000.; Kennedy, Douglas P, 2 cr

22534 1004 DIS, 04:40pm-06:40pm W, MagrathLib 4, instruction mode: Classroom; Must also be enrolled in EDHD 5000.; Jimenez, Justin P, 2 cr

22535 1005 DIS, 04:40pm-06:40pm W, MagrathLib 6, instruction mode: Classroom; Must also be enrolled in EDHD 5000., 2 cr

22536 1006 DIS, 04:40pm-06:40pm W, Peikh 335, instruction mode: Classroom; Must also be enrolled in EDHD 5000.; Willemssen, Laura Lee Wangsness, 2 cr

22537 1007 DIS, 04:40pm-06:40pm W, ApH 223, instruction mode: Classroom; Must also be enrolled in EDHD 5000.; Kemper, Sara W, 2 cr

012 LEC, 09:00am-01:00pm W, . ROOM-TBA, instruction mode: Classroom; Must also be enrolled in EDHD 5000.

5041 Sociology of Education

(Credit will not be granted if credit has been received for: SOC 5455; credit will not be granted if credit already received for: EdPA 5041)

24892 1001 LEC, 04:40pm-07:20pm W, STSS 131A, instruction mode: Classroom; Meets with: 26713 SOC 5455; Seashore, Karen Rose; Barajas, Heidi Lasley, 1 cr

5048 Cross-Cultural Perspectives on Leadership

(credit will not be granted if credit already received for: EdPA 5048)

10468 1001 LEC, 04:40pm-07:20pm Th, STSS 420B, instruction mode: Classroom; Quast, Louis Neumann; Fry, Gerald Walton, 3 cr

5056 Case Studies for Policy Research

(A-F only; credit will not be granted if credit already received for: EdPA 5056)

10471 1001 LEC, 04:40pm-07:20pm T, BuH 123, instruction mode: Classroom; 10 seats reserved for Development Practice M D P; Fry, Gerald Walton, 3 cr

5080 Special Topics: Organizational Leadership, Policy, & Development

(max crs 24; 24 repeats allowed)

26851 008 LEC, instruction mode: Classroom; Schefers, Oscar Carmody, 1-3 cr

5087 MA Research Seminar

(max crs 24; 24 repeats allowed; S-N)

10492 1002 LEC, 04:40pm-07:20pm W, FolH 118, instruction mode: Classroom; Eschenbacher, Heidi, 1-3 cr

5095 Problems: Organizational Leadership, Policy, and Development

(max crs 24; 24 repeats allowed; credit will not be granted if credit already received for: EdPA 5095)

10489 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr

10491 030 IND, instruction mode: Independent/Directed Studies; Certificate in Disability Policy and Services; Johnson PhD, David Richard, 1-3 cr

5096 Internship: Organizational Leadership, Policy, and Development

(max crs 24; 24 repeats allowed; credit will not be granted if credit already received for: EdPA 5096)

10459 001 FWK, instruction mode: Independent/Directed Studies; Internship/EdPA; Asmussen, John G, 1-9 cr

5103 Comparative Education

(credit will not be granted if credit already received for: EdPA 5103)

10449 1001 LEC, 04:40pm-07:20pm W, WullH 220, instruction mode: Classroom; Shirazi, Roozbeh, 3 cr

5104 Strategies for International Development of Education Systems

(A-F only; prereq Grad student; credit will not be granted if credit already received for: EdPA 5104)

10487 1001 LEC, 04:40pm-07:20pm M, Peikh 315, instruction mode: Classroom; Johnstone, Christopher J, 3 cr

5107 Gender, Education, and International Development

(A-F only)

24116 1001 LEC, 04:40pm-07:20pm Th, Peikh 335, instruction mode: Classroom, 3 cr

5124 Critical Issues in International Education and Educational Exchange

(credit will not be granted if credit already received for: EdPA 5124)

31442 1001 LEC, 04:40pm-07:20pm T, Peikh 375, instruction mode: Classroom; D'Angelo, Anne Marie, 3 cr

5132 Intercultural Education and Training: Theory and Application

(credit will not be granted if credit already received for: EdPA 5132)

22270 1001 LEC, 04:40pm-07:20pm M, Peikh 225, instruction mode: Classroom; Goh PhD, Michael P., 3 cr

5201 Strategies for Teaching Adults

(A-F only; prereq Grad student only; credit will not be granted if credit already received for: AdEd 5101)

10429 1001 LEC, 04:40pm-07:20pm M, ApH 226, instruction mode: Classroom; Graduate Students Only; Park, Rosemarie J, 3 cr

5202 Perspectives of Adult Learning and Development

(credit will not be granted if credit already received for: AdEd 5102)

10430 1001 LEC, 05:00pm-07:40pm T, MagrathLib 6, STPAUL, instruction mode: Classroom; Twohig, Catherine Carol, 3 cr

5211 Introduction to the Undereducated Adult

(A-F only; credit will not be granted if credit received for: ADED 5211, 5202)

10433 001 LEC, instruction mode: Correspondence; instructor consent; Digby PhD, Cynthia LB, 1 cr

5212 Introduction to Adult Literacy in the Workplace

(A-F only; prereq 5211 or ADED 5211; credit will not be granted if credit received for: ADED 5201, 5212)

10434 001 LEC, instruction mode: Correspondence; instructor consent; Mortrude, Judy Ann, 1 cr

5213 Introduction to Adult Literacy in the Community

(A-F only; prereq 5211 or ADED 5211; credit will not be granted if credit received for: ADED 5201, 5213)

10435 001 LEC, instruction mode: Correspondence; instructor consent; Keo, Phalla, 1 cr

5296 Field Experience in Adult Education

(max crs 6; 6 repeats allowed; S-N only; credit will not be granted if credit already received for: AdEd 5196)

10431 001 FWK, instruction mode: Independent/Directed Studies; Park, Rosemarie J; Quast, Louis Neumann; Twohig, Catherine Carol, 1-6 cr

5321 The Principal as Leader of High-Performing Schools

(credit will not be granted if credit already received for: EdPA 5321)

23432 !001 LEC, 04:40pm-08:40pm M, FolH 6, 09/14/15-11/16/15, instruction mode: Classroom; Massey, Steven Duane, 3 cr

5322 Leaders in the Superintendency and Central Office

(credit will not be granted if credit already received for: EdPA 5322)

26870 !001 LEC, 04:40pm-07:20pm M, STSS 530A, instruction mode: Classroom; Brunner PhD, C, 3 cr

5344 School Law

(credit will not be granted if credit already received for: EdPA 5344)

10473 !001 LEC, 05:00pm-07:50pm Th, PeikH 375, 09/17/15-09/17/15, 05:00pm-07:50pm Th, PeikH 375, 10/01/15-10/01/15, 05:00pm-07:50pm Th, PeikH 375, 10/15/15-10/15/15, 05:00pm-07:50pm Th, PeikH 375, 10/29/15-10/29/15, 05:00pm-07:50pm Th, PeikH 375, 11/12/15-11/12/15, instruction mode: Partially Online; Forbes, Paula Gail, 3 cr

5346 Politics of Education

(A-F only; prereq postbac, MED, or grad student; credit will not be granted if credit already received for: EdPA 5346)

10464 !001 LEC, 04:40pm-07:20pm Th, ApH 223, instruction mode: Partially Online; Alexander, Nicola, 3 cr

5361 Project in Teacher Leadership

(Credit will not be granted if credit has been received for: CI 5178; OPN; prereq MED student in Teacher Leadership Program; credit will not be granted if credit already received for: EdPA 5361)

10465 001 IND, 08/07/15-06/15/16, instruction mode: Independent/Directed Studies; M.Ed. Students only

5374 Leadership for Professional Development

(prereq Postbaccalaureate, at least 3 yrs teaching experience; credit will not be granted if credit already received for: EdPA 5374)

10472 001 LEC, 04:40pm-09:05pm W, STSS 512B, 09/16/15-09/16/15, 08:30am-03:00pm S, STSS 512B, 10/17/15-10/17/15, 04:40pm-09:05pm W, STSS 512B, 11/11/15-11/11/15, 08:30am-03:00pm S, STSS 512B, 12/05/15-12/05/15, instruction mode: Classroom; Allen, Becky; Schmidt, Chad W, 4 cr

5385 Licensure Seminar: Program Policies and Inclusionary Leadership

(S-N only; credit will not be granted if credit already received for: EdPA 5385)

10466 !001 LEC, 04:40pm-09:10pm W, ApH 226, 09/23/15-09/23/15, 04:40pm-09:10pm W, ApH 226, 10/07/15-10/07/15, 04:40pm-09:10pm W, ApH 226, 10/28/15-10/28/15, instruction mode: Classroom; Taipale, Lyle Eugene, 1 cr

5386 Leadership Portfolio Seminar

(S-N only; prereq 5385 or Concurrent registration is required (or allowed) in 5385 or EdPA 5385; credit will not be granted if credit already received for: EdPA 5386)

10467 !001 LEC, 04:40pm-09:10pm T, STSS 420B, 09/29/15-09/29/15, 04:40pm-09:10pm T, STSS 420B, 10/13/15-10/13/15, 04:40pm-09:10pm T, STSS 420B, 11/03/15-11/03/15, instruction mode: Classroom; Class 10/14 is online. Students are required to bring a laptop computer to class.; Latimer, Sally, 1 cr

5388 Leadership for Master(ful) Scheduling

(credit will not be granted if credit already received for: EdPA 5388)

23568 001 LEC, 08:30am-04:00pm S, . NORMREQD, OFFCAMPUS, 09/12/15-09/12/15, 08:30am-04:00pm S, . NORMREQD, OFFCAMPUS, 09/15/09-19/15, 08:30am-04:00pm S, . NORMREQD, OFFCAMPUS, 10/03/15-10/03/15, 08:30am-04:00pm S, . NORMREQD, OFFCAMPUS, 10/10/15-10/10/15, instruction mode: Classroom; Class meets at Eastview High School, 6200 140th St W, Apple Valley; Dewey PhD, J. Richard, 2 cr

5391 Special Education Law for Leaders

(prereq Designed for students working on licensure in PK-12 administration; credit will not be granted if credit already received for: EdPA 5391)

10470 !001 LEC, 05:00pm-08:25pm Th, FolH 119, 09/24/15-09/24/15, 05:00pm-08:25pm Th, FolH 119, 10/08/15-10/08/15, 05:00pm-08:25pm Th, FolH 119, 10/22/15-10/22/15

15, 05:00pm-08:25pm Th, FolH 119, 11/05/15-11/05/15, instruction mode: Classroom; Law, David W, 1 cr

5396 Field Experience in PK-12**Administration: Authentic Practice in Leadership**

(max crs 12; 4 repeats allowed; S-N only; prereq instr consent; credit will not be granted if credit already received for: EdPA 5396)

10455 !001 FWK, 04:40pm-09:10pm T, ApH 103, 09/15/15-09/15/15, 04:40pm-09:10pm T, ApH 303, 10/06/15-10/06/15, 04:40pm-09:10pm T, ApH 303, 11/17/15-11/17/15, 04:40pm-09:10pm T, ApH 303, 10/27/15-10/27/15, instruction mode: Classroom; 3 cr max per licensure area. 12 cr max total.; Sceaux, Lynn R; Prest, Gary Stephen, 3 cr

5501 Principles and Methods of Evaluation

(Credit will not be granted if credit has been received for: EPSY 5243; credit will not be granted if credit already received for: EdPA 5501)

10452 001 LEC, 09:45am-11:00am TTh, PeikH 225, instruction mode: Classroom; Open to Juniors, Seniors and Graduate students.; Meets with: 15538 EPSY 5243, 3 cr 10474 002 LEC, instruction mode: Correspondence; Graduate students only. online; Meets with: 15539 EPSY 5243; Yeh, Stuart S, 3 cr

5502 Theory and Models of Evaluation

(prereq [5501/Epsy 5243] or PA 5311 or PubH 6034 or another introductory evaluation course approved by instructor.)

22832 !001 LEC, 04:40pm-07:20pm M, PeikH 165, instruction mode: Classroom, 3 cr

5521 Cost and Economic Analysis in Educational Evaluation

(credit will not be granted if credit already received for: EdPA 5521)

10454 !001 LEC, 04:40pm-07:20pm M, WullH 220, instruction mode: Partially Online; Yeh, Stuart S, 3 cr

5601 Foundations of Human Resource Development

10511 001 LEC, instruction mode: Correspondence, 1 cr

5607 Organization Development

(A-F only; prereq Grad student only)

10510 !001 LEC, 04:40pm-07:10pm T, ApH 3, instruction mode: Classroom; Christesen, David Allen, 3 cr

5611 Facilitation and Meeting Skills

10509 001 DIS, 08:00am-03:00pm S, STSS 512A, 09/08/15-10/26/15, instruction mode: Classroom, 1 cr

5619 Planning and Decision-Making Skills

10521 001 DIS, 08:00am-03:00pm S, STSS 530A, instruction mode: Classroom, 1 cr

5670 Special Topics in Human Resource Development

(max crs 24; 24 repeats allowed)

31485 001 LEC, instruction mode: Classroom, 1-3 cr

5696 Internship: Human Resource Development

(max crs 10; S-N only; prereq [[3901 or HRD 3601, [3696 or HRD 3196], [3620 or 3640 or HRD 3201 or HRD 3301], [3202 or ADED 3101], undergrad] or [[5607 or 5615 or HRD 5201 or HRD 5301], [5801 or WHRE 5001], grad student]], instr consent)

10513 001 FWK, instruction mode: Independent/Directed Studies; Grad Students Only; Christesen, David Allen, 1-10 cr

5701 U.S. Higher Education

(credit will not be granted if credit already received for: EdPA 5701)

10451 !001 LEC, 04:40pm-07:20pm W, PeikH 375, instruction mode: Classroom; Miksch, Karen L, 3 cr

5704 College Students Today

(Credit will not be granted if credit has been received for: EPSY 5451; credit will not be granted if credit already received for: EdPA 5704)

24889 !001 DIS, 04:40pm-07:20pm T, ApH 223, instruction mode: Classroom; Gupton, Jarrett Temple, 3 cr

5721 Race and Ethnicity in Higher Education

(credit will not be granted if credit already received for: EdPA 5721)

10497 !001 LEC, 04:40pm-07:20pm Th, PeikH 165, instruction mode: Classroom; Gupton, Jarrett Temple, 3 cr

5736 Public Engagement and Higher Education

(A-F)

31453 !001 DIS, 04:40pm-07:20pm T, PeikH 165, instruction mode: Classroom, 3 cr

5795 Plan B Research Design

(max crs 6; A-F only; prereq Grad student; credit will not be granted if credit already received for: EdPA 5795)

10490 001 LEC, instruction mode: Independent/Directed Studies, 3 cr

5801 Survey: Human Resource Development and Adult Education

(prereq Grad student only)

22366 !001 LEC, 05:00pm-07:40pm W, McNH 146, STPAUL, instruction mode: Classroom; Twohig, Catherine Carol, 3 cr

5808 Student and Trainee Assessment

(Credit will not be granted if credit has been received for: HRD 5601; A-F only; credit will not be granted if credit received for: BIE 5601 or WHRE 5601)

24653 001 LEC, instruction mode: Correspondence; Wegener, Inger, 2 cr

5816 Distance Learning in Adult Education and Training

(A-F only)

10524 001 LEC, instruction mode: Correspondence, 3 cr

5819 Evaluating and Using Research in Organizations and Education

(A-F only; prereq Grad student; credit will not be granted if credit already received for: WHRE 5901)

10532 !001 LEC, 04:40pm-07:20pm T, WullH 220, instruction mode: Classroom; Peterson, Shari L, 3 cr

5823 Work-Based Learning Policies

24654 001 LEC, instruction mode: Correspondence; Brown, James Marce, 2 cr

5829 Course Development for Business and Industry

(A-F only)

24651 001 LEC, instruction mode: Correspondence, 2 cr

5893 Directed Study in OLPD

(max crs 4; 4 repeats allowed)

10523 001 IND, instruction mode: Independent/Directed Studies; Quast, Louis Neumann; Peterson, Shari L; Ardichvili, Alexandre A; Twohig, Catherine Carol; Park, Rosemarie J, 1-4 cr

6402 Integrative Leadership Seminar

(Credit will not be granted if credit has been received for: MGMT 6402, PA 5105; A-F only)

24136 !001 IND, 06:00pm-08:45pm T, CarlSMgmt L-114, instruction mode: Classroom; This course is run concurrently with registration in this designator and MGMT 6402, PA 5105, and PubH 6702. If this course shows as full, please check for space under the other three designators; there may be seats available. If all designators show as full, please contact Merrie Benasutti at the Center for Integrative Leadership (624-8300) for a permission number. She will have permission numbers for all four designators. All designators must be filled before any override permission numbers are issued.; Meets with: 26760 LAW 6623, 24313 MGMT 6402, 23883 PA 5105, 24175 PUBH 6702; Laird, Vanessa Ann; Quast, Louis Neumann, 3 cr

6490 Managing Civic Engagement

31486 001 DIS, instruction mode: Classroom; Gupton, Jarrett Temple, 3 cr

8002 Critical Issues in Contemporary Education

(prereq EdD or PhD student; credit will not be granted if credit already received for: EdPA 8002)

23122 071 LEC, instruction mode: Correspondence; LIIE PHD COHORT ONLY; Magnusson PhD, Deanne L., 3 cr

8011 Doctoral Research Seminar I

(S-N only; prereq EdPA or WHRE doctoral student; credit will not be granted if credit already received for: EdPA 8011)

10450 001 LEC, 01:00pm-04:00pm F, PeikH 375, 09/25/15-09/25/15, 01:00pm-04:00pm F, PeikH 375, 10/16/15-10/16/15, 01:00pm-04:00pm F, PeikH 375, 11/06/15-11/06/15

15, 01:00pm-04:00pm F, Peikh 375, 12/04/15-12/04/15, instruction mode: Classroom; Ropers-Huilman, Rebecca, 1 cr

8012 Doctoral Research Seminar II

(S-N only; prereq EdPA doctoral student; credit will not be granted if credit already received for: EdPA 8012)
10493 061 LEC, instruction mode: Correspondence; LIIE PHD COHORT ONLY; Magnusson PhD, Deanne L., 1 cr

8022 Education and Globalization:

Anthropological Perspectives
(A-F only; credit will not be granted if credit already received for: EdPA 8022)
24893 001 LEC, 01:00pm-03:40pm Th, . NONSTD-TBA, instruction mode: Classroom; Shirazi, Roozbeh, 3 cr

8087 Seminar: Organizational Leadership, Policy, and Development

(max crs 24; 24 repeats allowed; credit will not be granted if credit already received for: EdPA 8087)
10456 001 LEC, 09:00am-11:30am T, . NONSTD-TBA, instruction mode: Classroom; MUST HAVE INSTRUCTOR CONSENT

8095 Problems: Organizational Leadership, Policy, and Development

(max crs 24; 24 repeats allowed; credit will not be granted if credit already received for: EdPA 8095)
10458 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr
23028 002 IND, 10:30am-12:30pm T, . ROOM-TBA, 08/07/15-06/15/16, instruction mode: Classroom; Goh PhD, Michael P.; Demerath, Peter, 1-3 cr

8096 Internship: Organizational Leadership, Policy, and Development

(max crs 24; 24 repeats allowed; credit will not be granted if credit already received for: EdPA 8096)
10457 001 FWK, instruction mode: Classroom, 1-9 cr

8101 International Education and Development

(A-F only; prereq Doctoral student or instr consent; credit will not be granted if credit already received for: EdPA 8101)
31450 001 LEC, 01:00pm-03:40pm T, . NONSTD-TBA, instruction mode: Classroom, 3 cr

8121 Doctoral Seminar: Comparative and International Development Education

(max crs 6; 4 repeats allowed; S-N only; prereq EdPA PhD candidate; credit will not be granted if credit already received for: EdPA 8121)
10483 002 LEC, 09:00am-11:00am F, WullH 240, instruction mode: Classroom; CIDE Seminar III; Vavrus, Frances, 1-6 cr
10488 061 LEC, 08/07/15-06/15/16, instruction mode: Correspondence; CIDE SEM III

8302 Educational Policy Perspectives

(credit will not be granted if credit already received for: EdPA 8302)
10496 1001 LEC, 04:40pm-07:20pm T, Peikh 225, instruction mode: Classroom; Alexander, Nicola, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent; credit will not be granted if credit already received for: EdPA 8333)
10461 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent; credit will not be granted if credit already received for: EdPA 8444)
10462 001 IND, instruction mode: Classroom, 1 cr

8596 Evaluation Internship

(max crs 24; 24 repeats allowed; prereq [5501 or EDPA 5501 or EPSY 5243], instr consent)
10453 1001 FWK, 04:30pm-06:00pm Th, Peikh 225, instruction mode: Classroom; To be arranged; Haynes, Melissa, 1-9 cr

8601 Advanced Training and Development of Human Resources

(A-F only; prereq 5615 or HRD 5201)
31487 001 LEC, instruction mode: Classroom; Christesen, David Allen, 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr; credit will not be granted if credit already received for: EdPA 8666)
10463 001 IND, instruction mode: Classroom, 1-6 cr

8703 Public Policy in Higher Education

(A-F only; prereq [5001 or EDPA 5001], [5701 or EDPA 5701]; credit will not be granted if credit already received for: EdPA 8703)
10505 1001 DIS, 04:40pm-07:20pm M, STSS 530B, instruction mode: Classroom; Weerts, David J., 3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only]; credit will not be granted if credit already received for: EdPA 8777)
10469 001 IND, instruction mode: Classroom, 1-18 cr

8812 Quantitative Research in Education

(credit will not be granted if credit already received for: WHRE 8912)
10525 1001 LEC, 04:40pm-07:20pm M, STSS 512B, instruction mode: Classroom; Anderson, Melissa S., 3 cr

8815 Ethics and Responsible Research

(A-F only)
10526 1001 LEC, 04:40pm-07:20pm Th, WullH 220, instruction mode: Classroom; This class will alternate Thursdays with WHRE 8990, 1 cr

8841 Foundations of Organizational Leadership, Policy, and Development

31488 001 LEC, instruction mode: Classroom; Peterson, Shari L., 3 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required; credit will not be granted if credit already received for: EdPA 8888)
10460 001 IND, instruction mode: Classroom, 1-24 cr

8896 Internship

(max crs 10; S-N only)
10533 001 FWK, instruction mode: Classroom, 1-10 cr

ORTHODONTICS (Otho)

15-209 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9982, <http://www.dentistry.umn.edu>

7102 Growth & Development

(max crs 5; A-F only)
13084 001 LEC, 07:00am-09:00am W, MoosT 6-370, instruction mode: Classroom, 0-5 cr

7112 Diagnosis & Treatment Planning

(max crs 5; A-F only; prereq Admission to graduate orthodontic program.)
13085 001 LEC, 08:00am-09:00am T, MoosT 6-374, instruction mode: Classroom; Vayda, Patricia Macchiarul, 0-5 cr
13086 002 LEC, 01:00pm-02:00pm T, MoosT 6-374, instruction mode: Classroom; Vayda, Patricia Macchiarul, 0-5 cr

7202 Clinical Orthodontics

(max crs 5; A-F only; prereq Admission to graduate orthodontic program.)
13083 001 FWK, 09:00am-04:30pm MTWF, Room TBA, TCEASTBANK, instruction mode: Classroom; Langsjoen, Erik Dean, 0-5 cr

8122 Orthodontic Seminar

(max crs 5; A-F only; prereq Orthodontic grad student)
13094 001 LEC, 01:00pm-02:00pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Pliska DDS, MS, Benjamin T., 0-5 cr
13095 002 LEC, 01:00pm-02:00pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Pliska DDS, MS, Benjamin T., 0-5 cr

8132 Topics in Orthodontics

(max crs 5; A-F only; prereq Orthodontic grad student)
13120 001 LEC, instruction mode: Classroom; Ekim, Suzan, 0-5 cr

8142 Research in Orthodontics

(max crs 5; A-F only; prereq Orthodontic grad student)
13121 001 LEC, instruction mode: Classroom; MoosT 6-374; Beyer, John Paul, 0-5 cr

ORTHOPAEDIC SURGERY (OrSu)

2512 S. Seventh St., Suite R200, West Bank Campus, Minneapolis, MN, 55454
612/273-8043, <http://www.ortho.umn.edu>

7180 Orthopaedics I

(max crs 6; HNV)
12547 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Hemphill, Ali, 3-6 cr
12548 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12549 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12550 004 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7185 Orthopaedics II: Externship in Orthopaedic Surgery

(max crs 6; HNV)
12551 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12552 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12553 003 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7186 Research Problems in Orthopaedic Surgery

(max crs 12; HNV)
12554 001 IND, 08/06/15-01/28/16, instruction mode: Classroom, 2-12 cr
12555 002 IND, 08/03/15-12/23/15, instruction mode: Classroom, 2-12 cr
12556 003 IND, 08/06/15-01/28/16, instruction mode: Classroom, 2-12 cr

7188 Externship in Orthopaedic Surgery-CL

(max crs 6; HNV)
12557 001 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
12558 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12559 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12560 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12561 005 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7190 Externship in Orthopaedic Surgery-VA

(max crs 6; HNV)
12562 001 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
12563 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12564 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12565 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12566 005 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
12567 006 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7191 Orthopaedic Externship-HC

(max crs 6; HNV)
12568 001 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
12569 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12570 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12571 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
12572 005 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
12573 006 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7192 Primary Care Orthopaedics-MT

(max crs 6; HNV)
12574 001 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

12575 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
 12576 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
 12577 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
 12578 005 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
 12579 006 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7194 Orthopaedic Externship-MC

(max crs 6; HNV)
 12580 001 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
 12581 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
 12582 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
 12583 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr
 12584 005 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr
 12585 006 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7195 Orthopaedics for the Generalist (HNV)

12586 001 ROT, 08/06/15-01/28/16, instruction mode: Classroom, 4 cr
 12587 002 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 4 cr
 12588 003 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 4 cr
 12589 004 ROT, 08/06/15-01/28/16, instruction mode: Classroom, 4 cr

7200 Orthopaedic Surgical Subspecialty

(max crs 8; P-N only; prereq Med student)
 14970 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr

OTOLARYNGOLOGY (Otol)

8-240 PWB (Mayo Mail Code 396), 516 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-3200, <http://www.med.umn.edu/otol>

5993 Directed Studies

(max crs 24; 4 repeats allowed; prereq instr consent)
 12785 001 IND, instruction mode: Classroom, 1-12 cr
 17428 002 IND, 08/07/15-06/15/16, instruction mode: Classroom, 1-12 cr

8248 Directed Readings in Auditory

Physiology
 (Credit will not be granted if credit has been received for: NSC 8248; max crs 2; prereq instr consent)
 12780 001 IND, instruction mode: Classroom; Anderson, John Harold; Margolis, Robert H; Lin, Jizhen; Santi, Peter A; Juhn, Steven Sung-Kyun, 1-2 cr

8249 Current Topics in Cochlear Anatomy

(prereq instr consent)
 13863 001 LEC, instruction mode: Classroom; Santi, Peter A, 1 cr

8250 Advanced Biochemistry of the Auditory System

(prereq MdBc 6100, MdBc 6101 or equiv or instr consent)
 12781 001 LEC, instruction mode: Classroom; Juhn, Steven Sung-Kyun, 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
 13999 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
 14135 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14250 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
 14333 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
 15270 001 IND, instruction mode: Classroom, 1-24 cr

PATHOLOGY (Path)

D-242 Mayo (Box 609), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-9171, <http://pathology.umn.edu>

7865 Departmental Seminar

(max crs 2; HNV)
 14666 001 LEC, instruction mode: Classroom, 1 cr

PEDIATRIC DENTISTRY (PDen)

6-150 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/624-1985, <http://www.dentistry.umn.edu>

7000 Directed Research in Pediatric Dentistry

(S-N only)
 19497 001 IND, instruction mode: Classroom; Jones, Robert S; Karp, Jeff, 1 cr

7020 Introduction to Pediatric Hospital

Dentistry
 (max crs 2; A-F)
 24704 001 FWK, instruction mode: Classroom, 0-2 cr

7030 Sedation in Pediatric Dental Practice

(max crs 2; A-F)
 24703 001 LEC, instruction mode: Classroom, 0-2 cr

7040 Primer in Pediatric Medicine

(max crs 2; A-F)
 24702 001 LEC, instruction mode: Classroom; Karp, Jeff, 0-2 cr

7100 Advanced Clinical Pediatric Dentistry

(max crs 36; 6 repeats allowed; S-N only)
 19490 001 FWK, instruction mode: Classroom; Karp, Jeff, 1-6 cr

8010 Pediatric Dentistry Diagnosis and Treatment Planning

(max crs 5; 5 repeats allowed; S-N)
 19491 001 LEC, instruction mode: Classroom; Karp, Jeff, 1 cr

8031 Independent Study in Pediatric Dentistry

(S-N)
 19498 001 DIS, instruction mode: Classroom; Karp, Jeff, 2 cr

8100 Hospital Pediatric Dentistry

(S-N only)
 19492 001 FWK, instruction mode: Classroom; Karp, Jeff, 1 cr

8110 Pediatric Dentistry Outreach Experiences

(max crs 3; 3 repeats allowed; S-N only)
 19489 001 FWK, instruction mode: Classroom; Karp, Jeff, 1 cr

PEDIATRICS (Ped)

13-118 PWB (Box 391 UMHC), 516 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
 612/624-3113, <http://www.peds.umn.edu>

7091 Independent Study in the Neural Basis of Anger, Tantrums, and Aggression

(A-F; prereq instr consent)

20051 001 IND, instruction mode: Independent/Directed Studies; Potegal, Michael, 2 cr

7501 Pediatric Externship (HNV)

13617 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Nixon, James, 6 cr

7512 Pediatric Acting Internship

(max crs 6; HNV; prereq 7501)
 13618 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7531 Psychology Internship

(NGA; prereq psych grad)
 13702 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom; Robiner PhD, William N, 12 cr

7533 Clinical Allergy at Fairview-University Medical Center

(max crs 6; HNV)
 14973 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7534 Pediatric Cardiology at Fairview-University Medical Center

(max crs 6; HNV)
 13619 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7535 Pediatric Infectious Diseases

(max crs 6; HNV; prereq one ped rotation)
 13620 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 4-6 cr

7536 Pediatric Hematology/Oncology/Bone Marrow Transplantation

(max crs 6; HNV; prereq 7501, 7512, or Med 7500.)
 13621 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7537 Pediatric Endocrinology and Metabolism

(max crs 6; HNV; prereq 7501, 7512, or Med 7500)
 13622 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7538 Pediatric Gastroenterology and Nutrition

(max crs 6; HNV)
 13623 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7539 Neonatal Medicine Externship

(max crs 6; HNV; prereq 7501, 7512, or Med 5700)
 13624 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7540 Pediatric Neurology (HNV)

18749 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Gray, Emily L, 4 cr

7543 Pediatric Nephrology at Fairview-University Medical Center

(max crs 6; HNV)
 14974 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7544 Pulmonary Disease in Pediatrics

(max crs 12; HNV)
 13625 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 4-12 cr

7548 Clinical Genetics

(max crs 6; HNV)
 13626 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7553 Adolescent Medicine

(max crs 6; HNV; prereq enrolled yr 4 med)
 13627 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7556 Pediatric Clerkship - Marshfield, WI

(HNV; prereq 7501, enrolled yr 4 med)
 15345 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 4 cr

7559 Pediatric Clinical Care Medicine

(max crs 4; HNV; prereq 7501 and/or 7512.)
 13628 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-4 cr

7560 Research/Special Problems in Pediatrics

(max crs 15; HNV; prereq InMd 6104)
14975 001 IND, 08/03/15-12/23/15, instruction mode:
Classroom, 1-15 cr

7583 Fundamentals of Clinical Oncology

(HNV; prereq Med 7500 or 7501)
13629 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 4 cr

7700 Primary Care Clinics: Pediatrics (P-N)

19906 001 ROT, 09:00am-10:30am M, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, 08:30am-01:15pm
F, Room TBA, TCEASTBANK, 08/06/15-01/28/16,
09:00am-10:30am M, Room TBA, TCEASTBANK,
08/06/15-01/28/16, 08:30am-01:15pm F, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, 09:00am-10:30am
M, Room TBA, TCEASTBANK, 08/06/15-01/28/16,
08:30am-01:30pm F, Room TBA, TCEASTBANK, 08/
06/15-01/28/16, 09:00am-10:30am M, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, 08:30am-01:30pm
F, Room TBA, TCEASTBANK, 08/06/15-01/28/16,
09:00am-10:30am M, Room TBA, TCEASTBANK,
08/06/15-01/28/16, 08:30am-01:30pm F, Room TBA,
TCEASTBANK, 08/06/15-01/28/16, instruction mode:
Classroom; Meets with: 20042 FMCH 7700, 19904 MED
7700, 19905 MED 7701; Kim, Michael Hyoung-son;
Berryman, Sally H; Pacala, James T; Hans, Danielle
Ginette; Cao, H. Peter, 4 cr

PERFORMANCE OF VETERINARY SERVICES (PVS)**5991 Animal Health and Food System Policy and U.S. State government**

(max crs 2; S-N)
23247 001 DIS, instruction mode: Correspondence; Hueston
DVM, Will; Hugoson, Gene; Farnham, Mac, 1 cr

5996 Professional Communications: Policy Issue Briefs

(max crs 2; S-N only; prereq Students must have a
professional or graduate degree related to human,
animal, or ecosystem health or be pursuing a graduate
degree (MS/PhD) or professional masters (MPH/MPA)
or instr consent)

26734 001 DIS, 12:30pm-02:30pm F, AnSciVim 385J,
STPAUL, instruction mode: Classroom; This course meets
every other Friday starting on September 11th. It also
alternates weeks with VMED5921, so student could take
both courses the same term. Contact Lisa Hubinger at
hubin006@umn.edu for permission number.; Hueston
DVM, Will; Myhre Errecaborde, Kaylee Marie, 1 cr

5997 Farm to Table Study Program

(prereq instr consent)
23944 001 DIS, instruction mode: Classroom; The travel
component of this class is 11/2-7 in Costa Rica; Wells,
Scott J, 1 cr

PERIODONTICS (Pero)

7-368 MoosT, 515 Delaware Street SE, East
Bank Campus, Minneapolis, MN, 55455
612/625-5400, <http://www.dentistry.umn.edu>

8000 Advanced Clinical Periodontology

(max crs 3; A-F only; prereq Resident in advanced
education program in periodontology)

12464 001 FWK, instruction mode: Classroom; MoosT 7-580,
1-3 cr

8200 Clinical Seminars

(prereq Resident in advanced education program in
periodontology)

12465 001 LEC, instruction mode: Classroom; MoosT 7-580,
1 cr

PERSIAN (Pers)

220 Folwell Hall, 9 Pleasant Street S E, East
Bank Campus, Minneapolis, MN, 55455

1011 Beginning Persian I

(Credit will not be granted if credit has been received
for: PERS 4101)

26488 001 DIS, 01:25pm-02:15pm MTWTh, PeikH 165,
instruction mode: Classroom; Course will be broadcast in
from the University of Wisconsin-Madison., 4 cr

PHARMACEUTICS (Phm)

9-177 Weaver-Densford Hall, 308 Harvard
Street SE, East Bank Campus, Minneapolis,
MN, 55455

612/624-5153, <http://www.pharmacy.umn.edu/pharmaceutics>

8100 Seminar: Pharmaceutics

(max crs 4; 4 repeats allowed; S-N only; prereq Grad
Phm major)

13312 001 LEC, 03:00pm-04:00pm T, Room TBA,
TCEASTBANK, instruction mode: Classroom; **PHAR
6260 students should contact course director before the
semester begins to obtain course assignment and grading.;;
Meets with: 13453 PHAR 6260; Siegel, Ronald A., 1 cr

8110 Readings in Pharmaceutics

(max crs 4; 4 repeats allowed; S-N only; prereq Grad
Phm major)

13313 001 LEC, instruction mode: Classroom; Panyam PhD,
Jayanth, 1 cr

8150 Pharmacokinetics Research Seminar

(Credit will not be granted if credit has been received
for: PHAR 6223; max crs 12; 12 repeats allowed; S-N
only; prereq Grad Phm major)

16156 001 LEC, instruction mode: Classroom; Elmquist,
William Frederick; Zimmerman, Cheryl L, 1 cr

8295 Research Problems in Pharmaceutics

(max crs 72; 6 repeats allowed; S-N only; prereq instr
consent)

14551 001 IND, instruction mode: Classroom, 1-12 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS
consent)

24090 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS
consent)

14138 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has
not passed prelim oral; no required consent for 1st/2nd
registrations, up to 12 combined cr; dept consent for
3rd/4th registrations, up to 24 combined cr; doctoral
student admitted before summer 2007 may register up
to four times, up to 60 combined cr)

14253 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18
cr per semester or summer; 10 cr total required [Plan
A only])

24097 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18
cr per semester or summer; 24 cr required)

13770 001 IND, instruction mode: Classroom, 1-24 cr

PHARMACOLOGY (Phcl)

6-120 Jackson Hall, 321 Church Street SE,
East Bank Campus, Minneapolis, MN, 55455
612/625-9997, <http://www.pharmacology.med.umn.edu>

2001 Basic Principles of Pharmacology: A Drug's Fantastic Voyage

(A-F; prereq First-year chemistry)

24126 001 LEC, 01:25pm-02:15pm MW, Room TBA,
TCEASTBANK, instruction mode: Classroom; Connell,
Gregory James, 2 cr

4001 Mechanisms of Drug Action

(A-F only; prereq Upper div or instr consent ; [prev
or concurrent] courses in [biology, biochemistry]
recommended)

16827 001 LEC, 09:05am-09:55am TTh, Room TBA,
TCEASTBANK, instruction mode: Classroom; Connell,
Gregory James; Romero, Daniel Patrick, 2 cr

4010 Current Research Topics in Pharmacology

(A-F; prereq Upper div or instr consent)

21497 001 DIS, 12:20pm-02:15pm F, Room TBA,
TCEASTBANK, instruction mode: Classroom; Hiasa,
Hiroshi, 2 cr

4020 Chemotherapy: from current anticancer drugs to future cancer therapeutics

(A-F; prereq College-level biology: PHCL 2001 and/or
PHCL3100, GCD4151 recommended.)

34082 001 LEC, 02:30pm-03:20pm MW, Room TBA,
TCEASTBANK, 03:35pm-04:25pm W, Room TBA,
TCEASTBANK, instruction mode: Classroom; Hiasa,
Hiroshi, 3 cr

4100 Laboratory in Molecular Pharmacology

(A-F; prereq [2001 or 4001], 3100, [BioC 3021 or BioC
4331], [BioC 4025, BioC 4125 recommended])

25764 001 LAB, 01:25pm-04:50pm Th, Room TBA,
TCEASTBANK, instruction mode: Classroom; Romero,
Daniel Patrick, 2 cr

4343 Pharmacology of the Synapse

(A-F; prereq [2001, 3100] or instr consent)

25547 001 LEC, 03:35pm-05:15pm M, STS 512A,
instruction mode: Classroom; Petersen, Christina Ingrid, 2
cr

4993 Directed Studies

(max crs 6; S-N; prereq instr consent , dept consent)

21943 001 IND, instruction mode: Independent/Directed
Studies; Hiasa, Hiroshi, 1-3 cr

4994 Directed Research

(max crs 12; 4 repeats allowed; S-N; prereq instr
consent , dept consent)

21944 001 IND, instruction mode: Independent/Directed
Studies; Hiasa, Hiroshi, 1-3 cr

5109 Problems in Pharmacology

(max crs 18; prereq Upper div or grad student or instr
consent)

13314 001 IND, instruction mode: Classroom; Campbell,
Colin R, 1-18 cr

5110 Introduction to Pharmacology

(A-F only; prereq Grad student or instr consent)

10536 001 LEC, 03:30pm-05:00pm M, Room TBA,
TCEASTBANK, 03:30pm-05:30pm W, Room TBA,
TCEASTBANK, instruction mode: Classroom; Campbell,
Colin R; Walseth, Timothy F, 3 cr

5112 A Graduate Toolkit I: An Introduction to the Scientific Research Lab

(A-F; prereq instr consent)

21855 001 LEC, 11:15am-12:05pm MW, Room TBA,
TCEASTBANK, instruction mode: Classroom; Hiasa,
Hiroshi, 1 cr

5113 A Graduate Toolkit II: Scientific Speaking and Writing for Graduate Students

(A-F; prereq Completion of one yr of a grad program)

21856 001 DIS, 09:05am-11:00am TTh, Room TBA,
TCEASTBANK, instruction mode: Classroom; Marchant,
Jonathan S, 2 cr

8026 Neuro-Immune Interactions

(prereq MICA 8001 or equiv or instr consent)

20187 001 LEC, 02:30pm-05:00pm M, Room TBA,
TCEASTBANK, instruction mode: Classroom; Meets with:
18724 NSC 8026; Roy, Sabita; Molitor, Thomas William, 3
cr

8100 Laboratory Research in Pharmacology

(max crs 8; S-N; prereq Grad student or instr consent)

23286 001 LAB, instruction mode: Independent/Directed
Studies; Campbell, Colin R, 4 cr

8200 Seminar: Selected Topics in Pharmacology

(max crs 8; 8 repeats allowed; A-F; prereq 5212 or instr
consent)

13315 001 LEC, 12:15pm-01:15pm T, Room TBA,
TCEASTBANK, instruction mode: Classroom; Walseth,
Timothy F, 1 cr

8208 Neuropsychopharmacology

(A-F only; prereq [5212, Psy 5021, Psy 5061] or instr consent)
19342 001 LEC, 02:30pm-05:00pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Course meets in Moost 11-207.; Meets with: 21184 NSC 8208; Roy, Sabita; Harris, Andrew Charles; Gewirtz, Jonathan C, 3 cr

8217 Problems in Investigative

Pharmacology
(S-N only)
13636 001 LEC, 09:00am-12:00pm W, Room TBA, TCEASTBANK, 09/08/15-10/26/15, instruction mode: Classroom; Course will meet on September 5, NHH 2-101, 9:00 am-Noon.; Loh, Horace H, 0 cr

8320 Readings in Neurobiology

(max crs 4; 4 repeats allowed; prereq instr consent)
19389 001 DIS, 03:30pm-04:30pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 14992 NSC 8320; Fairbanks, Carolyn Ann, 1-4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
14001 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14136 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14251 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14334 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13768 001 IND, instruction mode: Classroom, 1-24 cr

PHARMACY (Phar)

5-110 Weaver-Densford Hall, 308 Harvard Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-9490, <http://www.pharmacy.umn.edu>

1 CoP - Phillips Neighborhood Clinic

(9 repeats allowed; NGA; prereq Current Student Pharmacist in the College of Pharmacy)
20246 001 FWK, 09/08/15-12/16/15, instruction mode: Independent/Directed Studies; Pereira, Chrystian Reynaldo; Larson, Tom Alan, 0 cr

1001 Orientation to Pharmacy

18449 001 IND, instruction mode: Correspondence; Cortese PharmD, Angela Marie, 2 cr

1002 Medical Terminology

18450 001 IND, 09/08/15-11/06/15, instruction mode: Correspondence; This course runs on an accelerated 9-week schedule.; Lounsbury, Jody Leigh, 2 cr

1003 Non-Prescription Medications and Self-Care: Treating Minor Conditions

18451 001 IND, instruction mode: Correspondence; Milone PharmD, Anna S, 2 cr

1004 Common Prescription Drugs and Diseases

18452 001 IND, instruction mode: Correspondence; Cortese PharmD, Angela Marie, 2 cr

1006 Orientation to Health Literacy and Communication

(A-F)
22631 001 IND, instruction mode: Correspondence; Lowry, Ann E., 2 cr

3206 Issues in Health Literacy and Communication

(Credit will not be granted if credit has been received for: PHAR 5206; A-F; The Twin Cities online Phar 3206 and 5206 are equivalent to the online Duluth Phar 3206 and 5206 and credit will not be granted if credit has been received for more than one instance of the courses.)
24151 001 IND, instruction mode: Correspondence; Lowry, Ann E., 3 cr

3207 Leadership in Health Care

(Credit will not be granted if credit has been received for: PHAR 5207; A-F; The Twin Cities online Phar 3207 and 5207 are equivalent to the online Duluth Phar 3207 and 5207 and credit will not be granted if credit has been received for more than one instance of the courses.)
23289 001 IND, 10/27/15-12/16/15, instruction mode: Correspondence; Fierke, Kerry K., 3 cr

3601 Basic Human Physiology for the Health Professions

(A-F; prereq Medical terminology and anatomy)
26354 001 IND, instruction mode: Correspondence; Important textbook information can be found on the College of Pharmacy website: <http://elearning.pharmacy.umn.edu/phar3601/index.htm>; Cortese PharmD, Angela Marie, 3 cr

3700 Fundamentals of Pharmacotherapy

(Credit will not be granted if credit has been received for: PHAR 5700; A-F; prereq Medical terminology)
18453 001 IND, instruction mode: Correspondence; Cortese PharmD, Angela Marie, 3 cr

3800 Pharmacotherapy for the Health Professions

(Credit will not be granted if credit has been received for: PHAR 5800; A-F only; prereq Anatomy/physiology, nursing or respiratory care)
18455 001 IND, instruction mode: Correspondence; Nursing students only; 100 seats reserved for Nurs student; Cortese PharmD, Angela Marie, 3 cr
18472 002 IND, instruction mode: Correspondence; Respiratory Care students only; 25 seats reserved for Respiratory Care B A Sc, Roch; 25 seats reserved for Nursing RN, Rochester; Cortese PharmD, Angela Marie, 3 cr

4200W Drugs and the U.S. Health Care System

(Credit will not be granted if credit has been received for: PHAR 5200, PHAR 5200, PHAR 4200; A-F; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)
19786 001 IND, instruction mode: Correspondence; Milone PharmD, Anna S, 3 cr

4248 Drugs of Abuse

(A-F)
22307 001 LEC, 03:35pm-05:30pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Rempel, Rory P, 2 cr

4293 Directed Research I - Undergraduate

(max crs 5; prereq Undergrad, instr consent)
23080 001 IND, instruction mode: Independent/Directed Studies, 1-5 cr

4294 Directed Study I for Undergraduates

(max crs 10; prereq Undergrad, instr consent)
18569 001 IND, instruction mode: Independent/Directed Studies, 1-5 cr

5200 Drugs and the U.S. Healthcare System

(Credit will not be granted if credit has been received for: PHAR 4200W, PHAR 5200, PHAR 4200; A-F; prereq grad or professional student)
19789 001 IND, instruction mode: Correspondence; Milone PharmD, Anna S, 3 cr

5201 Applied Health Sciences Terminology
(prereq Basic knowledge of human anatomy/physiology)

18437 001 IND, 09/08/15-11/06/15, instruction mode: Correspondence; This course runs on an accelerated 9-week schedule.; Lounsbury, Jody Leigh, 2 cr

5205 Obesity: Issues, Interventions, Innovations

(A-F; prereq Second or third year pharmacy student, or student enrolled in a graduate science or health-

related program. Suggested prerequisites include biochemistry and physiology.)

22730 001 IND, instruction mode: Correspondence; Milone PharmD, Anna S, 2 cr

5206 Applied Health Literacy and Communication

(Credit will not be granted if credit has been received for: PHAR 3206; A-F; The Twin Cities online Phar 3206 and 5206 are equivalent to the online Duluth Phar 3206 and 5206 and credit will not be granted if credit has been received for more than one instance of the courses.)
22651 001 IND, instruction mode: Correspondence; Lowry, Ann E., 3 cr

5207 Applied Leadership in Health Care

(Credit will not be granted if credit has been received for: PHAR 3207; A-F; prereq advanced undergraduates or professional health care students or grad students; The Twin Cities online Phar 3207 and 5207 are equivalent to the online Duluth Phar 3207 and 5207 and credit will not be granted if credit has been received for more than one instance of the courses.)
23290 001 IND, 10/27/15-12/16/15, instruction mode: Correspondence; Fierke, Kerry K., 3 cr

5230 Principles of Clinical Pharmacology Research

(A-F; prereq 3rd Year Pharmacy Student or instr consent)
25951 001 LEC, 08:00am-09:55am F, Room TBA, TCEASTBANK, 09/08/15-12/16/15, instruction mode: Classroom; Kirstein, Mark Noel, 2 cr

5270 Therapeutics of Herbal and Other Natural Medicinals

(A-F only; prereq organic chemistry, pathophysiology of disease states, 3rd or 4th yr PHAR)
19818 001 LEC, 08:00am-09:55am M, Room TBA, TCEASTBANK, 09/08/15-12/16/15, instruction mode: Classroom; Kingston, Richard L, 2 cr

5700 Applied Fundamentals of Pharmacotherapy

(Credit will not be granted if credit has been received for: PHAR 3700; A-F; prereq Medical terminology and admission to grad program or instr consent)
18454 001 IND, instruction mode: Correspondence; Cortese PharmD, Angela Marie, 3 cr

5800 Pharmacotherapy for the Health Professions

(Credit will not be granted if credit has been received for: PHAR 3800; A-F; prereq Nursing grad program)
18583 001 IND, instruction mode: Correspondence; 200 seats reserved for Nurs grad; Cortese PharmD, Angela Marie, 3 cr

6150 CoP Honors: Medicinal Chemistry Seminar

(max crs 2; A-F; prereq instr consent; meets HON req of Honors)
13201 001 LEC, 03:30pm-05:00pm T, Moost 2-520, 09/08/15-12/16/15, instruction mode: Classroom; Meets with: 11094 MEDC 8100; Haskell-Luevano, Carrie, 1 cr

6160 CoP Honors: Experimental and Clinical Pharmacology Seminar

(A-F; prereq instr consent; meets HON req of Honors)
19390 001 LEC, 12:20pm-01:10pm W, Room TBA, TCEASTBANK, 09/08/15-12/16/15, instruction mode: Classroom; Meets with: 14710 ECP 8100; St Hill, Catherine A., 1 cr

6183 Pharm.D. IV Paper

(S-N; prereq 6181, 4th yr Pharmacy student)
16169 001 IND, 09/08/15-12/16/15, instruction mode: Independent/Directed Studies; Hadsall, Ronald S; Uden, Donald Lawrence, 2 cr

6200 Drugs and the U.S. Healthcare System

(A-F; prereq Pharmacy student)
19790 001 IND, 09/08/15-12/16/15, instruction mode: Correspondence; Milone PharmD, Anna S, 2 cr

6204 College of Pharmacy Community Outreach

(max crs 3; A-F only; prereq Current student pharmacist in College of Pharmacy)

22031 001 IND, 09/08/15-12/16/15, instruction mode:
Independent/Directed Studies; Larson, Tom Alan, 1-3 cr
26994 002 IND, 10/20/15-12/16/15, instruction mode:
Independent/Directed Studies; Larson, Tom Alan, 1-3 cr

6206 Introduction to Pharmacy Research (A-F; prereq PharmD student)

26342 001 LEC, 03:35pm-04:25pm W, Room TBA,
TCEASTBANK, 09/08/15-12/16/15, instruction mode:
Classroom; St Hill, Catherine A., 1 cr

6210 Immunization Tour

(Credit will not be granted if credit has been received
for: NURS 4430; A-F only; prereq 6175, Completion of
CPR)

15197 001 LEC, 11:15am-12:05pm M, Room TBA,
TCEASTBANK, 09/08/15-12/16/15, instruction mode:
Classroom; Meets with: 16183 NURS 4430; Pfeiffer,
Jeanne, 1 cr

6222 Advanced Pharmaceutical Compounding

(A-F; prereq 2nd or 3rd year pharmacy student)

24148 001 LEC, 05:45pm-07:45pm M, Room TBA,
TCEASTBANK, 09/08/15-12/16/15, instruction mode:
Classroom; Carlson, Gary H, 2 cr

6223 Pharmacokinetics Research Seminar

(Credit will not be granted if credit has been received
for: PHM 8150; max crs 2; A-F only; prereq 6163 with
grade of "B" or better)

15361 001 LEC, 09/08/15-12/16/15, instruction mode:
Independent/Directed Studies; Elmquist, William Frederick;
Zimmerman, Cheryl L, 1 cr

6233 Drug Use Review and Management

(A-F only; prereq 3rd yr PHAR)

13151 001 LEC, 03:35pm-05:30pm Th, Room TBA,
TCEASTBANK, 09/08/15-12/16/15, instruction mode:
Classroom; Carlson PhD, Angeline M, 2 cr

6236 Clinical/Pharmacy Management in Modern U.S. Health-Care and Regulatory Landscape

(A-F)
17984 001 LEC, 01:25pm-03:20pm W, Room TBA,
TCEASTBANK, instruction mode: Classroom; Shim,
Andrew, 2 cr

6250 CoP Honors: Social and Administrative Pharmacy Seminar

(max crs 2; A-F; prereq instr consent; meets HON req
of Honors)

13182 001 LEC, 03:30pm-05:00pm Th, Room TBA,
TCEASTBANK, 09/08/15-12/16/15, instruction mode:
Classroom; Meets with: 12362 SAPH 8100; Schommer,
Jon C, 1 cr

6257 Leadership Best Sellers for Pharmacists

(A-F)
20873 001 DIS, 09/08/15-12/16/15, instruction mode:
Independent/Directed Studies; Sorensen, Todd D.; Janke
PhD, Kristin Kari, 2 cr

6260 CoP Honors: Pharmaceutics Seminar (A-F only; prereq instr consent; meets HON req of Honors)

13453 001 LEC, 03:00pm-04:00pm T, Room TBA,
TCEASTBANK, 09/08/15-12/16/15, instruction mode:
Classroom; Contact the course director for assignment and
grading before the semester begins.; Meets with: 13312
PHM 8100; Siegel, Ronald A., 1 cr

6270 CoP Honors: Critical Care Seminar (A-F only; prereq instr consent; meets HON req of Honors)

24150 001 LEC, 01:25pm-03:20pm W, Room TBA,
TCEASTBANK, 09/08/15-12/16/15, instruction mode:
Classroom; Skaar, Debra Jane, 2 cr

6293 Directed Research I

(max crs 10; prereq instr consent)
13183 001 IND, 09/08/15-12/16/15, instruction mode:
Independent/Directed Studies, 1-5 cr

6294 Directed Study I

(max crs 5; 5 repeats allowed)
13457 001 IND, 09/08/15-12/16/15, instruction mode:
Independent/Directed Studies; College of Pharmacy
students only - section reserved for IPE facilitators; 100
seats reserved for Pharmacy student; Pittenger, Amy
Louise, 1-5 cr

24695 002 IND, 09/08/15-12/16/15, instruction mode:
Primarily Online, 1-5 cr

6393 Directed Research II

(max crs 10; prereq instr consent)
16174 001 IND, 09/08/15-12/16/15, instruction mode:
Independent/Directed Studies, 1-5 cr

6394 Directed Study II

(max crs 5; 5 repeats allowed; A-F only)
13458 001 IND, 09/08/15-12/16/15, instruction mode:
Independent/Directed Studies, 1-5 cr

6493 Directed Research III

(max crs 5; 5 repeats allowed; prereq instr consent)
13456 001 IND, 09/08/15-12/16/15, instruction mode:
Independent/Directed Studies, 1-5 cr

6494 Directed Study III

(max crs 10; S-N only)
24686 001 IND, 09/08/15-12/16/15, instruction mode:
Classroom, 1-5 cr

6501 Ethics in Pharmacy Practice

(A-F; prereq 3rd yr Pharmacy student, instr consent)
17751 001 DIS, 08:00am-09:55am T, Room TBA,
TCEASTBANK, 09/08/15-12/16/15, instruction mode:
Classroom; Stratton, Tim, 2 cr

6700 Becoming a Pharmacist

(S-N)
24494 002 LEC, instruction mode: Classroom; Johnson
PharmD, Julie K, 2 cr

6702 Integrated Biochemical Sciences

(A-F; prereq Successful completion of Becoming a
Pharmacist (BaP))
24495 001 LEC, instruction mode: Classroom; Ferguson,
David M; Rumbley, Jon N, 4.50 cr

6704 Foundations of Social and

Administrative Pharmacy
(A-F; prereq Successful completion of Becoming a
Pharmacist (BaP))
24496 001 LEC, instruction mode: Classroom; Tomaszewski,
Daniel Mark; Schommer, Jon C, 2.50 cr

6706 Foundations of Pharmaceutical Care

(A-F; prereq Successful completion of Becoming a
Pharmacist (BaP))
24497 001 LEC, instruction mode: Classroom; Isets, Brian J;
Hager, Kerri Daun, 1.50 cr

6708 Drug Delivery I

(A-F; prereq Successful completion of Becoming a
Pharmacist (BaP))
24498 001 LEC, instruction mode: Classroom; Two exams
are given outside of the regularly scheduled class times.
See syllabus for further details.; Heikal, Ahmed A; Siegel,
Ronald A., 2.50 cr

6710 Pharmaceutical Care Skills Lab I

(A-F; prereq Successful completion of Becoming a
Pharmacist (BaP))
001 LEC, 01:25pm-03:20pm T, Room TBA, TCEASTBANK,
instruction mode: Classroom; Chen, Jennifer; Bastianelli,
Karen Marie
24499 002 LAB, 08:00am-09:55am Th, WDH 3-150,
instruction mode: Classroom; Chen, Jennifer, 2 cr
24500 003 LAB, 03:35pm-05:30pm Th, WDH 3-150,
instruction mode: Classroom; Chen, Jennifer, 2 cr
25290 004 LAB, 10:10am-12:05pm Th, WDH 3-150,
instruction mode: Classroom; Chen, Jennifer, 2 cr
25291 005 LAB, 01:25pm-03:20pm Th, WDH 3-150,
instruction mode: Classroom; Chen, Jennifer, 2 cr

6730 Professional Development and

Assessment II
(S-N; prereq PD Concurrent registration is required (or
allowed) in A I)
26677 001 DIS, instruction mode: Classroom; Gaither,
Caroline A, 0.54 cr

6732 Medicinal Chemistry and Pharmacology of Cardiovascular Agents

(A-F; prereq Principles of Pharmacology, Principles of
Medicinal Chemistry)
25935 001 LEC, instruction mode: Classroom; Mereddy,
Venkatram R; Fecik, Robert A, 2.30 cr

6734 Cellular Metabolism and Nutrition

(A-F; prereq Integrated Biochemical Sciences)
25936 001 LEC, instruction mode: Classroom; Johnson,
Rodney L.; Mereddy, Venkatram R, 2.80 cr

6736 Cardiovascular Pharmacotherapy

(A-F; prereq All PharmD year one coursework,
Physiology Competency Exam)
25938 001 LEC, instruction mode: Classroom; Schullo-
Feulner PharmD, Anne Marie; Swanoski PharmD, Michael
T; Undeberg PharmD, Megan R, 1.90 cr

6738 Pharmacokinetics

(A-F; prereq Drug Delivery I Concurrent registration is
required (or allowed) in II)
25939 001 LEC, instruction mode: Classroom; Zimmerman,
Cheryl L, 3.70 cr

6740 Pharmaceutical Care Skills Lab III

(A-F; prereq Pharmaceutical Care Skills Lab I
Concurrent registration is required (or allowed) in II,
Applied Pharmaceutical Care)
001 DIS, 03:35pm-05:30pm Th, Room TBA, TCEASTBANK,
instruction mode: Classroom; Rupnow, Nichole Marie;
Funk, Kylee Adair; George, Angela
25942 002 LAB, 01:25pm-03:20pm W, WDH 3-150,
instruction mode: Classroom; Funk, Kylee Adair; Rupnow,
Nichole Marie, 2 cr
25943 003 LAB, 03:35pm-05:30pm W, WDH 3-150,
instruction mode: Classroom; Funk, Kylee Adair; Rupnow,
Nichole Marie, 2 cr
25944 004 LAB, 08:00am-09:55am W, WDH 3-150,
instruction mode: Classroom; Funk, Kylee Adair; Rupnow,
Nichole Marie, 2 cr
25945 005 LAB, 10:10am-12:05pm W, WDH 3-150,
instruction mode: Classroom; Funk, Kylee Adair; Rupnow,
Nichole Marie, 2 cr

6742 Colloquium I: Scholarly Presentation Skills

(A-F; prereq Becoming a Pharmacist, Foundations of
Social and Administrative Pharmacy, Foundations of
Pharmaceutical Care)
25946 001 LEC, instruction mode: Classroom; Li, Ling, 0.80
cr

6937 Directed Study: Foundations of Leadership

(A-F; prereq PDII or PDIII Pharmacy student)
26655 001 DIS, 01:25pm-03:20pm W, Room TBA,
TCEASTBANK, 09/08/15-12/16/15, instruction mode:
Classroom; Fierke, Kerry K.; Janke PhD, Kristin Kari;
Sorensen, Todd D., 2 cr

6961 Women's Health

(A-F; prereq Prerequisite courses: Endocrinology
pharmacotherapy sequence in the PD2 year;
34697 001 LEC, 09/08/15-12/16/15, instruction mode:
Classroom; Moon PharmD, Jean Y.; Westberg, Sarah M.;
Undeberg PharmD, Megan R, 2 cr

7120 Community Practice Experience

(A-F; prereq Pharm.D. IV, MN Board of Pharmacy
intern, criminal background check, BLS CPR
certification, negative Mantoux test (or explanation of
positive test), chicken pox immunity)
13145 001 FWK, 09/08/15-12/16/15, instruction mode:
Classroom, 4 cr

7122 Acute Patient Care Practice Experience I

(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy
intern, criminal background check, BLS CPR
certification, negative Mantoux test (or explanation of
positive test), chicken pox immunity)
13146 001 FWK, 09/08/15-12/16/15, instruction mode:
Classroom, 4 cr

7123 Ambulatory Patient Care Practice Experience

(A-F; prereq Pharm.D. IV, MN Board of Pharmacy
intern, criminal background check, BLS CPR
certification, negative Mantoux test (or explanation of
positive test), chicken pox immunity)
13147 001 FWK, 09/08/15-12/16/15, instruction mode:
Classroom, 4 cr

7126 Patient Care Practice Experience

(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy
intern, criminal background check, BLS CPR
certification, negative Mantoux test (or explanation of
positive test), chicken pox immunity)
13148 001 FWK, 09/08/15-12/16/15, instruction mode:
Classroom, 4 cr

7128 Acute Patient Care Practice Experience II

(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, negative Mantoux test (or explanation of positive test), chicken pox immunity)

14379 001 FWK, 09/08/15-12/16/15, instruction mode: Classroom, 4 cr

7211 Elective Practice Experience I

(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, negative Mantoux test (or explanation of positive test), chicken pox immunity)

13158 001 FWK, 09/08/15-12/16/15, instruction mode: Classroom, 4 cr

7212 Elective Practice Experience II

(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, negative Mantoux test (or explanation of positive test), chicken pox immunity)

13159 001 FWK, 09/08/15-12/16/15, instruction mode: Classroom, 4 cr

7213 Elective Practice Experience III

(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, negative Mantoux test (or explanation of positive test), chicken pox immunity)

13160 001 FWK, 09/08/15-12/16/15, instruction mode: Classroom, 4 cr

7214 Elective Practice Experience IV

(A-F; prereq Pharm.D. IV, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, negative Mantoux test (or explanation of positive test), chicken pox immunity)

21742 001 FWK, 09/08/15-12/16/15, instruction mode: Independent/Directed Studies, 4 cr

7310 Pharm.D. First Year Seminar

(A-F; prereq Successful completion of Becoming a Pharmacist (BaP))

24502 002 DIS, instruction mode: Classroom; Jolowsky, Christene M; Garza, Oscar W; Little, Meg, 1 cr

7330 Early Pharmacy Education with Community Teachers (EPHECT) I

(S-N; prereq Students must have completed or be currently enrolled in the following courses:

26866 001 FWK, 10:10am-12:05pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; PD2 course; Bastianelli, Karen Marie; Conway, Jeannine M, 0.40 cr

PHILOSOPHY (Phil)

831 Heller Hall, 271 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/625-6563, <http://www.philosophy.umn.edu>

1001 Introduction to Logic

(Credit will not be granted if credit has been received for: PHIL 1001H, PHIL 1021; meets CLE req of Mathematical Thinking)

001 LEC, 09:45am-11:00am MF, AndH 350, instruction mode: Classroom; Kac, Michael B

11564 002 DIS, 09:05am-09:55am T, BlegH 335, instruction mode: Classroom; , 4 cr

11563 003 DIS, 10:10am-11:00am T, BlegH 140, instruction mode: Classroom; , 4 cr

11565 004 DIS, 09:05am-09:55am W, BlegH 140, instruction mode: Classroom; , 4 cr

17091 005 DIS, 10:10am-11:00am W, HHHctr 60, instruction mode: Classroom; , 4 cr

1002W Introduction to Philosophy

(Credit will not be granted if credit has been received for: PHIL 1006W, PHIL 1002V, PHIL 1026W, PHIL 1102; meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)

001 LEC, 01:00pm-02:15pm MW, AndH 350, instruction mode: Classroom

23382 002 DIS, 12:20pm-01:10pm F, BlegH 105, instruction mode: Classroom, 4 cr

23383 003 DIS, 01:25pm-02:15pm F, BlegH 105, instruction mode: Classroom, 4 cr

1003W Introduction to Ethics

(Credit will not be granted if credit has been received for: PHIL 1003V, PHIL 1103; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

001 LEC, 11:15am-12:30pm MW, AndH 350, instruction mode: Classroom; What is a Good Life? College is a

time when you figure out what kind of life you'll live and what kind of person you'll be. This course makes room to investigate these questions philosophically, by reflecting on your own answers and exploring alternatives. Specifically, we'll focus on topics such as: What is the nature of happiness? Is well-being the same as pleasure or getting what you want? Or is there more to it? Does a good life require being ethical or virtuous? How is your happiness related to the happiness of others?; Tiberius, Valerie

33892 002 DIS, 10:10am-12:05pm F, BlegH 335, instruction mode: Classroom, 4 cr

33893 003 DIS, 11:15am-12:05pm F, BlegH 205, instruction mode: Classroom, 4 cr

33894 004 DIS, 11:15am-12:05pm F, BlegH 260, instruction mode: Classroom, 4 cr

33895 005 DIS, 12:20pm-01:10pm F, BlegH 210, instruction mode: Classroom, 4 cr

1004W Introduction to Political Philosophy

(Credit will not be granted if credit has been received for: PHIL 1004V; meets CLE req of Arts/Humanities; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

001 LEC, 10:10am-11:00am MWF, BlegH 10, instruction mode: Classroom; Holtman, Sarah Williams

11423 002 DIS, 09:05am-09:55am T, BlegH 330, instruction mode: Classroom; , 4 cr

11424 003 DIS, 09:05am-09:55am Th, BlegH 330, instruction mode: Classroom; , 4 cr

18879 004 DIS, 10:10am-11:00am T, HHHctr 20, instruction mode: Classroom; , 4 cr

21421 005 DIS, 10:10am-11:00am Th, BlegH 225, instruction mode: Classroom; , 4 cr

1006W Philosophy and Cultural Diversity

(Credit will not be granted if credit has been received for: PHIL 1002W, PHIL 1002V, PHIL 1026W, PHIL 1102; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive)

001 LEC, 01:25pm-02:15pm MWF, BlegH 130, instruction mode: Classroom

33896 002 DIS, 12:20pm-01:10pm Th, BlegH 225, instruction mode: Classroom, 4 cr

33897 003 DIS, 01:25pm-02:15pm Th, BlegH 225, instruction mode: Classroom, 4 cr

1007 Introduction to Political Philosophy Practicum

(prereq Concurrent registration is required (or allowed) in 1004W)

20020 001 FWK, instruction mode: Classroom; Holtman, Sarah Williams, 1 cr

1431 Introduction to Philosophy

(max crs 6; A-F only; Only Rochester-admitted students will be able to enroll in this course.; meets CLE req of Arts/Humanities)

19838 001 LEC, 09:45am-11:00am TTh, USq 415, ROCHESTER, instruction mode: Classroom; Kostko, Aaron Thomas; Wright, Jake; Mondy, Brian J, 3 cr

31601 002 LEC, 11:15am-12:30pm TTh, USq 415, ROCHESTER, instruction mode: Classroom; Kostko, Aaron Thomas; Wright, Jake; Mondy, Brian J, 3 cr

19839 003 LEC, 12:45pm-02:00pm TTh, USq 415, ROCHESTER, instruction mode: Classroom; Kostko, Aaron Thomas; Wright, Jake; Mondy, Brian J, 3 cr

24070 004 LEC, 04:00pm-05:15pm TTh, USq 317, ROCHESTER, instruction mode: Classroom; Kostko, Aaron Thomas; Wright, Jake; Mondy, Brian J, 3 cr

1905 Topics: Freshman Seminar

(max crs 6; A-F only; prereq freshman)

26613 001 LEC, 01:00pm-02:15pm TTh, BlegH 115, instruction mode: Classroom; Cook, Roy Thomas, 3 cr

3001W General History of Western Philosophy: Ancient Period

(meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)

001 LEC, 12:20pm-01:10pm MWF, BlegH 150, instruction mode: Classroom; Peterson, Sandra Lynne

13383 002 DIS, 12:20pm-01:10pm T, BlegH 330, instruction mode: Classroom; , 4 cr

13384 003 DIS, 01:25pm-02:15pm T, BlegH 205, instruction mode: Classroom; , 4 cr

3301 Environmental Ethics

(meets CLE req of Environment)

33905 001 DIS, 01:00pm-02:15pm MF, BlegH 235, instruction mode: Classroom, 4 cr

3302W Moral Problems of Contemporary Society

(Credit will not be granted if credit has been received for: PHIL 3322W, PHIL 3402; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

001 LEC, 09:45am-11:00am TTh, BlegH 250, instruction mode: Classroom

15220 002 DIS, 10:10am-11:00am M, BlegH 225, instruction mode: Classroom, 4 cr

15517 003 DIS, 11:15am-12:05pm M, BlegH 140, instruction mode: Classroom; , 4 cr

3305 Medical Ethics

18882 001 LEC, 06:00pm-09:00pm M, AndH 250, instruction mode: Classroom; Phil 3305 will also be offered in S14. ; 4 cr

3311W Introduction to Ethical Theory

(meets CLE req of Writing Intensive)

15147 001 LEC, 09:45am-11:00am WF, HHHctr 184, instruction mode: Classroom; , 4 cr

3441 Ethics of Medicine and the Sciences

(A-F only; prereq 1441 or instr consent; meets CLE req of Arts/Humanities; meets CLE req of Civic Life and Ethics)

22739 001 DIS, 04:00pm-05:15pm MW, USq 317, ROCHESTER, instruction mode: Classroom; Kostko, Aaron Thomas, 3 cr

3502W Introduction to Aesthetics

(max crs 4; meets CLE req of Writing Intensive)

33909 001 LEC, 02:30pm-03:45pm WF, HHHctr 60, instruction mode: Classroom, 3 cr

3601W Scientific Thought

(prereq One course in philosophy or natural science; meets CLE req of Writing Intensive)

14597 001 LEC, 09:45am-11:00am TTh, BlegH 255, instruction mode: Classroom; Uffink, Jos, 4 cr

3993 Directed Studies

(max crs 6; 6 repeats allowed)

11665 001 IND, instruction mode: Classroom, 1-3 cr

4010 Ancient Philosophers

(max crs 6; prereq 3001 or instr consent)

25493 001 DIS, 02:30pm-03:20pm MWF, HellerH 731, instruction mode: Classroom; Meets with: 25494 PHIL 5010; Peterson, Sandra Lynne, 3 cr

4101 Metaphysics

(prereq One course in history of philosophy or instr consent)

33910 001 LEC, 09:45am-11:00am MW, BlegH 115, instruction mode: Classroom; Hanks, Peter William, 3 cr

4231 Philosophy of Language

(prereq 1001 or 5201 or instr consent)

33906 001 LEC, 11:15am-12:30pm TTh, BlegH 115, instruction mode: Classroom; Owens, Joseph I, 3 cr

4330 Contemporary Moral Theories

(prereq 1003 or instr consent)

33904 001 LEC, 02:30pm-03:45pm MW, BlegH 205, instruction mode: Classroom; Taylor, David Ernest, 3 cr

4607 Philosophy of the Biological Sciences

(prereq Courses in [philosophy or biology] or instr consent)

33908 001 LEC, 02:30pm-03:45pm TTh, BlegH 260, instruction mode: Classroom; Love, Alan C, 3 cr

4993 Directed Studies

(max crs 6; 6 repeats allowed)

11664 001 IND, instruction mode: Classroom, 1-3 cr

4995 Senior Project (Directed Studies)

(A-F; prereq instr consent , dept consent)

18526 001 IND, instruction mode: Independent/Directed Studies, 1 cr

4995H Honors Senior Project

(A-F; prereq instr consent , dept consent; meets HON req of Honors)

21464 001 IND, instruction mode: Independent/Directed Studies, 1 cr

5010 Ancient Philosophers

(max crs 6; prereq 3001 or instr consent)

25494 001 DIS, 02:30pm-03:20pm MWF, HellerH 731, instruction mode: Classroom; Meets with: 25493 PHIL 4010; Peterson, Sandra Lynne, 3 cr

5201 Symbolic Logic I

(prereq 1001 or instr consent)

001 LEC, 11:15am-12:30pm MW, HellerH 731, instruction mode: Classroom; Taylor, David Ernest
11567 002 DIS, 11:15am-12:05pm TTh, HellerH 731, instruction mode: Classroom; , 4 cr

5221 Philosophy of Logic (prereq 5202 or instr consent)

33901 001 LEC, 04:00pm-06:30pm W, HellerH 731, instruction mode: Classroom; Hellman, Geoffrey, 3 cr

5603 Scientific Inquiry

33907 001 LEC, 01:00pm-02:15pm TTh, HellerH 830, instruction mode: Classroom; Uffink, Jos, 3 cr

5993 Directed Studies

(max crs 6; 6 repeats allowed; prereq instr consent, dept consent, college consent)
11666 001 IND, instruction mode: Classroom, 1-3 cr

8010 Workshop in History of Philosophy

(max crs 4; 4 repeats allowed; prereq Concurrent registration is required (or allowed) in 4xxx hist of phil course, instr consent)
26349 001 LEC, instruction mode: Classroom, 1 cr

8100 Workshop in Epistemology and Metaphysics

(max crs 4; 4 repeats allowed; prereq Concurrent registration is required (or allowed) in 4xxx [epistemology or metaphysics] course, instr consent)
26350 001 LEC, instruction mode: Classroom, 1 cr

8110 Seminar: Metaphysics

(max crs 6; prereq 4101 or instr consent)
33903 001 LEC, 04:00pm-06:00pm Th, HellerH 731, instruction mode: Classroom; Scheman, Naomi, 3 cr

8200 Workshop in Logic and Philosophy of Mathematics

(max crs 4; 4 repeats allowed; prereq [Concurrent registration is required (or allowed) in 4xxx logic or 4xxx phil of math], instr consent)
33898 001 LEC, instruction mode: Classroom, 1 cr

8300 Workshop in Moral and Political Philosophy

(max crs 4; 4 repeats allowed; prereq [Concurrent registration is required (or allowed) in 4xxx moral phil or 4xxx pol phil] instr consent)
22471 001 LEC, instruction mode: Classroom, 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
14002 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14137 001 IND, instruction mode: Classroom, 1 cr

8600 Workshop in the Philosophy of Science

(max crs 4; 4 repeats allowed; prereq Concurrent registration is required (or allowed) in 4xxx phil of sci course, instr consent)
22472 001 LEC, instruction mode: Classroom, 1 cr

8620 Seminar: Philosophy of the Biological Sciences

(max crs 6)
25512 001 LEC, 04:00pm-06:00pm Th, HHHctr 20, instruction mode: Classroom, 3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14335 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13769 001 IND, instruction mode: Classroom, 1-24 cr

8993 Directed Study

(max crs 6; 6 repeats allowed; prereq instr consent)
11735 001 IND, instruction mode: Classroom, 1-3 cr

8994 Directed Research

(max crs 6; 6 repeats allowed; prereq instr consent)
12864 001 IND, instruction mode: Classroom, 1-3 cr

PHYSICAL EDUCATION (PE)

220 Cooke Hall, 1900 University Ave SE,
East Bank Campus, Minneapolis, MN, 55455
612/625-5300, <http://cehd.umn.edu/kin>

1007 Beginning Swimming

(OPN)

10905 001 LAB, 08:00am-08:50am MW, CookeH 10, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Couillard, Jessica Novotny, 1 cr

10906 002 LAB, 09:05am-09:55am MW, CookeH 10, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Couillard, Jessica Novotny, 1 cr

13355 004 LAB, 08:00am-08:50am TTh, CookeH 10, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Couillard, Jessica Novotny, 1 cr

19209 005 LAB, 09:05am-09:55am TTh, CookeH 10, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Couillard, Jessica Novotny, 1 cr

19825 006 LAB, 10:10am-11:00am TTh, CookeH 10, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Brandes, Megan Ann, 1 cr

22696 008 LAB, 08:00am-09:40am F, CookeH 10, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Brandes, Megan Ann, 1 cr

22697 009 LAB, 10:10am-11:50am F, CookeH 10, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Brandes, Megan Ann, 1 cr

1012 Beginning Running

(OPN)

20776 001 LAB, 08:00am-08:50am MW, CookeH LOBBY, instruction mode: Classroom; Participation in a race is required for a passing grade. See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Hippen, Lois Margarete, 1 cr

18602 002 LAB, 09:05am-09:55am MW, CookeH LOBBY, instruction mode: Classroom; Participation in a race is required for a passing grade. See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Hippen, Lois Margarete, 1 cr

1014 Conditioning

(OPN)

10907 001 LAB, 08:00am-08:50am MW, FieldHse 50, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the

first day of class - open seats often become available.; Munafa, Justin Gabriel, 1 cr

10908 002 LAB, 09:05am-09:55am MW, FieldHse 50, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Mork, Sarah Katelyn, 1 cr

10909 003 LAB, 10:10am-11:00am MW, FieldHse 50, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Mork, Sarah Katelyn, 1 cr

10910 004 LAB, 08:00am-08:50am TTh, FieldHse 50, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Brandes, Megan Ann, 1 cr

10911 005 LAB, 09:05am-09:55am TTh, FieldHse 50, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Mork, Sarah Katelyn, 1 cr

10912 006 LAB, 10:10am-11:00am TTh, FieldHse 50, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Mork, Sarah Katelyn, 1 cr

25990 007 LAB, 08:00am-09:40am F, FieldHse 50, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Mork, Sarah Katelyn, 1 cr

25991 008 LAB, 10:10am-11:50am F, FieldHse 50, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Mork, Sarah Katelyn, 1 cr

1015 Weight Training

(OPN)

10913 001 LAB, 08:00am-08:50am MW, URecCtr 220, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Stephenson, Greg, 1 cr

10914 002 LAB, 09:05am-09:55am MW, URecCtr 220, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Munafa, Justin Gabriel, 1 cr

10915 003 LAB, 10:10am-11:00am MW, URecCtr 220, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Munafa, Justin Gabriel, 1 cr

19210 004 LAB, 08:00am-08:50am TTh, URecCtr 220, instruction mode: Classroom; See One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Munafa, Justin Gabriel, 1 cr

10916 005 LAB, 09:05am-09:55am TTh, URecCtr 220, instruction mode: Classroom; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/

10920 002 LAB, 01:25pm-03:05pm MW, GCh(StP) 160, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Directions to the Clubhouse, University Golf Course can be found at <http://www.uofmgolf.com/directions.htm>>www.uofmgolf.com

13356 003 LAB, 09:05am-10:40am TTh, GCh(StP) 160, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Directions to the Clubhouse, University Golf Course can be found at <http://www.uofmgolf.com/directions.htm>>www.uofmgolf.com

24397 004 LAB, 11:15am-12:55pm TTh, GCh(StP) 160, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Directions to the Clubhouse, University Golf Course can be found at <http://www.uofmgolf.com/directions.htm>>www.uofmgolf.com

24398 005 LAB, 01:25pm-03:05pm TTh, GCh(StP) 160, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Directions to the Clubhouse, University Golf Course can be found at <http://www.uofmgolf.com/directions.htm>>www.uofmgolf.com

26746 006 LAB, 09:05am-12:25pm F, GCh(StP) 160, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Directions to the Clubhouse, University Golf Course can be found at <http://www.uofmgolf.com/directions.htm>>www.uofmgolf.com; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop

for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Benoit, Luke, 1 cr

26747 007 LAB, 01:25pm-04:45pm F, GCh(StP) 160, STPAUL, 09/08/15-10/26/15, instruction mode: Classroom; Directions to the Clubhouse, University Golf Course can be found at <http://www.uofmgolf.com/directions.htm>>www.uofmgolf.com; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Benoit, Luke, 1 cr

1065 Beginning Tumbling and Gymnastics (OPN)

26038 001 LAB, 10:10am-11:00am TTh, CookeH 302, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Campbell, Julia Faith, 1 cr

26039 002 LAB, 11:15am-12:05pm TTh, CookeH 302, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Campbell, Julia Faith, 1 cr

1067 Basketball (OPN)

10921 001 LAB, 08:00am-08:50am MW, FieldHse 50, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Hopkins, Christopher William, 1 cr

18494 002 LAB, 09:05am-09:55am MW, FieldHse 50, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Hopkins, Christopher William, 1 cr

24102 003 LAB, 10:10am-11:00am MW, FieldHse 50, instruction mode: Classroom; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Hopkins, Christopher William, 1 cr

24103 004 LAB, 08:00am-08:50am TTh, FieldHse 50, instruction mode: Classroom; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Hopkins, Christopher William, 1 cr

24104 005 LAB, 09:05am-09:55am TTh, FieldHse 50, instruction mode: Classroom; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One

Stop for course fees.; Hopkins, Christopher William, 1 cr

24105 006 LAB, 10:10am-11:00am TTh, FieldHse 50, instruction mode: Classroom; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; Hopkins, Christopher William, 1 cr

1071 Beginning Cricket (OPN)

16842 001 LAB, 08:00am-09:40am F, FieldHse 50, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Peterson, Charles E, 1 cr

1072 Soccer (OPN)

11066 001 LAB, 08:00am-09:40am MW, TCFStad FIELDDEAST, 09/08/15-10/26/15, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; (Enter under Wabasha at the stadium); Adamcsek, Viktor Istvan, 1 cr

19219 002 LAB, 10:10am-11:50am MW, TCFStad FIELDDEAST, 09/08/15-10/26/15, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; (Enter under Wabasha at the stadium); Adamcsek, Viktor Istvan, 1 cr

19831 003 LAB, 08:00am-09:40am MW, SportsDome FIELDSOUTH, 10/27/15-12/16/15, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Adamcsek, Viktor Istvan, 1 cr

19832 004 LAB, 10:10am-11:50am MW, SportsDome FIELDSOUTH, 10/27/15-12/16/15, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Adamcsek, Viktor Istvan, 1 cr

24515 005 LAB, 08:00am-09:40am TTh, SportsDome FIELDSOUTH, 10/27/15-12/16/15, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Curtis, John D, 1 cr

24516 006 LAB, 10:10am-11:50am TTh, SportsDome FIELDSOUTH, 10/27/15-12/16/15, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Curtis, John D, 1 cr

1074 Beginning Volleyball (OPN)

24508 002 LAB, 01:25pm-03:05pm M, CookeH 325, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Hoffmann, Tiffany, 1 cr

1075 Flag Football (OPN)

20782 001 LAB, 08:00am-09:40am TTh, TCFStad FIELDDEAST, 09/08/15-10/26/15, instruction mode: Classroom; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; (Enter under Wabasha at the stadium); Medina, Jaime Gerardo, 1 cr

24133 002 LAB, 10:10am-11:50am TTh, TCFStad FIELDDEAST, 09/08/15-10/26/15, instruction mode: Classroom; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; (Enter under Wabasha at the stadium); Townzen, Ryan Karim, 1 cr

24134 003 LAB, 08:00am-09:40am MW, SportsDome FIELDNORTH, 10/27/15-12/16/15, instruction mode: Classroom; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; Medina, Jaime Gerardo, 1 cr

24135 004 LAB, 10:10am-11:50am MW, SportsDome FIELDNORTH, 10/27/15-12/16/15, instruction mode: Classroom; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; Townzen, Ryan Karim, 1 cr

1078 Ultimate Disc (OPN)

20783 001 LAB, 08:00am-09:40am MW, SportsDome FIELDNORTH, 09/08/15-10/26/15, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Williams, Gregory Donald, 1 cr

20784 002 LAB, 08:00am-09:40am TTh, SportsDome FIELDNORTH, 10/27/15-12/16/15, instruction mode: Classroom; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Williams, Gregory Donald, 1 cr

1079 Rugby (Non-contact) (OPN)

26005 002 LAB, 10:10am-11:50am TTh, SportsDome FIELDNORTH, 10/27/15-12/16/15, instruction mode: Classroom; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; Bridges, Stacey Marie, 1 cr

1205 Scuba and Skin Diving (OPN; prereq Ability to swim 400 yds comfortably or instr consent)

10902 001 LAB, 06:00pm-10:15pm M, UAqCtr 45, 09/08/15-10/26/15, instruction mode: Classroom; Please check the Web site <http://superiorexpeditions.com/>>www.superiorexpeditions.com/ for forms and notes for requirements and limitations for SCUBA diving. See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Karl, Robert J, 1 cr

10903 002 LAB, 10:10am-12:05pm TTh, UAqCtr 45, 09/08/15-10/26/15, instruction mode: Classroom; Please check the Web site <http://superiorexpeditions.com/>>www.superiorexpeditions.com/ for forms and notes for requirements and limitations for SCUBA diving. See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Karl, Robert J, 1 cr

13241 003 LAB, 06:00pm-10:15pm W, UAqCtr 45, 09/08/15-10/26/15, instruction mode: Classroom; Please check the Web site <http://superiorexpeditions.com/>>www.superiorexpeditions.com/ for forms and notes for requirements and limitations for SCUBA diving. See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html>One Stop for course fees.; If registration is unsuccessful via the registration and waitlist,

student should plan to attend the first day of class - open seats often become available.; Karl, Robert J, 1 cr
 13242.004 LAB, 06:00pm-10:15pm M, UAqCtr 45, 10/27/15-12/16/15, instruction mode: Classroom; Please check the Web site http://superiorexpeditions.com/ for forms and notes for requirements and limitations for SCUBA diving. See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Karl, Robert J, 1 cr
 14407.005 LAB, 10:10am-12:05pm TTh, UAqCtr 45, 10/27/15-12/16/15, instruction mode: Classroom; Please check the Web site http://superiorexpeditions.com/ for forms and notes for requirements and limitations for SCUBA diving. See http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first day of class - open seats often become available.; Karl, Robert J, 1 cr

1720 Special Activities in Physical Education

(max crs 9; 9 repeats allowed; OPN)
 26714.001 LAB, instruction mode: Classroom; Topic prereq - PE 1055 or instr consent, 1-3 cr

PHYSICAL MEDICINE AND REHABILITATION (PMed)

500 Boynton Health Service (Box 297 Mayo),
 410 Church Street SE, East Bank Campus,
 Minneapolis, MN, 55455
 612/626-4050, <http://www.pmr.umn.edu>

7410 Rehabilitation Medicine for Adults

(max crs 6; HNV; prereq Med 7500 or Neur 7510)
 12609.001 FWK, 08:00am-12:00pm W, Room TBA,
 TCEASTBANK, 08/03/15-12/23/15, instruction mode:
 Classroom; Dykstra, Dennis Dale, 2-6 cr

7411 Rehabilitation Medicine: Ambulatory Care

(max crs 6; HNV; prereq enrolled med sr)
 12610.001 FWK, 08:00am-12:00pm W, Room TBA,
 TCEASTBANK, 08/03/15-12/23/15, instruction mode:
 Classroom; Dykstra, Dennis Dale, 2-6 cr

7412 Rehabilitation Medicine for Adults - VA Medical Center

(max crs 6; HNV)
 12611.001 FWK, 08:00am-12:00pm W, Room TBA,
 TCEASTBANK, 08/03/15-12/23/15, instruction mode:
 Classroom; Dykstra, Dennis Dale, 3-6 cr

7415 Physical Medicine and Rehabilitation for the Generalist

(max crs 6; HNV)
 14967.001 LEC, instruction mode: Classroom, 4-6 cr

7416 Pediatric Rehab Medicine at Gillette Children's Hospital

(max crs 6; HNV)
 12628.001 FWK, 08:00am-12:00pm W, Room TBA,
 TCEASTBANK, 08/03/15-12/23/15, instruction mode:
 Classroom; Dykstra, Dennis Dale, 3-6 cr

7418 Rehab Medicine at Hennepin County Medical Center

(max crs 6; HNV)
 14518.001 FWK, 08/06/15-01/28/16, instruction mode:
 Classroom, 2-6 cr

8200 Physical Medicine and Rehabilitation Service

(max crs 15; prereq enrolled in PMed residency training program)
 12808.001 LEC, 08:00am-12:00pm W, Room TBA,
 TCEASTBANK, instruction mode: Classroom; Dykstra,
 Dennis Dale, 1-15 cr

8207 Basic and Applied Psychiatry

(prereq enrolled in PMed residency training program)
 12809.001 LEC, 08:00am-12:00pm W, Room TBA,
 TCEASTBANK, instruction mode: Classroom, 1 cr

8210 Research in Physical Medicine

(max crs 15; prereq enrolled in PMed residency training program)
 12810.001 LEC, instruction mode: Classroom, 1-15 cr

8212 Electromyography

(max crs 15; prereq enrolled in PMed residency training program)
 12811.001 LEC, instruction mode: Classroom, 1-15 cr

8214 Readings in Electromyography

(max crs 3; prereq enrolled in PMed residency training program)
 12812.001 LEC, 08:00am-12:00pm W, Room TBA,
 TCEASTBANK, instruction mode: Classroom, 1-3 cr

8220 Seminar: Physical Medicine and Rehabilitation

(max crs 15; prereq enrolled in PMed residency training program)
 12813.001 LEC, 08:00am-12:00pm W, Room TBA,
 TCEASTBANK, instruction mode: Classroom, 1-15 cr

PHYSICAL THERAPY (PT)

382 Children's Rehabilitation Center, 426
 Church Street SE, East Bank Campus,
 Minneapolis, MN, 55455
 612/626-5303, <http://www.phyther.med.umn.edu>

1002 Orientation to Physical Therapy

(S-N only)
 12409.001 LEC, 01:25pm-02:15pm T, Room TBA,
 TCEASTBANK, instruction mode: Classroom, 1 cr

6002 Ethics in Public Health: Research and Policy

(max crs 2; S-N only)
 15844.001 LEC, 01:10pm-03:20pm W, ChRC R555,
 instruction mode: Classroom; Picard, Kathleen Marie, 1 cr

6213 Clerkship I

(A-F only; prereq Registered PT student)
 001 LEC, 11:15am-12:05pm Th, Room TBA, TCEASTBANK,
 instruction mode: Classroom; Wood, Martha L
 14997.002 LAB, 01:25pm-04:30pm TTh, Room TBA,
 TCEASTBANK, instruction mode: Classroom; Clerkship
 Clinic MTW 1:30 - 4:30 arranged; Lojovich, Jeanne Marie,
 2 cr

6215 Clerkship III

(max crs 2; A-F only; prereq Registered PT student)
 001 LEC, 11:15am-12:30pm T, Room TBA, TCEASTBANK,
 instruction mode: Classroom; Picard, Kathleen Marie
 25851.002 LAB MWF, Room TBA, instruction mode:
 Classroom, 1 cr

6220 Clinic Volunteer

(max crs 6; 6 repeats allowed; NGA)
 15848.001 FWK, instruction mode: Classroom; Olson-
 Kellogg, Becky Jo; Glasoe, Ward M; Anderson, Kathleen;
 Lozano, Henry L; Lojovich, Jeanne Marie, 1 cr

6231 Clinical Biomechanics

(Credit will not be granted if credit has been received for: PMED 5231, RSC 5231; A-F only; prereq Intro calculus, physics, registered PT student)
 15306.001 LEC, 08:00am-09:55am MWF, Room TBA,
 TCEASTBANK, instruction mode: Classroom; Glasoe,
 Ward M; Ludewig, Paula M, 5 cr

6280 Clinical Assessment

(A-F only; prereq Registered PT student)
 15307.001 LEC, 10:10am-12:05pm WF, ChRC R555,
 10:10am-01:10pm M, ChRC R555, instruction mode:
 Classroom; Glasoe, Ward M; Koehler, Linda Ann, 4 cr

6281 Scientific Foundations I: Theory of Therapeutic Exercise

(Credit will not be granted if credit has been received for: RTT 5281, RSC 5281; A-F only; prereq Registered PT student)
 11898.001 LEC, 10:10am-12:05pm T, ChRC R555,
 10:10am-11:00am Th, ChRC R555, instruction mode:
 Classroom; 30 seats reserved for PT student; Thompson
 PhD, LaDora V; Snow MD, PhD, LeAnn M; Lowe, Dawn
 Annette, 3 cr

6283 Musculoskeletal I

(A-F only; prereq enrolled PT student)
 15814.001 LEC, 08:00am-11:00am MTWThF, Room TBA,
 TCEASTBANK, instruction mode: Classroom; Anderson,
 Kathleen, 7 cr

6293 Essentials of Rehabilitation Research

(A-F only; prereq Registered 2nd yr PT student)
 15499.001 LEC, 01:30pm-03:30pm T, ChRC R555,
 11:45am-02:00pm Th, ChRC R555, instruction mode:
 Classroom; Van de Winckel, Ann Liesbeth Jeanne, 4 cr

6295 Clinical Internship I

(S-N only)
 16155.001 FWK, 08/07/15-06/15/16, instruction mode:
 Classroom; Olson-Kellogg, Becky Jo, 10 cr

6296 Clinical Internship II

(S-N; prereq Registered PT Student)
 16182.001 FWK, 08/07/15-06/15/16, instruction mode:
 Classroom; Olson-Kellogg, Becky Jo, 10 cr

6340 Human Growth and Development

(A-F only; prereq Registered PT student)
 11901.001 LEC, 08:00am-09:55am TTh, ChRC R555,
 instruction mode: Classroom; ChRC R555; Koehler, Linda
 Ann, 3 cr

7000 Neurological Theory and Neuroscience in Physical Therapy

(max crs 6; 6 repeats allowed; A-F)
 17341.001 LEC, instruction mode: Classroom; Lojovich,
 Jeanne Marie; Kimberley, PT, PhD, Teresa Jacobson, 1-6
 cr

7009 Capstone Experience

(A-F; prereq Must be a DPT student)
 18742.001 IND, instruction mode: Classroom; Carey, James
 Robert; Zhong, Ling, 3 cr

7010 Topics in Geriatric Rehabilitation I

(S-N; prereq Licensed physical therapist enrolled in geriatric clinical residency)
 20719.001 LEC, instruction mode: Classroom; Olson-Kellogg,
 Becky Jo, 2 cr

8131 Research Seminar I

(S-N only; prereq Grad PT major)
 13169.001 LEC, 02:30pm-03:20pm MTWThF, Room TBA,
 TCEASTBANK, instruction mode: Classroom; Carey,
 James Robert, 1 cr
 13598.002 LEC, 02:30pm-05:20pm MTWThF, Room TBA,
 TCEASTBANK, instruction mode: Classroom, 1 cr
 13599.003 LEC, 02:30pm-05:20pm MTWThF, Room TBA,
 TCEASTBANK, instruction mode: Classroom; Lojovich,
 Jeanne Marie, 1 cr
 13600.004 LEC, 02:30pm-05:20pm MTWThF, Room TBA,
 TCEASTBANK, instruction mode: Classroom; Kimberley,
 PT, PhD, Teresa Jacobson, 1 cr
 15826.005 LEC, 02:30pm-05:20pm MTWThF, Room TBA,
 TCEASTBANK, instruction mode: Classroom; Snow MD,
 PhD, LeAnn M, 1 cr
 15827.006 LEC, 02:30pm-05:20pm MTWThF, Room TBA,
 TCEASTBANK, instruction mode: Classroom, 1 cr
 16915.007 LEC, 02:30pm-05:20pm MTWThF, Room TBA,
 TCEASTBANK, instruction mode: Classroom, 1 cr
 17993.008 LEC, 02:30pm-05:20pm MTWThF, Room TBA,
 TCEASTBANK, instruction mode: Classroom, 1 cr
 19322.009 LEC, 02:30pm-05:20pm MTWThF, Room TBA,
 TCEASTBANK, instruction mode: Classroom; Legon,
 Wynn, 1 cr
 26775.010 LEC MTWThF, Room TBA, instruction mode:
 Classroom; Thompson PhD, LaDora V, 1 cr
 26898.011 LEC, instruction mode: Classroom; MacKinnon,
 Colum, 1 cr

8193 Research Problems in Physical Therapy

(max crs 7; 7 repeats allowed; A-F only; prereq Grad PT major)
 15500.001 IND, instruction mode: Classroom; Carey, James
 Robert, 1-7 cr
 15501.002 IND, instruction mode: Classroom; Koehler, Linda
 Ann, 1-7 cr
 15502.003 IND, instruction mode: Classroom; Glasoe, Ward
 M, 1-7 cr
 15503.004 IND, instruction mode: Classroom; Ludewig, Paula
 M, 1-7 cr
 16127.005 IND, instruction mode: Classroom; Lowe, Dawn
 Annette, 1-7 cr
 16128.006 IND, instruction mode: Classroom; Snow MD,
 PhD, LeAnn M, 1-7 cr
 17337.007 IND, instruction mode: Classroom; Gillick,
 Bernadette Therese, 1-7 cr
 18601.008 IND, instruction mode: Classroom; Thompson
 PhD, LaDora V, 1-7 cr
 23086.009 IND, instruction mode: Classroom, 1-7 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
 14008.001 IND, instruction mode: Classroom, 1 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14341 001 IND, instruction mode: Classroom, 1-18 cr

PHYSICS (Phys)

148 Tate Laboratory of Physics, 116 Church Street SE, East Bank Campus, Minneapolis, MN, 55455

612/624-7375, <http://www.physics.umn.edu>

1001W Energy and the Environment

(prereq 1 yr high school algebra; meets CLE req of Environment; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive)

- 100 LEC, 01:25pm-02:15pm MWF, WBU AUDITORIUM, instruction mode: Classroom; 3-hour final exam; Desai, Satish
- 10709 101 LAB, 10:10am-12:05pm M, . LAB-TBA, instruction mode: Classroom, 4 cr
- 10710 102 LAB, 08:00am-09:05am M, . LAB-TBA, instruction mode: Classroom; Sebesta, Kevin, 4 cr
- 10711 103 LAB, 02:30pm-04:25pm M, . LAB-TBA, instruction mode: Classroom; Gebrehiwet, Simon Teklai, 4 cr
- 10712 104 LAB, 04:40pm-06:35pm M, . LAB-TBA, instruction mode: Classroom; Sebesta, Kevin, 4 cr
- 10713 105 LAB, 08:00am-09:55am T, . LAB-TBA, instruction mode: Classroom, 4 cr
- 10714 106 LAB, 10:10am-12:05pm T, . LAB-TBA, instruction mode: Classroom, 4 cr
- 10715 107 LAB, 06:50pm-08:45pm M, . LAB-TBA, instruction mode: Classroom; Sebesta, Kevin, 4 cr
- 10716 108 LAB, 02:30pm-04:25pm T, . LAB-TBA, instruction mode: Classroom; Gebrehiwet, Simon Teklai, 4 cr
- 10717 109 LAB, 04:40pm-06:35pm T, . LAB-TBA, instruction mode: Classroom, 4 cr
- 13667 110 LAB, 06:50pm-08:45pm T, . LAB-TBA, instruction mode: Classroom; Sebesta, Kevin, 4 cr

1101W Introductory College Physics I

(prereq High school algebra, plane geometry, trigonometry; primarily for students interested in technical areas; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive)

- 100 LEC, 01:25pm-02:15pm MWF, WilleyH 125, instruction mode: Classroom; 3-hr common final exam; Noireaux, Vincent
- 102 DIS, 01:25pm-02:15pm Th, SmithH 111, instruction mode: Classroom
- 10720 103 LAB, 04:40pm-06:35pm M, . LAB-TBA, instruction mode: Classroom; Brown, Jarrett B, 4 cr
- 104 DIS, 01:25pm-02:15pm Th, FordH 155, instruction mode: Classroom
- 10722 105 LAB, 10:10am-12:05pm T, . LAB-TBA, instruction mode: Classroom; Rogers, Hannah E, 4 cr
- 106 DIS, 01:25pm-02:15pm Th, FoiH 10, instruction mode: Classroom
- 10724 107 LAB, 08:00am-09:55am M, . LAB-TBA, instruction mode: Classroom; Bodurtha, Kent E, 4 cr
- 108 DIS, 01:25pm-02:15pm Th, FordH 130, instruction mode: Classroom
- 10726 109 LAB, 10:10am-12:05pm M, . LAB-TBA, instruction mode: Classroom; Kreshchuk, Michael, 4 cr
- 110 DIS, 01:25pm-02:15pm Th, STSS 420B, instruction mode: Classroom
- 10727 111 LAB, 04:40pm-06:35pm T, . LAB-TBA, instruction mode: Classroom; Wiesman, Harrison, 4 cr
- 112 DIS, 01:25pm-02:15pm Th, NichH 115, instruction mode: Classroom
- 10729 113 LAB, 06:50pm-08:45pm T, . LAB-TBA, instruction mode: Classroom; Kohler, John, 4 cr
- 120 DIS, 02:30pm-03:20pm Th, AmundH 104, instruction mode: Classroom
- 10731 121 LAB, 02:30pm-04:25pm M, . LAB-TBA, instruction mode: Classroom; Rogers, Hannah E, 4 cr
- 122 DIS, 02:30pm-03:20pm Th, SmithH 121, instruction mode: Classroom
- 23931 123 LAB, 08:00am-09:55am T, . LAB-TBA, instruction mode: Classroom; Brown, Jarrett B, 4 cr
- 124 DIS, 02:30pm-03:20pm Th, . ROOM-TBA, instruction mode: Classroom
- 23932 125 LAB, 08:00am-09:55am W, . LAB-TBA, instruction mode: Classroom, 4 cr
- 126 DIS, 02:30pm-03:20pm Th, CivE 213, instruction mode: Classroom
- 10734 127 LAB, 02:30pm-04:25pm T, . LAB-TBA, instruction mode: Classroom; Wiesman, Harrison, 4 cr
- 128 DIS, 02:30pm-03:20pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 10736 129 LAB, 10:10am-12:05pm W, . LAB-TBA, instruction mode: Classroom; Kreshchuk, Michael, 4 cr
- 130 DIS, 02:30pm-03:20pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 10738 131 LAB, 04:40pm-06:35pm Th, . LAB-TBA, instruction mode: Classroom; Kohler, John, 4 cr

- 1200 LEC, 05:45pm-07:15pm TTh, WilleyH 125, instruction mode: Classroom; 3-hr common final exam; Capriotti, John David
- 1201 DIS, 07:30pm-08:20pm Th, AmundH 156, instruction mode: Classroom
- 10741 1202 LAB, 06:50pm-08:45pm M, . LAB-TBA, instruction mode: Classroom; 3 seats reserved for non-PSEO, non-admitted student; Zheng, Jiaming, 4 cr
- 1203 DIS, 07:30pm-08:20pm Th, AmundH 124, instruction mode: Classroom
- 10743 1204 LAB, 04:40pm-06:35pm W, . LAB-TBA, instruction mode: Classroom; Hinojosa Alvarado, Alberto, 4 cr
- 1205 DIS, 07:30pm-08:20pm Th, AmundH 158, instruction mode: Classroom
- 14529 1206 LAB, 06:50pm-08:45pm W, . LAB-TBA, instruction mode: Classroom; 3 seats reserved for non-PSEO, non-admitted student; DC, Mahendra, 4 cr
- 1207 DIS, 07:30pm-08:20pm Th, . ROOM-TBA, instruction mode: Classroom
- 23933 208 LAB, 08:00am-09:55am Th, . LAB-TBA, instruction mode: Classroom, 4 cr
- 1230 DIS, 08:30pm-09:20pm Th, STSS 119, instruction mode: Classroom
- 10744 231 LAB, 10:10am-12:05pm Th, . LAB-TBA, instruction mode: Classroom; Hinojosa Alvarado, Alberto, 4 cr
- 1232 DIS, 08:30pm-09:20pm Th, AmundH 156, instruction mode: Classroom
- 10746 233 LAB, 02:30pm-04:25pm Th, . LAB-TBA, instruction mode: Classroom; Zheng, Jiaming, 4 cr
- 1234 DIS, 08:30pm-09:20pm Th, AmundH 124, instruction mode: Classroom
- 15223 235 LAB, 02:30pm-04:25pm W, . LAB-TBA, instruction mode: Classroom; DC, Mahendra, 4 cr

1201W Introductory Physics for Biology and Pre-medicine I

(Credit will not be granted if credit has been received for: PHYS 1301W, PHYS 1401V, PHYS 1501V, PHYS 1281, PHYS 1381; prereq [High school or college calculus], trigonometry, algebra; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive)

- 100 LEC, 10:10am-11:00am MTWTF, WilleyH 125, instruction mode: Classroom; 3-hr common final exam; Heller, Ken
- 101 DIS, 10:10am-11:00am Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 10748 102 LAB, 02:30pm-04:25pm T, . LAB-TBA, instruction mode: Classroom; Sammon, Michael Joseph, 5 cr
- 103 DIS, 10:10am-11:00am Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 10749 104 LAB, 08:00am-09:55am Th, . LAB-TBA, instruction mode: Classroom; Ganser, Kaylee Elisabeth, 5 cr
- 105 DIS, 10:10am-11:00am Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 10750 106 LAB, 04:40pm-06:35pm M, . LAB-TBA, instruction mode: Classroom; Unal, Caner, 5 cr
- 107 DIS, 10:10am-11:00am Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 10751 108 LAB, 02:30pm-04:25pm W, . LAB-TBA, instruction mode: Classroom; Schneider, Simon, 5 cr
- 109 DIS, 10:10am-11:00am Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 10752 110 LAB, 06:50pm-08:45pm M, . LAB-TBA, instruction mode: Classroom; Chen, Chun, 5 cr
- 111 DIS, 10:10am-11:00am Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 19189 112 LAB, 06:50pm-08:45pm T, . LAB-TBA, instruction mode: Classroom; Robinson, Zachary Loren, 5 cr
- 130 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 15638 131 LAB, 04:40pm-06:35pm W, . LAB-TBA, instruction mode: Classroom; Miller, Joshua M, 5 cr
- 132 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 13490 133 LAB, 04:40pm-06:35pm T, . LAB-TBA, instruction mode: Classroom; Sammon, Michael Joseph, 5 cr
- 134 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 13497 135 LAB, 06:50pm-08:45pm W, . LAB-TBA, instruction mode: Classroom; Unal, Caner, 5 cr
- 136 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 13558 137 LAB, 02:30pm-04:25pm M, . LAB-TBA, instruction mode: Classroom; Chen, Chun, 5 cr
- 138 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 16880 139 LAB, 06:50pm-08:45pm Th, . LAB-TBA, instruction mode: Classroom; Robinson, Zachary Loren, 5 cr
- 140 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 19192 141 LAB, 02:30pm-04:25pm Th, . LAB-TBA, instruction mode: Classroom; Schneider, Simon, 5 cr
- 142 DIS, 11:15am-12:05pm Th, . ROOM-TBA, instruction mode: Classroom
- 19740 143 LAB, 04:40pm-06:35pm Th, . LAB-TBA, instruction mode: Classroom, 5 cr
- 144 DIS, 11:15am-12:05pm Th, STSS 121, instruction mode: Classroom
- 33737 145 LAB, 10:10am-12:05pm F, . LAB-TBA, instruction mode: Classroom, 5 cr
- 200 LEC, 12:20pm-01:10pm MTWTF, WilleyH 125, instruction mode: Classroom; 3-hr common final exam; Dahlberg, E Dan
- 201 DIS, 12:20pm-01:10pm Th, . ROOM-TBA, instruction mode: Classroom
- 15282 202 LAB, 02:30pm-04:25pm Th, . LAB-TBA, instruction mode: Classroom, 5 cr
- 203 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 15283 204 LAB, 10:10am-12:05pm Th, . LAB-TBA, instruction mode: Classroom; Day-Roberts, Ezra J, 5 cr
- 205 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 15284 206 LAB, 10:10am-12:05pm Th, . LAB-TBA, instruction mode: Classroom; Klapoetke, Kevin Humphrey, 5 cr
- 207 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 16195 208 LAB, 08:00am-09:55am M, . LAB-TBA, instruction mode: Classroom; Graziano, Gino V, 5 cr
- 209 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 33739 210 LAB, 08:00am-09:55am W, . LAB-TBA, instruction mode: Classroom, 5 cr
- 211 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 33742 212 LAB, 08:00am-09:55am Th, . LAB-TBA, instruction mode: Classroom, 5 cr
- 213 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 33744 1214 LAB, 06:50pm-08:45pm Th, . LAB-TBA, instruction mode: Classroom, 5 cr
- 226 DIS, 01:25pm-02:15pm Th, STSS 144, instruction mode: Classroom
- 33746 1227 LAB, 04:40pm-06:35pm Th, . LAB-TBA, instruction mode: Classroom, 5 cr
- 228 DIS, 01:25pm-02:15pm Th, STSS 123, instruction mode: Classroom
- 33748 229 LAB, 10:10am-12:05pm F, . LAB-TBA, instruction mode: Classroom, 5 cr
- 230 DIS, 01:25pm-02:15pm Th, PeikH 225, instruction mode: Classroom
- 15285 231 LAB, 08:00am-09:55am T, . LAB-TBA, instruction mode: Classroom; Klapoetke, Kevin Humphrey, 5 cr
- 232 DIS, 01:25pm-02:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 15286 233 LAB, 10:10am-12:05pm M, . LAB-TBA, instruction mode: Classroom; Reddy, Abraham S, 5 cr
- 234 DIS, 01:25pm-02:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 15287 235 LAB, 10:10am-12:05pm W, . LAB-TBA, instruction mode: Classroom; Graziano, Gino V, 5 cr
- 236 DIS, 01:25pm-02:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 16197 237 LAB, 10:10am-12:05pm T, . LAB-TBA, instruction mode: Classroom; Day-Roberts, Ezra J, 5 cr
- 238 DIS, 01:25pm-02:15pm Th, STSS 117, instruction mode: Classroom
- 33750 239 LAB, 08:00am-09:55am F, . LAB-TBA, instruction mode: Classroom, 5 cr
- 300 LEC, instruction mode: Classroom; 3-hour common final exam
- 301 DIS, instruction mode: Classroom
- 23948 302 LAB, instruction mode: Classroom, 5 cr
- 303 DIS, instruction mode: Classroom
- 23950 304 LAB, instruction mode: Classroom, 5 cr
- 305 DIS, instruction mode: Classroom
- 23952 306 LAB, instruction mode: Classroom, 5 cr
- 307 DIS, instruction mode: Classroom
- 23954 308 LAB, instruction mode: Classroom, 5 cr
- 332 DIS, instruction mode: Classroom
- 23956 333 LAB, instruction mode: Classroom, 5 cr
- 334 DIS, instruction mode: Classroom
- 23958 335 LAB, instruction mode: Classroom, 5 cr
- 336 DIS, instruction mode: Classroom
- 23960 337 LAB, instruction mode: Classroom, 5 cr
- 338 DIS, instruction mode: Classroom
- 23962 339 LAB, instruction mode: Classroom, 5 cr

1202W Introductory Physics for Biology and Pre-medicine II

(Credit will not be granted if credit has been received for: PHYS 1302W, PHYS 1402V, PHYS 1502V, PHYS 1282, PHYS 1382; prereq 1201W; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive)

- 100 LEC, 02:30pm-03:20pm MTWTF, WilleyH 125, instruction mode: Classroom; 3-hour final exam; Wynveen, Aaron S
- 101 DIS, 02:30pm-03:20pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
- 15065 102 LAB, 08:00am-09:55am W, . LAB-TBA, instruction mode: Classroom; Delles, James T, 5 cr
- 103 DIS, 02:30pm-03:20pm Th, . ROOM-TBA, instruction mode: Classroom

- 15067 104 LAB, 10:10am-12:05pm W, . LAB-TBA, instruction mode: Classroom, 5 cr
 105 DIS, 02:30pm-03:20pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 15069 !106 LAB, 04:40pm-06:35pm W, . LAB-TBA, instruction mode: Classroom; Wang, Yuting, 5 cr
 107 DIS, 02:30pm-03:20pm Th, VinH 364, instruction mode: Classroom
 15071 !108 LAB, 06:50pm-08:45pm W, . LAB-TBA, instruction mode: Classroom; Mullen, Michael F, 5 cr
 111 DIS, 02:30pm-03:20pm Th, CookeH 206, instruction mode: Classroom
 16199 112 LAB, 08:00am-09:55am F, . LAB-TBA, instruction mode: Classroom; Sooriyan, Pamela, 5 cr
 120 DIS, 03:35pm-04:25pm Th, SmithH 121, instruction mode: Classroom
 16201 121 LAB, 10:10am-12:05pm F, . LAB-TBA, instruction mode: Classroom; Wang, Yuting, 5 cr
 122 DIS, 03:35pm-04:25pm Th, FordH 150, instruction mode: Classroom
 16203 !123 LAB, 06:50pm-08:55pm Th, . LAB-TBA, instruction mode: Classroom; Delles, James T, 5 cr
 124 DIS, 03:35pm-04:25pm Th, STSS 123, instruction mode: Classroom
 22477 125 LAB, 08:00am-09:55am Th, . LAB-TBA, instruction mode: Classroom, 5 cr
 126 DIS, 03:35pm-04:25pm Th, FordH 130, instruction mode: Classroom
 16205 127 LAB, 10:10am-12:05pm Th, . LAB-TBA, instruction mode: Classroom, 5 cr
 130 DIS, 03:35pm-04:25pm Th, FolH 12, instruction mode: Classroom
 16207 !131 LAB, 04:40pm-06:35pm Th, . LAB-TBA, instruction mode: Classroom, 5 cr
- 1251 Physics I**
(A-F only; prereq Grade of at least C- in [MATH 1111 or equiv] or [Concurrent registration is required (or allowed) in MATH 1171 or equivalent] or MATH 2161; meets CLE req of Physical Sciences)
 001 LEC, 08:00am-08:50am MWF, 318Com 1, ROCHESTER, instruction mode: Classroom; meets CLE req of Technology and Society; Aryal, Bijaya; Hall, Eric Robert; Aanerud, Marian Elaine Melby
 21778 002 LAB, 09:05am-09:55am MWF, 318Com 1, ROCHESTER, instruction mode: Classroom; meets CLE req of Technology and Society; Aryal, Bijaya; Hall, Eric Robert; Aanerud, Marian Elaine Melby, 4 cr
 003 LEC, 01:25pm-02:15pm MWF, 318Com 1, ROCHESTER, instruction mode: Classroom; meets CLE req of Technology and Society; Aanerud, Marian Elaine Melby; Hall, Eric Robert; Aryal, Bijaya
 21780 004 LAB, 02:30pm-03:20pm MWF, 318Com 1, ROCHESTER, instruction mode: Classroom; meets CLE req of Technology and Society; Aanerud, Marian Elaine Melby; Hall, Eric Robert; Aryal, Bijaya, 4 cr
- 1301W Introductory Physics for Science and Engineering I**
(Credit will not be granted if credit has been received for: PHYS 1201W, PHYS 1401V, PHYS 1501V, PHYS 1281, PHYS 1381; prereq Concurrent registration is required (or allowed) in Math 1271 or Concurrent registration is required (or allowed) in Math 1371 or Concurrent registration is required (or allowed) in Math 1571; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive)
 100 LEC, 08:00am-08:50am MTWTF, WilleyH 125, instruction mode: Classroom; 3-hr common final exam; Pribiag, Vlad
 101 DIS, 08:00am-08:50am Th, FordH 170, instruction mode: Classroom
 13420 102 LAB, 10:10am-12:05pm M, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Klapoetke, Kevin Humphrey, 4 cr
 103 DIS, 08:00am-08:50am Th, STSS 512B, instruction mode: Classroom
 13422 104 LAB, 10:10am-12:05pm M, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Fu, Han, 4 cr
 105 DIS, 08:00am-08:50am Th, FordH B60, instruction mode: Classroom
 10757 106 LAB, 02:30pm-04:25pm T, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Evans, Andrew C, 4 cr
 107 DIS, 08:00am-08:50am Th, VinH 209, instruction mode: Classroom
 10759 108 LAB, 10:10am-12:05pm T, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Wang, Dehua, 4 cr
 111 DIS, 08:00am-08:50am Th, VinH 206, instruction mode: Classroom
 10754 112 LAB, 10:10am-12:05pm Th, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Cai, Jiashen, 4 cr
 113 DIS, 08:00am-08:50am Th, SmithH 121, instruction mode: Classroom
 13250 114 LAB, 02:30pm-04:25pm Th, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Hameed, Sajna, 4 cr
 115 DIS, 08:00am-08:50am Th, STSS 420B, instruction mode: Classroom
 33756 116 LAB, 12:20pm-02:15pm M, . LAB-TBA, instruction mode: Classroom, 4 cr
 130 DIS, 09:05am-09:55am T, FolH 16, instruction mode: Classroom
 10761 131 LAB, 10:10am-12:05pm T, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Evans, Andrew C, 4 cr
 132 DIS, 09:05am-09:55am Th, FolH 16, instruction mode: Classroom
 10763 133 LAB, 10:10am-12:05pm W, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Hameed, Sajna, 4 cr
 134 DIS, 09:05am-09:55am Th, PillsH 110, instruction mode: Classroom
 10765 135 LAB, 12:20pm-02:15pm T, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Cai, Jiashen, 4 cr
 136 DIS, 09:05am-09:55am Th, VinH 211, instruction mode: Classroom
 13251 137 LAB, 10:10am-12:05pm Th, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Wang, Dehua, 4 cr
 138 DIS, 09:05am-09:55am Th, AmundH 240, instruction mode: Classroom
 13253 139 LAB, 10:10am-12:05pm W, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Fu, Han, 4 cr
 140 DIS, 09:05am-09:55am Th, VinH 6, instruction mode: Classroom
 33758 141 LAB, 02:30pm-04:25pm M, . LAB-TBA, instruction mode: Classroom, 4 cr
 142 DIS, 09:05am-09:55am Th, STSS 131A, instruction mode: Classroom
 33760 143 LAB, 02:30pm-04:25pm T, . LAB-TBA, instruction mode: Classroom, 4 cr
 300 LEC, 11:15am-12:05pm MTWTF, WilleyH 125, instruction mode: Classroom; 3-hr common final exam; Kakalios, James
 301 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 10768 302 LAB, 12:20pm-02:15pm T, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Meng, Yao (Leon), 4 cr
 303 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 10770 304 LAB, 08:00am-09:55am W, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Adhikari, Santosh, 4 cr
 305 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 10772 306 LAB, 08:00am-09:55am W, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Conklin, Chris, 4 cr
 307 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 10774 308 LAB, 08:00am-09:55am M, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Mast, Nicholas G, 4 cr
 309 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 10776 1310 LAB, 04:40pm-06:35pm W, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Zinger, Alexey, 4 cr
 313 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 13256 1314 LAB, 04:40pm-06:35pm W, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Hupach, Adam Joseph, 4 cr
 331 DIS, 12:20pm-01:10pm Th, STSS 144, instruction mode: Classroom
 10778 332 LAB, 08:00am-09:55am Th, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Mast, Nicholas G, 4 cr
 333 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 10780 334 LAB, 08:00am-09:55am M, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Conklin, Chris, 4 cr
 335 DIS, 12:20pm-01:10pm Th, STSS 123, instruction mode: Classroom
 10782 1336 LAB, 04:40pm-06:35pm M, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Hupach, Adam Joseph, 4 cr
 337 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 10784 338 LAB, 08:00am-09:55am Th, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Meng, Yao (Leon), 4 cr
 339 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 10786 340 LAB, 02:30pm-04:25pm W, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Zinger, Alexey, 4 cr
 341 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom
 10788 342 LAB, 08:00am-09:55am F, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Adhikari, Santosh, 4 cr
 343 DIS, 12:20pm-01:10pm Th, . NORMREQD, instruction mode: Classroom
 33763 1344 LAB, 04:40pm-06:35pm M, . LAB-TBA, instruction mode: Classroom, 4 cr
 1500 LEC, 04:40pm-05:30pm MTWTF, WilleyH 125, instruction mode: Classroom; 3-hour common final exam; Pawloski, Gregory J
 501 DIS, 03:35pm-04:25pm Th, AkerH 317, instruction mode: Classroom
 21430 1502 LAB, 06:50pm-08:45pm W, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Malmi Kakkada, Abdul Naseer, 4 cr
 503 DIS, 03:35pm-04:25pm Th, AkerH 327, instruction mode: Classroom
 21432 504 LAB, 02:30pm-04:25pm M, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Jones, Ramsey A, 4 cr
 505 DIS, 03:35pm-04:25pm Th, AmundH 162, instruction mode: Classroom
 21434 506 LAB, 08:00am-09:55am F, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Miller, Andrew S., 4 cr
 507 DIS, 03:35pm-04:25pm Th, VinH 364, instruction mode: Classroom
 21436 508 LAB, 10:10am-12:05pm F, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Martin, Peter Donovan, 4 cr
 509 DIS, 03:35pm-04:25pm Th, FolH 18, instruction mode: Classroom
 21438 510 LAB, 12:20pm-02:15pm W, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Stefansson, Ragnar, 4 cr
 511 DIS, 03:35pm-04:25pm Th, STSS 117, instruction mode: Classroom
 33765 1512 LAB, 06:50pm-08:45pm W, . LAB-TBA, instruction mode: Classroom, 4 cr
 513 DIS, 03:35pm-04:25pm Th, STSS 119, instruction mode: Classroom
 33767 514 LAB, 12:20pm-02:15pm W, . LAB-TBA, instruction mode: Classroom, 4 cr
 1520 DIS, 04:40pm-05:30pm Th, FordH 130, instruction mode: Classroom
 21441 1521 LAB, 06:50pm-08:45pm M, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Miller, Andrew S., 4 cr
 1522 DIS, 04:40pm-05:30pm Th, AmundH 124, instruction mode: Classroom
 21443 1523 LAB, 06:50pm-08:45pm M, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Stefansson, Ragnar, 4 cr
 1524 DIS, 04:40pm-05:30pm Th, STSS 123, instruction mode: Classroom
 21444 1525 LAB, 08:00am-09:55am T, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Jones, Ramsey A, 4 cr
 1526 DIS, 04:40pm-05:30pm Th, AmundH 156, instruction mode: Classroom
 21446 527 LAB, 10:10am-12:05pm F, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Costanzi, Barry Nicholas, 4 cr
 1528 DIS, 04:40pm-05:30pm Th, AmundH 120, instruction mode: Classroom
 21448 1529 LAB, 06:50pm-08:45pm Th, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Ask, Kali Christian, 4 cr
 1530 DIS, 04:40pm-05:30pm Th, STSS 117, instruction mode: Classroom
 33769 531 LAB, 02:30pm-04:25pm Th, . LAB-TBA, instruction mode: Classroom, 4 cr
 1532 DIS, 04:40pm-05:30pm Th, STSS 121, instruction mode: Classroom
 33771 533 LAB, 12:20pm-02:15pm Th, . LAB-TBA, instruction mode: Classroom, 4 cr
 1600 LEC, 05:45pm-07:25pm MW, WilleyH 125, instruction mode: Classroom; 3-hr common final exam; Capriotti, John David
 1601 DIS, 07:35pm-08:25pm M, AmundH 156, instruction mode: Classroom
 14074 602 LAB, 08:00am-09:55am T, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Luo, Shuhui, 4 cr
 1603 DIS, 07:35pm-08:25pm M, AmundH 124, instruction mode: Classroom
 15650 1604 LAB, 06:50pm-08:45pm T, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Lafer, Jared, 4 cr
 1605 DIS, 07:35pm-08:25pm M, AmundH 120, instruction mode: Classroom

15652 I606 LAB, 04:40pm-06:35pm Th, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; 2 seats reserved for non-PSEO, non-admitted student; Moen, Evan, 4 cr

1607 DIS, 07:35pm-08:25pm M, AmundH 116, instruction mode: Classroom

19226 608 LAB, 12:20pm-02:15pm F, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Crumrine, Mike, 4 cr

1609 DIS, 07:35pm-08:25pm M, STSS 420A, instruction mode: Classroom

33773 I610 LAB, 04:40pm-06:35pm Th, . LAB-TBA, instruction mode: Classroom, 4 cr

1611 DIS, 07:35pm-08:25pm M, STSS 119, instruction mode: Classroom

33775 I612 LAB, 06:50pm-08:45pm Th, . LAB-TBA, instruction mode: Classroom, 4 cr

1620 DIS, 08:35pm-09:25pm M, . ROOM-TBA, instruction mode: Classroom

14072 621 LAB, 12:20pm-02:15pm Th, . LAB-TBA, instruction mode: Classroom, 4 cr

1622 DIS, 08:35pm-09:25pm M, STSS 121, instruction mode: Classroom

22482 I623 LAB, 04:40pm-06:35pm T, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Lafer, Jared, 4 cr

1624 DIS, 08:35pm-09:25pm M, STSS 420A, instruction mode: Classroom

22484 I625 LAB, 06:50pm-08:45pm T, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Crumrine, Mike, 4 cr

1626 DIS, 08:35pm-09:25pm M, FordH 115, instruction mode: Classroom

15654 627 LAB, 12:20pm-02:15pm F, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; Moen, Evan, 4 cr

1628 DIS, 08:35pm-09:25pm M, FordH B80, instruction mode: Classroom

16792 629 LAB, 12:20pm-02:15pm M, . LAB-TBA, instruction mode: Classroom; 1 seat reserved for CSE and FRFY; 2 seats reserved for non-PSEO, non-admitted student; Luo, Shuhui, 4 cr

1630 DIS, 08:35pm-09:25pm M, STSS 119, instruction mode: Classroom

33779 631 LAB, 02:30pm-04:25pm W, . LAB-TBA, instruction mode: Classroom, 4 cr

1302W Introductory Physics for Science and Engineering II

(Credit will not be granted if credit has been received for: PHYS 1202W, PHYS 1402V, PHYS 1502V, PHYS 1282, PHYS 1382; prereq 1301W, Concurrent registration is required (or allowed) in Math 1272 or Math 1372 or Math 1572; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive)

100 LEC, 09:05am-09:55am MTWTF, WilleyH 125, instruction mode: Classroom; 3 hour Common Final; Haines, Paul M

101 DIS, 08:00am-08:50am Th, NichH 355, instruction mode: Classroom

20573 102 LAB, 02:30pm-04:25pm M, . LAB-TBA, instruction mode: Classroom; Li, Mengqun, 4 cr

103 DIS, 08:00am-08:50am Th, AkerH 317, instruction mode: Classroom

20575 104 LAB, 02:30pm-04:25pm W, . LAB-TBA, instruction mode: Classroom; Shaffer, Daniel, 4 cr

105 DIS, 08:00am-08:50am Th, AkerH 327, instruction mode: Classroom

20577 106 LAB, 11:15am-01:10pm T, . LAB-TBA, instruction mode: Classroom; Perrine, Natalie F, 4 cr

107 DIS, 08:00am-08:50am Th, AkerH 317, instruction mode: Classroom

20579 108 LAB, 10:10am-12:05pm Th, . LAB-TBA, instruction mode: Classroom; Garcia Garcia, Marcos Alejandro, 4 cr

109 DIS, 08:00am-08:50am Th, STSS 121, instruction mode: Classroom

33782 I110 LAB, 04:40pm-06:35pm W, . LAB-TBA, instruction mode: Classroom, 4 cr

111 DIS, 08:00am-08:50am Th, STSS 420A, instruction mode: Classroom

33784 I112 LAB, 04:40pm-06:35pm Th, . LAB-TBA, instruction mode: Classroom, 4 cr

113 DIS, 08:00am-08:50am Th, STSS 119, instruction mode: Classroom

33786 I114 LAB, 04:40pm-06:35pm T, . LAB-TBA, instruction mode: Classroom, 4 cr

33787 115 LAB, 08:00am-08:50am Th, . LAB-TBA, instruction mode: Classroom, 4 cr

33788 I116 LAB, 06:50pm-08:45pm M, . LAB-TBA, instruction mode: Classroom, 4 cr

131 DIS, 09:05am-09:55am Th, Room TBA, TCEASTBANK, instruction mode: Classroom

20581 132 LAB, 11:15am-01:10pm W, . LAB-TBA, instruction mode: Classroom; Garcia Garcia, Marcos Alejandro, 4 cr

135 DIS, 09:05am-09:55am Th, Room TBA, TCEASTBANK, instruction mode: Classroom

20585 136 LAB, 02:30pm-04:25pm Th, . LAB-TBA, instruction mode: Classroom; Shaffer, Daniel, 4 cr

137 DIS, 09:05am-09:55am Th, . ROOM-TBA, instruction mode: Classroom

25787 138 LAB, 02:30pm-04:25pm T, . LAB-TBA, instruction mode: Classroom, 4 cr

139 DIS, 10:10am-11:00am Th, STSS 119, instruction mode: Classroom

33790 140 LAB, 08:00am-09:55am Th, . LAB-TBA, instruction mode: Classroom, 4 cr

141 DIS, 09:05am-09:55am Th, STSS 512B, instruction mode: Classroom

33792 I142 LAB, 04:40pm-06:35pm M, . LAB-TBA, instruction mode: Classroom, 4 cr

143 DIS, 09:05am-09:55am Th, STSS 117, instruction mode: Classroom

33794 I144 LAB, 06:50pm-08:45pm T, . LAB-TBA, instruction mode: Classroom, 4 cr

145 DIS, 09:05am-09:55am Th, STSS 119, instruction mode: Classroom

33796 I146 LAB, 06:50pm-08:45pm W, . LAB-TBA, instruction mode: Classroom, 4 cr

1401V Honors Physics I

(Credit will not be granted if credit has been received for: PHYS 1201W, PHYS 1301W, PHYS 1501V, PHYS 1281, PHYS 1381; A-F; prereq honors student and permission of University Honors Program; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive; meets HON req of Honors)

001 LEC, 11:15am-12:05pm MTWF, WBU AUDITORIUM, instruction mode: Classroom; 3-hr final exam; Peloso, Marco

003 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Crowder, Gwynne

004 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; McQuinn, Kristen Brookes W.

005 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Haines, Paul M

006 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Crowder, Gwynne

007 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Haines, Paul M

22552 101 LAB, 12:20pm-02:15pm M, . LAB-TBA, instruction mode: Classroom; Meets with: 24106 PHYS 1501V; Dossa, Scott S, 4 cr

22554 102 LAB, 08:00am-09:55am Th, . LAB-TBA, instruction mode: Classroom; Meets with: 24107 PHYS 1501V; Barker, D'Ann, 4 cr

22556 103 LAB, 12:20pm-02:15pm W, . LAB-TBA, instruction mode: Classroom; Meets with: 24108 PHYS 1501V; Dossa, Scott S, 4 cr

22558 104 LAB, 02:30pm-04:25pm W, . LAB-TBA, instruction mode: Classroom; Meets with: 24109 PHYS 1501V; Dossa, Scott S, 4 cr

22560 105 LAB, 02:30pm-04:25pm M, . LAB-TBA, instruction mode: Classroom; Meets with: 24110 PHYS 1501V; Barker, D'Ann, 4 cr

22562 106 LAB, 08:00am-09:55am T, . LAB-TBA, instruction mode: Classroom; Meets with: 24111 PHYS 1501V; Harrison, David C, 4 cr

1501V Honors Introduction to Mechanics

(Credit will not be granted if credit has been received for: PHYS 1201W, PHYS 1301W, PHYS 1401V, PHYS 1281, PHYS 1381; A-F; prereq One year of high school physics, one year of college-level calculus (or a grade of 5 on the BC-level AP calculus exam), Honors, permission of UHP; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive; meets HON req of Honors)

001 LEC, 11:15am-12:05pm MTWTF, VinH 20, instruction mode: Classroom; 3 hour final; Crowell, Paul A

002 DIS, 11:15am-12:05pm Th, STSS 119, instruction mode: Classroom; Bayman, Benjamin F

003 DIS, 12:20pm-01:10pm Th, STSS 117, instruction mode: Classroom; Bayman, Benjamin F

24106 101 LAB, 12:20pm-02:15pm M, . LAB-TBA, instruction mode: Classroom; Meets with: 22552 PHYS 1401V; Dossa, Scott S, 4 cr

24107 102 LAB, 08:00am-09:55am Th, . LAB-TBA, instruction mode: Classroom; Meets with: 22554 PHYS 1401V; Barker, D'Ann, 4 cr

24108 103 LAB, 12:20pm-02:15pm W, . LAB-TBA, instruction mode: Classroom; Meets with: 22556 PHYS 1401V; Dossa, Scott S, 4 cr

24109 104 LAB, 02:30pm-04:25pm W, . LAB-TBA, instruction mode: Classroom; Meets with: 22558 PHYS 1401V; Dossa, Scott S, 4 cr

24110 105 LAB, 02:30pm-04:25pm M, . LAB-TBA, instruction mode: Classroom; Meets with: 22560 PHYS 1401V; Barker, D'Ann, 4 cr

24111 106 LAB, 08:00am-09:55am T, . LAB-TBA, instruction mode: Classroom; Meets with: 22562 PHYS 1401V; Harrison, David C, 4 cr

2201 Introductory Thermodynamics and Statistical Physics

(prereq [1302W or 1402V], [Concurrent registration is required (or allowed) in MATH 1272 or MATH 1372 or MATH 1572H])

18992 001 LEC, 09:05am-09:55am MWF, AmundH B75, instruction mode: Classroom; 3 hour final; Hanany, Shaul, 3 cr

2251 Physics II

(A-F only; prereq Grade of at least C- in [1251 or equiv], Grade of at least C- in [MATH 1171 or equiv]; meets CLE req of Physical Sciences)

001 LEC, 10:10am-11:00am MWF, 318Com 1, ROCHESTER, instruction mode: Classroom; Aryal, Bijaya; Hall, Eric Robert; Aanerud, Marian Elaine Melby

21785 002 LAB, 11:15am-12:05pm MWF, 318Com 1, ROCHESTER, instruction mode: Classroom; Aryal, Bijaya; Hall, Eric Robert; Aanerud, Marian Elaine Melby, 4 cr

2403H Honors Physics III

(Credit will not be granted if credit has been received for: PHYS 2303, PHYS 2503, PHYS 2503H; A-F; prereq 1402V, honors student and permission of University Honors Program; meets HON req of Honors)

001 LEC, instruction mode: Classroom; 3-hr final exam

22507 002 DIS, instruction mode: Classroom, 4 cr

19666 003 DIS, instruction mode: Classroom; By permission only from University Honors Program, 4 cr

22070 004 DIS, instruction mode: Classroom; By permission only from University Honors Program, 4 cr

2503 Physics III: Intro to Waves, Optics, and Special Relativity

(Credit will not be granted if credit has been received for: PHYS 2303, PHYS 2403H, PHYS 2503H; prereq 1302W, [MATH 1272 or MATH 1372 or MATH 1572H])

14727 001 LEC, 03:35pm-04:25pm MTWTF, WilleyH 125, instruction mode: Classroom; 3-hour final exam; Zudov, Michael, 4 cr

2503H Honors Physics III

(Credit will not be granted if credit has been received for: PHYS 2303, PHYS 2403H, PHYS 2503; A-F; prereq 1402V, honors student or permission of University Honors Program or instr consent; meets HON req of Honors)

001 LEC, 11:15am-12:05pm MTWTF, ApH 319, instruction mode: Classroom; Cushman, Priscilla Brooks

34974 002 DIS, 10:10am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom, 4 cr

34975 003 DIS, 11:15am-12:05pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Cushman, Priscilla Brooks, 4 cr

34976 004 DIS, 12:20pm-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Cushman, Priscilla Brooks, 4 cr

2605 Quantum Physics Laboratory

(prereq Concurrent registration is required (or allowed) in 2601)

001 LEC, 12:20pm-01:10pm T, PAN 110, instruction mode: Classroom; 3-hour final; Mans, Jeremiah M

26470 002 LAB, 09:00am-12:00pm Th, . LAB-TBA, instruction mode: Classroom; Mans, Jeremiah M, 3 cr

26471 003 LAB, 12:30pm-03:30pm Th, . LAB-TBA, instruction mode: Classroom, 3 cr

3071W Laboratory-Based Physics for Teachers

(prereq College algebra; no credit for CSE students; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive)

13262 001 LAB, 09:05am-12:05pm MW, STSS 131B, instruction mode: Classroom; 3-hr common final exam; Brehmer, Steven Lester; Taylor, Chaska S; Treweek, Noelle Alexandra, 4 cr

15213 002 LAB, 12:20pm-03:20pm MW, STSS 131B, instruction mode: Classroom; 3-hr common final exam; Brehmer, Steven Lester; Blessinger, Emily, 4 cr

3993 Directed Studies

(max crs 10; 10 repeats allowed; prereq instr consent, dept consent)

11262 001 IND, instruction mode: Classroom, 1-5 cr

3994 Directed Research

(max crs 10; 10 repeats allowed; prereq instr consent, dept consent)

11266 001 IND, instruction mode: Classroom, 1-5 cr

4001 Analytical Mechanics

(prereq [2303 or 2601 or Chem 3501 or Chem 3502], two sems soph math)

100 LEC, 01:25pm-02:15pm MWF, . ROOM-TBA, instruction mode: Classroom; 3 hour final exam; Campbell, Charles E
18989 101 DIS, 01:25pm-02:15pm T, . ROOM-TBA, instruction mode: Classroom; Bychkov, Vladimir, 4 cr
18990 102 DIS, 12:20pm-01:10pm T, . ROOM-TBA, instruction mode: Classroom; Hennen, Jared, 4 cr
19190 103 DIS, 01:25pm-02:15pm T, . ROOM-TBA, instruction mode: Classroom; Savich, Yahor M, 4 cr
20900 104 DIS, 12:20pm-01:10pm T, . ROOM-TBA, instruction mode: Classroom; Bychkov, Vladimir, 4 cr
34529 204 DIS, 01:25pm-02:15pm Th, . ROOM-TBA, instruction mode: Classroom, 4 cr

4041 Computational Methods in the Physical Sciences

(prereq Upper div or grad student or instr consent)
25722 001 LAB, 08:00am-08:50am MTWTh, PAN 120, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg; Meets with: 25354 AST 4101; Jones, Thomas Walter; Vinals, Jorge, 4 cr

4051 Methods of Experimental Physics I (prereq Concurrent registration is required (or allowed) in 2605 or equiv lab experience or instr consent)

001 LEC, 02:30pm-03:20pm MWF, . ROOM-TBA, instruction mode: Classroom; 3 Hr Final Exam; Mueller, Joachim
10792 002 LAB, 10:10am-12:05pm MW, . LAB-TBA, instruction mode: Classroom; Sobek, Joe, 5 cr
10793 003 LAB, 03:35pm-05:30pm MW, . LAB-TBA, instruction mode: Classroom; Geach, Christopher Peter, 5 cr
10794 004 LAB, 02:30pm-04:25pm TTh, . LAB-TBA, instruction mode: Classroom; Reid, Andrew Scott, 5 cr
17326 005 LAB, 10:10am-12:05pm TTh, . LAB-TBA, instruction mode: Classroom; Reid, Andrew Scott, 5 cr

4101 Quantum Mechanics

(prereq [2303 or 2601 or Chem 3502], two sems soph math)
001 LEC, 11:15am-12:05pm MWF, . ROOM-TBA, instruction mode: Classroom; 3 Hr Final Exam; Cronin-Hennessy, Daniel P
15279 002 DIS, 11:15am-12:05pm T, STSS 119, instruction mode: Classroom; Dixon, Morgan K, 4 cr
15280 003 DIS, 10:10am-11:00am T, Room TBA, TCEASTBANK, instruction mode: Classroom; Dixon, Morgan K, 4 cr
22508 004 DIS, 11:15am-12:05pm T, STSS 117, instruction mode: Classroom; Kalafut, Sean, 4 cr
23995 005 DIS, 10:10am-11:00am T, . ROOM-TBA, instruction mode: Classroom, 4 cr

4201 Statistical and Thermal Physics (prereq 2601)

14667 001 LEC, 10:10am-11:00am MWF, PAN 110, instruction mode: Classroom; 3 hr Final Exam

4303 Electrodynamics and Waves

(prereq 4001, 4002)
15648 001 LEC, 09:05am-09:55am MWF, PAN 120, instruction mode: Classroom; 3 hour final

4501 Experimental Project

(max crs 5; prereq 4052, instr consent)
10813 001 IND, instruction mode: Classroom, 1-5 cr

4611 Introduction to Space Physics

(prereq [4001, 4002] or equiv or instr consent)
34514 001 LEC, 09:00am-10:15am TTh, PAN 110, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg, 3 cr

4950H Senior Thesis

(max crs 6; S-N only; prereq instr consent; meets HON req of Honors)
15301 001 IND, instruction mode: Classroom, 1-3 cr

4993 Directed Studies

(max crs 10; 10 repeats allowed; prereq instr consent)
17133 001 IND, instruction mode: Classroom, 1-5 cr

4994 Directed Research

(max crs 10; 10 repeats allowed; prereq instr consent)
17134 001 IND, instruction mode: Classroom, 1-5 cr

5001 Quantum Mechanics I

(prereq 4101 or equiv or instr consent)
001 LEC, 11:15am-12:30pm MW, PAN 120, instruction mode: Classroom; 3-hr final exam
18574 002 DIS, 11:15am-12:05pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Buyukdag, Yusuf, 4 cr
18575 003 DIS, 12:20pm-01:10pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Kalafut, Sean, 4 cr

5011 Classical Physics I

(prereq 4001, 4002 or instr consent)
11274 001 LEC, 01:25pm-03:20pm TTh, PAN 120, instruction mode: Classroom; 3-hr final exam

5072 Best Practices in College Physics Teaching

(max crs 5; 3 repeats allowed)
17988 001 DIS, 03:35pm-04:25pm M, PAN 210, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg; Haines, Paul M; Kubota, Yuichi, 1-3 cr

5201 Thermal and Statistical Physics

(A-F only; prereq [[4101, 4201] or equiv] previous exposure to thermodynamics, introductory statistical physics)
15277 001 LEC, 10:30am-11:45am TTh, PAN 110, instruction mode: Classroom; 3 Hr Final Exam

5401 Physiological Physics

(prereq One semester of introductory calculus-based physics, such as PHYS1301W. Students not sure if they meet prerequisites should consult instructor.)
25711 001 LEC, 02:30pm-04:25pm MW, KHKH 3-115, instruction mode: Classroom; Broadhurst, John Henry, 4 cr
26443 883 LEC, 02:30pm-04:25pm MW, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING. For computer requirements and registration forms see WWW.UNITE.UMN.EDU. Registration will be through UNITE Distributed Learning; which means a service fee of \$100/per credit will be added to a student's University account along with tuition & college fees. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332, 4 cr

5950 Colloquium Seminar

(S-N only; prereq [Grad student or advanced undergrad in physics], dept consent)
11267 001 LEC, 03:35pm-04:25pm Th, . ROOM-TBA, instruction mode: Classroom, 1 cr

5970 Physics Journal Club

(max crs 3; S-N; prereq 2601, 2605 or equiv; intended for 2nd-yr grad students in physics)
20555 001 LEC, 03:35pm-04:25pm F, PAN 210, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg, 1-3 cr

5980 Introduction to Research Seminar

(max crs 3; 3 repeats allowed; S-N only; prereq Grad or upper div phys major)
11264 1001 LEC, 04:40pm-05:30pm F, . NORMREQD, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg; Burnell, Fiona Joy, 1 cr

5993 Directed Studies

(max crs 15; 15 repeats allowed; prereq instr consent , dept consent)
11263 001 IND, instruction mode: Classroom, 1-5 cr

5994 Directed Research

(max crs 15; 15 repeats allowed; prereq Jr, dept consent)
11265 001 IND, instruction mode: Classroom, 1-5 cr

8001 Advanced Quantum Mechanics

(prereq 5002 or instr consent)
11283 001 LEC, 11:15am-12:30pm MW, PAN 210, instruction mode: Classroom; 3 Hr Final exam

8012 Quantum Field Theory II

(prereq 8011 or instr consent)
14069 001 LEC, 09:00am-10:15am TTh, PAN 210, instruction mode: Classroom; 3 hr final exam

8200 Seminar: Cosmology and High Energy Astrophysics

(max crs 6; 6 repeats allowed; S-N only; prereq instr consent)
16881 001 LEC, 12:45pm-02:00pm M, . NORMREQD, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg, 1 cr

8300 Seminar: Biological and Medical Physics.

(max crs 6; 6 repeats allowed; S-N only; prereq instr consent)

23929 001 LEC, 10:10am-11:00am T, PAN 120, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg, 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
14004 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14140 001 IND, instruction mode: Classroom, 1 cr

8500 Plan B Project

(prereq instr consent ; may be taken once to satisfy Plan B master's project requirement; no cr toward PhD)
11281 001 IND, instruction mode: Classroom, 4 cr

8501 General Relativity and Cosmology I (prereq 5012 or instr consent)

34522 001 LEC, 11:55am-01:10pm TTh, PAN 210, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg, 3 cr

8600 Seminar: Space Physics

(max crs 6; 6 repeats allowed; S-N only)
11277 001 LEC, 10:10am-11:00am F, . NORMREQD, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14255 001 IND, instruction mode: Classroom, 1-6 cr

8700 Seminar: Condensed Matter Physics

(max crs 6; 6 repeats allowed; S-N only; prereq instr consent)
11278 001 LEC, 12:20pm-02:15pm F, . NORMREQD, 01:25pm-02:15pm M, STSS 119, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg, 1 cr

8711 Solid-State Physics I

(prereq 4211, 5002 or instr consent)
11275 1001 LEC, 04:40pm-05:55pm TTh, PAN 210, instruction mode: Classroom; 3 hour final exam.

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14337 001 IND, instruction mode: Classroom, 1-18 cr

8800 Seminar: Nuclear Physics

(max crs 6; 6 repeats allowed; S-N only)
11279 001 LEC, 11:15am-12:15pm F, . NORMREQD, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg, 1 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
26802 001 LEC, instruction mode: Classroom, 1-24 cr

8900 Seminar: Elementary Particle Physics

(max crs 6; 6 repeats allowed; S-N only)
11280 001 LEC, 03:35pm-04:25pm W, PAN 210, instruction mode: Classroom; Class will meet in Physics and Nanotechnology Bldg, 1 cr

8901 Elementary Particle Physics I

(prereq 8001 or instr consent)
11276 1001 LEC, 04:40pm-05:55pm MW, PAN 210, instruction mode: Classroom; 3 Hr Final Exam

8994 Research in Physics

(max crs 24; 24 repeats allowed; prereq instr consent)
11282 001 IND, instruction mode: Classroom, 1-12 cr

PHYSIOLOGY (Phsl)

6-125 Jackson Hall, 321 Church Street S.E., East Bank Campus, Minneapolis, MN, 55455
612/625-5902, <http://physiology.med.umn.edu>

3051 Human Physiology

(Credit will not be granted if credit has been received for: PHSL 3050; prereq [BIOL 1009 or 1 yr college bio], 1 yr college chem)

- 001 LEC, 10:10am-11:00am MWF, BellMus 100, instruction mode: Classroom; Anderson PhD, Lisa Carney; Barnett, Vincent A.; Keirstead, Susan Alice
- 12326 002 LAB, 08:00am-09:55am T, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 15753 PHSL 3051; Anderson PhD, Lisa Carney; Keirstead, Susan Alice, 4 cr
- 15498 003 LAB, 10:10am-12:05pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 16822 PHSL 3051; Anderson PhD, Lisa Carney; Keirstead, Susan Alice, 4 cr
- 15753 004 LAB, 08:00am-09:55am T, Room TBA, TCEASTBANK, instruction mode: Classroom; Nursing students only; 36 seats reserved for Nursing undergrad; Meets with: 12326 PHSL 3051; Anderson PhD, Lisa Carney; Keirstead, Susan Alice, 4 cr
- 16822 005 LAB, 10:10am-12:05pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Nursing students only; 36 seats reserved for Nursing undergrad; Meets with: 15498 PHSL 3051; Anderson PhD, Lisa Carney; Keirstead, Susan Alice, 4 cr
- 19806 006 LAB, 12:20pm-02:15pm W, MoosT 3-110, instruction mode: Classroom; 36 seats reserved for Nursing undergrad; Keirstead, Susan Alice; Anderson PhD, Lisa Carney, 4 cr

3061 Principles of Physiology

(prereq 1 year college chem and physics and math through integral calculus)

- 12321 001 LEC, 10:10am-11:00am MWThF, KHKH 3-210, instruction mode: Classroom; Psl majors only; 82 seats reserved for Psl major; Meets with: 12323 PHSL 5061, 17194 PHSL 3061, 20744 PHSL 3061; Levitt, David George; Anderson PhD, Lisa Carney; Katz, Stephen A.; Wangenstein, Douglas; Iaizzo PhD, Paul Anthony; Barnett, Vincent A, 4 cr
- 17194 002 LEC, 10:10am-11:00am MWThF, KHKH 3-210, instruction mode: Classroom; Non Psl majors, Non BME majors; Meets with: 12321 PHSL 3061, 12323 PHSL 5061, 20744 PHSL 3061; Levitt, David George; Anderson PhD, Lisa Carney; Katz, Stephen A.; Wangenstein, Douglas; Iaizzo PhD, Paul Anthony; Barnett, Vincent A, 4 cr
- 20744 003 LEC, 10:10am-11:00am MWThF, KHKH 3-210, instruction mode: Classroom; BME Undergraduates only; 60 seats reserved for BMEN upper div; Meets with: 12321 PHSL 3061, 12323 PHSL 5061, 17194 PHSL 3061; Levitt, David George; Anderson PhD, Lisa Carney; Katz, Stephen A.; Wangenstein, Douglas; Iaizzo PhD, Paul Anthony; Barnett, Vincent A, 4 cr

3062W Research Paper for Physiology

Majors

(A-F only; prereq Concurrent registration is required (or allowed) in 3061, physiology major, 1 yr [college chem, physics], math through integral calculus; meets CLE req of Writing Intensive)

- 17240 001 IND, 10:10am-11:00am T, Room TBA, TCEASTBANK, instruction mode: Independent/Directed Studies; Barnett, Vincent A, 1 cr

3095 Problems in Physiology

(max crs 20; 20 repeats allowed; prereq Concurrent registration is required (or allowed) in college physiology, instr consent)

- 16157 001 IND, instruction mode: Classroom; Barnett, Vincent A, 1-5 cr

3701 Physiology Laboratory

(Credit will not be granted if credit has been received for: BMEN 3701, PHSL 3063; A-F only; prereq Physiology major)

- 15101 001 LAB, 01:25pm-04:25pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; PHSL 3701, Sections 1 and 3 meet together and Sections 2 and 4 meet together; both in Moos 3-110; 33 seats reserved for Psl major; Meets with: 20745 PHSL 3701; Iaizzo PhD, Paul Anthony, 2 cr
- 15102 002 LAB, 01:25pm-04:25pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; PHSL 3701, Sections 1 and 3 meet together and Sections 2 and 4 meet together; both in Moos 3-110; 45 seats reserved for Psl major; Meets with: 20746 PHSL 3701; Iaizzo PhD, Paul Anthony, 2 cr
- 20745 003 LAB, 01:25pm-04:25pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; BMEN majors only. PHSL 3701, Sections 1 and 3 meet together and Sections 2 and 4 meet together; both in Moos 3-110; 45 seats reserved for BMEN upper div; Meets with: 15101 PHSL 3701; Iaizzo PhD, Paul Anthony, 2 cr
- 20746 004 LAB, 01:25pm-04:25pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; BMEN majors only. PHSL 3701, Sections 1 and 3 meet together

and Sections 2 and 4 meet together; both in Moos 3-110; 43 seats reserved for BMEN upper div; Meets with: 15102 PHSL 3701; Iaizzo PhD, Paul Anthony, 2 cr

4095H Honors Problems in Physiology

(max crs 4; A-F only; meets HON req of Honors)

- 12310 001 IND, instruction mode: Classroom; Barnett, Vincent A, 2-4 cr

4700 Cell Physiology

(A-F only; prereq [3051 or 3061 or BIOL 3211], [CHEM 1022 or equiv], [MATH 1272 or equiv])

- 22713 001 LEC, 10:40am-11:30am MWF, HckrH 205, STPAUL, instruction mode: Partially Online; Meets with: 19992 ANSC 5700, 20047 PHSL 5700; O'Grady PhD, Scott M; Palmer PhD, Melissa L, 3 cr

4900 Advanced Physiology Teaching

Laboratory

(max crs 12; A-F; prereq [3051 or [3061, 3071]], instr consent)

- 20747 001 LAB, 12:20pm-01:10pm M, MoosT 3-110, instruction mode: Classroom; Anderson PhD, Lisa Carney; Katz, Stephen A., 1-6 cr

5061 Principles of Physiology for

Biomedical Engineering

(prereq Biomedical engineering grad, one yr college chem and physics and math through integral calculus)

- 12323 001 LEC, 10:10am-11:00am MWThF, KHKH 3-210, instruction mode: Classroom; Meets with: 12321 PHSL 3061, 17194 PHSL 3061, 20744 PHSL 3061; Levitt, David George; Anderson PhD, Lisa Carney; Katz, Stephen A.; Wangenstein, Douglas; Iaizzo PhD, Paul Anthony; Barnett, Vincent A, 4 cr
- 15864 883 LEC, 10:10am-11:00am MWThF, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Instruction Mode : Web based, online course. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be through UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees. (\$100/per credit). Registration form(S) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332 or 1-877-668-6483. SECTION NOT CLOSED -- JUST MEANS REGISTRATION MUST BE PROCESSED THROUGH UNITE DISTRIBUTED LEARNING; Levitt, David George; Anderson PhD, Lisa Carney; Wangenstein, Douglas; Barnett, Vincent A; Iaizzo PhD, Paul Anthony; Katz, Stephen A., 4 cr

5094 Research in Physiology

(max crs 20; 20 repeats allowed; prereq instr consent)

- 13167 001 IND, instruction mode: Classroom; Barnett, Vincent A, 1-5 cr
- 14587 002 IND, instruction mode: Classroom; Katz, Stephen A., 1-5 cr

5095 Problems in Physiology

(max crs 20; 20 repeats allowed; prereq instr consent)

- 12324 001 IND, instruction mode: Classroom, 1-5 cr
- 14588 002 IND, instruction mode: Classroom; Katz, Stephen A., 1-5 cr

5096 Integrative Biology and Physiology

Research Advances

(max crs 4; 4 repeats allowed; S-N; prereq instr consent)

- 23091 001 LEC, 12:00pm-01:00pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Bartolomucci, Alessandro; Townsend DVM, DeWayne, 1 cr

5115 Clinical Physiology I

(A-F only; prereq instr consent)

- 15822 001 LEC, 12:20pm-03:20pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; This course is suitable for nursing anesthesia and undergraduate students who have had a physiology course. Prerequisite is instructor permission.; Anderson PhD, Lisa Carney, 3 cr

5700 Cell Physiology

(A-F; prereq [Two semesters of physics/chemistry, calculus, one semester of systems-level physiology] or instr consent)

- 001 LEC, 10:40am-11:30am MWF, HckrH 205, STPAUL, instruction mode: Partially Online; Meets with: 19992 ANSC 5700, 22713 PHSL 4700; O'Grady PhD, Scott M; Palmer PhD, Melissa L
- 20048 002 DIS, instruction mode: Classroom; O'Grady PhD, Scott M, 4 cr

5701 Physiology Laboratory

(max crs 2; A-F only; prereq instr consent)

- 15103 001 LAB, instruction mode: Classroom; Katz, Stephen A., 1-2 cr

8216 Selected Topics in Autonomic and

Neuroendocrine Regulation

(S-N only)

- 16719 001 LEC, instruction mode: Classroom; Meets with: 13674 NSC 8216; Engeland, William C; Osborn Jr, John W, 1 cr

8222 Central Regulation of Autonomic

Function

(A-F only; prereq NSC 5561 or instr consent)

- 16184 001 DIS, instruction mode: Classroom; Engeland, William C; Osborn Jr, John W, 3 cr

8294 Research in Physiology

(max crs 18; prereq Grad cellular and integrative Psl major, instr consent)

- 12352 001 IND, instruction mode: Classroom, 1-18 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

- 14003 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

- 14139 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

- 14254 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

- 14336 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

- 13771 001 IND, instruction mode: Classroom, 1-24 cr

PLANT BIOLOGICAL SCIENCES (PBS)

250 Biological Sciences, 1445 Gortner Avenue, St Paul Campus, St Paul, MN, 55108

612/625-4222, <http://www.cbs.umn.edu/plantbio/gradprog/>

8081 Integrative Plant Biology: Connecting

Molecules to Ecosystems

(A-F; prereq Plant biological sciences grad student or instr consent)

- 17102 001 IND, 10:15am-11:30am TTh, BioSci 257, STPAUL, instruction mode: Classroom, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

- 17111 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

- 17109 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

- 17110 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

17112 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Passed prelim oral or adviser approval)

17108 001 IND, instruction mode: Classroom, 1-24 cr

8900 Seminar

(max crs 4; 4 repeats allowed; S-N only)

17113 001 LEC, 03:15pm-04:45pm T, KaufL 302, STPAUL, instruction mode: Classroom, 1-2 cr

17115 003 LEC, 11:45am-12:35pm F, Cargill 105, STPAUL, instruction mode: Classroom; meets Fridays; time TBA; Gibson, Sue, 1-2 cr

8901 Preparation of Research Proposals

(S-N; prereq Plant biological sciences PhD student)

18480 001 LEC, instruction mode: Classroom; Day and Time TBA; May, Georgiana; Lefebvre, Paul A, 1 cr

8993 Directed Studies

(max crs 15; 15 repeats allowed; prereq PBio grad student, instr consent)

17105 001 IND, instruction mode: Classroom; This course is directed studies; independent with student and faculty. This does require a permission number., 1-5 cr

8994 Research

(max crs 10; 10 repeats allowed; prereq PBio grad student, instr consent)

17107 001 IND, instruction mode: Classroom; This is an independent directed research course between faculty and student. It does require a permission number.; Gibson, Sue, 1-5 cr

PLANT BIOLOGY (PBio)

220 Biological Sciences Center, 1445 Gortner Ave, St Paul Campus, St Paul, MN, 55108
612/625-1234, www.cbs.umn.edu/plantbio/

1212 Plant Biotechnology and Society

(max crs 6; meets CLE req of Technology and Society)

23650 001 LEC, 11:15am-12:30pm MW, STSS 121, instruction mode: Classroom; Lefebvre, Paul A, 3 cr

4321 Minnesota Flora

(prereq One semester college biology)

25382 002 LAB, 10:40am-12:35pm TTh, BioSci 176, STPAUL, instruction mode: Classroom; Weiblen, George D; Treiber, Erin L, 3 cr

25383 003 LAB, 01:55pm-03:50pm TTh, BioSci 176, STPAUL, instruction mode: Classroom; Treiber, Erin L, 3 cr

4511 Flowering Plant Diversity

(prereq BIOL 1001 or 1009 or 1009H or 2002)

001 LEC, 10:40am-11:30am MW, HodsonH 490, STPAUL, instruction mode: Classroom; Weiblen, George D

32964 002 LAB, 11:00am-02:00pm F, . ROOM-TBA, STPAUL, instruction mode: Classroom; Weiblen, George D, 3 cr

32963 003 LAB, 02:30pm-05:30pm F, . ROOM-TBA, STPAUL, instruction mode: Classroom; Weiblen, George D, 3 cr

4793W Directed Studies: Writing Intensive

(max crs 7; 7 repeats allowed; S-N only; prereq instr consent; meets CLE req of Writing Intensive)

14405 001 IND, instruction mode: Classroom, 1-7 cr

4794W Directed Research: Writing Intensive

(max crs 42; 7 repeats allowed; S-N only; prereq instr consent ; dept consent; meets CLE req of Writing Intensive)

14406 001 IND, instruction mode: Classroom, 1-6 cr

4993 Directed Studies

(max crs 7; 7 repeats allowed; S-N only; prereq instr consent)

12941 001 IND, instruction mode: Classroom, 1-7 cr

4994 Directed Research

(max crs 42; 7 repeats allowed; S-N only; prereq instr consent)

12942 001 IND, instruction mode: Classroom; Katagiri, Fumiaki, 1-6 cr

5301 Plant Genomics

(Credit will not be granted if credit has been received for: PLPA 5301; prereq [Intro course in genetics, intro course in biochemistry] or instr consent)

13414 001 LEC, 01:30pm-02:45pm TTh, BorH 365, STPAUL, instruction mode: Classroom; Meets with: 17098 PLPA 5301; Young, Nevin Dale, 3 cr

5412 Plant Physiology

(prereq Biol 2022 or Biol 3002 or Biol 3007, Biol/BioC 3021 or BioC 4331)

13424 001 LEC, 09:45am-11:00am MW, BioSci 257, STPAUL, instruction mode: Classroom; Ni, Min, 3 cr

5960 Special Topics

(max crs 18; 6 repeats allowed)

15509 001 LEC, instruction mode: Classroom; PBS Itasca Orientation. You MUST be a PBS Graduate Student to register for this course.; meets ITAS req of Itasca; Gibson, Sue, 1-3 cr

PLANT PATHOLOGY (PIPA)

495 Borlaug Hall, 1991 Upper Buford Circle, St Paul Campus, St Paul, MN, 55108
612/625-8200, <http://pipa.cfans.umn.edu>

1005 Plants Get Sick Too

(meets CLE req of Biological Sciences)

1001 LEC, 05:10pm-06:00pm T, BorH 335, STPAUL, instruction mode: Classroom; Kurle PhD, James E. 15608 I002 LAB, 06:15pm-08:10pm T, PlntGrwth 136, STPAUL, instruction mode: Classroom; Kurle PhD, James E., 4 cr

17234 003 LAB, 03:00pm-04:55pm W, PlntGrwth 136, STPAUL, instruction mode: Classroom; Kurle PhD, James E., 4 cr

17235 004 LAB, 03:00pm-04:55pm Th, PlntGrwth 136, STPAUL, instruction mode: Classroom; Kurle PhD, James E., 4 cr

1942 Topics: Freshman Seminar

(A-F only; prereq Fr; meets CLE req of Technology and Society)

33900 001 LEC, 01:00pm-02:15pm TTh, STSS 119, instruction mode: Classroom; Kinkel, Linda Lee; Ishimaru PhD, Carol A; Salomon, Christine, 3 cr; Antibiotics: Promise, Profits, and Pitfalls

2003 Plague, Famine, and Beer: The Impact of Microscopic Organisms on Human Civilization

(meets CLE req of Historical Perspectives)

24155 001 LEC, 10:15am-11:30am TTh, BorH 365, STPAUL, instruction mode: Classroom; Arenz, Brett Evan, 3 cr

3090 Research in Plant Pathology

(max crs 4)

16170 001 IND, instruction mode: Classroom; Dill-Macky, Ruth, 1-4 cr

4096 Professional Experience Program: Internship

(max crs 6; 6 repeats allowed; S-N only; prereq COAFES undergrad, complete internship contract available in COAFES Career Services before registering; UC only)

12857 001 FWK, instruction mode: Classroom; Blanchette, Robert A, 1-3 cr

5090 Issues in Plant Pathology

(max crs 4)

16171 001 IND, instruction mode: Classroom; Arenz, Brett Evan; Blanchette, Robert A, 1-4 cr

5203 Introduction to Fungal Biology

(prereq BIOL 1009 or equiv)

24886 002 LAB, 09:35am-11:30am Th, BorH 295, STPAUL, instruction mode: Classroom; Bates, Scott Thomas, 3 cr

5301 Plant Genomics

(Credit will not be granted if credit has been received for: PBIO 5301; prereq Intro course in genetics or instr consent)

17098 001 LEC, 01:30pm-02:45pm TTh, BorH 365, STPAUL, instruction mode: Classroom; Meets with: 13414 PBIO 5301; Young, Nevin Dale, 3 cr

5444 Ecology, Epidemiology, and Evolutionary Biology of Plant-Microbe Interactions

(A-F only; prereq Intro plant pathology or advanced biology coursework recommended)

001 LEC, 01:00pm-02:15pm MW, BorH 491, STPAUL, instruction mode: Classroom; Kinkel, Linda Lee

23662 002 DIS, 02:30pm-03:20pm W, BorH 491, STPAUL, instruction mode: Classroom; Kinkel, Linda Lee, 3 cr

5480 Principles of Plant Pathology

(prereq BIOL 1009 or equiv)

001 LEC, 08:30am-09:25am MW, BorH 491, STPAUL, instruction mode: Classroom; Arenz, Brett Evan

21016 002 LAB, 09:35am-11:30am M, PlntGrwth 136, STPAUL, instruction mode: Classroom; Arenz, Brett Evan, 3 cr

5999 Special Topics in Plant Pathology

(max crs 8)

24693 001 LAB, instruction mode: Classroom; Blanchette, Robert A, 1-8 cr

8090 Advanced Procedures and Research in Plant Pathology

(max crs 8)

13184 001 LEC, instruction mode: Classroom; Kurle PhD, James E., 1-8 cr; Teaching Experience

14559 002 LEC, instruction mode: Classroom; Blanchette, Robert A, 1-8 cr

8200 Seminar

(A-F)

12022 001 LEC, 02:30pm-04:00pm M, BorH 365, STPAUL, instruction mode: Classroom; Bradeen, James M, 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14005 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14141 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14256 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14338 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13772 001 IND, instruction mode: Classroom, 1-24 cr

POLISH (Plsh)

320 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5684, <http://www.sll.umn.edu>

3001 Intermediate Polish

(Credit will not be granted if credit has been received for: PLSH 4103; prereq 1102 or equiv)

32625 I001 DIS, 06:10pm-09:30pm W, FolH 12, instruction mode: Classroom; Meets with: 32626 PLSH 4103, 5 cr

4103 Intermediate Polish

(Credit will not be granted if credit has been received for: PLSH 3001; prereq 4102, [fourth sem course in another language or grad student])

32626 I001 DIS, 06:10pm-09:30pm W, FolH 12, instruction mode: Classroom; Meets with: 32625 PLSH 3001, 3 cr

POLITICAL SCIENCE (PoI)

1414 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-4144, <http://www.polisci.umn.edu>

1001 American Democracy in a Changing World

(meets CLE req of Social Sciences)

17480 001 LEC, 09:45am-11:00am MW, BlegH 250, instruction mode: Classroom; Myers, C. Daniel, 4 cr

18405 002 LEC, 01:00pm-02:15pm TTh, BlegH 10, instruction mode: Classroom; Abernathy, Scott F, 4 cr

1025 Global Politics

(Credit will not be granted if credit has been received for: POL 1025H; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

11586 001 LEC, 11:15am-12:05pm MWF, AndH 330, instruction mode: Classroom; 2 seats reserved for non-PSEO, non-admitted student; Freeman, John Roy, 4 cr

1054 Puzzles in World Politics

(meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

11569 001 LEC, 11:15am-12:30pm TTh, BlegH 250, instruction mode: Classroom; Samuels, David Julian, 4 cr

1201 Political Ideas and Ideologies

(meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives)

11527 001 LEC, 02:30pm-03:45pm TTh, AndH 350, instruction mode: Classroom; Tronto, Joan C, 4 cr
13901 002 LEC, 04:00pm-05:15pm MW, BlegH 150, instruction mode: Classroom; 3 seats reserved for non-PSEO, non-admitted student, 4 cr

1905 Freshman Seminar

(prereq Fr)

25752 002 LEC, 01:00pm-02:15pm MW, SocSci 278, instruction mode: Classroom; E Pluribus Unum? The States, the Feds, and the Contested Meaning of American Federalism; Karch, Andrew Jonathan, 3 cr
25905 003 LEC, 02:30pm-05:00pm T, HHHctr 184, instruction mode: Classroom; Whose Community? The Politics of Violence against Women; Kelliher, Daniel R, 3 cr
34055 004 LEC, 09:45am-12:15pm T, CarlSMgmt L-118, instruction mode: Classroom; The Perils and Promises of Community; Tronto, Joan C, 3 cr

3080 Faculty-Supervised Individual Internships

(max crs 15; 3 repeats allowed; A-F only; prereq instr consent, dept consent)

11526 001 FWK, instruction mode: Classroom; Soper, Paul W, 3-13 cr

3085H Honors Course: Quantitative**Analysis in Political Science**

(A-F; prereq Honors student; meets CLE req of Mathematical Thinking; meets HON req of Honors)

001 LEC, 08:15am-09:30am TTh, . NORMREQD, instruction mode: Classroom; Bagozzi, Benjamin E
34057 002 LAB, 01:00pm-01:50pm T, BlegH 440, instruction mode: Classroom, 4 cr

3110H Honors Thesis Credits

(max crs 4; 4 repeats allowed; A-F; prereq 3109, pol sci, honors, dept consent; meets HON req of Honors)

11726 001 IND, instruction mode: Classroom, 1-4 cr

3225 American Political Thought

(prereq Suggested prerequisite POL 1201; meets CLE req of Civic Life and Ethics)

23665 001 LEC, 11:15am-12:05pm MWF, BlegH 150, instruction mode: Classroom; Soper, Paul W, 3 cr

3265 Ideas and Protest in French Postwar Thought

(meets CLE req of Arts/Humanities; meets CLE req of Civic Life and Ethics)

34058 001 LEC, 04:00pm-05:15pm TTh, BlegH 155, instruction mode: Classroom; Luxon, Nancy, 3 cr

3308 Congressional Politics and Institutions

(Credit will not be granted if credit has been received for: POL 4308, POL 5308; meets CLE req of Social Sciences)

34059 001 LEC, 01:00pm-02:15pm TTh, BlegH 250, instruction mode: Classroom; Pearson, Kathryn Lynn, 3 cr

3309 Justice in America

(prereq 1001 or 1002 or instr consent)

25597 001 LEC, 08:15am-09:30am MW, BlegH 150, instruction mode: Classroom, 3 cr

3310 Topics in American Politics

(max crs 6)

34062 002 LEC, 06:20pm-08:50pm Th, BlegH 150, instruction mode: Classroom; Conspiracies, Rumors and Misinformation; Miller, Joanne Marie, 3 cr; Conspiracies, Rumors, and Misinformation

3317 Food Politics: Actors, Arenas, and Agendas

(A-F only; meets CLE req of Social Sciences)

26116 001 LEC, 02:30pm-03:45pm TTh, BlegH 155, STPAUL, instruction mode: Classroom; Rahn, Wendy Marie, 3 cr

3319 Education and the American Dream

(A-F only; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences)

25599 001 LEC, 04:00pm-05:15pm TTh, BlegH 150, instruction mode: Classroom; Abernathy, Scott F, 3 cr

3321 Issues in American Public Policy

34066 001 LEC, 09:45am-11:00am MW, BlegH 150, instruction mode: Classroom; Karch, Andrew Jonathan, 3 cr

3489W Citizens, Consumers, and Corporations

(Credit will not be granted if credit already received for: POL 4489W; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

18958 001 LEC, 06:20pm-08:50pm T, BlegH 235, instruction mode: Classroom; Caraway, Teri L, 3 cr

3733 From Suffragettes to Senators:**Gender, Politics & Policy in the U.S.**

(A-F only; meets CLE req of Diversity and Soc Justice US)

34073 001 LEC, 02:30pm-03:45pm TTh, BlegH 235, instruction mode: Classroom, 3 cr

3739 Politics of Race, Class, and Ethnicity

11584 001 LEC, 06:20pm-08:50pm M, BlegH 120, instruction mode: Classroom; 5 seats reserved for non-PSEO, non-admitted student; Nimitz Jr, August H, 3 cr

3766 Political Psychology of Mass**Behavior**

(meets CLE req of Social Sciences)

21290 001 LEC, 11:15am-12:30pm TTh, AndH 230, instruction mode: Classroom; Lavine, Howard G, 3 cr

3767 Political Psychology of Elite Behavior

(meets CLE req of Civic Life and Ethics)

34077 001 LEC, 01:00pm-02:15pm MW, BlegH 255, instruction mode: Classroom; Myers, C. Daniel, 3 cr

3833 The United States and the Global**Economy**

25602 001 LEC, 01:00pm-02:15pm MW, BlegH 317, instruction mode: Classroom; Hollyer, James, 3 cr

3835 International Relations

(meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

11521 001 LEC, 11:15am-12:05pm MWF, AndH 230, instruction mode: Classroom; Duvall, Raymond D, 3 cr

4210 Topics in Political Theory

(max crs 9; 3 repeats allowed; A-F only)

34078 002 LEC, 04:00pm-05:15pm TTh, BlegH 330, instruction mode: Classroom; What is Politics? Imagined Communities; Luxon, Nancy, 3 cr
34914 003 LEC, 09:45am-11:00am TTh, BlegH 260, instruction mode: Classroom; Professor Robert Nichols: "Imperialism and Modern Political Theory", 3 cr

4403W Constitutions, Democracy, and**Rights: Comparative Perspectives**

(meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

34079 001 LEC, 02:30pm-03:45pm TTh, BlegH 130, instruction mode: Classroom; Hilbink, Lisa, 3 cr

4463 The Cuban Revolution Through the**Words of Cuban Revolutionaries**

(prereq 1025 or 1054 or equiv; meets CLE req of Global Perspectives)

34080 001 LEC, 06:20pm-08:50pm W, BlegH 210, instruction mode: Classroom; Nimitz Jr, August H, 3 cr

4473W Chinese Politics

(Credit will not be granted if credit has been received for: AMIN 4525W, POL 4525W; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

20320 001 LEC, 09:45am-11:00am TTh, HHHctr 25, instruction mode: Classroom; Kelliher, Daniel R, 3 cr

4481 Governments and Markets

(Credit will not be granted if credit has been received for: POL 3481H; max crs 4; prereq 1054 or instr consent)

34081 001 LEC, 11:15am-12:30pm TTh, BlegH 150, instruction mode: Classroom; Freeman, John Roy, 3-4 cr

4485 Human Rights and Democracy in the World

(Credit will not be granted if credit has been received for: POL 5485; prereq One 1xxx or 3xxx course in pol sci; meets CLE req of Civic Life and Ethics)

34083 001 LEC, 06:20pm-08:50pm T, BlegH 130, instruction mode: Classroom; Ron, James, 3 cr

4495 Politics of Family, Sex, and Children

(A-F only; meets CLE req of Diversity and Soc Justice US)

25608 001 LEC, 01:00pm-02:15pm TTh, AndH 250, instruction mode: Classroom; Kelliher, Daniel R, 3 cr

4501W The Supreme Court and Constitutional Interpretation

(Credit will not be granted if credit has been received for: POL 5487; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)

10535 001 LEC, 08:15am-09:30am TTh, BlegH 120, instruction mode: Classroom; Johnson, Timothy Russell, 3 cr

4771 Racial Attitudes and Intergroup Conflict

34084 001 LEC, 09:45am-11:00am TTh, BlegH 235, instruction mode: Classroom; Federico, Christopher Michael, 3 cr

4885W International Conflict and Security

(Credit will not be granted if credit has been received for: POL 5885; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

23668 001 DIS, 06:20pm-08:50pm T, BlegH 120, instruction mode: Classroom; Krebs, Ronald R, 4 cr

4900V Honors: Senior Paper

(A-F only; prereq Honors, pol sr, instr consent; meets HON req of Honors)

15198 001 LEC, instruction mode: Classroom, 1 cr

4900W Senior Paper

(A-F only; prereq Pol sr, instr consent; meets CLE req of Writing Intensive)

13602 001 LEC, instruction mode: Classroom, 1 cr

4970 Individual Reading and Research

(max crs 4)

13467 001 IND, instruction mode: Classroom, 1-4 cr

8060 Research Proseminar in Political Science

(max crs 8; 4 repeats allowed; S-N; prereq Pol sci grad student)

25656 001 LEC W, SocSci 1314, instruction mode: Classroom; Comparative Political Studies Journal Seminar; Samuels, David Julian, 2 cr
24132 002 LEC, 11:15am-12:45pm T, SocSci 1183, instruction mode: Classroom; Law and Society Review: Journal Editing Seminar; Meets with: 23901 SOC 8090; Savelsberg, Joachim J; Johnson, Timothy Russell, 2 cr

8106 Quantitative Political Science I

(prereq political science grad major or instr consent)

22448 001 LEC, 11:00am-12:55pm T, SocSci 1383, instruction mode: Classroom; Every other Friday POL 8106 will meet in the Political Science Computer Lab for a lab portion from 3:30-5:15pm.; Goren, Paul Nurullah, 3 cr

8160 Topics in Models and Methods

(max crs 12; 4 repeats allowed; prereq Grad pol sci major or instr consent)

21302 001 LEC, 03:35pm-05:20pm M, SocSci 1383, instruction mode: Classroom; Maximum Likelihood Estimation (MLE); Bagozzi, Benjamin E, 3 cr
25659 002 LEC, 01:25pm-03:20pm W, SocSci 1383, instruction mode: Classroom; Qualitative Methods; Soss, Joe, 3 cr
25658 003 LEC, 03:35pm-05:20pm Th, SocSci 1383, instruction mode: Classroom; Advanced Game Theory; Hollyer, James, 3 cr
34127 004 LEC, 11:00am-12:55pm F, HHHctr 20, instruction mode: Classroom; ITV; Freeman, John Roy, 3 cr

8260 Topics in Political Theory

(max crs 6; prereq Grad pol sci major or instr consent)

22201 001 LEC, 03:35pm-05:20pm M, CarlSMgmt 1-122, instruction mode: Classroom; Reading Foucault in Contexts; Luxon, Nancy, 3 cr

34128 002 LEC Th, SocSci 1383, instruction mode: Classroom; Professor Robert Nichols: "Imperialism", 3 cr

8301 American Politics

(prereq Grad pol sci major or instr consent)
34130 001 LEC, 11:00am-12:55pm W, SocSci 1383, instruction mode: Classroom; Lavine, Howard G; Pearson, Kathryn Lynn, 3 cr

8307 Proseminar in Political Psychology I

(Credit will not be granted if credit has been received for: PSY 8211; S-N only; prereq Grad pol sci major or pol psych minor or instr consent)
11585 001 LEC, instruction mode: Classroom; Meets with: 15609 PSY 8211; Lavine, Howard G; Borgida, Eugene, 2 cr

8401 International Relations

(prereq Grad pol sci major or dept consent)
34132 001 LEC, 01:25pm-03:20pm Th, SocSci 1383, instruction mode: Classroom; Krebs, Ronald R, 3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14142 001 IND, instruction mode: Classroom, 1 cr

8601 Introduction to Comparative Politics

(prereq Grad pol sci major)
34133 001 DIS, 05:35pm-07:20pm W, SocSci 1383, instruction mode: Classroom; Caraway, Teri L., 3 cr

8660 Topics in Comparative Politics

(max crs 9; 3 repeats allowed; prereq Grad pol sci major or instr consent)
22199 001 LEC, 01:25pm-03:20pm T, BlegH 330, instruction mode: Classroom; Political Parties; Samuels, David Julian, 3 cr
25662 002 LEC, 03:35pm-05:20pm F, SocSci 1383, instruction mode: Classroom; Religion and Politics; Meets with: 26845 POL 8460; Collins, Kathleen A, 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral, up to 24 combined cr, permission number required for registration, doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14257 001 IND, instruction mode: Classroom, 1-6 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13773 001 IND, instruction mode: Classroom, 1-24 cr

8990 Directed Readings and Research in Political Science

(max crs 7; 7 repeats allowed; prereq 16 cr 8xxx pol sci courses, instr consent, dept consent)
11706 001 IND, instruction mode: Classroom, 1-7 cr

PORTUGUESE (Port)

214 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5858, <http://spanport.cla.umn.edu>

1101 Beginning Portuguese

15551 001 LEC, 09:05am-09:55am MTWTh, FolH 106, 09:05am-09:55am F, . NORMREQD, instruction mode: Classroom, 5 cr

1103 Intermediate Portuguese

(prereq 1102 or instr consent)
12262 001 LEC, 10:10am-11:00am MTWTh, FolH 106, 10:10am-11:00am F, FolH 105, instruction mode: Classroom, 5 cr

3001 Portuguese for Spanish Speakers

(prereq [SPAN 1004 or SPAN 1014 or SPAN 1044, SPAN LPE pass] or instr consent)
14959 001 LEC, 10:10am-12:05pm MW, PeikH 155, instruction mode: Classroom; 3 seats reserved for Spanish-Portuguese mjrs, 4 cr
18329 002 LEC, 02:30pm-04:25pm MW, FolH 3, instruction mode: Classroom; 3 seats reserved for Spanish-Portuguese mjrs, 4 cr
22490 003 LEC, 12:20pm-02:15pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; 3 seats reserved for Spanish-Portuguese mjrs, 4 cr

3003 Portuguese Conversation and Composition

(prereq 1104 or 3001 or Port LPE)
11795 001 DIS, 10:10am-12:05pm MW, PeikH 315, instruction mode: Classroom, 4 cr

3501W Global Portuguese: 1300-1900

(prereq 3003; meets CLE req of Writing Intensive)
22491 001 LEC, 08:15am-09:30am TTh, FolH 8, instruction mode: Classroom; , 3 cr

3920 Topics in Lusophone Cultures

(max crs 9; 3 repeats allowed; prereq [1101, 1102, 1103, 1104] or [3001, 3003] or equiv)
34679 001 LEC, 11:15am-12:30pm MW, FolH 104, instruction mode: Classroom; Beal, Sophia Funkhouser, 3 cr

5930 Topics in Brazilian Literature

(max crs 9; 3 repeats allowed)
27420 001 LEC, 02:30pm-05:30pm W, FolH 107, instruction mode: Classroom; Beal, Sophia Funkhouser, 3 cr

5970 Directed Readings

(max crs 9; 9 repeats allowed)
20620 001 IND, instruction mode: Independent/Directed Studies; Ferreira, Ana Paula, 1-4 cr

5990 Directed Research

(max crs 9; 9 repeats allowed)
17043 001 IND, instruction mode: Classroom, 1-4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
14006 001 IND, instruction mode: Classroom, 1 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14339 001 IND, instruction mode: Classroom, 1-18 cr

POSTSECONDARY TEACHING AND LEARNING (PSTL)

206 Burton Hall, 178 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/626-8705, <http://cehd.umn.edu/PsTL/>

722 Introductory Algebra (Computer)

(prereq [4 cr equiv], General Math Placement Test; credit will not be granted if credit received for: 0616, 0617, 0621, 0712, 0713, 0716, 0717, 0721, 1435)
19154 001 LEC, 01:25pm-03:20pm MW, ApH 302, instruction mode: Classroom; Meets with: 19156 PSTL 732, 19158 PSTL 1571; Robertson, Douglas Frederick, 0 cr
19403 002 LEC, 08:00am-09:55am TTh, ApH 302, instruction mode: Classroom; Meets with: 19157 PSTL 732, 19433 PSTL 1571; Robertson, Douglas Frederick, 0 cr
20085 003 LEC, 12:20pm-02:15pm TTh, ApH 302, instruction mode: Classroom; Meets with: 20084 PSTL 732, 22232 PSTL 1571; Robertson, Douglas Frederick, 0 cr
22225 004 LEC, 09/08/15-01/15/16, instruction mode: Correspondence; This is an on-line correspondence section. The instructor will contact you prior to the start of the term with details about the course.; Robertson, Douglas Frederick, 0 cr

732 Intermediate Algebra (Computer)

(Credit will not be granted if credit has been received for: PSTL 731; prereq 4 cr equiv or grade of at least C in [0713 or 0717 or 0721 or 0722] or General Math Placement Test; credit will not be granted if credit received for: 0618, 0625, 0631, 0731, 1443, 1444, 1445, 1446)
19156 001 LEC, 01:25pm-03:20pm MW, ApH 302, instruction mode: Classroom; Meets with: 19154 PSTL 722, 19158 PSTL 1571; Robertson, Douglas Frederick, 0 cr
19157 002 LEC, 08:00am-09:55am TTh, ApH 302, instruction mode: Classroom; Meets with: 19403 PSTL 722, 19433 PSTL 1571; Robertson, Douglas Frederick, 0 cr
20084 003 LEC, 12:20pm-02:15pm TTh, ApH 302, instruction mode: Classroom; Meets with: 20085 PSTL 722, 22232 PSTL 1571; Robertson, Douglas Frederick, 0 cr
22226 004 LEC, 09/08/15-01/15/16, instruction mode: Correspondence; This is an on-line correspondence section. The instructor will contact you prior to the start of the term with details about the course.; Robertson, Douglas Frederick, 0 cr

1004 Statistics: Understanding and Applying Data

(prereq Intermediate algebra or equiv or placement exam; credit will not be granted if credit received for:

GC 1454 or Stat 1001; meets CLE req of Mathematical Thinking)

11095 001 LEC, 11:15am-01:10pm MW, ApH 302, instruction mode: Classroom; No CLA students with 60+ credits; Duranczyk, Irene Mary, 4 cr

1006 College Algebra through Modeling

(Credit will not be granted if credit has been received for: MATH 1031, MATH 1051; prereq Three yrs high school math or grade of at least C+ in 0731 or 0732 or placement test score or instr consent; meets CLE req of Mathematical Thinking)
19150 001 LEC, 01:00pm-02:15pm MW, ApH 128, instruction mode: Classroom; Stottlemeyer, Janet, 3 cr
19151 002 LEC, 02:30pm-03:45pm MW, ApH 128, instruction mode: Classroom; Stottlemeyer, Janet, 3 cr
19152 003 LEC, 11:15am-12:30pm TTh, PeikH 325, instruction mode: Classroom; Stottlemeyer, Janet, 3 cr

1051 Editing for Writers

19854 001 LEC, 10:10am-12:05pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; 24 seats reserved for CEHD CET College Engl; Trites, Jill K, 2 cr
22227 002 LEC, 10:10am-12:05pm Th, FolH 112, instruction mode: Classroom; 24 seats reserved for CEHD CET College Engl; Trites, Jill K, 2 cr

1081 Integrated Learning in the Social Sciences

(max crs 4; A-F; prereq Concurrent registration in social science course, adviser approval)
12415 001 LEC, 01:25pm-02:15pm MW, ApH 226, instruction mode: Classroom; TRIO/CET ONLY; Concurrent enrollment in PsTL 1281-005 required.; 24 seats reserved for TRIO/CET; Bovornusvakool, Witsinee, 2 cr

1082 Integrated Reading in the Sciences

(max crs 6; 3 repeats allowed; A-F; prereq Concurrent registration in science course, adviser approval)
12416 001 LEC, 12:20pm-01:10pm MW, ApH 11, instruction mode: Classroom; TRIO/CET ONLY; Concurrent registration in PsTL 1131 required.; 24 seats reserved for TRIO/CET; Fox, Laura J, 2 cr
19114 002 LEC, 01:25pm-02:15pm MW, ApH 223, instruction mode: Classroom; TRIO/CET ONLY; Concurrent registration in PsTL 1131 required.; 24 seats reserved for TRIO/CET; Fox, Laura J, 2 cr

1112 Nature in the City

(credit will not be granted if credit received for: GC 1112, GC 1112W; meets CLE req of Biological Sciences; meets CLE req of Environment)
001 LEC, 12:20pm-01:10pm MW, ApH 3, 09/08/15-10/26/15, instruction mode: Classroom; Hatch, Jay Tudor
20529 002 LAB, 01:25pm-04:10pm MW, PeikH 225, 09/08/15-10/26/15, instruction mode: Classroom; Hatch, Jay Tudor, 4 cr
003 LEC, 12:20pm-01:10pm TTh, PeikH 165, 09/08/15-10/26/15, instruction mode: Classroom; Kroese, Jesse D
26483 004 LAB, 01:25pm-04:10pm TTh, Room TBA, TCEASTBANK, 09/08/15-10/26/15, instruction mode: Classroom; Kroese, Jesse D, 4 cr

1131 Principles of Biological Science

(meets CLE req of Biological Sciences)
001 LEC, 08:15am-09:30am TTh, STSS 114, instruction mode: Classroom; No CLA students with 60+ credits; Hatch, Jay Tudor
18945 002 LAB, 10:10am-12:05pm T, ApH 309, instruction mode: Classroom; No CLA students with 60+ credits; 7 seats reserved for NTRS (New, 1st year TRIO); Hatch, Jay Tudor, 4 cr
18946 003 LAB, 12:20pm-02:15pm T, ApH 309, instruction mode: Classroom; No CLA students with 60+ credits; 7 seats reserved for NTRS (New, 1st year TRIO); Hatch, Jay Tudor, 4 cr
18947 004 LAB, 02:30pm-04:25pm T, ApH 309, instruction mode: Classroom; No CLA students with 60+ credits; 7 seats reserved for NTRS (New, 1st year TRIO); Hatch, Jay Tudor, 4 cr
18948 005 LAB, 08:00am-09:55am W, ApH 309, instruction mode: Classroom; No CLA students with 60+ credits; Hatch, Jay Tudor, 4 cr
18949 006 LAB, 10:10am-12:05pm W, ApH 309, instruction mode: Classroom; No CLA students with 60+ credits; 7 seats reserved for NTRS (New, 1st year TRIO); Hatch, Jay Tudor, 4 cr
18950 007 LAB, 12:20pm-02:15pm W, ApH 309, instruction mode: Classroom; No CLA students with 60+ credits; Hatch, Jay Tudor, 4 cr
19670 008 LAB, 02:30pm-04:25pm W, ApH 309, instruction mode: Classroom; No CLA students with 60+ credits; Hatch, Jay Tudor, 4 cr
19671 009 LAB, 10:10am-12:05pm Th, ApH 309, instruction mode: Classroom; No CLA students with 60+ credits; 7

seats reserved for NTRS (New, 1st year TRIO); Hatch, Jay Tudor, 4 cr
 19672 010 LAB, 12:20pm-02:15pm Th, ApH 309, instruction mode: Classroom; No CLA students with 60+ credits; 7 seats reserved for NTRS (New, 1st year TRIO); Hatch, Jay Tudor, 4 cr
 23730 011 LAB, 12:20pm-02:15pm F, ApH 309, instruction mode: Classroom; No CLA students with 60+ credits; 7 seats reserved for NTRS (New, 1st year TRIO); Hatch, Jay Tudor, 4 cr

1135 Essentials of Human Anatomy and Physiology

(credit will not be granted if credit received for: GC 1135; meets CLE req of Biological Sciences)

001 LEC, 01:00pm-02:15pm MW, STSS 330, instruction mode: Classroom; No CLA students with 60+ credits; Jensen, Murray Stowe
 21294 002 LAB, 10:10am-12:05pm T, ApH 311, instruction mode: Classroom; No CLA students with 60+ credits; Jensen, Murray Stowe, 4 cr
 21295 003 LAB, 12:20pm-02:15pm T, ApH 311, instruction mode: Classroom; No CLA students with 60+ credits; Jensen, Murray Stowe, 4 cr
 21296 004 LAB, 02:30pm-04:25pm T, ApH 311, instruction mode: Classroom; No CLA students with 60+ credits; Jensen, Murray Stowe, 4 cr
 21297 005 LAB, 10:10am-12:05pm W, ApH 311, instruction mode: Classroom; No CLA students with 60+ credits; Jensen, Murray Stowe, 4 cr
 21298 006 LAB, 02:30pm-04:25pm W, ApH 311, instruction mode: Classroom; No CLA students with 60+ credits; Jensen, Murray Stowe, 4 cr
 21299 007 LAB, 10:10am-12:05pm Th, ApH 311, instruction mode: Classroom; No CLA students with 60+ credits; Jensen, Murray Stowe, 4 cr
 21300 008 LAB, 12:20pm-02:15pm Th, ApH 311, instruction mode: Classroom; No CLA students with 60+ credits; Jensen, Murray Stowe, 4 cr
 25110 009 LAB, 12:20pm-02:15pm F, ApH 311, instruction mode: Classroom; No CLA students with 60+ credits; Jensen, Murray Stowe; Franko, Jennifer Lee; Phillips, Katherine Norelle, 4 cr

1163 Physics by Inquiry

(credit will not be granted if credit received for: GC 1163; meets CLE req of Physical Sciences)

20292 001 LEC, 02:30pm-04:25pm MW, STSS 144, instruction mode: Classroom; No CLA students with 60+ credits; meets CLE req of Environment; Straub, Miranda Christine P, 4 cr
 31505 002 LAB, 02:30pm-04:25pm TTh, STSS 131B, instruction mode: Classroom; No CLA students with 60+ credits; Straub, Miranda Christine P, 4 cr

1204 Ways of Knowing in the Social Sciences

(A-F only; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences)

25111 001 LEC, instruction mode: Correspondence; This is an online course. The instructor will contact you with more information about the course prior to the start of the term. No CLA students with 60+ credits; Detzner, Dan, 4 cr

1231 America's Past and Present:

Multicultural Perspectives
 (meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives)

20296 001 LEC, 09:05am-11:00am TTh, BlegH 135, instruction mode: Classroom; No CLA students with 60+ credits; Woodbury, Shawn Michael, 4 cr
 26479 002 LEC, 01:25pm-03:20pm TTh, MCB 2-122, instruction mode: Classroom; No CLA students with 60+ credits; Woodbury, Shawn Michael, 4 cr

1251 Forces of Modern Historical Change: Global Perspectives

(credit will not be granted if credit received for: GC 1251; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives)

15105 001 LEC, 11:15am-01:10pm MW, STSS 131A, instruction mode: Classroom; No CLA students; Arendale, David R, 4 cr
 25114 002 LEC, 01:25pm-03:20pm MW, STSS 131A, instruction mode: Classroom; No CLA students; Arendale, David R, 4 cr

1281 Principles of Psychology

(Credit will not be granted if credit has been received for: PSY 1001, PSY 1001H; prereq Have not received college credit for intro psych; meets CLE req of Social Sciences)

001 LEC, 11:15am-12:05pm MW, NichH 155, instruction mode: Classroom; No CLA students with 60+ credits; Wambach, Cathrine A

11022 002 LAB, 10:10am-11:00am TTh, ApH 128, instruction mode: Classroom; No CLA students with 60+ credits; Wambach, Cathrine A, 4 cr
 11023 003 LAB, 11:15am-12:05pm TTh, ApH 128, instruction mode: Classroom; No CLA students with 60+ credits; Wambach, Cathrine A, 4 cr
 19673 004 LAB, 12:20pm-01:10pm TTh, ApH 128, instruction mode: Classroom; No CLA students with 60+ credits; Wambach, Cathrine A, 4 cr
 31506 005 LEC, 12:20pm-02:15pm TTh, STSS 131B, instruction mode: Classroom; No CLA students with 60+ credits; 24 seats reserved for CEHD TRIO/CET; Grier-Reed, Tabitha LaShaun, 4 cr

1312 Creating Identities Through Art and Performance

(meets CLE req of Arts/Humanities)

17244 001 LEC, 10:10am-12:05pm MW, ApH 201, instruction mode: Classroom; No CLA students with 60+ credits; Frederickson, Tina, 4 cr
 19289 002 LEC, 12:20pm-02:15pm MW, ApH 201, instruction mode: Classroom; No CLA students with 60+ credits; Frederickson, Tina, 4 cr
 19768 003 LEC, 11:15am-01:10pm TTh, ApH 201, instruction mode: Classroom; No CLA students with 60+ credits; Dorsey, Heather Jane, 4 cr
 19802 004 LEC, 01:25pm-03:20pm TTh, ApH 201, instruction mode: Classroom; No CLA students with 60+ credits; Buturian, Linda J, 4 cr

1365W Stories of Self and Community:

Multicultural Perspectives

(Credit will not be granted if credit has been received for: PSTL 1366; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive)

21301 001 LEC, 11:15am-01:10pm TTh, STSS 420B, instruction mode: Classroom; No CLA students; Hyland, Ezra St, 4 cr

1366 Stories of Self and Community:

Multicultural Perspectives

(Credit will not be granted if credit has been received for: PSTL 1365W; meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature)

19674 001 LEC, 11:15am-12:30pm MW, STSS 432A, instruction mode: Classroom; No CLA students; Hyland, Ezra St, 3 cr
 20293 002 LEC, 01:00pm-02:15pm MW, STSS 432A, instruction mode: Classroom; No CLA students; Hyland, Ezra St, 3 cr
 23733 003 LEC, 01:00pm-02:15pm TTh, ApH 219, instruction mode: Classroom; No CLA students; Peter, Gary E, 3 cr

1368 Stories of Social Change: Global

Perspectives

(Credit will not be granted if credit has been received for: PSTL 1367W; meets CLE req of Global Perspectives; meets CLE req of Literature)

21460 001 LEC, 02:30pm-03:45pm MW, ApH 319, instruction mode: Classroom; No CLA students; Hodne, Barbara Downs, 3 cr
 26478 002 LEC, instruction mode: Correspondence; This course is completely online. The course syllabus and instructions will be sent to you prior to the beginning of the term. No CLA students; Winters, Kelly T, 3 cr
 34313 003 LEC, instruction mode: Correspondence; This course is completely online. The course syllabus and instructions will be sent to you prior to the beginning of the term. No CLA students; Winters, Kelly T, 3 cr

1461 Multicultural Perspectives in Public Speaking

(Credit will not be granted if credit has been received for: RHET 1223, COMM 1101, COMM 1101H; credit will not be granted if credit received for: COMM 1101, COMM 1101H, GC 1461; meets CLE req of Civic Life and Ethics)

18941 001 DIS, 08:00am-08:50am MWF, WullH 220, instruction mode: Classroom; No CLA students with 60+ credits; 4 seats reserved for CEHD CET College Engl; Trites, Jill K, 3 cr
 18942 002 DIS, 11:15am-12:05pm MWF, PeikH 335, instruction mode: Classroom; No CLA students with 60+ credits; 4 seats reserved for CEHD CET College Engl; Trites, Jill K, 3 cr
 18943 003 DIS, 01:00pm-02:15pm MW, PeikH 335, instruction mode: Classroom; No CLA students with 60+ credits; 4 seats reserved for CEHD CET College Engl; Dorsey, Heather Jane, 3 cr
 19675 004 DIS, 02:30pm-03:45pm MW, PeikH 335, instruction mode: Classroom; No CLA students with 60+ credits; Dorsey, Heather Jane, 3 cr
 23737 005 DIS, 01:00pm-02:15pm TTh, PeikH 335, instruction mode: Classroom; No CLA students with 60+

credits; 4 seats reserved for CEHD CET College Engl; Frederickson, Tina, 3 cr

1525V First-Year Inquiry: Multidisciplinary Ways of Knowing

(A-F; prereq CEHD student, honors, 1st-term fr; meets CLE req of Writing Intensive; meets HON req of Honors)

001 LEC, 09:45am-11:00am F, AndH 330, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19166 PSTL 1525W; Harrison, K.C.; Stahl, Jason Michael
 20906 002 DIS, 08:15am-09:30am MW, STSS 512A, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19167 PSTL 1525W; Harrison, K.C., 4 cr
 25113 003 DIS, 08:15am-09:30am MW, PeikH 335, instruction mode: Classroom; Meets with: 25112 PSTL 1525W; Stahl, Jason Michael, 4 cr
 20907 004 DIS, 09:45am-11:00am MW, STSS 512A, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19259 PSTL 1525W; Harrison, K.C., 4 cr
 20908 005 DIS, 09:45am-11:00am MW, WullH 220, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19260 PSTL 1525W; Stahl, Jason Michael, 4 cr
 006 LEC, 09:45am-11:00am F, NichH 155, instruction mode: Classroom; Meets with: 22248 PSTL 1525W; Stebleton, Michael J; Staats, Susan K
 20909 007 DIS, 08:15am-09:30am MW, STSS 432A, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19261 PSTL 1525W; Stebleton, Michael J, 4 cr
 20910 008 DIS, 08:15am-09:30am MW, STSS 512B, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19262 PSTL 1525W; Staats, Susan K, 4 cr
 20911 009 DIS, 09:45am-11:00am MW, STSS 432A, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19263 PSTL 1525W; Stebleton, Michael J, 4 cr
 20912 010 DIS, 09:45am-11:00am MW, STSS 512B, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19264 PSTL 1525W; Staats, Susan K, 4 cr
 011 LEC, 09:45am-11:00am F, STSS 312, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19265 PSTL 1525W; Kelly, Margaret Ellen Delehanty; Cory, Kris
 20914 012 DIS, 08:15am-09:30am MW, STSS 432B, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19266 PSTL 1525W; Kelly, Margaret Ellen Delehanty, 4 cr
 20915 013 DIS, 09:45am-11:00am MW, STSS 432B, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19267 PSTL 1525W; Kelly, Margaret Ellen Delehanty, 4 cr
 20916 014 DIS, 09:45am-11:00am MW, PeikH 335, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19268 PSTL 1525W; Cory, Kris, 4 cr
 015 LEC, 09:45am-11:00am F, STSS 330, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19269 PSTL 1525W; Loch, Suzanne Yvette; Rojas Collins, Molly C
 20918 016 DIS, 08:15am-09:30am TTh, STSS 512A, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19270 PSTL 1525W; Rojas Collins, Molly C, 4 cr
 20919 017 DIS, 08:15am-09:30am TTh, STSS 432A, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19271 PSTL 1525W; Loch, Suzanne Yvette, 4 cr
 20920 018 DIS, 09:45am-11:00am TTh, STSS 512A, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 19272 PSTL 1525W; Rojas Collins, Molly C, 4 cr
 22340 020 DIS, 09:45am-11:00am TTh, STSS 432A, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 22353 PSTL 1525W; Loch, Suzanne Yvette, 4 cr
 22341 021 DIS, 08:15am-09:30am TTh, STSS 432B, 09:45am-11:00am F, STSS 432B, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 22354 PSTL 1525W; Poch, Robert Karl, 4 cr
 22342 022 DIS, 09:45am-11:00am TTh, STSS 432B, 09:45am-11:00am F, STSS 432A, instruction mode: Classroom; CEHD Freshman Honors students only.; Meets with: 22355 PSTL 1525W; Jehangir PhD, Rashne Rustom, 4 cr

1525W First-Year Inquiry: Multidisciplinary Ways of Knowing

(A-F; meets CLE req of Writing Intensive)

001 LEC, 09:45am-11:00am F, AndH 330, instruction mode: Classroom; Meets with: 20763 PSTL 1525V; Harrison, K.C.; Stahl, Jason Michael

19167 002 DIS, 08:15am-09:30am MW, STSS 512A, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20906 PSTL 1525V; Harrison, K.C., 4 cr

25112 003 DIS, 08:15am-09:30am MW, PeikH 335, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 25113 PSTL 1525V; Stahl, Jason Michael, 4 cr

19259 004 DIS, 09:45am-11:00am MW, STSS 512A, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20907 PSTL 1525V; Harrison, K.C., 4 cr

19260 005 DIS, 09:45am-11:00am MW, WulH 220, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20908 PSTL 1525V; Stahl, Jason Michael, 4 cr

006 LEC, 09:45am-11:00am F, NichH 155, instruction mode: Classroom; Meets with: 22247 PSTL 1525V; Stebleton, Michael J; Staats, Susan K

19261 007 DIS, 08:15am-09:30am MW, STSS 432A, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20909 PSTL 1525V; Stebleton, Michael J, 4 cr

19262 008 DIS, 08:15am-09:30am MW, STSS 512B, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20910 PSTL 1525V; Staats, Susan K, 4 cr

19263 009 DIS, 09:45am-11:00am MW, STSS 432A, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20911 PSTL 1525V; Stebleton, Michael J, 4 cr

19264 010 DIS, 09:45am-11:00am MW, STSS 512B, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20912 PSTL 1525V; Staats, Susan K, 4 cr

011 LEC, 09:45am-11:00am F, STSS 312, instruction mode: Classroom; Meets with: 20913 PSTL 1525V; Kelly, Margaret Ellen Delehanty; Cory, Kris

19266 012 DIS, 08:15am-09:30am MW, STSS 432B, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20914 PSTL 1525V; Kelly, Margaret Ellen Delehanty, 4 cr

19267 013 DIS, 09:45am-11:00am MW, STSS 432B, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20915 PSTL 1525V; Kelly, Margaret Ellen Delehanty, 4 cr

19268 014 DIS, 09:45am-11:00am MW, PeikH 335, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20916 PSTL 1525V; Cory, Kris, 4 cr

015 LEC, 09:45am-11:00am F, STSS 330, instruction mode: Classroom; Meets with: 20917 PSTL 1525V; Loch, Suzanne Yvette; Rojas Collins, Molly C

19270 016 DIS, 08:15am-09:30am TTh, STSS 512A, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20918 PSTL 1525V; Rojas Collins, Molly C, 4 cr

19271 017 DIS, 08:15am-09:30am TTh, STSS 432A, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20919 PSTL 1525V; Loch, Suzanne Yvette, 4 cr

19272 018 DIS, 09:45am-11:00am TTh, STSS 512A, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 20920 PSTL 1525V; Rojas Collins, Molly C, 4 cr

22353 020 DIS, 09:45am-11:00am TTh, STSS 432A, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 22340 PSTL 1525V; Loch, Suzanne Yvette, 4 cr

22354 021 DIS, 08:15am-09:30am TTh, STSS 432B, 09:45am-11:00am F, STSS 432B, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 22341 PSTL 1525V; Poch, Robert Karl, 4 cr

22355 022 DIS, 09:45am-11:00am TTh, STSS 432B, 09:45am-11:00am F, STSS 432A, instruction mode: Classroom; 3 seats reserved for TRIO/CET; 23 seats reserved for CEHD, fr first term; Meets with: 22342 PSTL 1525V; Jehangir PhD, Rashne Rustom, 4 cr

1571 Computer Literacy and Problem Solving
(Credit will not be granted if credit has been received for: RM 1203; credit cannot be granted if credit has already been received for: 1573, or 1574)

19158 001 LAB, 01:25pm-03:20pm MW, ApH 302, instruction mode: Classroom; 10 seats reserved for CEHD student; Meets with: 19154 PSTL 722, 19156 PSTL 732; Robertson, Douglas Frederick, 4 cr

19433 002 LAB, 08:00am-09:55am TTh, ApH 302, instruction mode: Classroom; 10 seats reserved for CEHD student; Meets with: 19157 PSTL 732, 19403 PSTL 722; Robertson, Douglas Frederick, 4 cr

22232 003 LAB, 12:20pm-02:15pm TTh, ApH 302, instruction mode: Classroom; 10 seats reserved for CEHD student; Meets with: 20084 PSTL 732, 20085 PSTL 722; Robertson, Douglas Frederick, 4 cr

23712 004 LAB, instruction mode: Primarily Online; This section is primarily online. Course requires Windows computer (PC) with printer and internet connection, and MS Word 2013, MS Excel 2013, MS Access 2013, and MS PowerPoint 2013. Students must come to campus to take 2 midterm exams and the final exam. The instructor will contact you with details about the course prior to the start of the term.; Robertson, Douglas Frederick, 4 cr

1942 Freshman Seminar: Technology and Society
(prereq Fr; meets CLE req of Technology and Society)
22276 001 LEC, 11:15am-12:30pm MW, STSS 420B, instruction mode: Classroom; Jensen, Murray Stowe, 3 cr

1993 Directed Study
(max crs 8)
12417 001 IND, instruction mode: Independent/Directed Studies; Science, 1-8 cr
12418 002 IND, instruction mode: Independent/Directed Studies; Social Science; , 1-8 cr
12419 003 IND, instruction mode: Classroom; Humanities, 1-8 cr
12420 004 IND, instruction mode: Independent/Directed Studies; Reading, Writing, and Communication; , 1-8 cr
12421 005 IND, instruction mode: Classroom; Business and Law, 1-8 cr
12422 006 IND, instruction mode: Classroom; Mathematical Thinking, 1-8 cr

1996 Internship
(max crs 8)
13396 001 FWK, instruction mode: Classroom; Science, 1-8 cr
13397 002 FWK, instruction mode: Classroom; Social Science, 1-8 cr
13398 003 FWK, instruction mode: Classroom; Humanities, 1-8 cr
13399 004 FWK, instruction mode: Classroom; Reading, Writing, and Communication, 1-8 cr
13400 005 FWK, instruction mode: Classroom; Business Law, 1-8 cr
13401 006 FWK, instruction mode: Classroom; Mathematical Thinking, 1-8 cr

3324W Writing in the Workplace for Education and Human Development Majors
(prereq 60+ undergraduate credits, declared major; meets CLE req of Writing Intensive)
23736 001 DIS, 10:10am-12:05pm MW, ApH 226, instruction mode: Classroom; Hodne, Barbara Downs, 4 cr
25115 002 DIS, 10:10am-12:05pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Buturian, Linda J, 4 cr

3325V Honors: Project-Based Writing For Education and Human Development Majors
(A-F; prereq CEHD Honors students only; meets CLE req of Writing Intensive; meets HON req of Honors)
23792 001 DIS, 09:05am-11:00am MW, STSS 420A, instruction mode: Classroom; Meets with: 23735 PSTL 3325V; Peter, Gary E, 4 cr
25117 002 DIS, 11:15am-01:10pm MW, ApH 103, instruction mode: Classroom; Meets with: 25116 PSTL 3325W; Peter, Gary E, 4 cr

3325W Project-Based Writing For Education and Human Development Majors
(prereq 60+ undergraduate credits, declared major; meets CLE req of Writing Intensive)
23735 001 DIS, 09:05am-11:00am MW, STSS 420A, instruction mode: Classroom; Meets with: 23792 PSTL 3325V; Peter, Gary E, 4 cr
25116 002 DIS, 11:15am-01:10pm MW, ApH 103, instruction mode: Classroom; Meets with: 25117 PSTL 3325W; Peter, Gary E, 4 cr

5106 Multicultural Teaching and Learning in Diverse College Contexts
(A-F; prereq Grad student)
19696 1001 LEC, 04:40pm-07:20pm W, STSS 420B, instruction mode: Classroom; Duranczyk, Irene Mary, 3 cr

5212 Multicultural Theories of College Student Development Applied to Teaching and Learning

(A-F; prereq Grad student)
22275 1001 LEC, 04:40pm-07:20pm M, STSS 420B, instruction mode: Classroom; Poch, Robert Karl; Jehangir PhD, Rashne Rustom, 3 cr

8296 Supervised Internship in Postsecondary Teaching and Learning
(max crs 12; S-N; prereq 5196, [grad student admitted to Multicultural College Teaching and Learning MA or College Student Development and Counseling Psychology PhD])
21463 001 FWK, instruction mode: Primarily Online; Grier-Reed, Tabitha LaShaun, 3-12 cr

8315 Plan B Capstone Seminar
(S-N; prereq 5206, grad student admitted to master's program in multicultural college teaching/learning; if Plan B project includes research with human subjects, application to Institutional Review Board is required)
21462 1001 LEC, 04:40pm-07:20pm T, . NORMREQD, instruction mode: Classroom; Vambach, Cathrine A; Franko, Jennifer Lee; Lee, Amy M, 3 cr

8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA)
21938 001 IND, instruction mode: Independent/Directed Studies, 1-18 cr

PREVENTIVE SCIENCE MINOR (Prev)
Institute of Child Development, College of Education and Human Development, 51 East River Road, Minneapolis, MN, 55455

8005 Prevention Science Capstone Course
(OPN; prereq 8001)
20083 001 LEC, instruction mode: Classroom; Gewirtz, Abigail, 1 cr

PRODUCT DESIGN (PDes)
*101 Rapson Hall, 89 Church St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-3373, http://design.umn.edu*

3701 Creativity, Idea Generation, and Innovation
(A-F)
22894 001 LEC, 02:30pm-05:15pm Th, STSS 114, instruction mode: Classroom; Meets with: 21745 PDES 5701; Kudrowitz, Barry, 3 cr

3702 Concept Sketching and Rendering
(A-F)
22895 001 LEC, 02:30pm-05:15pm T, STSS 114, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; 20 seats reserved for Product Design (PDES) minor ug - EXPIRES 04-SEP-2015; Meets with: 21746 PDES 5702; Kudrowitz, Barry, 3 cr

3703 Product Form and Model Making
(A-F)
1001 LEC, 06:00pm-09:00pm T, RapsonH 43, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; Meets with: 22703 PDES 5703
31632 1002 LAB, 06:00pm-09:00pm Th, RapsonH 54, instruction mode: Classroom, 4 cr

4193 Directed Study in Product Design
(max crs 8; A-F only; prereq Undergrad, instr consent)
24687 001 IND, instruction mode: Classroom; Kudrowitz, Barry, 1-4 cr

5193 Directed Study in Product Design
(max crs 8; A-F only; prereq Grad, instr consent)
24549 001 IND, instruction mode: Classroom; Kudrowitz, Barry, 1-4 cr

5701 Creativity, Idea Generation, and Innovation
(A-F)
21745 001 LEC, 02:30pm-05:15pm Th, STSS 114, instruction mode: Classroom; Meets with: 22894 PDES 3701; Kudrowitz, Barry, 3 cr

5702 Concept Sketching and Rendering
(A-F)

21746 001 LEC, 02:30pm-05:15pm T, STSS 114, instruction mode: Classroom; Meets with: 22895 PDES 3702; Kudrowitz, Barry, 3 cr

5703 Product Form and Model Making (A-F)

1001 LEC, 06:00pm-09:00pm T, RapsonH 43, instruction mode: Classroom; Meets with: 22702 PDES 3703
25998 1002 LAB, 06:00pm-09:00pm W, RapsonH 45, instruction mode: Classroom; Meets with: 25997 PDES 3703, 4 cr

8192 Readings in Product Design

(max crs 6; A-F only; prereq Grad, instr consent)
23778 001 IND, instruction mode: Independent/Directed Studies; Kudrowitz, Barry, 1-3 cr

8193 Directed Study in Product Design

(max crs 8; A-F only; prereq Grad, instr consent)
23779 001 IND, instruction mode: Independent/Directed Studies; Kudrowitz, Barry, 1-4 cr

PROGRAM FOR INDIVIDUALIZED LEARNING (PIL)

20 Ruttan Hall, 1994 Buford Ave, St Paul Campus, St Paul, MN, 55108
612/624-4000, <http://www.cce.umn.edu/pil>

3200 Continuing Studies

(max crs 30; 15 repeats allowed; S-N only; prereq PIL student, dept consent)

17745 001 IND, instruction mode: Independent/Directed Studies, 1-2 cr

3252 Project 2

(S-N only; prereq PIL student, dept consent)
17746 001 LEC, instruction mode: Independent/Directed Studies, 5 cr

3253 Project 3

(S-N only; prereq PIL student, dept consent)
19682 001 LEC, instruction mode: Independent/Directed Studies, 5 cr

3254 Project 4

(S-N only; prereq PIL student, dept consent)
19683 001 LEC, instruction mode: Independent/Directed Studies, 5 cr

3255 Project 5

(S-N only; prereq PIL student, dept consent)
19684 001 LEC, instruction mode: Independent/Directed Studies, 5 cr

3256 Project 6

(S-N only; prereq PIL student, dept consent)
19685 001 LEC, instruction mode: Independent/Directed Studies, 5 cr

3257 Project 7

(S-N only; prereq PIL student, dept consent)
19686 001 LEC, instruction mode: Independent/Directed Studies, 5 cr

3258 Project 8

(S-N only; prereq PIL student, dept consent)
19687 001 LEC, instruction mode: Independent/Directed Studies, 5 cr

3259 Project 9

(S-N only; prereq PIL student, dept consent)
19688 001 LEC, instruction mode: Independent/Directed Studies, 5 cr

3260 Program Active

(max crs 10; S-N only; prereq PIL student)
19593 001 LEC, instruction mode: Independent/Directed Studies, 1-5 cr

3281 Major Project

(S-N only; prereq PIL student, dept consent)
15219 001 LEC, instruction mode: Independent/Directed Studies, 5 cr

3291 Graduation Preparation

(S-N only; prereq PIL student, dept consent)
17747 001 IND, instruction mode: Independent/Directed Studies, 5 cr

4299 Graduation Review

(S-N only; prereq PIL student, dept consent)

17748 001 IND, instruction mode: Independent/Directed Studies, 5 cr

PROSTHODONTICS (Pros)

9-450 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-0634, <http://www.dentistry.umn.edu>

7110 Classic Prosthodontic Literature

Review
(A-F only; prereq instr consent)
12065 001 LEC, 08:00am-05:00pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Course meets in Moos 9-170; Holtan, James R, 2 cr

7200 Advanced Clinical Prosthodontics I

(A-F only; prereq instr consent)
12612 001 FWK, instruction mode: Classroom; Conrad, Heather Joan, 5 cr

PSYCHOLOGY (Psy)

N-218 Elliott Hall, 75 E River Road, East Bank Campus, Minneapolis, MN, 55455
612/625-4042, <http://www.psych.umn.edu>

1001 Introduction to Psychology

(Credit will not be granted if credit has been received for: PSTL 1281, PSY 1001H; meets CLE req of Social Sciences)

001 LEC, 01:25pm-02:15pm MWF, WilleyH 175, instruction mode: Classroom; Brothen, Thomas; Briggs, Kathleen Helen
11534 002 DIS, 10:10am-11:00am T, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11535 003 DIS, 11:15am-12:05pm T, STSS 530A, instruction mode: Classroom; 5 seats reserved for CATS (CLA Pres Emerg Scholars); 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11536 004 DIS, 12:20pm-01:10pm T, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11537 005 DIS, 01:25pm-02:15pm T, STSS 530A, instruction mode: Classroom; 5 seats reserved for CATS (CLA Pres Emerg Scholars); 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11538 006 DIS, 02:30pm-03:20pm T, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11539 007 DIS, 09:05am-09:55am W, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11540 008 DIS, 10:10am-11:00am W, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11541 009 DIS, 11:15am-12:05pm W, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11542 010 DIS, 12:20pm-01:10pm W, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist; 5 seats reserved for CATS (CLA Pres Emerg Scholars), 4 cr
11543 011 DIS, 02:30pm-03:20pm W, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11544 012 DIS, 10:10am-11:00am Th, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11545 013 DIS, 11:15am-12:05pm Th, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11546 014 DIS, 12:20pm-01:10pm Th, STSS 530A, instruction mode: Classroom; 5 seats reserved for CATS (CLA Pres Emerg Scholars); 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
11547 015 DIS, 01:25pm-02:15pm Th, STSS 530A, instruction mode: Classroom; 13 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
016 LEC, instruction mode: Partially Online; Hybrid course featuring on-line faculty lectures in addition to class meetings. High speed internet connection required.; Brothen, Thomas; Briggs, Kathleen Helen
21328 017 DIS, 11:15am-12:30pm T, STSS 432B, instruction mode: Partially Online; Hybrid course featuring on-line faculty lectures in addition to class meetings. High speed internet connection required.; 1 seat reserved for non-PSEO, non-admitted student, 4 cr
21329 018 DIS, 01:00pm-02:15pm T, STSS 432A, instruction mode: Partially Online; Hybrid course featuring on-line faculty lectures in addition to class meetings. High speed

internet connection required.; 1 seat reserved for non-PSEO, non-admitted student, 4 cr

21330 019 DIS, 04:00pm-05:15pm W, STSS 530A, instruction mode: Partially Online; Hybrid course featuring on-line faculty lectures in addition to class meetings. High speed internet connection required.; 1 seat reserved for non-PSEO, non-admitted student, 4 cr
21479 1020 DIS, 05:30pm-06:45pm W, STSS 530A, instruction mode: Partially Online; Hybrid course featuring on-line faculty lectures in addition to class meetings. High speed internet connection required., 4 cr
21807 021 DIS, 08:00am-08:50am Th, STSS 530A, instruction mode: Partially Online; Hybrid course featuring on-line faculty lectures in addition to class meetings. High speed internet connection required., 4 cr
21331 022 DIS, 09:05am-09:55am Th, STSS 530A, instruction mode: Partially Online; Hybrid course featuring on-line faculty lectures in addition to class meetings. High speed internet connection required.; 1 seat reserved for non-PSEO, non-admitted student, 4 cr
22515 023 DIS, 09:45am-11:00am F, STSS 530A, instruction mode: Partially Online; Hybrid course featuring on-line faculty lectures in addition to class meetings. High speed internet connection required., 4 cr
23998 024 DIS, 11:15am-12:30pm F, STSS 530A, instruction mode: Partially Online, 4 cr
34330 025 DIS, 10:10am-11:00am F, STSS 530B, instruction mode: Classroom, 4 cr
34331 026 DIS, 11:15am-12:05pm F, STSS 530B, instruction mode: Classroom, 4 cr

1001H Honors Introduction to Psychology

(Credit will not be granted if credit has been received for: PSTL 1281, PSY 1001; A-F; prereq Honors; meets CLE req of Social Sciences; meets HON req of Honors)
001 LEC, instruction mode: Classroom; Kling, Kristen C
19195 002 DIS, 10:10am-11:00am WF, STSS 412, instruction mode: Partially Online; Hybrid course featuring on-line faculty lectures in

1511 Psychology

(A-F only; Only Rochester-admitted students will be able to enroll in this course.; meets CLE req of Social Sciences)

19844 001 LEC, 04:00pm-05:15pm TTh, USq 337, ROCHESTER, instruction mode: Classroom; Winchip, James E, 3 cr
24083 002 LEC, 11:15am-12:30pm TTh, . ROCH-TBA, ROCHESTER, instruction mode: Classroom; If interested in this section, please register via the wait list option. If there is enough student interest, it is likely this section will be offered.; Winchip, James E, 3 cr

1902 Freshman Seminar

(prereq Fr; meets CLE req of Diversity and Soc Justice US)

23794 001 LEC, 10:10am-12:40pm F, EltH N668, instruction mode: Classroom; Lee, Richard M, 3 cr

1905 Freshman Seminar

(max crs 6; A-F only; prereq Fr)
23996 001 LEC, 10:10am-12:40pm F, EltH N227, instruction mode: Classroom; Mann, Traci Lynn, 3 cr
23997 002 LEC, 09:45am-12:30pm T, EltH N227, instruction mode: Classroom; Marsolek, Chad James, 3 cr
25552 003 LEC, 03:00pm-06:00pm W, EltH N391, instruction mode: Classroom; Cadieux, Kirsten Valentine, 3 cr

3001W Introduction to Research Methods

(Credit will not be granted if credit has been received for: PSY 3005V, PSY 3001V; prereq [1001, [2801 or 3801 or equiv]] or dept consent; meets CLE req of Writing Intensive)

001 LEC, 10:10am-11:00am MW, Mayo AUDITORIUM, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; Stellmack, Mark A
18160 002 LAB, 01:00pm-02:45pm W, EltH S150, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr
18161 003 LAB, 01:00pm-02:45pm W, EltH S160, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr
18162 004 LAB, 03:00pm-04:45pm W, EltH S150, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr
18163 005 LAB, 03:00pm-04:45pm W, EltH S160, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding

registration for this course.; 19 seats reserved for Psy major, 4 cr
 18164 006 LAB, 09:00am-10:45am Th, EltH S150, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr
 18165 007 LAB, 09:00am-10:45am Th, EltH S160, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr
 18166 008 LAB, 11:00am-12:45pm Th, EltH S150, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr
 18167 009 LAB, 11:00am-12:45pm Th, EltH S160, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr
 19007 010 LAB, 01:00pm-02:45pm Th, EltH S150, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr
 20004 011 LAB, 01:00pm-02:45pm Th, EltH S160, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr
 22878 012 LAB, 10:30am-12:15pm F, EltH S150, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr
 22879 013 LAB, 10:30am-12:15pm F, EltH S160, instruction mode: Classroom; Contact Psych Undergrad Advising (psyadv@umn.edu) if you have issues regarding registration for this course.; 19 seats reserved for Psy major, 4 cr

3011 Introduction to Learning and Behavior (prereq 1001)

18158 001 LEC, instruction mode: Correspondence; This course consists entirely of online assignments and learning activities. The final exam is also delivered off-campus online. See the Course Guide for details.; Brothen, Thomas, 3 cr

3031 Introduction to Sensation and Perception (prereq PSY 1001)

001 LEC, instruction mode: Partially Online; Hybrid course featuring on-line faculty lectures and in-class Lab sessions. High speed internet connection required.; Engel, Stephen A
 21487 002 LAB, 02:30pm-03:45pm W, STSS 432A, instruction mode: Classroom; Engel, Stephen A, 3 cr
 21489 003 LAB, 01:00pm-02:15pm Th, STSS 512B, instruction mode: Classroom; Engel, Stephen A, 3 cr
 21490 004 LAB, 02:30pm-03:45pm Th, STSS 512B, instruction mode: Classroom; Engel, Stephen A, 3 cr

3051 Introduction to Cognitive Psychology (prereq 1001)

11576 001 LEC, 09:45am-11:00am TTh, BellMus 100, instruction mode: Classroom; Jiang, Yuhong Vanessa, 3 cr

3061 Introduction to Biological Psychology
(Credit will not be granted if credit has been received for: PSY 5061; prereq 1001 or BIOL 1009 or NSci 1100)
 11577 001 LEC, 11:15am-12:30pm MW, AndH 370, instruction mode: Classroom, 3 cr

3101 Introduction to Personality
(Credit will not be granted if credit has been received for: PSY 5101; prereq 1001)
 13283 001 LEC, 11:15am-12:30pm TTh, BellMus 100, instruction mode: Classroom; DeYoung, Colin G, 3 cr

3135 Introduction to Individual Differences
(Credit will not be granted if credit has been received for: PSY 5135; prereq [1001, [3801 or equiv]] or instr consent)
 17173 001 LEC, 04:00pm-05:15pm MW, VinH 16, instruction mode: Classroom, 3 cr

3201 Introduction to Social Psychology
(prereq 1001 or instr consent)
 16760 001 LEC, 02:30pm-03:45pm TTh, FraserH 102, instruction mode: Classroom; , 3 cr

3206 Introduction to Health Psychology

(prereq 1001)
 19812 001 LEC, 01:00pm-02:15pm MW, VinH 16, instruction mode: Classroom; , 3 cr

3301 Introduction to Cultural Psychology
(A-F only; prereq 1001)
 15594 001 LEC, 09:45am-11:00am MW, EltH N119, instruction mode: Classroom; , 3 cr

3511 Introduction to Counseling Psychology
(prereq 1001)

17211 001 LEC, 08:15am-09:30am TTh, SmithH 231, instruction mode: Classroom; , 3 cr
 20035 1002 LEC, 06:00pm-08:30pm W, STSS 330, instruction mode: Classroom, 3 cr

3512 Principles of Abnormal Psychology
(A-F only; prereq (PSY 1511 or equiv) or instr consent)
 25872 001 LEC, 11:15am-12:30pm MW, USq 337, ROCHESTER, instruction mode: Classroom; Dunbar, Robert Lee; Winchip, James E, 3 cr
 31556 002 LEC, 02:30pm-03:45pm MW, 318Com 4, ROCHESTER, instruction mode: Classroom; Winchip, James E; Dunbar, Robert Lee, 3 cr

3604 Introduction to Abnormal Psychology
(Credit will not be granted if credit has been received for: PSY 5604H; prereq 1001)

11578 001 LEC, instruction mode: Correspondence; Klimes-Dougan, Bonnie, 3 cr
 11579 002 LEC, 04:00pm-06:30pm T, RapsonH 100, instruction mode: Classroom; Lissek, Shmuel, 3 cr
 11580 003 LEC, 01:00pm-02:15pm TTh, RapsonH 100, instruction mode: Classroom; , 3 cr

3617 Introduction to Clinical Psychology
(prereq 3604 or 5604H)

11581 001 LEC, 01:00pm-02:15pm MW, PeikH 28, instruction mode: Classroom; Grove, William Merrill, 3 cr

3633 Happiness: Integrating Research Across Psychological Sciences
(prereq 3001W or 3001V or instr consent)

34362 001 LEC, 04:00pm-05:15pm TTh, EltH N119, instruction mode: Classroom; MacDonald III, Angus, 3 cr

3666 Human Sexuality
(prereq 1001)

22842 001 LEC, 04:00pm-06:30pm M, STSS 330, instruction mode: Classroom; Althaus, Linde, 3 cr

3711 Psychology in the Workplace
(prereq 1001, [2801/3801 or equiv] or SCO 2550 or instr consent)
 12208 001 LEC, 02:30pm-03:45pm TTh, SmithH 231, instruction mode: Classroom; Kuncel, Nathan Richard, 3 cr

3801 Introduction to Psychological Measurement and Data Analysis
(Credit will not be granted if credit has been received for: PSY 3801H; prereq High school algebra, [PSY 1001 or equiv]; intended for students who plan to major in psychology; meets CLE req of Mathematical Thinking)

001 LEC, 11:15am-12:05pm MWF, Mayo AUDITORIUM, instruction mode: Classroom; Stellmack, Mark A
 17717 002 LAB, 09:45am-11:00am T, STSS 512B, instruction mode: Classroom; 12 seats reserved for Psy major; , 4 cr
 17718 003 LAB, 09:45am-11:00am T, STSS 131A, instruction mode: Classroom; 12 seats reserved for Psy major; , 4 cr
 19742 004 LAB, 11:15am-12:30pm T, STSS 512B, instruction mode: Classroom; 12 seats reserved for Psy major; , 4 cr
 17719 005 LAB, 11:15am-12:30pm T, STSS 432A, instruction mode: Classroom; 12 seats reserved for Psy major; , 4 cr
 19003 006 LAB, 01:00pm-02:15pm T, STSS 512B, instruction mode: Classroom; 12 seats reserved for Psy major; , 4 cr
 17720 007 LAB, 01:00pm-02:15pm T, STSS 432B, instruction mode: Classroom; 12 seats reserved for Psy major; , 4 cr
 17721 008 LAB, 02:30pm-03:45pm T, STSS 512B, instruction mode: Classroom; 12 seats reserved for Psy major; , 4 cr
 17722 009 LAB, 02:30pm-03:45pm T, STSS 512A, instruction mode: Classroom; 12 seats reserved for Psy major; , 4 cr
 19743 010 LAB, 04:00pm-05:15pm T, STSS 512B, instruction mode: Classroom; 12 seats reserved for Psy major; , 4 cr
 21449 1011 LAB, 05:30pm-06:45pm T, STSS 512B, instruction mode: Classroom; 12 seats reserved for Psy major; , 4 cr

3801H Honors Introduction to Psychological Measurement and Data Analysis

(Credit will not be granted if credit has been received for: PSY 3801; A-F; prereq [1001 or equiv], high school algebra, honors; intended for students who plan to

major in psychology; credit will not be granted if credit already received for:

001 LEC, 02:30pm-03:45pm TTh, KHK2 2-260, instruction mode: Classroom; Class includes Lecture and Lab components.; Wang, Chun
 25736 002 LAB, 02:30pm-03:45pm W, PeikH 375, instruction mode: Classroom; Kostal, Jack W, 4 cr

3901W Major Project - Research Laboratory

(Credit will not be granted if credit has been received for: PSY 3902W, PSY 3903W; A-F; prereq [3801 or equiv], 3001W, completion of five courses from three distribution areas, PSY major, senior; meets CLE req of Writing Intensive)

001 LEC, 08:15am-09:30am T, STSS 230, instruction mode: Classroom; Meets with: 17212 PSY 3902W, 26672 PSY 3903W; Niccoli-Waller, Caprice
 26670 002 LAB, 04:00pm-05:15pm T, EltH S150, instruction mode: Classroom; Requires faculty-approved registration in a psychology research lab either concurrently or the prior semester. See http://www.psych.umn.edu/ugrad/programs.php for instructions; , 3 cr
 26671 003 LAB, 09:45am-11:00am W, EltH S150, instruction mode: Classroom; Requires faculty-approved registration in a psychology research lab either concurrently or the prior semester. See http://www.psych.umn.edu/ugrad/programs.php for instructions; , 3 cr

3902W Major Project - Individual Interests

(Credit will not be granted if credit has been received for: PSY 3901W, PSY 3903W; A-F; prereq [3801 or equiv], [3001W], completion of five courses from three distribution areas, PSY major, sr; meets CLE req of Writing Intensive)

001 LEC, 08:15am-09:30am T, STSS 230, instruction mode: Classroom; See http://www.psych.umn.edu/ugrad/programs.php before you register; Meets with: 26669 PSY 3901W, 26672 PSY 3903W; Niccoli-Waller, Caprice
 17213 002 LAB, 09:45am-11:00am T, EltH S150, instruction mode: Classroom; Individual Interest Project; , 3 cr
 17224 003 LAB, 01:00pm-02:15pm T, EltH S150, instruction mode: Classroom; Individual Interest Project; , 3 cr
 21724 004 LAB, 11:15am-12:30pm W, EltH S150, instruction mode: Classroom; Individual Interest Project; , 3 cr

3903W Major Project - Community Engagement

(Credit will not be granted if credit has been received for: PSY 3902W, PSY 3901W; A-F; prereq [3801 or equiv], 3001W, completion of five courses from three distribution areas, PSY major, senior; meets CLE req of Writing Intensive)

001 LEC, 08:15am-09:30am T, STSS 230, instruction mode: Classroom; Meets with: 17212 PSY 3902W, 26669 PSY 3901W; Niccoli-Waller, Caprice
 26673 002 LAB, 11:15am-12:30pm T, EltH S150, instruction mode: Classroom; Lee, Joyce, 3 cr
 26674 003 LAB, 02:30pm-03:45pm T, EltH S150, instruction mode: Classroom; Beaupre, Adam J, 3 cr

3960 Undergraduate Seminar in Psychology

(max crs 45; 9 repeats allowed; prereq 1001)
 26373 001 LEC, 10:10am-11:00am T, RapsonH 45, instruction mode: Partially Online; Careers in Psychology; Syed, Moin, 1 cr

3993 Directed Study

(max crs 24; 8 repeats allowed)
 11582 001 IND, instruction mode: Classroom, 1-6 cr

4011 Applied Behavior Analysis
(prereq 3011 or instr consent)

24024 001 LEC, 01:00pm-02:15pm MW, EltH N119, instruction mode: Classroom; Larsson, Eric V., 3 cr

4032 Psychology of Music

(prereq Grad or [Jr or sr], [3011 or 3031 or 3051 or 3061]) or instr consent
 23795 001 LEC, 01:00pm-02:15pm TTh, EltH N391, instruction mode: Classroom; Oxenham, Andrew J., 3 cr

4501 Psychology of Women and Gender

(prereq [Jr or sr], psych major] or instr consent)
 22549 001 LEC, 01:00pm-02:15pm WF, RapsonH 43, instruction mode: Classroom; Kling, Kristen C, 3 cr

4721 Special Topics in Psychology

(max crs 6; A-F only; prereq instr consent ; repeated enrollment allowed only if topics are different)
 34641 001 LEC, 12:45pm-02:00pm TTh, USq 314, ROCHESTER, instruction mode: Classroom; Dunbar, Robert Lee; Winchip, James E, 3 cr; Social Psychology

4902V Honors Project

(max crs 5; A-F only; prereq Honors, instr consent, dept consent; meets CLE req of Writing Intensive; meets HON req of Honors)

11590 001 IND, instruction mode: Classroom, 1-6 cr

4993 Directed Research: Special Areas of Psychology and Related Sciences

(max crs 48; 8 repeats allowed; prereq instr consent, dept consent)

17183 001 IND, instruction mode: Classroom, 1-6 cr

26950 002 IND, instruction mode: Classroom, 1-6 cr

4996H Honors Internship/Externship

(max crs 6; A-F; prereq Honors, instr consent, dept consent, college consent; meets HON req of Honors)

12412 001 FWK, instruction mode: Classroom, 1-6 cr

5014 Psychology of Human Learning and Memory

(prereq 3011 or 3051 or honors or grad student)

34361 001 LEC, instruction mode: Classroom, 3 cr

5018H Mathematical Models of Human Behavior

(A-F; prereq Math 1271 or instr consent; meets HON req of Honors)

24045 001 LEC, 01:00pm-02:15pm TTh, VinH 313, instruction mode: Classroom; Schrater, Paul Robert, 3 cr

5031W Perception

(prereq 3031 or 3051 or instr consent; meets CLE req of Writing Intensive)

34363 001 LEC, 09:45am-11:00am TTh, Elth N391,

instruction mode: Classroom; Legge, Gordon Ernest, 3 cr

5036W Computational Vision

(prereq [[3031 or 3051], [Math 1272 or equiv]] or instr consent; meets CLE req of Writing Intensive)

34359 001 LEC, 09:45am-11:00am MW, Elth N227,

instruction mode: Classroom; Kersten, Daniel John, 3 cr

5037 Psychology of Hearing

(prereq [MATH 1271, [3031 or 3051 or 3061]] or grad student)

34364 001 LEC, 09:45am-11:00am MW, Elth N668,

instruction mode: Classroom; Viemeister, Neal F, 3 cr

5054 Psychology of Language

(prereq Grad or [jr or sr], [3011 or 3031 or 3051 or 3061]] or instr consent)

25771 001 LEC, 09:45am-11:00am TTh, Elth N119,

instruction mode: Classroom; Fletcher, Charles R, 3 cr

5064 Brain and Emotion

(A-F only; prereq 3061 or 5061 or instr consent)

25769 001 LEC, 11:15am-12:30pm MW, Elth N119,

instruction mode: Classroom; 5 seats reserved for Graduate Student; 5 seats reserved for Psy grad; Gewirtz, Jonathan C, 3 cr

5137 Introduction to Behavioral Genetics

(prereq 3001W or equiv or instr consent)

11583 001 LEC, 02:30pm-03:45pm TTh, Elth N119,

instruction mode: Classroom; Mc Gue, Matt, 3 cr

5204 Psychology of Interpersonal Relationships

(A-F; prereq Honors or grad student or instr consent)

25553 001 LEC, 09:45am-11:00am MW, Elth N391,

instruction mode: Classroom; Simpson, Jeffrey A, 3 cr

5707 Personnel Psychology

(Credit will not be granted if credit has been received for: PSY 5701; prereq [[3001W or equiv], 3711] or instr consent; credit will not be granted if credit received for: 5701, 5703)

20596 001 LEC, 02:30pm-04:20pm TTh, Elth N391,

instruction mode: Classroom; Campbell, John P; Ones, Deniz S, 4 cr

5862 Psychological Measurement: Theory and Methods

(prereq 3801H or MATH 1271 or grad student)

13394 001 LEC, 01:00pm-02:15pm MW, Elth N647,

instruction mode: Classroom; Enforced Prerequisites for this class: Psy 3801H or Math 1271 or grad student; Waller, Niels Gordon, 3 cr

5960 Topics in Psychology

(max crs 8; prereq PSY 1001, [jr or sr or grad student])

23793 001 LEC, 02:30pm-03:45pm TTh, Elth N423,

instruction mode: Classroom; Intermediate R Programming; Grove, William Merrill, 1-4 cr

5993 Research Laboratory in Psychology

(max crs 18; 6 repeats allowed; prereq instr consent, dept consent)

19008 001 LAB, instruction mode: Classroom; Interdisciplinary Projects in Social, Political, and Legal Psychology.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 10 seats reserved for Undergrad student; Borgida, Eugene, 3 cr

19011 003 LAB, instruction mode: Classroom; Research Lab; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Campbell, John P, 3 cr

19618 004 LAB, instruction mode: Classroom; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; DeYoung, Colin G, 3 cr

19012 005 LAB, instruction mode: Classroom; Visual Cortex and Perception.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Engel, Stephen A, 3 cr

19013 006 LAB, instruction mode: Classroom; Research on Interpersonal Relations and Political Psychology.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Federico, Christopher Michael, 3 cr

19014 007 LAB, instruction mode: Classroom; Psychology of Language.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Fletcher, Charles R, 3 cr

19015 008 LAB, instruction mode: Classroom; Coping with Stressful Life Events, Optional community engagement experience.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 10 seats reserved for Undergrad student; Frazier, Patricia Ann, 3 cr

19016 009 LAB, instruction mode: Classroom; Biological Basis of Emotion and Drug Abuse.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 5 seats reserved for Undergrad student; Gewirtz, Jonathan C, 3 cr

19017 010 LAB, instruction mode: Classroom; Projects in Social-Psychological Research.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Gonzales, Marti Hope, 3 cr

19018 011 LAB, instruction mode: Classroom; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Grove, William Merrill, 3 cr

19019 012 LAB, instruction mode: Classroom; Interest Measurement, Career and Vocational Psychology.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Hansen, Jo-Ida C, 3 cr

19020 013 LAB, instruction mode: Classroom; Vision and Visual Attention.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; He, Sheng, 3 cr

19021 014 LAB, 03:15pm-04:30pm W, Elth N227, instruction mode: Classroom; Twin and Family Research.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Iacono, William George; Mc Gue, Matt, 3 cr

19022 015 LAB, instruction mode: Classroom; Attention, Memory, and Decision-making.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 5 seats reserved for Undergrad student; Jiang, Yuhong Vanessa, 3 cr

23810 016 LAB, instruction mode: Classroom; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Kersten, Daniel John, 3 cr

19023 017 LAB, instruction mode: Classroom; Memory, Thinking, and Judgment.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Koutstaal, Wilma, 3 cr

19024 018 LAB, instruction mode: Classroom; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Krueger, Robert, 3 cr

19025 019 LAB, instruction mode: Classroom; Individual Differences and Life Outcomes.; Requires faculty-approved learning contract prior to registration. See

<http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 4 seats reserved for Undergrad student; Kuncel, Nathan Richard, 3 cr

19026 020 LAB, instruction mode: Classroom; Race, Ethnicity, Migration and Mental Health.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 8 seats reserved for Undergrad student; Lee, Richard M, 3 cr

19027 021 LAB, instruction mode: Classroom; Visual Perception; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Legge, Gordon Ernest, 3 cr

19028 022 LAB, instruction mode: Classroom; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 3 seats reserved for Undergrad student; Lissek, Shmuel, 3 cr

19029 023 LAB, instruction mode: Classroom; Brain Processes, Behavior and Cognition.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 4 seats reserved for Undergrad student; Luciana, Monica Marie, 3 cr

19030 024 LAB, instruction mode: Classroom; Translational Research in Cognitive and Affective Mechanisms.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; MacDonald III, Angus, 3 cr

19031 025 LAB, instruction mode: Classroom; Topics in Health Behaviors.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Mann, Traci Lynn, 3 cr

19032 026 LAB, instruction mode: Classroom; Cognitive Neuroscience.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Marsolek, Chad James, 3 cr

19034 028 LAB, instruction mode: Classroom; Individual Differences in Work Psychology; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Ones, Deniz S, 3 cr

19035 029 LAB, instruction mode: Classroom; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Overmier, J. Bruce, 3 cr

19036 030 LAB, instruction mode: Classroom; Auditory Perception and Cognition; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 4 seats reserved for Undergrad student; Oxenham, Andrew J., 3 cr

19037 031 LAB, instruction mode: Classroom; Health Cognition and Health Behavior; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 5 seats reserved for Undergrad student; Rothman, Alexander John, 3 cr

19038 032 LAB, instruction mode: Classroom; Research Lab; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Sackett, Paul R, 3 cr

19039 033 LAB, instruction mode: Classroom; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Schmidt, Aaron Michael, 3 cr

19040 034 LAB, instruction mode: Classroom; Computational Perception and Action; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Schrater, Paul Robert, 3 cr

19619 035 LAB, instruction mode: Classroom; Relationships and Interpersonal Processes; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 20 seats reserved for Undergrad student; Simpson, Jeffrey A, 3 cr

19041 036 LAB, instruction mode: Classroom; Personality, Motivation, and Social Behavior; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Snyder, Mark, 3 cr

20965 038 LAB, instruction mode: Classroom; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Thomas, Mark John, 3 cr

21083 039 LAB, instruction mode: Classroom; Research Lab in Auditory Perception; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Viemeister, Neal F, 3 cr

21151 040 LAB, instruction mode: Classroom; Advanced Topics in Measurement Theory; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Waller, Niels Gordon, 3 cr

21957 041 LAB, instruction mode: Classroom; Research on Adolescent Depression; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 10 seats reserved for Undergrad student; Klimes-Dougan, Bonnie, 3 cr

22667 042 LAB, 03:00pm-05:00pm M, VinH 313, instruction mode: Classroom; Major Project Research: Clinical Psychology. Concurrent registration in Psy 3902W is required. Contact Psychology Advising at psadvdis@umn.edu for enrollment instructions.; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; 10 seats reserved for Undergrad student; Klimes-Dougan, Bonnie, 3 cr

23277 043 LAB, instruction mode: Classroom; Intervention research with families affected by stressful events, including deployment; Requires faculty-approved learning contract prior to registration. See <http://psych.umn.edu/ugrad/researchpsy5993.html> for instructions.; Gewirtz, Abigail, 3 cr

26033 045 LAB, instruction mode: Classroom; Lee, James J., 3 cr

26176 046 LAB, instruction mode: Classroom; Stellmack, Mark A., 3 cr

8041 Proseminar in Perception

(A-F only; prereq Psy grad student or instr consent)
34987 001 LEC, 02:00pm-04:30pm W, EltH N668, instruction mode: Classroom; Kersten, Daniel John; Oxenham, Andrew J., 3 cr

8111 Biological, Cognitive, Affective, Social, Developmental and Historical Aspects of Psychopathology

(A-F only; prereq Clinical psych grad student, instr consent)
13535 001 LEC, 02:30pm-05:30pm F, EltH N423, instruction mode: Classroom; Contact Amanda Suchy (amsuchy@umn.edu) for a permission number for registration; , 4 cr

8201 Social Cognition

(A-F only; prereq Psych PhD candidate)
35012 001 LEC, 09:00am-11:30am W, EltH N305, instruction mode: Classroom; Borgida, Eugene, 3 cr

8203 Impression Management

(prereq Grad psych major; 8208 recommended; instr consent)
34367 001 LEC, 11:15am-01:10pm T, EltH N668, instruction mode: Classroom; Gonzales, Marti Hope, 3 cr

8205 Principles of Social Psychology

(max crs 15; 5 repeats allowed; prereq Psy PhD student)
13395 001 LEC, 12:00pm-02:00pm M, . ROOM-TBA, instruction mode: Classroom; EltH N353; Simpson, Jeffrey A., 3 cr

8211 Proseminar in Political Psychology I

(Credit will not be granted if credit has been received for: POL 8307; S-N only; prereq Political Psychology grad minor)
15609 001 LEC, instruction mode: Classroom; Meets with: 11585 POL 8307; Lavine, Howard G; Borgida, Eugene, 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
14007 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14143 001 IND, instruction mode: Classroom, 1 cr

8501 Counseling Psychology: History and Theories

(prereq Counseling psych grad student or instr consent)
22431 001 LEC, 05:00pm-07:00pm W, EltH N595, 04:00pm-05:00pm Th, EltH N595, instruction mode: Classroom, 3 cr

8503 Interviewing and Intervention

(prereq Counseling Psy grad student or instr consent)
15053 001 LEC, 01:00pm-02:30pm T, EltH N595, 03:00pm-04:30pm T, EltH N595, instruction mode: Classroom; Lee, Richard M, 3 cr

8510 Counseling Psychology Beginning

Practicum: General
(max crs 6; S-N; prereq Counseling Psy grad student)
13409 001 FWK, instruction mode: Classroom; Hansen, Jolida C, 1-6 cr

8514 University Counseling Practicum I

(max crs 6; S-N; prereq Counseling Psy grad student, instr consent)
15754 001 FWK, 12:00pm-04:30pm M, ApH 333, 08:00am-12:30pm W, ApH 333, 10:00am-12:00pm F, ApH 333, instruction mode: Classroom; Tu, Chia-Chen; Beckham-Chasnoff, Sarra, 4-6 cr

8542 Professional Standards and Ethics in Clinical Psychology

(S-N only; prereq Counseling or clinical psych grad student or instr consent)
12309 001 LEC, 03:45pm-06:30pm T, EltH N423, instruction mode: Classroom; Brunnuell, Donald Joseph, 3 cr

8560 Counseling Psychology Advanced Practicum I: General

(max crs 3; S-N; prereq Counseling psy grad student, instr consent)
13410 001 FWK, 03:30pm-05:00pm F, EltH N595, instruction mode: Classroom; Frazier, Patricia Ann, 1-3 cr

8565 Counseling Psychology Advanced Practicum I: Career Counseling and Assessment Clinic

(max crs 6; S-N; prereq Counseling psy grad student, instr consent)
13408 001 FWK, instruction mode: Classroom; EltH N595; Conlon, Amy Lynne, 1-6 cr

8570 Counseling Psychology Internship I

(max crs 36; 36 repeats allowed; S-N; prereq Counseling psy PhD candidate, instr consent)
14051 001 FWK, instruction mode: Classroom; Hansen, Jolida C, 1-12 cr

8611 Intellectual and Neuropsychological Assessment: Measurement, Methodology, and Development

(A-F only; prereq Clinical psych grad student)
12317 001 LEC, 09:05am-12:05pm M, EltH N423, 01:00pm-03:00pm W, EltH N423, instruction mode: Classroom; Grove, William Merrill; Fuhrman, Michael Jed; , 5 cr

8620 Clinical Practicum: Consultation, Supervision, Professional Standards, and Lifelong Learning

(max crs 36; 8 repeats allowed; S-N only; prereq instr consent)
17174 001 FWK, 08/07/15-06/15/16, instruction mode: Classroom; MacDonald III, Angus, 1-6 cr

8621 Crisis Intervention, Professional Consultation, and Community Psychology

(max crs 3; A-F only; prereq Clinical psych grad student)
12318 001 FWK, 04:20pm-06:20pm Th, EltH N423, instruction mode: Classroom; Ayers, James L, 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14258 001 IND, instruction mode: Classroom, 1-6 cr

8701 Seminar in Industrial and Organizational Psychology I

(A-F only; prereq instr consent)
34988 001 LEC, instruction mode: Classroom; Sackett, Paul R, 3 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14340 001 IND, instruction mode: Classroom, 1-18 cr

8814 Analysis of Psychological Data

(prereq Undergrad course in statistics, grad student in psychology, instr consent)

001 LEC, 09:45am-11:00am TTh, PeikH 335, instruction mode: Classroom; Wang, Chun
17273 002 LAB, 10:15am-12:10pm F, EltH N391, instruction mode: Classroom; , 4 cr

8881 Seminar: Quantitative and Psychometric Methods

(max crs 15; 5 repeats allowed)
16158 001 LEC, 03:00pm-05:00pm T, EltH N668, instruction mode: Classroom; Weiss, David J, 3 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13774 001 IND, instruction mode: Classroom, 1-24 cr

8935 Readings in Behavioral Genetics and Individual Differences Psychology

(max crs 10; 10 repeats allowed; S-N only; prereq 5135, 5137 or instr consent)
12408 001 IND, 12:00pm-01:00pm M, EltH N227, instruction mode: Classroom; Mc Gue, Matt, 1 cr

8960 Graduate Seminar in Psychology

(max crs 36; 9 repeats allowed; prereq Psychology grad student or instr consent)
20593 001 LEC, 03:00pm-05:00pm Th, EltH N668, instruction mode: Classroom; Item Response Theory: Methods, Research and Applications; Weiss, David J, 1-4 cr
23817 002 LEC, instruction mode: Classroom; Course time arranged with Instructor; Ones, Deniz S, 1-4 cr
24714 004 LEC, instruction mode: Classroom; Counseling Supervision, Course time arranged with Instructor; Lee, Richard M, 1-4 cr
26034 005 LEC, 01:30pm-03:30pm F, . ROOM-TBA, instruction mode: Classroom; Professional Consultation Beginning; Frazier, Patricia Ann, 1-4 cr
26035 006 LEC, instruction mode: Classroom; Professional Consultation Advanced; Frazier, Patricia Ann, 1-4 cr
26591 007 LEC, 01:15pm-03:45pm T, SmithH 111, instruction mode: Classroom; Olman, Cheryl Annette, 1-4 cr

8993 Directed Studies: Special Areas of Psychology and Related Sciences

(max crs 36; 6 repeats allowed; prereq instr consent)
19208 001 IND, instruction mode: Classroom, 1-6 cr

PUBLIC AFFAIRS (PA)

225 HHHCtr, 301 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-3800, <http://www.hhh.umn.edu>

1961W Personal Leadership in the University

(Credit will not be granted if credit has been received for: OLPD 1301W, OLPD 1302; A-F; meets CLE req of Writing Intensive)
13300 1001 LEC, 05:30pm-08:30pm W, FolH 123, instruction mode: Classroom; More seats for this same class may be available under OLPD 1301W, section 001. For the most complete list of course offerings, search for both open and closed sections.; 2 seats reserved for International Student; Meets with: 10478 OLPD 1301W, 3 cr
16209 002 LEC, 01:00pm-02:15pm MW, NichH 355, instruction mode: Classroom; More seats for this same class may be available under OLPD 1301W, section 002. For the most complete list of course offerings, search for both open and closed sections.; 2 seats reserved for International Student; Meets with: 10479 OLPD 1301W, 3 cr
13487 003 LEC, 09:45am-11:00am MW, NichH 355, instruction mode: Classroom; More seats for this same class may be available under OLPD 1301W, section 003. For the most complete list of course offerings, search for both open and closed sections.; 2 seats reserved for International Student; Meets with: 10480 OLPD 1301W, 3 cr
13488 004 LEC, 01:00pm-02:15pm TTh, ApH 103, instruction mode: Classroom; More seats for this same class may be available under OLPD 1301W, section 004. For the most complete list of course offerings, search for both open and closed sections.; 2 seats reserved for International Student; Meets with: 10481 OLPD 1301W, 3 cr
27405 005 LEC, 04:00pm-05:15pm TTh, FolH 116, instruction mode: Classroom; 2 seats reserved for International Student - EXPIRES 31-AUG-2015; Meets with: 27404 OLPD 1301W, 3 cr
18168 006 LEC, 08:15am-09:30am MW, ApH 226, instruction mode: Classroom; More seats for this same class may be available under OLPD 1301W, section 006. For the most complete list of course offerings, search for both open and

closed sections.; 2 seats reserved for International Student; Meets with: 10486 OLPD 1301W, 3 cr

23770 007 LEC, 09:45am-11:00am TTh, ApH 103, instruction mode: Classroom; More seats for this same class may be available under OLPD 1301W, section 007. For the most complete list of course offerings, search for both open and closed sections.; 2 seats reserved for International Student; Meets with: 23786 OLPD 1301W, 3 cr

31572 1008 LEC, 05:30pm-06:45pm TTh, FolH 6, instruction mode: Classroom; Meets with: 31571 OLPD 1301W, 3 cr

34278 009 LEC, 02:30pm-03:45pm MW, FolH 116, instruction mode: Classroom; 2 seats reserved for International Student - EXPIRES 28-AUG-2015; Meets with: 34277 OLPD 1301W, 3 cr

21026 010 LEC, 04:00pm-05:15pm MW, FolH 8, instruction mode: Classroom; More seats for this same class may be available under OLPD 1301W, section 010. For the most complete list of course offerings, search for both open and closed sections.; 2 seats reserved for International Student; Meets with: 10498 OLPD 1301W, 3 cr

23771 011 LEC, 02:30pm-03:45pm TTh, FolH 116, instruction mode: Classroom; More seats for this same class may be available under OLPD 1301W, section 011. For the most complete list of course offerings, search for both open and closed sections.; 2 seats reserved for International Student; Meets with: 23787 OLPD 1301W, 3 cr

22129 012 LEC, instruction mode: Correspondence; This section will be delivered online. The instructor will contact students regarding technology requirements. More seats for this same class may be available under OLPD 1301W, section 012. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 10499 OLPD 1301W, 3 cr

21962 013 LEC, instruction mode: Correspondence; This section will be delivered online. The instructor will contact students regarding technology requirements. More seats for this same class may be available under OLPD 1301W, section 013. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 10506 OLPD 1301W, 3 cr

22317 014 LEC, instruction mode: Correspondence; This section will be delivered online. The instructor will contact students regarding technology requirements. More seats for this same class may be available under OLPD 1301W, section 014. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 22319 OLPD 1301W, 3 cr

22318 016 LEC, 09:45am-11:00am TTh, ApH 226, instruction mode: Classroom; This course is partially online. More seats for this same class may be available under OLPD 1301W, section 016. For the most complete list of course offerings, search for both open and closed sections.; 2 seats reserved for International Student; Meets with: 22427 OLPD 1301W, 3 cr

25032 017 LEC, 11:15am-12:30pm MW, FolH 4, instruction mode: Classroom; More seats for this same class may be available under OLPD 1301W, section 017. For the most complete list of course offerings, search for both open and closed sections.; 2 seats reserved for International Student; Meets with: 25021 OLPD 1301W, 3 cr

31574 018 LEC, 01:00pm-02:15pm TTh, ApH 226, instruction mode: Classroom; Meets with: 31573 OLPD 1301W, 3 cr

25033 020 LEC, 11:15am-12:30pm TTh, PeikH 335, instruction mode: Classroom; More seats for this same class may be available under OLPD 1301W, section 020. For the most complete list of course offerings, search for both open and closed sections.; 2 seats reserved for International Student; Meets with: 25022 OLPD 1301W, 3 cr

25035 025 LEC, instruction mode: Classroom; This section will be delivered online. The instructor will contact students regarding technology requirements. More seats for this same class may be available under OLPD 1301W, section 025. For the most complete list of course offerings, search for both open and closed sections.; Meets with: 25024 OLPD 1301W, 3 cr

3002 Basic Methods of Policy Analysis

(A-F only; meets CLE req of Social Sciences)

22837 001 LEC, 01:00pm-02:15pm MW, STSS 420B, instruction mode: Classroom; Please see ClassInfo for more information.; Gyunou, John, 3 cr

3003 Nonprofit and Public Financial Management

(A-F only; prereq Jr or sr)

17203 001 LEC, 09:45am-11:00am MW, STSS 420B, instruction mode: Classroom; The instructor, John Gyunou, can be reached at jmgyunou@umn.edu. Please see ClassInfo for further information.; Gyunou, John, 3 cr

3961 Leadership, You, and Your Community

(Credit will not be granted if credit has been received for: OLPD 3302; A-F; prereq PA 1961W or CFAN 3480

or CFAN 1101 or EDPA 1301W or EDPA 1302 or OLPD 1301W or OLPD 1302)

13301 001 LEC, 09:45am-11:00am TTh, NichH 145, instruction mode: Classroom; Meets with: 10476 OLPD 3302, 3 cr

14700 002 LEC, 01:00pm-02:15pm TTh, NichH 335, instruction mode: Classroom; Meets with: 10477 OLPD 3302, 3 cr

21379 003 LEC, 02:30pm-03:45pm MW, FolH 8, instruction mode: Classroom; Meets with: 10503 OLPD 3302, 3 cr

23772 004 LEC, 11:15am-12:30pm WF, FolH 5, instruction mode: Classroom; Meets with: 23788 OLPD 3302, 3 cr

26503 005 LEC, 02:30pm-03:45pm TTh, FolH 8, instruction mode: Classroom; Meets with: 26502 OLPD 3302, 3 cr

3971 Leadership Minor: Field Experience

(Credit will not be granted if credit has been received for: OLPD 3306; A-F; prereq PA 3961 or 3961W or EDPA 3302 or EDPA 3302W or OLPD 3302)

23372 001 FWK, 09:45am-11:00am TTh, NichH 355, instruction mode: Classroom; Students must apply to get a permission number for this section, contact instructor for more information.

23373 002 FWK, 04:00pm-05:15pm MW, HHHctr 30, instruction mode: Classroom; Students must apply to get a permission number for this section, contact instructor for more information. THEME: Intercultural Leadership

23374 003 FWK, 11:15am-12:30pm TTh, CarlSMgmt 1-149, instruction mode: Classroom; Students must apply to get a permission number for this section, contact instructor for more information. THEME: Leadership in Social Enterprise. Note: Students are required to attend a retreat.; Meets with: 23368 OLPD 3306, 3 cr

27407 004 FWK, 09:45am-11:00am MW, . ROOM-TBA, instruction mode: Classroom; Meets with: 27406 OLPD 3306, 3 cr

4101 Nonprofit Management and Governance

17338 1001 LEC, 04:40pm-07:25pm Th, HHHctr 25, 09/10/15-09/10/15, 04:40pm-07:25pm Th, HHHctr 25, 09/24/15-09/24/15, 04:40pm-07:25pm Th, HHHctr 25, 10/08/15-10/08/15, 04:40pm-07:25pm Th, HHHctr 25, 10/22/15-10/22/15, 04:40pm-07:25pm Th, HHHctr 25, 11/05/15-11/05/15, 04:40pm-07:25pm Th, HHHctr 25, 11/19/15-11/19/15, 04:40pm-07:25pm Th, HHHctr 25, 12/03/15-12/03/15, instruction mode: Partially Online; Class will meet on-line during weeks it does not meet in person.; Rojas, Allison Langell, 3 cr

4200 Urban and Regional Planning

14068 001 LEC, 04:00pm-05:15pm TTh, HHHctr 60, instruction mode: Classroom; Douma, Frank P, 3 cr

4490 Topics in Social Policy

(max crs 9; 3 repeats allowed)

26621 001 LEC, 01:00pm-02:15pm TTh, HMH 1-103, instruction mode: Classroom; Prereq - At least one previous political science course.; Meets with: 20603 PA 5012; Mondale, Walter; Jacobs, Larry, 3 cr

4890 Topics in Global Policy

(max crs 6)

25768 1001 LEC, 06:00pm-08:45pm M, HHHctr 25, instruction mode: Classroom; Managing Global Crises.; Meets with: 25721 PA 8890, 25910 POL 5810; Schwartz, Eric Paul, 3 cr

4961W Leadership for Global Citizenship

(A-F; prereq 3971 or EdPA 3402 or OLPD 3306; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)

14701 001 LEC, 02:30pm-03:45pm MW, ApH 226, instruction mode: Classroom; Meets with: 10475 OLPD 4303W; Asmundson, Aaron R, 3 cr

22843 002 LEC, 11:15am-12:30pm TTh, ApH 226, instruction mode: Classroom; Meets with: 10485 OLPD 4303W; Werner, Linnette, 3 cr

23773 1003 LEC, 06:30pm-09:00pm M, FolH 112, 09/21/15-09/21/15, 06:30pm-09:00pm M, FolH 105, 10/26/15-10/26/15, 06:30pm-09:00pm M, FolH 105, 10/05/15-10/05/15, 06:30pm-09:00pm M, FolH 105, 12/07/15-12/07/15, instruction mode: Partially Online; This is a blended learning course that delivered primarily online. Students are required to attend 4 face to face classes.; Meets with: 23789 OLPD 4303W; Nobbe, June Elly, 3 cr

4971 Directed Study, Leadership Minor

(max crs 15; 5 repeats allowed; OPN; prereq [3961 or OLPD 3302], consent of Leadership Minor Coordinator)

24452 001 IND, instruction mode: Classroom; This course requires a permission number to enroll. Please contact the instructor to obtain permissions and register for this course.; Shelley, Laura Catherine; Soria, Krista Marie; Werner, Linnette, 1-4 cr

5002 Introduction to Policy Analysis

(A-F only; prereq Major or minor in public policy or science/technology/environmental policy or instr consent)

14357 1001 LEC, 06:00pm-08:45pm W, STSS 512A, 09/08/15-10/26/15, instruction mode: Classroom; 5002 will also be offered in Spring 2016.; Lindsey, Greg H, 1.50 cr

26684 003 LEC, 01:00pm-02:15pm MW, STSS 512B, 10/27/15-12/16/15, instruction mode: Classroom; 5002 will also be offered in Spring 2016.; Lindsey, Greg H, 1.50 cr

5003 Introduction to Financial Analysis and Management

(A-F only; prereq Public policy major/minor or major in development practice, public affairs or liberal studies or grad nonprof mgmt cert or instr consent)

13154 1001 LEC, 06:00pm-08:45pm T, CarlSMgmt 1-135, 09/08/15-10/26/15, instruction mode: Classroom; PA 5003 will also be offered in Spring 2016.; 8 seats reserved for Development Practice M D P; Zhao, Zhirong Jerry, 1.50 cr

13153 1002 LEC, 06:00pm-08:45pm W, CarlSMgmt L-118, 10/27/15-12/16/15, instruction mode: Classroom; This class will also be offered in Spring 2016.; 8 seats reserved for Development Practice M D P; Zhao, Zhirong Jerry, 1.50 cr

20065 003 LEC, 03:00pm-05:30pm MTWTh, BlegH 415, 08/17/15-08/27/15, 03:00pm-05:00pm T, BlegH 415, 09/01/15-09/01/15, instruction mode: Classroom; This sections meets in August 2015. PA 5003 is also offered in Spring 2016. If class is closed, please add yourself to the waiting list, register for one of the open sections, or wait until Spring 2016 to register.; Kiedrowski, P. Jay, 1.50 cr

5004 Introduction to Planning

(A-F only; prereq Major/minor in urban/regional planning or instr consent)

12350 001 LEC, 09:45am-11:00am MW, HHHctr 25, instruction mode: Classroom; Allen, Ryan Patrick, 3 cr

5011 Management of Organizations

(A-F only; prereq Major/minor in public policy or instr consent)

11778 001 LEC, 09:45am-11:00am TTh, BlegH 415, instruction mode: Classroom; A section of PA 5011 will be offered in Sp16.; Oelberger, Carrie Robson, 3 cr

17502 1003 LEC, 05:45pm-08:30pm M, CarlSMgmt L-118, instruction mode: Classroom; A section of PA 5011 will be offered in Sp16.; Stone, Melissa M, 3 cr

5012 The Politics of Public Affairs

(A-F only; prereq Major or minor in public policy or [sci, tech, and environ policy] or public affairs PhD or instr consent)

20603 001 LEC, 01:00pm-02:15pm TTh, HMH 1-103, instruction mode: Classroom; A section of PA 5012 will be offered in Sp16.; Meets with: 26621 PA 4490; Mondale, Walter; Jacobs, Larry, 3 cr

5013 Law and Urban Land Use

(A-F only; prereq Major or minor in urban/regional planning or instr consent)

11777 1001 LEC, 06:00pm-08:45pm M, HMH 1-105, 09/08/15-10/26/15, instruction mode: Classroom; Coleman, Jean Lynn, 1.50 cr

5021 Economics For Policy Analysis and Planning I

(A-F only; prereq [Econ 1101 or equiv], major or minor in public policy or science/technology/environmental policy or instr consent)

001 LEC, 08:15am-09:30am MW, BlegH 415, instruction mode: Classroom; Dorelien, Audrey Marie-Christine

33877 002 LAB, 11:15am-12:30pm W, BlegH 415, instruction mode: Classroom; Dorelien, Audrey Marie-Christine, 3 cr

005 LEC, 09:45am-11:00am MW, BlegH 415, instruction mode: Classroom; Hanratty, Maria J

15558 006 LAB, 11:15am-12:05pm F, BlegH 415, instruction mode: Classroom; Discussion section for lecture section 5.; Hanratty, Maria J, 3 cr

20127 1007 LEC, 06:00pm-08:45pm W, HHHctr 184, instruction mode: Classroom, 3 cr

5022 Economics For Policy Analysis and Planning II

(max crs 4.50; 3 repeats allowed; A-F only; prereq [[5021 or equiv], public policy major] or instr consent)

18156 001 LEC, 01:00pm-02:15pm MW, HHHctr 35, instruction mode: Classroom; Familiarity with regression analysis and college algebra required. Art Rolnick serves as a co-director for the Human Capital Research Collaborative at the University of Minnesota. He previously served at the Federal Reserve Bank of Minneapolis as a senior vice president and director of research and as an associate economist with the Federal Open Market

Committee -- the monetary policymaking body for the Federal Reserve System. He is a board member of several Minneapolis nonprofit firms, including the Minnesota Early Learning Foundation and Ready 4 K, an advocacy organization for early childhood development. A recipient of numerous awards for his work in early childhood development, he was named Minnesotan of the Year by Minnesota Monthly magazine in 2005. Rolnick holds degrees in mathematics and economics from Wayne State University and has a Ph.D. in economics from the University of Minnesota.; Meets with: 20604 PA 5490; Temple, Judy; Rolnick, Arthur Jeffrey, 3 cr; A-F; Economics of Early Childhood Development

5031 Empirical Analysis I

(A-F only; prereq Major in dev practice or major/minor in pub policy or [sci, tech, and environ policy] or urban/regional planning or instr consent)

- 001 LEC, 11:15am-12:30pm TTh, BlegH 235, instruction mode: Classroom; Levison, Deborah
 11775 002 LAB, 11:15am-12:30pm F, HHHctr 85, instruction mode: Classroom; 5 seats reserved for Development Practice M D P; Levison, Deborah, 4 cr
 11776 003 LAB, 09:45am-11:00am F, HHHctr 85, instruction mode: Classroom; 5 seats reserved for Development Practice M D P; Levison, Deborah, 4 cr
 1005 LEC, 06:00pm-08:45pm T, BlegH 317, instruction mode: Classroom; Cao, Jason
 13299 1006 LAB, 04:30pm-05:45pm Th, HHHctr 85, instruction mode: Classroom; Cao, Jason, 4 cr
 13586 1007 LAB, 06:00pm-07:15pm Th, HHHctr 85, instruction mode: Classroom; Cao, Jason, 4 cr
 008 LEC, 11:15am-12:30pm TTh, BlegH 155, instruction mode: Classroom; Oelberger, Carrie Robson
 32901 009 LAB, 01:00pm-02:15pm Th, HHHctr 85, instruction mode: Classroom; Oelberger, Carrie Robson, 4 cr
 32903 010 LAB, 02:30pm-03:45pm T, HHHctr 85, instruction mode: Classroom; Oelberger, Carrie Robson, 4 cr

5041 Qualitative Methods for Policy Analysts

(A-F; prereq Major or minor in public policy or science/technology/environmental policy or instr consent)

- 001 LEC, 01:00pm-02:15pm MW, BlegH 115, instruction mode: Classroom; If class is closed, add yourself to the waiting list.; Friedemann-Sanchez, Greta
 20835 002 LAB, 02:30pm-03:45pm Th, HHHctr 85, instruction mode: Classroom; Friedemann-Sanchez, Greta, 4 cr

5051 Cohort Leadership I

(A-F; prereq Major in public affairs (cohort) or public affairs certificate (cohort); 5051-5052 must be taken in same academic yr)

- 21922 001 LEC, 08:30am-04:30pm MTWThF, HHHctr 35, 08/24/15-08/28/15, 10:00am-05:00pm F, HHHctr 35, 09/25/15-09/25/15, 08:30am-04:30pm S, HHHctr 35, 09/26/15-09/26/15, 10:00am-05:00pm F, HHHctr 35, 10/23/15-10/23/15, 08:30am-04:30pm S, HHHctr 35, 10/24/15-10/24/15, 10:00am-05:00pm F, HHHctr 35, 11/20/15-11/20/15, 08:30am-04:30pm S, HHHctr 35, 11/21/15-11/21/15, 08:30am-04:30pm S, HHHctr 35, 12/12/15-12/12/15, instruction mode: Partially Online; Students should register for PA 5051, 5053, and 5055. PA 5051, 5053, and 5055 will meet in person: Aug 24-28 (8:30-5:00), plus Fridays 10:00-5:00 (9/25, 10/23, 11/20) and Saturdays 8:30-4:30 (9/26, 10/24, 11/21, 12/12).; Gerdes, Kevin Scott; Sandfort, Jodi R., 2 cr

5053 Cohort Policy Analysis I

(A-F; prereq Major in public affairs (cohort) or public affairs certificate (cohort); 5053-5054 must be taken in same academic yr)

- 21923 001 LEC, 08/24/15-12/12/15, instruction mode: Partially Online; Students should register for PA 5051, 5053, and 5055. PA 5051, 5053, and 5055 will meet in person: Aug 24-28 (8:30-5:00), plus Fridays 10:00-5:00 (9/25, 10/23, 11/20) and Saturdays 8:30-4:30 (9/26, 10/24, 11/21, 12/12).; Gerdes, Kevin Scott; Sandfort, Jodi R., 2 cr

5055 Cohort Analytics I

(A-F; prereq Major in public affairs or public affairs certificate, [5055-5056 must be taken in same academic yr])

- 21924 001 LAB, 08/24/15-12/12/15, instruction mode: Partially Online; Students should register for PA 5051, 5053, and 5055. PA 5051, 5053, and 5055 will meet in person: Aug 24-28 (8:30-5:00), plus Fridays 10:00-5:00 (9/25, 10/23, 11/20) and Saturdays 8:30-4:30 (9/26, 10/24, 11/21, 12/12).; Fertig, Angie, 2 cr

5080 Capstone Preparation Workshop

(S-N; prereq Concurrent registration is required (or allowed) in 8081)

19933 001 LEC, 06:00pm-08:45pm T, . NORMREQD, 09/08/15-09/08/15, 09:00am-12:00pm S, HHHctr 35, 09/12/15-09/12/15, instruction mode: Classroom; Class will meet on 9/8 with PA 8081, section 1. Will also meet on Sat., 9/12 (room TBA).; Gerdes, Kevin Scott, 1 cr

5081 Working in Teams: Crossing

Disciplines and Learning from Difference (S-N; prereq Major in development practice, public affairs, public policy, urban and regional planning, or sci, tech, and environ policy)

- 24369 1001 LEC, 06:00pm-09:00pm TTh, HHHctr 180, 09/01/15-09/03/15, instruction mode: Classroom; Bloomberg, Laura L, 0.50 cr
 24370 002 LEC, 01:00pm-04:00pm T, HHHctr 180, 09/01/15-09/01/15, 09:00am-12:00pm W, HHHctr 180, 09/02/15-09/02/15, instruction mode: Classroom; Bloomberg, Laura L, 0.50 cr
 24371 003 LEC, 09:00am-03:30pm F, HHHctr 180, 09/04/15-09/04/15, instruction mode: Classroom; MDP students: Please contact Joel Mixon with questions.; Bloomberg, Laura L, 0.50 cr

5101 Management and Governance of Nonprofit Organizations

(prereq Grad student or instr consent)

- 19324 1001 LEC, 06:00pm-08:45pm Th, HHHctr 30, instruction mode: Classroom; Wirth-Davis, Michael Eric, 3 cr

5104 Strategic Human Resource Management

(A-F only; prereq Grad student or instr consent)

- 17753 1001 LEC, 06:00pm-08:45pm T, HHHctr 30, instruction mode: Classroom; Kiedrowski, P. Jay, 3 cr

5105 Integrative Leadership Seminar

(Credit will not be granted if credit has been received for: MGMT 6402, OLPD 6402; OPN; prereq Grad student or instr consent)

- 23883 1001 LEC, 06:00pm-08:45pm T, CarlSMgmt L-114, instruction mode: Classroom; This course is run concurrently with registration in this designator and MGMT 6402, OLPD 6402, Law 6623, and PubH 6702. If this course shows as full, please check for space under the other three designators; there may be seats available. If all designators show as full, please contact Merrie Benasutti at the Center for Integrative Leadership (624-8300) for a permission number. She will have permission numbers for all four designators. All designators must be filled before any override permission numbers are issued.; Meets with: 26760 LAW 6623, 24313 MGMT 6402, 24136 OLPD 6402, 24175 PUBH 6702; Laird, Vanessa Ann; Quast, Louis Neumann, 3 cr

5108 Board leadership development

(S-N; prereq Grad student or instr consent)

- 24021 001 LEC, 09:00am-04:30pm F, HHHctr 280B, 09/11/15-09/11/15, 09:00am-11:00am F, HHHctr 280B, 10/16/15-10/16/15, 09:00am-11:00am F, HHHctr 280B, 11/13/15-11/13/15, 09:00am-11:00am F, CarlSMgmt 1-122, 12/04/15-12/04/15, instruction mode: Classroom; Stone, Melissa M, 1 cr

5180 Topics in Executive Leadership

(max crs 6; A-F; prereq instr consent)

- 24127 001 LEC, 09:00am-05:00pm Th, . NONSTD-TBA, 09/10/15-09/10/15, 09:00am-05:00pm F, HHHctr 35, 09/11/15-09/11/15, 09:00am-05:00pm F, HHHctr 35, 10/02/15-10/02/15, 09:00am-05:00pm Th, . NONSTD-TBA, 11/05/15-11/05/15, 09:00am-05:00pm F, HHHctr 35, 12/04/15-12/04/15, instruction mode: Classroom; Public Safety Leadership II must be taken in same academic year (Spring 2016).; Gerdes, Kevin Scott, 3 cr; Public Safety Ldrship I

5190 Topics in Public and Nonprofit

Leadership and Management

(max crs 9; 3 repeats allowed; prereq Grad student or instr consent)

- 19747 1001 LEC, 06:00pm-08:45pm M, BlegH 235, instruction mode: Classroom; If class is full, please add your name to the waiting list.; Anderson Kelliher, Margaret E, 3 cr; Managing Conflict: Negotiation
 33854 1002 LEC, 06:00pm-08:45pm W, BlegH 235, instruction mode: Classroom; Crosby, Barbara C; Bryson, John M, 3 cr; OPN; Creating Public Value

5211 Land Use Planning

(A-F; prereq Major or minor in urban/regional planning or instr consent)

- 19339 001 LEC, 08:15am-09:30am TTh, CarlSMgmt 2-224, instruction mode: Classroom, 3 cr

5231 Transit Planning and Management

(prereq Grad student or instr consent)

- 11779 1001 LEC, 06:00pm-08:45pm Th, HHHctr 184, instruction mode: Classroom; Cao, Jason, 3 cr

5232 Transportation Policy, Planning, and Deployment

(Credit will not be granted if credit has been received for: CEGE 5212; prereq Sr or grad student or instr consent)

- 21772 001 LEC, 01:25pm-03:20pm MW, CivE 202, instruction mode: Classroom; Meets with: 34143 CEGE 5212; Levinson, David M, 4 cr

5251 Strategic Planning and Management

(A-F only; prereq Grad student or instr consent)

- 22485 1001 LEC, 06:00pm-08:45pm T, BlegH 150, instruction mode: Classroom; Bryson, John M, 3 cr

5253 Designing Planning and Participation Processes

(A-F; prereq Major or minor in urban/regional planning or instr consent)

- 23884 001 LEC, 09:45am-11:00am TTh, HHHctr 15, instruction mode: Classroom; Slotterback, Carissa Schively, 3 cr

5271 Geographic Information Systems:

Applications in Planning and Policy

Analysis

(prereq Major in urban/regional planning or instr consent)

- 19338 1001 LAB, 06:00pm-08:45pm W, HHHctr 85, instruction mode: Classroom; Non-MURP students should contact Stacey Grimes (grime004@umn.edu) to be added to a manual waiting list.; Maas, Geoffrey Michael, 3 cr

5281 Immigrants, Urban Planning and Policymaking in the U.S.

(A-F only; prereq Grad student or instr consent)

- 22841 001 LEC, 02:30pm-03:45pm MW, BlegH 210, instruction mode: Classroom; Allen, Ryan Patrick, 3 cr

5311 Program Evaluation

(prereq Grad student or instr consent)

- 25535 1001 LEC, 06:00pm-08:45pm W, HHHctr 15, instruction mode: Classroom, 3 cr

5401 Poverty, Inequality, and Public Policy

(prereq Grad or instr consent)

- 19749 001 LEC, 04:00pm-05:15pm MW, HHHctr 184, instruction mode: Classroom; Hanratty, Maria J, 3 cr

5405 Public Policy Implementation

(A-F only)

- 26253 001 LEC, 02:30pm-05:30pm W, HHHctr 15, instruction mode: Classroom; Sandfort, Jodi R., 3 cr

5442 Education Law and Policy

(OPN; prereq Grad or instr consent)

- 26031 1001 LEC, 06:00pm-09:00pm W, HHHctr 35, instruction mode: Classroom; Meets with: 26287 LAW 6159; Kelley, Steve, 3 cr

5451 Immigrant Health Issues

(Credit will not be granted if credit has been received for: PUBH 6281; max crs 4; A-F; prereq Grad student or instr consent)

- 15590 001 IND, instruction mode: Correspondence; Fennelly, Katherine, 3-4 cr

5490 Topics in Social Policy

(max crs 9; 3 repeats allowed; prereq Grad student or instr consent)

- 20604 002 LEC, 01:00pm-02:15pm MW, HHHctr 35, instruction mode: Classroom; Familiarity with regression analysis and college algebra required. Art Rolnick serves as a co-director for the Human Capital Research Collaborative at the University of Minnesota. He previously served at the Federal Reserve Bank of Minneapolis as a senior vice president and director of research and as an associate economist with the Federal Open Market Committee -- the monetary policymaking body for the Federal Reserve System. He is a board member of several Minneapolis nonprofit firms, including the Minnesota Early Learning Foundation and Ready 4 K, an advocacy organization for early childhood development. A recipient of numerous awards for his work in early childhood development, he was named Minnesotan of the Year by Minnesota Monthly magazine in 2005. Rolnick holds degrees in mathematics and economics from Wayne State University and has a Ph.D. in economics from the

University of Minnesota.; Meets with: 18156 PA 5022; Temple, Judy; Rolnick, Arthur Jeffrey, 3 cr; Economics of Early Childhood Development
25743 005 LEC, 01:30pm-04:00pm Th, AndH 370, instruction mode: Classroom; Meets with: 15708 AFRO 3866, 26042 AFRO 5866; Mayes, Keith A, 3 cr; The Civil Rights & Black Power Movement, 1954-1984

5501 Theories and Policies of Development
(prereq Grad student or instr consent)
19750 001 LEC, 09:45am-11:00am TTh, HHHCtr 184, instruction mode: Classroom; 15 seats reserved for Development Practice M D P; Friedemann-Sanchez, Greta, 3 cr

5503 Economics of Development
(A-F only; prereq PA 5501 or Concurrent registration is required (or allowed) in PA 5501)
24117 001 LEC, 02:30pm-03:45pm TTh, HHHCtr 30, instruction mode: Classroom; 15 seats reserved for MDP: Masters of Development Pr; Assaad, Ragui A, 3 cr

5511 Community Economic Development
(prereq Grad or instr consent)
33944 1001 LEC, 06:00pm-08:45pm W, HHHCtr 20, instruction mode: Classroom; Streetar, Robert Edmund, 3 cr

5601 Global Survey of Gender and Public Policy
(prereq Grad or instr consent)
34221 001 LEC, 04:00pm-06:45pm T, HHHCtr 35, instruction mode: Classroom; Brown, Karen, 3 cr

5711 Science and Technology Policy
(prereq Grad student or instr consent)
20605 001 LEC, 09:05am-12:00pm F, HHHCtr 60, instruction mode: Classroom; 8 seats reserved for PA: Science/Tech/Envrn Policy, 3 cr

5721 Energy and Environmental Policy
(prereq Grad or instr consent)
20606 001 LEC, 04:00pm-05:15pm MW, BlegH 140, instruction mode: Classroom; Wilson, Elizabeth Joan, 3 cr

5731 Emerging Technologies and Society
(A-F; prereq Grad student or instr consent)
34635 001 LEC, 04:05pm-07:00pm T, MondaleH 65, instruction mode: Classroom; Meets with: 26188 BTHX 8000, 19388 LAW 6037; Fatehi, Leili, 3 cr

5790 Topics in Science, Technology, and Environmental Policy
(max crs 9; 3 repeats allowed; prereq Grad or instr consent)
24391 1001 LEC, 06:00pm-08:45pm T, HHHCtr 20, instruction mode: Classroom; For MS-STEP students, this class can fulfill the 5722 requirement.; Ramaswami, Anu, 3 cr; Material-Energy Flows & Society

5802 Global Economic Policy
(prereq Major in [public affairs or public policy] or instr consent)
20833 1001 LEC, 04:40pm-05:55pm MW, HHHCtr 60, instruction mode: Classroom; Kudrle, Robert T, 3 cr

5890 Topics in Foreign Policy and International Affairs
(max crs 9; 3 repeats allowed; prereq Grad student or instr consent)

26265 002 LEC FSSu, . NORMREQD, 09/11/15-09/13/15, instruction mode: Classroom; International Humanitarian Crisis Simulation. This off-campus offering will start at 8:00am on Friday, 9/11 and end at 5:00pm on Sunday, 9/13. It will be held at Camp Phillippo near Cannon Falls. Pre- and post-simulation class sessions to be arranged around students' schedules. Contact instructor with questions.; Gray, Sherry, 1 cr; S-N; International Humanitarian Crisis Simulation
23891 003 LEC, 01:00pm-02:15pm TTh, HHHCtr 30, instruction mode: Classroom; Curtin, Mary Therese, 3 cr; US Foreign Policy: The Institutional Basis

5910 Developing Your Public Service Career
(S-N only; prereq [Major in [public affairs or public policy or urban/regional planning] or [science, technology/environmental policy] or development practice]] or instr consent)
16849 001 LEC, 11:15am-12:30pm M, HHHCtr 60, instruction mode: Classroom; Guyer-Wood, Jennifer Ruth; Krohn, Martha, 1 cr

5920 Skills Workshop
(max crs 12; 12 repeats allowed; prereq Grad student or instr consent)
25540 002 LEC, 11:15am-12:30pm M, HHHCtr 85, instruction mode: Classroom; Data Visualization: Telling Stories with Numbers. PA 5031 or similar course recommended but not required.; Dorelien, Audrey Marie-Christine, 1.50 cr; Data Visualization: Telling Stories with Numbers
23887 004 LEC, 09:00am-04:30pm F, HHHCtr 35, 09/18/15-09/18/15, 09:00am-04:30pm S, HHHCtr 85, 09/19/15-09/19/15, instruction mode: Classroom; Bryson, John M, 1 cr; OPN; Visual Strategy Mapping
25541 005 LEC, instruction mode: Classroom; Topic prereq - MDP/MPA/MPP/MS-STEP/MURP, 1.50 cr; S-N; HPAR Editorial Board
26804 008 LAB, 04:00pm-05:30pm T, HHHCtr 30, 09/08/15-10/26/15, instruction mode: Classroom; Students may register for up to 2 cr of Public Communication (in PA 5920, sections 8-9); Levison, Deborah, 1 cr; OPN; Public Communication
26805 009 LAB, 04:00pm-05:30pm T, HHHCtr 30, 10/27/15-12/16/15, instruction mode: Classroom; Students may register for up to 2 cr of Public Communication (in PA 5920, sections 8-9); Levison, Deborah, 1 cr; OPN; Public Communication

5980 Topics in American Election Administration
(max crs 9; 3 repeats allowed; prereq Grad student or instr consent)
24436 001 LEC, 09:05am-12:05pm F, CarlSMgmt 1-122, 09/25/15-09/25/15, 09:05am-12:05pm F, CarlSMgmt 1-122, 10/02/15-10/02/15, 09:05am-12:05pm F, CarlSMgmt 1-122, 10/16/15-10/16/15, 09:05am-12:05pm F, CarlSMgmt 1-122, 11/06/15-11/06/15, 09:05am-12:05pm F, CarlSMgmt 1-122, 11/20/15-11/20/15, 09:05am-12:05pm F, HHHCtr 30, 12/04/15-12/04/15, instruction mode: Classroom; Asynchronous online sessions will be held around Oct 10 and October 31. The instructor will provide more details regarding these two sessions.; Chapin, Douglas McCall, 2-3 cr; Election Administration: Policy and Process

5990 Topics: Public Affairs--General Topics
(max crs 9; 6 repeats allowed; prereq Grad student or instr consent)
21982 002 LEC, instruction mode: Classroom; The capstone in global policy is a one-year course, organized as zero credits in fall and 3 credits in spring 2016. Final grades recorded for entire course upon completion of projects and course requirements in spring 2016. This course is a required, zero-credit preparation course for PA 8081 Capstone in Global Public Policy that will be offered in Spring 2016 semester. Students who wish to fulfill their professional paper requirement through a capstone, team-based project working for a public or nonprofit organization on a global policy issue in Spring 2016 must register for this course. Capstone projects will be available for student team formation in early September 2015. Some classes, team meetings, and capstone client meetings will be held fall semester and organized around students' schedules. Contact Dr. Sherry Gray, David Wilsey, or Mary Curtin for more information.; Gray, Sherry; Curtin, Mary Therese; Wilsey PhD, David Scott, 0 cr; NGA; Global Public Policy: Int'l development policy

8003 Integrative Doctoral Seminar in Public Affairs I
(max crs 6; A-F; prereq Public Affairs doctoral student)
26667 001 LEC, 01:00pm-02:15pm MW, HHHCtr 175, instruction mode: Classroom; Quick, Kathy, 3 cr

8081 Capstone Workshop
(max crs 6; A-F; prereq Grad major in public affairs or public policy or [urban and regional planning] or [science, technology, and environment policy] or development practice, completion of core courses or instr consent)
15552 1001 LEC, 06:00pm-08:45pm T, CarlSMgmt 1-136, instruction mode: Classroom; Political Advocacy in the Public Interest. Students must register for Fall 2015 PA 5080, sec 001 (Capstone Preparation Workshop); Lindsey, Greg H, 3 cr; Political Advocacy in the Public Interest

8203 Neighborhood Revitalization Strategies and Theories
(A-F only; prereq [Urban and regional planning] grad student or instr consent)
15096 001 LEC, 04:00pm-05:40pm MW, CarlSMgmt 1-127, instruction mode: Classroom; 4 seats reserved for Social Work student; Mehta, Neeraj K; Martin, Lauren Elizabeth, 4 cr

8302 Applied Policy Analysis

(OPN; prereq Intermediate microeconomics, introduction to econometrics)
001 LEC, instruction mode: Classroom
25543 002 LAB, instruction mode: Classroom, 4 cr

8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
14000 001 IND, instruction mode: Classroom, 1 cr

8390 Advanced Topics in Advanced Policy Analysis Methods
(max crs 6)
25852 001 LEC, 09:45am-11:00am MW, CarlSMgmt 1-122, instruction mode: Classroom; Global and U.S. Perspectives on Mortality and Health. The health of populations in developing and developed countries is very different. Within countries, great health disparities exist between more advantaged and more disadvantaged populations. When crafting policies that aim to improve population health, it is crucial to know how to measure health and how to think about the health needs of the specific population in question. This course will provide an overview to the factors driving health, mortality, and aging across different populations. In addition, students will learn the best sources of data and measures to use to describe the health status of a population. Furthermore, students will be able to assess policy options that address the health of their population. This course fulfills concentration requirements for the University-wide graduate minor in population studies and HHH's Social Policy, Advanced Policy Analysis, Global Policy concentrations. The instructor will be Professor Audrey Dorelien. You may contact her at dorelien@umn.edu if you have questions. See Course Info for a draft syllabus.; Dorelien, Audrey Marie-Christine, 3 cr; OPN; Global & U.S. Perspectives on Health & Mortality

8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
13226 001 IND, instruction mode: Classroom, 1-18 cr

8821 National Security Policy
14580 1001 LEC, 06:00pm-08:45pm Th, HHHCtr 20, instruction mode: Classroom; Andreassen, Steven Peter, 3 cr

8890 Advanced Topics in Foreign Policy and International Affairs
(max crs 6)
25721 1001 LEC, 06:00pm-08:45pm M, HHHCtr 25, instruction mode: Classroom; Meets with: 25768 PA 4890, 25910 POL 5810; Schwartz, Eric Paul, 3 cr; Managing Global Crises

8921 Master's: Professional Paper (Individual Option)
(max crs 3; 3 repeats allowed; prereq instr consent)
21891 001 IND, instruction mode: Independent/Directed Studies; Please contact adviser in Humphrey Student Services regarding scheduling a section of 8921 for a specific faculty member., 1-3 cr

8922 Master's Paper: Plan B
(max crs 3; prereq instr consent)
22117 001 IND, instruction mode: Independent/Directed Studies; Please contact adviser in Humphrey Student Services regarding scheduling a section of 8922 for a specific faculty member., 1-3 cr

8991 Independent Study
(max crs 6; 6 repeats allowed; prereq Limit of 3 credits applied toward a Humphrey School of Public Affairs degree or certificate program, instr consent)
13185 001 IND, instruction mode: Classroom; Contact your academic adviser if you wish to register for Independent Study., 0.50-3 cr

PUBLIC HEALTH (PubH)
A-302 Mayo (Box 197), 420 Delaware Street, East Bank Campus, Minneapolis, MN, 55455
612/624-6669, www.sph.umn.edu

20 Community Engagement
(15 repeats allowed; NGA; prereq Academic faculty adviser consent)
19714 001 FWK, instruction mode: Independent/Directed Studies; For a permission number please e-mail a request, including student ID number, to Richard Archer at arche071@umn.edu, 0 cr

1001 Success Over Stress (SOS)

(prereq Undergrad or PSEO student)

- 22236 001 LEC, instruction mode: Correspondence; If you are having trouble adding the class, email the instructor at SOStress@umn.edu for a permission number.
- 22237 002 LEC, instruction mode: Correspondence; If you are having trouble adding the class, email the instructor at SOStress@umn.edu for a permission number.
- 23106 006 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; This section is offered the second half of the term and begins on October 27. If you are having trouble adding the class, email the instructor at SOStress@umn.edu for a permission number.

1003 Alcohol and College Life (ACL)

(prereq Fr or soph or PSEO)

- 15117 001 LEC, instruction mode: Correspondence; If you are having trouble adding the class, email the instructor at ACLife@umn.edu for a permission number. Note: Permission numbers to enroll are given at the discretion of the instructor and will not be granted after the second week of class. (Sept. 21 is the last day permission numbers will be given out.); 100 seats reserved for fr or soph or PSEO students; Lucachick, Laurie Ann, 1 cr
- 22162 002 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; NOTE: This is an eight week class, starting on October 27. If you are having trouble adding the class, email ACLife@umn.edu for a permission number.
- 22163 003 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; NOTE: This is an eight week class, starting on October 27. If you are having trouble adding the class, email ACLife@umn.edu for a permission number.

1004 Sexuality Matters

(prereq Undergrad or PSEO student)

- 23417 001 LEC, instruction mode: Correspondence; If you are having trouble adding the class, email the instructor at smatters@umn.edu for a permission number. Note: Permission numbers to enroll are given at the discretion of the instructor and will not be granted after the second week of class. (Sept. 21 is the last day permission numbers will be given out.); 5 seats reserved for fr or soph or PSEO students; Matson, Emily Ann, 1 cr
- 25411 004 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; NOTE: This is an eight week class, starting on October 27. If you are having trouble adding the class, email smatters@umn.edu for a permission number.

1005 Sleep, Eat, and Exercise

(prereq [Undergrad or PSEO] student)

- 19833 001 LEC, instruction mode: Correspondence; NOTE: If you are having trouble adding the class, email SEE@umn.edu for a permission number.
- 20015 002 LEC, instruction mode: Correspondence; NOTE: If you are having trouble adding the class, email SEE@umn.edu for a permission number.

3001 Personal and Community Health

- 12151 001 LEC, 12:20pm-01:10pm MW, PWB 2-470, instruction mode: Classroom; contact Sarah Sevcik at sevci010@umn.edu if you need a permission number to register.; Lando, Harry A; Sevcik, Sarah M, 2 cr

3003 Fundamentals of Alcohol and Drug Abuse

(Credit will not be granted if credit has been received for: PUBH 3004, PUBH 6003, PUBH 3005)

- 12153 001 LEC, 12:20pm-01:10pm TTh, PWB 2-470, instruction mode: Classroom; contact Sarah Sevcik at sevci010@umn.edu if you need a permission number to register.; Lando, Harry A; Sevcik, Sarah M, 2 cr

3004 Basic Concepts in Personal and Community Health

(Credit will not be granted if credit has been received for: PUBH 3003, PUBH 6003, PUBH 3005; credit will not be granted if credit received for: 3001)

- 12156 001 LEC, 12:20pm-01:10pm MTWTh, PWB 2-470, instruction mode: Classroom; contact Sarah Sevcik at sevci010@umn.edu if you need a permission number to register.; Lando, Harry A; Sevcik, Sarah M, 4 cr

3005 Fundamentals of Alcohol and Drug Abuse for Teacher Education

(Credit will not be granted if credit has been received for: PUBH 3003, PUBH 3004, PUBH 6003; prereq Undergrad in agricultural educ or business/marketing educ or career/technical educ or foundations of educ or [kinesiology, pre-PE] or technology educ or music educ)

- 17420 001 LEC, instruction mode: Correspondence; Designed to meet teacher licensure requirements. Email (mats0166@umn.edu) or call (612.626.4215) the instructor

IF you need a permission number.; Meets with: 12157 PUBH 6003; Matson, Emily Ann, 1 cr

3010 Public Health Approaches to HIV/AIDS

(Credit will not be granted if credit has been received for: PUBH 6010)

- 15173 001 LEC, 10:10am-11:00am MW, Room TBA, TCEASTBANK, 11:00am-12:05pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 21019 PUBH 6010; Rosser, B. R. Simon, 2 cr

3050 Practicum in Peer Education I

(A-F only; prereq Selected to serve as a health advocate, instr consent)

- 12236 001 LEC, 02:45pm-04:45pm T, Room TBA, TCEASTBANK, instruction mode: Independent/Directed Studies; Students enrolled in this course must have been selected to serve as a health advocate. Please contact Julia Sanem at jsanem@bhs.umn.edu for a permission number. The course will meet in Boynton W120.; Sanem, Julie R, 2 cr

3102 Issues in Environmental and Occupational Health

(Credit will not be granted if credit has been received for: PUBH 6102)

- 14684 320 IND, instruction mode: Correspondence; Students needing a permission # can email enhsss@umn.edu to get on a waiting list; Lee PhD, Petrona, 3 cr

3106 Making Sense of Health Studies

(Credit will not be granted if credit has been received for: PUBH 6106)

- 22511 001 LEC, 12:20pm-02:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 26206 PUBH 6106; Maldonado, George, 2 cr

3107 Global Public Health and the Environment

(A-F; prereq [3001 or 3004 or 3202], [3106 or 3350], public health minor, instr consent)

- 22857 001 LEC, 09:05am-11:00am T, Room TBA, TCEASTBANK, instruction mode: Classroom; For permission # send a request to enhsss@umn.edu confirming you meet the requirements. Prereq taken: 26639 002 LEC, 03:30pm-05:30pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; For permission # send a request to enhsss@umn.edu confirming you meet the requirements. Prereq taken:

3202 What is Public Health?

(OPN)

- 18101 320 LEC, instruction mode: Correspondence; Stenberg, Louise Carol, 2 cr

3315 Clinical Research from Lab to Bedside to Populations

(A-F; prereq General biology course, general chemistry course)

- 19815 001 LEC, 01:25pm-03:20pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Luepker MD, Russell Vincent, 2 cr

3331 Social Determinants of Health: How Inequality Makes Us Sick

(A-F only; prereq 2561 or instr consent)

- 34806 001 LEC, 12:45pm-02:00pm MW, Usq 337, ROCHESTER, instruction mode: Classroom; Sage PhD, Starr Kelly; Wilson, Marie Linner; Barnett, Jessie A, 3 cr

3350 Epidemiology: People, Places, and Disease

(prereq Undergrad statistics course is recommended)

- 34404 001 LEC, 03:35pm-05:30pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Nguyen, Ruby H.N., 2 cr

3415 Introduction to Clinical Trials - Online

(A-F; prereq PUBH 3415 enrollees must have one semester of undergraduate level introductory biostatistics or statistics (STAT 3011, EPSY 3264, SOC 3811, BIOL 3272, or instr consent) AND junior or senior standing or instr consent)

- 24089 320 LEC, instruction mode: Correspondence; Telke, Susan Elizabeth, 3 cr

3531 Health Policy in a Global Context

(A-F only; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

- 26912 001 DIS, instruction mode: Classroom; Meets with: 25099 SOC 3531, 3 cr

3561 Environmental Health and Environmental Justice

(A-F only; prereq 2561 or instr consent; meets CLE req of Environment; meets CLE req of Social Sciences)

- 31554 001 LEC, 12:45pm-02:00pm TTh, 318Com 10, ROCHESTER, instruction mode: Classroom; Sage PhD, Starr Kelly; Wilson, Marie Linner; Barnett, Jessie A, 3 cr
- 25404 002 LEC, 11:15am-12:30pm TTh, 318Com 10, ROCHESTER, instruction mode: Classroom; Sage PhD, Starr Kelly; Barnett, Jessie A; Wilson, Marie Linner, 3 cr

3802 Health and Human Rights

- 24137 1001 LEC, 05:45pm-08:30pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Allison, Kirk Charles, 3 cr

3893 Directed Study: Health Services Research and Policy

(max crs 16; 4 repeats allowed; prereq instr consent)

- 24718 001 IND, instruction mode: Classroom; Allison, Kirk Charles, 1-4 cr

3905 Nutrition for Public Health Promotion and Disease Prevention

(Credit will not be granted if credit has been received for: PUBH 6905; prereq Jr or sr or instr consent)

- 17096 001 LEC, 03:35pm-05:30pm M, STSS 432A, instruction mode: Classroom; Meets with: 12106 PUBH 6905; Steffen PhD, Lyn M, 2 cr

3940 Concepts and Controversies in Public Health Nutrition and Health Promotion

(prereq Jr or sr or instr consent)

- 22896 001 LEC, 12:20pm-02:15pm M, Room TBA, TCEASTBANK, 12:20pm-02:15pm M, Room TBA, TCEASTBANK, 12:20pm-02:15pm M, Room TBA, TCEASTBANK, 12:20pm-02:15pm M, Room TBA, TCEASTBANK, 12:20pm-02:15pm M, Room TBA, TCEASTBANK, 12:20pm-02:15pm M, Room TBA, TCEASTBANK, 12:20pm-02:15pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Pereira PhD, Mark A, 1 cr

3950 From Kid to Community: Personal, Social and Environmental Influences on Youth Obesity

(prereq Students should have completed one basic, introductory nutrition course or equivalent or permission by instructor)

- 24191 320 LEC, instruction mode: Correspondence; Meets with: 24192 PUBH 6900; Larson, Nicole I, 2 cr

5099 Topics: Epidemiology and Community Health

(max crs 8; prereq prerequisites specified by topic title)

- 34989 001 LEC, instruction mode: Classroom; Topic prereq - introductory class in biostatistics and/or epidemiology or instr consent, 1-4 cr; Population Aging and Health

5231 Emergency Preparedness: A Public Health Perspective

(A-F; prereq Upper-level undergraduate students and grad/professional students in academic health sciences and fields related to public health emergency preparedness, response, and recovery. Credit will be not granted if student has completed the PubH 5230 topic course with same title.)

- 26634 320 IND, instruction mode: Correspondence; Kircher, Amy, 2 cr

6003 Fundamentals of Alcohol and Drug Abuse for Teacher Education

(Credit will not be granted if credit has been received for: PUBH 3003, PUBH 3004, PUBH 3005; prereq Master of education student or instr consent)

- 12157 001 LEC, instruction mode: Correspondence; Designed for MEd students to meet teacher licensure requirements. Email (mats0166@umn.edu) or call (612.626.4215) the instructor IF you need a permission number.; MPH students should check with their major coordinator prior to registering to verify if this course will meet degree requirements.; Meets with: 17420 PUBH 3005; Matson, Emily Ann, 1 cr

6010 Public Health Approaches to HIV/AIDS

(Credit will not be granted if credit has been received for: PUBH 3010; prereq Grad student or professional school student or instr consent)

- 21019 001 LEC, 10:10am-11:00am MW, Room TBA, TCEASTBANK, 11:00am-12:05pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; In addition

to the MW 10:10-11:00 scheduled time students enrolled in PubH 6010 will also meet on M 11:15-12:05 on a weekly basis.; Meets with: 15173 PUBH 3010; Rosser, B. R. Simon, 3 cr

6020 Fundamentals of Social and Behavioral Science

(max crs 6; A-F; prereq Public health [MPH or MHA or certificate] student or health journalism MA major or instr consent)

14572 001 LEC, 11:15am-12:30pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact Andrea Kish at kish@umn.edu.; Nelson, Toben F.; Feldman, Roger D.; Moscovice, Ira S., 3 cr
18067 200 LEC, instruction mode: Correspondence; 5 seats reserved for PubH Rochester Students; Lando, Harry A.; Feldman, Roger D.; Moscovice, Ira S., 3 cr
17971 320 LEC, instruction mode: Correspondence; Students needing a permission number to register should contact Andrea Kish at kish@umn.edu.; 20 seats reserved for PubH Online Students; Lando, Harry A.; Feldman, Roger D.; Moscovice, Ira S., 3 cr

6035 Applied Research Methods

(prereq 6034 recommended, [6414 or 6450 or equiv], [CHP, MCH or PubH Nutr major or instr consent])

001 LEC, 01:00pm-02:15pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; credit will not be granted if student has already taken PubH 6806; Hennrikus, Deborah Jane
15882 002 LAB, 02:30pm-03:20pm T, Mayo C381, instruction mode: Classroom; credit will not be granted if student has already taken PubH 6806; Hennrikus, Deborah Jane, 3 cr
15883 003 LAB, 02:30pm-03:20pm Th, Mayo C381, instruction mode: Classroom; credit will not be granted if student has already taken PubH 6806; Hennrikus, Deborah Jane, 3 cr

6050 Community Health Theory and Practice I

(prereq Community health promotion major or instr consent)

10836 001 LEC, 09:05am-12:05pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Brady, Sonya S., 3 cr

6066 Building Communities, Increasing Health: Preparing for Community Health Work

(prereq Public health student or grad student or instr consent)

16130 1001 LEC, 05:45pm-07:40pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; 10 seats reserved for PubH: CHP (Community Health Pr; Axtell, Sara Ann, 2 cr

6074 Mass Communication and Public Health

(Credit will not be granted if credit has been received for: JOUR 5541; prereq [One course in [behavioral or social science], [public health or journalism] grad student] or instr consent)

24227 001 LEC, 09:45am-11:00am TTh, MurH 130, instruction mode: Classroom; Meets with: 23895 JOUR 5541, 3 cr

6078 Public Health Policy as a Prevention Strategy

(prereq 2nd yr MPH or public health MS student or [Epi, Biostats, Env Hlth, HSRPConcurrent registration is required (or allowed) in A PhD student] or instr consent)

19664 001 LEC, 12:20pm-02:15pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Forster, Jean; Toomey, Traci Louise; Nelson, Toben F., 2 cr
19665 002 LEC, 03:35pm-05:30pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Forster, Jean; Toomey, Traci Louise; Nelson, Toben F., 2 cr

6100 Topics: Environmental Health

(max crs 20; 20 repeats allowed)

25842 001 LEC, 10:00am-12:00pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Convertino PhD, Matteo, 0.50-4 cr

6101 Environmental Health

(A-F; prereq Public health [MPH or MHA or certificate] student or instr consent)

11474 001 LEC, 01:25pm-03:20pm MW, Room TBA, TCEASTBANK, 09/08/15-10/26/15, instruction mode: Classroom; NO CREDIT granted for ENV HEALTH major students; or non-majors who have taken 6102. Non-majors

needing permission to register for this class can write to enhsss@umn.edu; Simcik, Matt, 2 cr

6102 Issues in Environmental Health

(Credit will not be granted if credit has been received for: PUBH 3102; A-F; prereq Public health [MPH or MHA or certificate] student or health journalism MA major or nursing MS student or instr consent)

24224 320 IND, instruction mode: Correspondence; NO CREDIT granted for ENV HEALTH major students or non-majors who have taken 6101. Students needing a permission # can email enhsss@umn.edu to get on a waiting list; Lee PhD, Petrona, 2 cr

6103 Exposure to Environmental Hazards (A-F)

11465 1001 LEC, 05:45pm-07:40pm TTh, Room TBA, TCEASTBANK, 09/08/15-10/26/15, instruction mode: Classroom; Raynor, Peter Cameron, 2 cr

6104 Environmental Health Effects:

Introduction to Toxicology

(Credit will not be granted if credit has been received for: PUBH 3104; A-F; prereq Basic science coursework; undergrad coursework in [biology, chemistry, biochemistry] recommended)

11466 1001 LEC, 05:45pm-07:40pm TTh, Room TBA, TCEASTBANK, 10/27/15-12/16/15, instruction mode: Classroom; Recipient of C Hewitt Creative Tchg Award; Wattenberg, Elizabeth Vaughn, 2 cr

6106 Making Sense of Health Studies

(Credit will not be granted if credit has been received for: PUBH 3106; OPN)

26206 001 DIS, 12:20pm-02:15pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 22511 PUBH 3106; Maldonado, George, 2 cr

6115 Worker Protection Law

(credit will not be granted if credit received for: 5110)

20056 1001 LEC, 04:40pm-06:35pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Room TBA-contact instructor; Austin, Michael L, 1 cr

6131 Working in Global Health

17130 1001 LEC, 06:00pm-08:30pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; NOT open to undergrads; Hamilton, Karin Elizabeth, 2 cr

6132 Air, Water, and Health

(A-F)
17987 001 LEC, 09:05am-11:00am W, Room TBA, TCEASTBANK, instruction mode: Classroom; Simcik, Matt, 2 cr

6134 Sustainable Development and Global Public Health

(prereq Credit will not be granted if received for 6100 or 6365)

24183 001 LEC, 01:25pm-03:20pm TTh, Mayo 1250, 09/08/15-10/26/15, instruction mode: Classroom; Toscano PhD, William A, 2 cr

6151 Occupational and Environmental Health Nursing Seminar

(max crs 6; 6 repeats allowed; S-N; prereq Enrolled in OEHN program, MS, MPH, PhD degrees)

24248 001 LEC, instruction mode: Classroom; meeting and room tba; McGovern, Patricia Marie, 1 cr

6162 Biomarkers

(A-F; prereq Introductory courses in toxicology and exposure analysis recommended (6103, 6104 or equivalent) or instr consent)

26408 1001 LEC, 05:45pm-07:40pm M, Mayo 1250, instruction mode: Classroom; Stepanov, Irina, 2 cr

6170 Introduction to Occupational Health and Safety

(Credit will not be granted if credit has been received for: NURS 5170; prereq Environmental health major or instr consent)

16146 001 LEC, 02:30pm-05:30pm W, Mayo 1250, instruction mode: Classroom; Bey, Jean M. Alberg; McGovern, Patricia Marie, 3 cr

6181 Surveillance of Foodborne Diseases and Food Safety Hazards

(Credit will not be granted if credit has been received for: VMED 5165; prereq 6320 or 6330 or 6341 or instr consent)

21897 001 LEC, 03:30pm-05:30pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Hedberg, Craig W, 2 cr

6190 Environmental Chemistry

(prereq One course each in [gen chem, org chem] or instr consent)

15084 001 LEC, 09:45am-11:00am TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Simcik, Matt, 3 cr

6200 Topics: Foundations of Interprofessional Communication and Collaboration

(max crs 80; 20 repeats allowed; S-N; prereq [MHA or MPH or MS] student)

21127 001 LEC, 01:30pm-03:30pm F, Room TBA, TCEASTBANK, 01:30pm-03:30pm F, Room TBA, TCEASTBANK, 01:30pm-03:30pm F, Room TBA, TCEASTBANK, 01:30pm-03:30pm F, Room TBA, TCEASTBANK, 01:30pm-03:30pm F, Room TBA, TCEASTBANK, 01:30pm-03:30pm F, Room TBA, TCEASTBANK, instruction mode: Partially Online; Class meets only on October 10, 24, 31 and November 7, 14, 21.; Miles, Aida, 0.50-4 cr

6301 Fundamentals of Clinical Research

(Credit will not be granted if credit has been received for: PUBH 6305; prereq Clinical Research major or instr consent)

13563 001 LEC, 11:15am-01:10pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Luepker MD, Russell Vincent; Lakshminarayan, Kamakshi, 3 cr

6320 Fundamentals of Epidemiology

(A-F; prereq AHC or instr consent)

001 LEC, 03:35pm-05:30pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Widome, Rachel L
10815 002 LAB, 03:35pm-05:30pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact Andrea Kish at kish@umn.edu.; Widome, Rachel L, 3 cr
10816 003 LAB, 03:35pm-05:30pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact Andrea Kish at kish@umn.edu.; Widome, Rachel L, 3 cr
17961 200 LEC, instruction mode: Correspondence; This section is for Rochester students only.; 5 seats reserved for PubH Rochester Students; Punyko, Judy, 3 cr
17960 320 LEC, instruction mode: Classroom; Correspondence; Students needing a permission number to register should contact Andrea Kish at kish@umn.edu.; 20 seats reserved for PubH Online Students; Punyko, Judy, 3 cr

6325 Data Processing with PC-SAS

(prereq [Grad-level biostatistics course, [grad student or PubH student]] or instr consent)

001 LEC, 09:00am-11:00am S, Room TBA, TCEASTBANK, 09/12/15-10/03/15, instruction mode: Classroom; Oakes, Michael
17771 002 LAB, 12:00pm-02:00pm S, Mayo C381, 09/12/15-10/03/15, instruction mode: Classroom; Oakes, Michael, 1 cr
18058 003 LAB, 02:15pm-04:15pm S, Mayo C381, 09/12/15-10/03/15, instruction mode: Classroom; Oakes, Michael, 1 cr

6341 Epidemiologic Methods I

(max crs 6; A-F; prereq AHC student or instr consent)

17780 001 LEC, 03:35pm-04:50pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact Andrea Kish at kish@umn.edu.; 25 seats reserved for PubH: Epi or CR major; Mason, Susan Marshall; Lutsey, Pamela Lynne, 3 cr
17781 002 LEC, 04:15pm-05:30pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact Andrea Kish at kish@umn.edu.; 10 seats reserved for PubH: Epi or CR major; Kulasingam, Shalini L, 3 cr

6343 Epidemiologic Methods III

(prereq [6342, 6451] with a grade of at least B- or instr consent)

18475 001 LEC, 01:25pm-03:20pm MW, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact Andrea Kish at kish@umn.edu.; Schreiner, Pamela Jean, 4 cr

6348 Writing Research Grants

(A-F; prereq [[6341 or 8341], [6450 or 7401], [Epidemiology PhD or Clinical Research MS student]] or instr consent)

12067 001 LEC, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; This section is for Clinical Research MS students.; 15 seats reserved for PubH: CR major; Luepker MD, Russell Vincent, 2 cr

15085 002 LEC, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; This section is for Epidemiology PhD students.; 15 seats reserved for PubH: Epi PhD major; Pereira PhD, Mark A, 2 cr

6350 Epidemiologic Methods III: Lab

(prereq 6325 or Concurrent registration is required (or allowed) in 6325 or 6343 or Concurrent registration is required (or allowed) in 6343 or 6420 or Concurrent registration is required (or allowed) in 6420 or instr consent)

22614 001 LAB, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, 09/14/15-09/14/15, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, 09/28/15-09/28/15, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, 10/12/15-10/12/15, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, 10/26/15-10/26/15, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, 11/09/15-11/09/15, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, 11/30/15-11/30/15, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, 12/07/15-12/07/15, instruction mode: Classroom; Students must be taking PubH 6343 concurrently or have already take PubH 6343. Students must also purchase and install the student version of PC-SAS on their own laptop computer. If that is not possible a computer will be provided for use in class. If you need a permission number to register contact Andrea Kish at kish@umn.edu; Schreiner, Pamela Jean, 1 cr

22615 002 LAB, 03:35pm-05:30pm W, Room TBA, TCEASTBANK, 09/16/15-09/16/15, 03:35pm-05:30pm W, Room TBA, TCEASTBANK, 09/30/15-09/30/15, 03:35pm-05:30pm W, Room TBA, TCEASTBANK, 10/14/15-10/14/15, 03:35pm-05:30pm W, Room TBA, TCEASTBANK, 10/28/15-10/28/15, 03:35pm-05:30pm W, Room TBA, TCEASTBANK, 11/11/15-11/11/15, 03:35pm-05:30pm W, Room TBA, TCEASTBANK, 12/02/15-12/02/15, 03:35pm-05:30pm W, Room TBA, TCEASTBANK, 12/09/15-12/09/15, instruction mode: Classroom; Students must be taking PubH 6343 concurrently or have already take PubH 6343. Students must also purchase and install the student version of PC-SAS on their own laptop computer. If that is not possible a computer will be provided for use in class. If you need a permission number to register contact Andrea Kish at kish@umn.edu; Pankow, Jim, 1 cr

6355 Pathophysiology of Human Disease

(prereq Epidemiology major or public health nutrition major or instr consent)

001 LEC, 08:15am-09:30am TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Tang, Weihong; Prizment, Anna E

15555 002 LAB, 11:15am-01:10pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Tang, Weihong; Prizment, Anna E, 4 cr

6365 Epidemiology of Global Health

(prereq [6320, 6341, instr consent] or master's or doctoral level student in School of Public Health)

24311 001 LEC, 11:15am-01:10pm MW, Room TBA, TCEASTBANK, 09/08/15-10/26/15, instruction mode: Classroom; Lifson, Alan Raymond, 2 cr

6381 Genetics in Public Health

(prereq Grad student or professional school student or instr consent)

25377 001 LEC, 11:15am-01:10pm M, STSS 432B, instruction mode: Classroom; Demerath, Ellen Wrchota, 2 cr

6386 Public Health Aspects of

Cardiovascular Disease

(prereq [[6330 or 6341], 6450, epidemiology major] or instr consent)

10991 001 LEC, 09:05am-11:00am M, Room TBA, TCEASTBANK, instruction mode: Classroom; Epidemiology MPH program students should take this course in their second year of study.; Folsom, Aaron R, 2 cr

6389 Nutritional Epidemiology

(prereq [[6320 or 6330 or 6341], [Epidemiology MPH or Public Health Nutrition MPH or Epidemiology PhD student]] or instr consent)

14573 001 LEC, 01:25pm-03:20pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Harnack, Lisa Joan, 2 cr

6390 Topics: Epidemiology

(max crs 80; 20 repeats allowed)

31299 001 LEC, 11:15am-01:10pm MW, Room TBA, TCEASTBANK, 09/08/15-10/26/15, instruction mode: Classroom; Topic prereq - Public Health grad student or instr consent; Lifson, Alan Raymond, 0.50-4 cr; Foundations of Global Health

6414 Biostatistical Literacy

(A-F; prereq MPH or certificate student or environmental health or instr consent)

001 LEC, 09:45am-11:00am TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact the Division of Biostatistics main office at 612-624-4655.; Brearley, Ann M.

15170 002 LAB, 12:20pm-01:10pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact the Division of Biostatistics main office at 612-624-4655.; Brearley, Ann M., 3 cr

15171 003 LAB, 08:00am-08:50am W, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact the Division of Biostatistics main office at 612-624-4655.; Brearley, Ann M., 3 cr

15172 004 LAB, 03:35pm-04:25pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact the Division of Biostatistics main office at 612-624-4655.; Brearley, Ann M., 3 cr

16877 200 LEC, instruction mode: Correspondence; This section is for Rochester students only.; 3 seats reserved for PubH Rochester Students; Le, Laura Jean, 3 cr

15276 320 LEC, instruction mode: Correspondence; Students needing a permission number to register should contact the Division of Biostatistics main office at 612-624-4655.; 30 seats reserved for PubH Online Students; Le, Laura Jean, 3 cr

6420 Introduction to SAS Programming

10948 001 LEC, 11:15am-12:05pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Requires PC SAS version 9.2 or higher (1 year license available from U of M Office of Information Technology (OIT) -http://www.oit.umn.edu/utools/all-software/index.htm - for \$35. Contact Office of Information Technology (OIT) before the start of the class to verify you have the necessary system requirements. For further information, contact instructor at: grand001@umn.edu.; Grandits, Gregory Alan, 1 cr

6450 Biostatistics I

(A-F; prereq [College-level algebra, health sciences grad student] or instr consent)

001 LEC, 01:25pm-03:20pm TTh, PWB 2-470, instruction mode: Classroom; Telke, Susan Elizabe

14128 002 LAB, 09:05am-09:55am M, Mayo C381, instruction mode: Classroom; Telke, Susan Elizabe, 4 cr

14129 003 LAB, 05:45pm-06:35pm T, Mayo C381, instruction mode: Classroom; Telke, Susan Elizabe, 4 cr

15087 004 LAB, 09:05am-09:55am W, Mayo C381, instruction mode: Classroom; Telke, Susan Elizabe, 4 cr

14130 005 LAB, 12:20pm-01:10pm T, Mayo C381, instruction mode: Classroom; Telke, Susan Elizabe, 4 cr

14131 006 LAB, 12:20pm-01:10pm W, Mayo C381, instruction mode: Classroom; Telke, Susan Elizabe, 4 cr

16819 007 LAB, instruction mode: Classroom, 4 cr

24084 320 LEC, instruction mode: Correspondence; This section (Section 9) includes both the lecture and lab components.; Leduc, Robert Edgar, 4 cr

6451 Biostatistics II

(prereq [[6420, 6450] with grade of at least B, health sciences grad student] or instr consent)

34667 320 LEC, instruction mode: Correspondence, 4 cr

6470 SAS Procedures and Data Analysis

(prereq [6450, 6451] or [7405, 7406] or [Stat 5101, Stat 5102])

18424 001 LEC, 11:15am-12:30pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Connett, John E, 3 cr

6535 Managerial Accounting for Health Services

(A-F only; prereq AHC student or instr consent ; experience with spreadsheets such as Excel or Lotus recommended)

23904 001 LEC, 01:25pm-04:30pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Priore, Richard, 3 cr

6541 Statistics for Health Management Decision Making

(prereq Health care admin student or instr consent)

13000 001 LEC, 08:15am-11:00am Th, Room TBA, TCEASTBANK, 03:30pm-04:30pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Abraham, Jean Marie, 3 cr

6542 Management of Health Care Organizations

(A-F only; prereq Health care admin student)

001 LEC, 01:25pm-03:20pm Th, CarlSMgmt L-118, instruction mode: Classroom; Begun, James Warren; Hart, Gregory Wayne

16371 002 DIS, 09:05am-12:05pm M, . NORMREQD, instruction mode: Classroom; Hart, Gregory Wayne; Begun, James Warren, 3 cr

6555 Topics in Health Economics

(A-F)

19799 002 LEC, 08:15am-09:55am W, Room TBA, TCEASTBANK, instruction mode: Classroom; Abraham, Jean Marie, 2 cr

6556 Health and Health Systems

(A-F only)

13413 001 LEC, 09:05am-11:45am T, Room TBA, TCEASTBANK, instruction mode: Classroom; Christianson, Jon B, 3 cr

6558 Health Finance II

(A-F; prereq [[Health care admin or PubH admin/policy] student, familiarity with computerized spread-sheets]] or instr consent)

19800 001 LEC, 01:25pm-03:20pm TW, Room TBA, TCEASTBANK, instruction mode: Classroom; McCullough, Jeffrey S, 3 cr

6562 Information Technology in Health Care

14662 001 LEC, 05:45pm-09:05pm T, HMH 1-106, 10/27/15-12/16/15, instruction mode: Classroom; Meets with: 17372 MILI 6562, 2 cr

6563 Integrated Delivery Systems

(A-F; prereq Hlth care admin student or instr consent)

21027 001 LEC, 10:10am-12:05pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Zismer, Daniel Kevin, 2 cr

6564 Private Purchasers of Health Care: Roles of Employers and Health Plans in U.S. Health Care System

(A-F only; prereq MHA or MBA or HSRP or PHA student or instr consent)

18397 001 LEC, 01:25pm-03:20pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Christianson, Jon B, 2 cr

6565 Innovation of Healthcare Services

(A-F; prereq MHA student only)

19689 001 LEC, 08:00am-12:00pm F, Room TBA, TCEASTBANK, 09/11/15-09/11/15, 08:00am-12:00pm F, Room TBA, TCEASTBANK, 09/25/15-09/25/15, 08:00am-12:00pm F, Room TBA, TCEASTBANK, 10/09/15-10/09/15, 08:00am-12:00pm F, Room TBA, TCEASTBANK, 10/23/15-10/23/15, 08:00am-12:00pm F, Room TBA, TCEASTBANK, 11/06/15-11/06/15, 08:00am-12:00pm F, Room TBA, TCEASTBANK, 11/20/15-11/20/15, instruction mode: Classroom; Armbruster, Ryan Richard, 2 cr

6568 Interprofessional Teamwork in Health Care

(prereq [Public health MPH or MHA or certificate student] or [health services research, policy/admin] MS student or instr consent)

19817 001 LEC, 10:10am-12:05pm Th, Room TBA, TCEASTBANK, 10/08/15-10/08/15, 10:10am-12:05pm Th, Room TBA, TCEASTBANK, 10/22/15-10/22/15, 10:10am-12:05pm Th, Room TBA, TCEASTBANK, 11/05/15-11/05/15, 10:10am-12:05pm Th, Room TBA, TCEASTBANK, 11/12/15-11/12/15, instruction mode: Classroom; This class also meets with FIPCC which meets from 1:30-3:30 on October 10, October 24, October 31, November 7, November 14, November 21; Gilliam, Thomas Richard, 2 cr

6613 Children and Youth With Special Health Care Needs

(prereq Graduate-level student in [AHC programs or education or social work or psychology])

22166 320 LEC, instruction mode: Correspondence; Bonilla, Zobeida E., 2 cr

6617 Practical Methods for Secondary Data Analysis

(prereq Graduate level student or instr consent)

16189 001 LEC, 08:15am-09:30am TTh, Mayo C381, instruction mode: Classroom; Oakes, Michael, 3 cr

6630 Foundations of Maternal and Child Health Leadership

(Credit will not be granted if credit has been received for: PUBH 6655; prereq Public Health MCH major or instr consent)

15680 001 LEC, 11:15am-12:30pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Bonilla, Zobeida E., 3 cr

6634 Advocacy and Children's Rights

(prereq Public health student or grad student or instr consent)

34876 001 LEC, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Cooksey, Shelley; Gilchrist, Lauren Davida, 2 cr

6675 Women's Health

(prereq Public health student or health sciences grad student or instr consent)

34878 001 LEC, 01:25pm-03:30pm WF, Room TBA, TCEASTBANK, 09/08/15-10/26/15, instruction mode: Classroom; Hellerstedt, Wendy L, 2 cr

6700 Foundations of Public Health

11968 001 LEC, 09:45am-12:30pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should e-mail a request, including student ID number, to Andy Le at lexx0122@umn.edu; Marmor, Schelomo; Virnig, Beth A., 3 cr

6702 Integrative Leadership Seminar

(prereq University of Minnesota doctoral student or master's student, Integrative Leadership minor)

24175 /001 SEM, 06:00pm-08:45pm T, CarlSMgmt L-114, instruction mode: Classroom; This course is delivered concurrently with registration in this designator and MGMT 6402, OLPD 6402, and PA 5105. If this course shows as full, please check for space under the other three designators; there may be seats available. If all designators show as full, please contact Merrie Benasutti at the Center for Integrative Leadership (612-624-8300) for a permission number. She will have permission numbers for all four designators. All designators must be filled before any override permission numbers are issued.; Meets with: 26760 LAW 6623, 24313 MGMT 6402, 24136 OLPD 6402, 23883 PA 5105; Laird, Vanessa Ann; Quast, Louis Neumann, 3 cr

6717 Decision Analysis for Health Care

18571 001 LEC, 01:00pm-02:50pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Enns, Eva, 2 cr

6724 The Health Care System and Public Health

(prereq Public health or grad student or instr consent)

24444 002 LEC, 03:35pm-05:05pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should e-mail a request, including student ID number, to Andy Le at lexx0122@umn.edu; 30 seats reserved for Pub. Hlth Admin & Pol. M P H; Golberstein, Ezra, 3 cr

6729 Public Health Leadership

(OPN; prereq School of Public Health grad student or instr consent)

26296 /001 LEC, 05:45pm-07:25pm T, Room TBA, TCEASTBANK, 10/27/15-12/16/15, instruction mode: Classroom; Students needing a permission number to register should e-mail a request, including student ID number, to Andy Le at lexx0122@umn.edu; 30 seats reserved for Pub. Hlth Admin & Pol. M P H; Malcolm, Jan Kathleen, 1 cr

6741 Ethics in Public Health: Professional Practice and Policy

(A-F; prereq Public health [MPH or MHA or certificate] student or environmental health [MS or PhD] major or instr consent)

34882 200 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; PubH ROCHESTER students only.; 5 seats reserved for PubH Rochester Students; Mickelsen, Ruth Ann, 1 cr
24418 320 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; Students needing a permission number to register should e-mail a request, including student ID number, to Andy Le at lexx0122@umn.edu.; Mickelsen, Ruth Ann, 1 cr

6742 Ethics in Public Health: Research and Policy

(A-F; prereq Public health [MPH or certificate] student or [clinical research MS or Environmental health [MS or PhD] or epidemiology PhD or [health services research, policy/admin [MS or PhD]] major or instr consent)

14447 001 LEC, 12:20pm-02:15pm M, Room TBA, TCEASTBANK, 10/27/15-12/16/15, instruction mode: Classroom; Students needing a permission number to register should e-mail a request, including student ID number, to Richard Archer at arche071@umn.edu; Turner, Leigh, 1 cr

20006 200 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; This section is for Rochester students only.; Students needing a permission number to register should e-mail a request, including student ID number, to Richard Archer at arche071@umn.edu; 5 seats reserved for PubH Rochester Students; Turner, Leigh, 1 cr

19004 320 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; Students needing a permission number to register should e-mail a request, including student ID number, to Richard Archer at arche071@umn.edu; 10 seats reserved for PubH Online Students; Turner, Leigh, 1 cr

6751 Principles of Management in Health Services Organizations

(A-F; prereq [Public hith MPH or MHA or certificate] student or [environmental health MS or PhD] student or dentistry MS student or instr consent)

11987 001 LEC, 01:25pm-03:20pm MW, Room TBA, TCEASTBANK, 10/27/15-12/16/15, instruction mode: Classroom; Students needing a permission number to register should e-mail a request, including student ID number, to Andy Le lexx0122@umn.edu.; Wurtz, Rebecca, 2 cr

20164 200 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; This section is for Rochester students only.; 5 seats reserved for PubH Rochester Students; Begun, James Warren, 2 cr

19487 320 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; Students needing a permission number to register should e-mail a request, including student ID number, to Andy Le at lexx0122@umn.edu.; 15 seats reserved for PubH Online Students; Begun, James Warren, 2 cr

22694 321 LEC, 10/27/15-12/16/15, instruction mode: Correspondence; Students needing a permission number to register should e-mail a request, including student ID number, to Andy Le at lexx0122@umn.edu; Begun, James Warren, 2 cr

6755 Planning and Budgeting for Public Health

(OPN; prereq Academic Hlth Ctr grad student or instr consent)

19511 001 LEC, 09:05am-11:00am F, Room TBA, TCEASTBANK, instruction mode: Classroom; Students needing a permission number to register should contact Andy Le at lexx0122@umn.edu.; Barry, Anne M, 2 cr

6765 Continuous Quality Improvement: Methods and Techniques

17379 001 LEC, 10:10am-01:10pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; O'Neill, Kelly Marie; Pederson, Jane C, 3 cr

6780 Topics: Public Health Administration and Policy

(max crs 60; 20 repeats allowed; A-F)

23016 002 LEC, instruction mode: Correspondence; Students needing to register for this class should contact Heather Peterson at peter909@umn.edu; Karaca Mandic, Pinar, 1-3 cr

6801 Health and Human Rights

(prereq Grad student or professional student or instr consent)

18423 /001 LEC, 05:45pm-08:30pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Allison, Kirk Charles, 3 cr

6804 Community Mental Health

26489 001 LEC, 03:35pm-05:30pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; McAlpine, Donna D, 2 cr

6806 Principles of Public Health Research

(prereq Pub hith or grad or professional school student or instr consent)

12948 320 LEC, instruction mode: Correspondence; Shippee, Nathan D, 2 cr

6832 Economics of the Health Care System

(Credit will not be granted if credit has been received for: ECON 5890; prereq [[Grad or professional school] student, knowledge of [microeconomic analytical tools, analytical statistics]] or instr consent)

10894 001 LEC, 09:45am-11:00am TTh, BlegH 115, instruction mode: Classroom; Meets with: 14722 ECON 5890, 3 cr

6835 Principles of Health Policy

(prereq [Pub hith [MPH or certificate] or pub affairs MPA or healthcare admin [MHA or [health serv research, policy/admin [MS or PhD]] student or instr consent)

26498 001 LEC, 11:15am-01:10pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Kozhimannil, Katy Backes, 2 cr

6876 Public Health Systems Analysis and Development

(OPN; prereq Grad or professional student or instr consent)

26446 001 LEC, 08:15am-10:15am M, Room TBA, TCEASTBANK, instruction mode: Classroom; For permission number, contact Daniel Chan (chan0876@umn.edu.); Kreiger, Robert A, 2 cr

6877 Public Health Systems Analysis and Development - Practicum

(OPN; prereq Grad or professional student or instr consent, [completion of or Concurrent registration is required (or allowed) in 6876])

26447 001 DIS, 08:15am-10:15am W, Room TBA, TCEASTBANK, instruction mode: Classroom; Completion of or concurrent enrollment in the PubH6876 Public Health Systems Analysis and Development lecture course. For permission number, contact Daniel Chan (chan0876@umn.edu.); Kreiger, Robert A, 2 cr

6900 Topics: Public Health Nutrition (max crs 80; 20 repeats allowed)

24192 320 LEC, instruction mode: Correspondence; Topic prereq - students must have completed a basic human nutrition course, an obesity course or 1 year experience or permission of instructor.; Meets with: 24191 PUBH 3950; Larson, Nicole I, 0.50-4 cr

6901 Foundations of Public Health Nutrition Leadership

(prereq Public health nutrition major or instr consent)

13936 001 LEC, 10:10am-12:05pm W, Mayo 1250, instruction mode: Classroom; Stang, Jamie Sue, 2 cr

6902 Maternal, Infant, and Preschool Nutrition

(prereq [3xxx nutrition course or equiv], Public Health Nutr or MCH student or instr consent)

12105 001 LEC, 11:15am-01:10pm F, Room TBA, TCEASTBANK, instruction mode: Classroom; Stang, Jamie Sue, 2 cr

6903 Child and Adolescent Nutrition

(prereq Public health nutrition MPH or maternal/child health MPH degree student or instr consent)

12107 001 LEC, 01:25pm-03:20pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Stang, Jamie Sue, 2 cr

6905 Nutrition for Public Health Promotion and Disease Prevention

(Credit will not be granted if credit has been received for: PUBH 3905; prereq Grad student or instr consent)

12106 001 LEC, 03:35pm-05:30pm M, STSS 432A, instruction mode: Classroom; Meets with: 17096 PUBH 3905; Steffen PhD, Lyn M, 2 cr

6915 Nutrition Assessment

(prereq Public health nutrition major or instr consent)

001 LEC, 10:10am-12:05pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Himes, John H; Cusick, Sarah; Harnack, Lisa Joan
21339 002 LAB, 11:15am-01:10pm T, WBOB 305, 11:15am-01:10pm T, WBOB 305, 11:15am-01:10pm T, WBOB 305, instruction mode: Classroom; Lab Meets in 1-108 Moos; Himes, John H, 2 cr
21338 003 LAB, 03:35pm-05:30pm W, WBOB 305, 03:35pm-05:30pm W, WBOB 305, 03:35pm-05:30pm W, WBOB 305, instruction mode: Classroom; Lab Meets in 1-108 Moos; Himes, John H, 2 cr

6920 Foundations of Interprofessional Professional Communication and Collaboration

(S-N; prereq MPH student)

26754 001 LEC, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 10/09/15-10/09/15, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 10/23/15-10/23/15, 01:30pm-03:20pm F, Room TBA, TCEASTBANK, 11/06/15-11/06/15, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 11/20/15-11/20/15, 01:25pm-03:20pm F, Room TBA, TCEASTBANK, 12/04/15-12/04/15, instruction mode: Classroom; 2 cr

mode: Partially Online; class meets 10/10, 10/24/ 10/31, 11/7, 11/14 and 11/21; Miles, Aida, 1 cr

7091 Independent Study: Community Health Promotion

(max crs 20; 20 repeats allowed; prereq CHP major, instr consent)

15169 001 IND, instruction mode: Independent/Directed Studies; To register, contact Kathryn Schwartz at epichstu@umn.edu., 1-4 cr

7094 Culminating Experience: Community Health Promotion

(max crs 6; S-N; prereq CHP major, instr consent)

12247 001 IND, instruction mode: Independent/Directed Studies; To register, contact Kathryn Schwartz at epichstu@umn.edu.; Nelson, Toben F, 1-6 cr

7096 Field Experience: Community Health Promotion

(max crs 6; S-N; prereq CHP major, instr consent)

15482 001 FWK, instruction mode: Independent/Directed Studies; To register, contact Kathryn Schwartz at epichstu@umn.edu.; Jones-Webb, Rhonda Jean, 1-6 cr

7193 Directed Study: Environmental Health

(max crs 20; 20 repeats allowed; OPN; prereq instr consent)

15154 001 IND, instruction mode: Independent/Directed Studies; To register, contact Khosi Nkosi at enhsss@umn.edu.; Alexander, Bruce H, 1-4 cr
18666 003 IND, instruction mode: Independent/Directed Studies; Hedberg, Craig W, 1-4 cr

7194 Culminating Experience: Environmental Health

(max crs 25; 5 repeats allowed; S-N; prereq Environmental health major, instr consent)

11468 001 IND, instruction mode: Independent/Directed Studies; To register, contact Khosi Nkosi at enhsss@umn.edu.; Gerberich PhD, Susan Goodwin, 1-5 cr
11469 002 IND, instruction mode: Independent/Directed Studies; Ramachandran, Gurumurthy, 1-5 cr
11470 003 IND, instruction mode: Independent/Directed Studies; Toscano PhD, William A, 1-5 cr
11471 004 IND, instruction mode: Independent/Directed Studies; Wattenberg, Elizabeth Vaughn, 1-5 cr
11472 005 IND, instruction mode: Independent/Directed Studies; Hedberg, Craig W, 1-5 cr
18590 006 IND, instruction mode: Independent/Directed Studies; McGovern, Patricia Marie, 1-5 cr
18591 007 IND, instruction mode: Independent/Directed Studies; Maldonado, George, 1-5 cr
18592 008 IND, instruction mode: Independent/Directed Studies; Raynor, Peter Cameron, 1-5 cr
18593 009 IND, instruction mode: Independent/Directed Studies; Mandel, Jeffrey H, 1-5 cr
18594 010 IND, instruction mode: Independent/Directed Studies; Simcik, Matt, 1-5 cr
21208 011 IND, instruction mode: Independent/Directed Studies; , 1-5 cr
21209 012 IND, instruction mode: Independent/Directed Studies; Osterholm, Michael T, 1-5 cr
22056 013 IND, instruction mode: Independent/Directed Studies; Alexander, Bruce H, 1-5 cr
22057 014 IND, instruction mode: Independent/Directed Studies; Peterson, Lisa Ann, 1-5 cr
22094 015 IND, instruction mode: Independent/Directed Studies; Stepanov, Irina, 1-5 cr
24719 016 IND, instruction mode: Classroom, 1-5 cr

7196 Field Experience: Environmental Health

(max crs 5; 5 repeats allowed; S-N only; prereq Environmental health major, instr consent)

11473 001 FWK, instruction mode: Independent/Directed Studies; To register, contact Khosi Nkosi at enhsss@umn.edu.; Simcik, Matt, 1-5 cr
15150 002 FWK, instruction mode: Independent/Directed Studies; Gerberich PhD, Susan Goodwin, 1-5 cr
15151 003 FWK, instruction mode: Independent/Directed Studies; Hedberg, Craig W, 1-5 cr
15152 004 FWK, instruction mode: Independent/Directed Studies; Peterson, Lisa Ann, 1-5 cr
15153 005 FWK, instruction mode: Independent/Directed Studies; McGovern, Patricia Marie, 1-5 cr
18595 006 FWK, instruction mode: Independent/Directed Studies; Ramachandran, Gurumurthy, 1-5 cr
18596 007 FWK, instruction mode: Independent/Directed Studies; Brosseau, Lisa M, 1-5 cr
18597 008 FWK, instruction mode: Independent/Directed Studies; Wattenberg, Elizabeth Vaughn, 1-5 cr
18598 009 FWK, instruction mode: Independent/Directed Studies; Stepanov, Irina, 1-5 cr

18599 010 FWK, instruction mode: Independent/Directed Studies; Mandel, Jeffrey H, 1-5 cr
21234 011 FWK, instruction mode: Independent/Directed Studies; Toscano PhD, William A, 1-5 cr
21235 012 FWK, instruction mode: Independent/Directed Studies; Osterholm, Michael T, 1-5 cr
21828 013 FWK, instruction mode: Independent/Directed Studies; Raynor, Peter Cameron, 1-5 cr
21829 014 FWK, instruction mode: Independent/Directed Studies; Maldonado, George, 1-5 cr
21830 015 FWK, instruction mode: Independent/Directed Studies; Alexander, Bruce H, 1-5 cr

7291 Independent Study: Public Health Practice

(max crs 2; S-N; prereq Public health practice MPH major, instr consent)

17002 001 IND, instruction mode: Independent/Directed Studies; To register, please contact the Public Health Practice Major office at php@umn.edu.; Waters, Katherine Cecilia, 0.50-2 cr

7294 Master's Project: Public Health Practice

(max crs 12; 3 repeats allowed; S-N; prereq Public health practice MPH major, instr consent)

15485 001 IND, instruction mode: Independent/Directed Studies; To register, please contact the Public Health Practice Major office at php@umn.edu.; Minicucci, Larissa A, 0.50-4 cr

7296 Field Experience: Public Health Practice

(Credit will not be granted if credit has been received for: CVM 6516; max crs 24; 4 repeats allowed; S-N; prereq Public health practice MPH major, instr consent)

15354 001 FWK, instruction mode: Independent/Directed Studies; To register, please contact the Public Health Practice Major office at php@umn.edu.; Minicucci, Larissa A, 0.50-6 cr

7391 Independent Study: Epidemiology

(max crs 4; 4 repeats allowed; prereq [EPI major or grad student], instr consent)

15163 001 IND, instruction mode: Independent/Directed Studies; To register, contact Shelley Cooksey at epichstu@umn.edu., 1-4 cr

7392 Readings in Epidemiology

(max crs 4; 4 repeats allowed; prereq Epidemiology major, instr consent)

18064 001 IND, instruction mode: Independent/Directed Studies; To register, contact Shelley Cooksey at epichstu@umn.edu.; French, Simone A, 1-4 cr

7394 Culminating Experience:

Epidemiology

(max crs 6; S-N; prereq Epidemiology MPH student, instr consent)

17972 001 IND, instruction mode: Independent/Directed Studies; To register, contact Shelley Cooksey at epichstu@umn.edu.; Nguyen, Ruby H.N., 1-6 cr

7396 Field Experience: Epidemiology

(max crs 5; S-N; prereq Epidemiology major, instr consent)

15488 001 FWK, instruction mode: Independent/Directed Studies; To register, contact Shelley Cooksey at epichstu@umn.edu.; Lifson, Alan Raymond, 1-5 cr

7401 Fundamentals of Biostatistical Inference

(prereq Background in calculus; intended for PhD students in public hith and other hith sci who need rigorous approach to probability/statistics and statistical inference with applications to research in public hith)

18496 001 LEC, 12:20pm-02:15pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Vock, David M, 4 cr

7405 Biostatistics: Regression

(prereq [[Stat 5101 or Concurrent registration is required (or allowed) in Stat 5101], biostatistics major] or instr consent)

001 LEC, 10:10am-12:05pm MW, Room TBA, TCEASTBANK, instruction mode: Classroom; Le, Chap T., 4 cr
15057 002 LAB, 11:15am-12:05pm T, Mayo C381, instruction mode: Classroom; 10 seats reserved for Biostatistics major; Le, Chap T., 4 cr
22933 003 LAB, 01:25pm-02:15pm T, Mayo C381, instruction mode: Classroom; Le, Chap T., 4 cr

7415 Introduction to Clinical Trials

(prereq 6414 or 6450 or one semester graduate-level introductory biostatistics or statistics or instr consent)

22571 320 LEC, instruction mode: Correspondence; This course was taught as PubH 7400 during Spring 2011, Summer 2011, and Spring 2012.; Telke, Susan Elizabe, 3 cr

7430 Statistical Methods for Correlated Data

(prereq [[6420 or equiv], [6451 or 6406 or Stat 5303 or equiv], familiarity with matrix notation] or instr consent)

15088 001 LEC, 09:45am-11:00am TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Wolfson, Julian, 3 cr

7445 Statistics for Human Genetics and Molecular Biology

(prereq [6450, [6451 or equiv]] or instr consent ; background in molecular biology recommended)

17594 001 LEC, 01:25pm-02:15pm MWF, Mayo C381, instruction mode: Classroom; Reilly, Cavan Sheerin; Ho, Yen-Yi, 3 cr

7450 Survival Analysis

(prereq 7406, 7407, [STAT 5102 or STAT 8102])

10962 001 LEC, 02:30pm-03:45pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Chu, Haitao, 3 cr

7460 Advanced Statistical Computing

(prereq [7405, biostatistics major, [C or FORTRAN]] or instr consent)

34680 001 LEC, 08:15am-09:30am TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Lock, Eric, 3 cr

7470 Statistics for Translational and Clinical Research

(prereq [[6450, 6451] or equiv], [grad student in biostatistics or statistics or clinical research], familiarity with SAS)

25806 001 LEC, 11:15am-12:30pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Le, Chap T., 3 cr

7494 Culminating Experience: Biostatistics

(max crs 3; S-N; prereq Biostatistics major, instr consent)

13475 001 IND, instruction mode: Independent/Directed Studies; To register, contact Sally Olander at brown198@umn.edu.; Bandyopadhyay, Dipankar, 1-3 cr
14553 002 IND, instruction mode: Independent/Directed Studies; Le, Chap T., 1-3 cr

7496 Biostatistics: Field Experience

(max crs 6; S-N; prereq Biostatistics MPH student)

17606 001 FWK, instruction mode: Independent/Directed Studies; To register, contact Sally Olander at brown198@umn.edu., 1-6 cr

7537 Health Finance II

(A-F)

24468 200 LEC, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for students in the Executive MHA Program. Rochester.; McCullough, Jeffrey S, 3 cr
25610 320 LEC, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for students in the Executive MHA Program.; McCullough, Jeffrey S, 3 cr

7553 Health Care Management Ethics

(max crs 2; A-F)

24403 200 LEC, 11/03/15-12/23/15, instruction mode: Correspondence; Reserved for Executive MHA Students. ROCHESTER.; Drill-Mellum, Richard D, 1 cr
24402 320 LEC, 11/03/15-12/23/15, instruction mode: Correspondence; Reserved for Executive MHA Students.; Drill-Mellum, Richard D, 1 cr

7560 Operations Research and Quality in Health Care

(A-F)

24399 001 LEC, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for Executive MHA Students.; Pothoff, Sandra Jean, 3 cr
24400 200 LEC, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for Executive MHA Students. ROCHESTER.; Pothoff, Sandra Jean, 3 cr
24733 201 LEC, 08/07/15-06/15/16, instruction mode: Classroom, 3 cr
25615 320 LEC, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for Executive MHA Students., 3 cr

7566 The Henry Capstone: Core Concepts in Managing Health Care Organizations

(max crs 2; S-N)
 24406 001 IND, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for Executive MHA Program., 1-2 cr
 24407 200 IND, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for Executive MHA Program. ROCHESTER; Gilliam, Thomas Richard, 1-2 cr
 25619 320 IND, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for Executive MHA Program., 1-2 cr

7572 Health Care Strategies in Competitive Markets

(A-F)
 24409 200 LEC, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for Executive MHA Program. ROCHESTER; Zismer, Daniel Kevin, 2 cr
 24408 320 LEC, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for Executive MHA Program.; Zismer, Daniel Kevin, 2 cr

7573 Managing the Embedded Medical Practice

(A-F)
 24401 200 LEC, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for Executive MHA Students. ROCHESTER.; Bauer, Paul J; Zismer, Daniel Kevin, 2 cr
 25622 320 LEC, 08/07/15-06/15/16, instruction mode: Correspondence; Reserved for Executive MHA Students., 2 cr

7580 Organizational Management in Long Term Care

(max crs 4)
 14513 001 LEC, 08:00am-04:00pm WThF, Room TBA, STPAUL, 09/09/15-09/11/15, instruction mode: Classroom; For more information and/or to register, contact Diane McClellan at 612-626-7349 or mcclle005@umn.edu.; Grant, Leslie Alan, 2-4 cr

7582 Practicum in Long-Term Care Administration

(S-N only; prereq [7580, 7581, 7583] or [7587, 7588])
 13025 001 LEC, instruction mode: Classroom; For more information and/or to register, contact Diane McClellan at 612-626-7349 or mcclle005@umn.edu.; Grant, Leslie Alan, 4 cr

7584 Health Care and Medical Needs

(A-F only)
 13026 001 LEC, 08:00am-04:00pm W, . NORMREQD, OFFCAMPUS, 10/07/15-10/07/15, instruction mode: Classroom; For more information and/or to register, contact Diane McClellan at 612-626-7349 or mcclle005@umn.edu.; Grant, Leslie Alan, 2 cr

7588 Information Uses in Long-Term Care

(A-F only; prereq Some knowledge of computers)
 13886 001 LEC, 08:00am-04:00pm ThF, . NORMREQD, OFFCAMPUS, 10/08/15-10/09/15, instruction mode: Classroom; For more information and/or to register, contact Diane McClellan at 612-626-7349 or mcclle005@umn.edu.; Potthoff, Sandra Jean, 2 cr

7591 Independent Study: Health Care

Administration
 (max crs 20; 20 repeats allowed; prereq instr consent)
 17453 001 IND, instruction mode: Independent/Directed Studies; To register, contact Diane McClellan at mcclle005@umn.edu.; Grant, Leslie Alan, 1-4 cr

7691 Independent Study: Maternal and

Child Health
 (max crs 20; 20 repeats allowed; prereq Maternal/child health major, instr consent)
 13430 001 IND, instruction mode: Independent/Directed Studies; To register, contact Kathryn Schwartz at epichstu@umn.edu.; Stang, Jamie Sue, 1-4 cr

7694 Culminating Experience: Maternal and Child Health

(max crs 4; S-N; prereq Maternal/child health major, instr consent)
 13431 001 IND, instruction mode: Independent/Directed Studies; To register, contact Kathryn Schwartz at epichstu@umn.edu.; Demerath, Ellen Wrchota, 1-4 cr
 26980 006 IND, instruction mode: Classroom, 1-4 cr
 26979 007 IND, instruction mode: Classroom, 1-4 cr
 26978 008 IND, instruction mode: Classroom, 1-4 cr
 26981 009 IND, instruction mode: Classroom, 1-4 cr

7696 Field Experience: Maternal and Child Health

(max crs 4; S-N; prereq Maternal/child health major, instr consent)
 13429 001 FWK, instruction mode: Independent/Directed Studies; To register, contact Kathryn Schwartz at epichstu@umn.edu.; Nguyen, Ruby H.N., 1-4 cr

7784 Master's Project Seminar: PHAP and HSRP&A

(max crs 2; A-F; prereq Public health administration/policy major or health services research/policy/administration major)
 17504 001 LEC, 03:35pm-05:30pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; McAlpine, Donna D, 1 cr

7791 Independent Study: HDIC Seminar

(max crs 4; 4 repeats allowed; prereq Public hltl admin/policy major, instr consent)
 13337 001 IND, instruction mode: Independent/Directed Studies; To register, please contact Andy Le at lex0122@umn.edu.; , 1-4 cr

7796 Field Experience: Public Health

Administration and Policy
 (S-N only; prereq Public health administration /policy major, instr consent)
 13338 001 FWK, instruction mode: Independent/Directed Studies; To register, contact Andy Le at lex0122@umn.edu.; Le, Andy; McAlpine, Donna D, 2 cr

7894 MS in Health Services Research, Policy, and Administration Plan B Project

(max crs 4; S-N; prereq [Health Services Research, Policy/Administration] MS student)
 17353 001 IND, instruction mode: Independent/Directed Studies; To register, contact Maureen Andrew at andre031@umn.edu.; Kuntz, Karen M, 2 cr
 17354 002 IND, instruction mode: Independent/Directed Studies; Kozhimannil, Katy Backes, 2 cr
 17355 003 IND, instruction mode: Independent/Directed Studies; Nyman, John A., 2 cr

7894 MS in Health Services Research, Policy, and Administration Plan B Project

(max crs 4; S-N; prereq [Health Services Research, Policy/Administration] MS student)
 17353 001 IND, instruction mode: Independent/Directed Studies; To register, contact Maureen Andrew at andre031@umn.edu.; Kuntz, Karen M, 2 cr
 17354 002 IND, instruction mode: Independent/Directed Studies; Kozhimannil, Katy Backes, 2 cr
 17355 003 IND, instruction mode: Independent/Directed Studies; Nyman, John A., 2 cr
 17356 004 IND, instruction mode: Independent/Directed Studies; Wholey, Douglas R, 2 cr
 17357 005 IND, instruction mode: Independent/Directed Studies; McAlpine, Donna D, 2 cr
 18541 006 IND, instruction mode: Independent/Directed Studies; Potthoff, Sandra Jean, 2 cr
 18542 007 IND, instruction mode: Independent/Directed Studies; , 2 cr
 18543 008 IND, instruction mode: Independent/Directed Studies; Call PhD, Kathleen Thiede, 2 cr
 18544 009 IND, instruction mode: Independent/Directed Studies, 2 cr
 18545 010 IND, instruction mode: Independent/Directed Studies, 2 cr

7991 Independent Study: Public Health

Nutrition
 (max crs 20; 20 repeats allowed; prereq [PubH Nutr MPH student or Nutr grad student], instr consent)
 15491 001 IND, instruction mode: Independent/Directed Studies; To register, contact Shelley Cooksey at epichstu@umn.edu.; Neumark-Sztainer, Dianne Ruth, 1-4 cr

7994 Culminating Experience: Public

Health Nutrition
 (max crs 6; S-N; prereq PubH Nutr major, instr consent)
 15492 001 IND, instruction mode: Independent/Directed Studies; To register, contact Shelley Cooksey at epichstu@umn.edu.; Harnack, Lisa Joan, 1-6 cr

7996 Field Experience: Public Health

Nutrition
 (max crs 6; 6 repeats allowed; S-N; prereq Public health nutrition major, dept consent)
 15495 001 FWK, instruction mode: Independent/Directed Studies; To register, contact Shelley Cooksey at epichstu@umn.edu.; Miles, Aida, 1-6 cr

8100 Topics: Applied Analyses of

Occupational Health Data
 (max crs 80; 20 repeats allowed; prereq Doctoral student in occupational health studies. Prior coursework in epidemiology, statistics)
 26986 002 LEC, instruction mode: Classroom; Wattenberg, Elizabeth Vaughn, 1-4 cr

8120 Occupational Health and Safety Research Seminar

(max crs 12; 12 repeats allowed; S-N only; prereq [6120, [6330 or 6341], 6450, environmental health major, [OIPRTP specialty or equiv]] or instr consent)
 11476 001 LEC, 09:00am-11:00am F, Mayo 1155, instruction mode: Classroom; Alexander, Bruce H; Gerberich PhD, Susan Goodwin, 1 cr

8160 Advanced Toxicology

(A-F; prereq 6160, one course in biochem, one course in molecular biol, instr consent)
 11467 1001 LEC, 05:45pm-07:40pm TTh, MoosT 2-116, instruction mode: Classroom; Peterson, Lisa Ann, 2 cr

8161 Current Literature in Toxicology

(max crs 3; 3 repeats allowed; S-N only; prereq 6104)
 15175 001 LEC, 05:45pm-05:15pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Meeting dates/times TBA.; Peterson, Lisa Ann, 1 cr

8194 Directed Research: Environmental

Health
 (max crs 6; prereq instr consent)
 11475 001 IND, instruction mode: Independent/Directed Studies; To register, contact Khosi Nkosi at enhsss@umn.edu.; Ramachandran, Gurumurthy, 1-6 cr
 15155 002 IND, instruction mode: Independent/Directed Studies; McGovern, Patricia Marie, 1-6 cr
 15156 003 IND, instruction mode: Independent/Directed Studies; Toscano PhD, William A, 1-6 cr
 19475 004 IND, instruction mode: Independent/Directed Studies; Alexander, Bruce H, 1-6 cr
 19476 005 IND, instruction mode: Independent/Directed Studies; Gerberich PhD, Susan Goodwin, 1-6 cr
 19480 007 IND, instruction mode: Independent/Directed Studies; Mandel, Jeffrey H, 1-6 cr

8300 Topics: Epidemiology

(max crs 20; 20 repeats allowed)
 25361 001 LEC, 12:30pm-02:00pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Topic prereq - PubH 8341 and PubH 8342 or instr consent; Maclehoose, Richard F; Oakes, Michael, 1-4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
 14009 001 IND, instruction mode: Independent/Directed Studies; This section is for Biostatistics MS students., 1 cr
 14010 002 IND, instruction mode: Independent/Directed Studies; This section is for Clinical Research MS students., 1 cr
 14011 003 IND, instruction mode: Independent/Directed Studies; This section is for Environmental Health MS students., 1 cr
 14012 004 IND, instruction mode: Independent/Directed Studies; This section is for Health Services Research, Policy, and Administration MS students., 1 cr

8341 Advanced Epidemiologic Methods: Concepts

20898 001 LEC, 09:45am-11:00am TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Oakes, Michael; Alonso, Alvaro, 3 cr

8392 Readings in Clinical Research

(max crs 4; 4 repeats allowed; prereq Clinical research major, instr consent)
 15168 001 IND, instruction mode: Independent/Directed Studies; To register, contact Andrea Kish at kish@umn.edu.; Reding, Mark Thomas, 1-4 cr

8393 Directed Study: Clinical Research

(max crs 20; 20 repeats allowed; prereq Clinical research major, instr consent)
 14446 001 IND, instruction mode: Independent/Directed Studies; To register, contact Andrea Kish at kish@umn.edu.; Ross, Julie A, 1-4 cr

8401 Linear Models

(prereq [7405, Concurrent registration is required (or allowed) in STAT 8101] or instr consent], calculus, familiar with matrix/linear algebra)
 20707 001 LEC, 09:05am-11:00am MW, MoosT 2-116, instruction mode: Classroom; Guan, Weihua; Wu, Baolin, 4 cr

8403 Research Skills in Biostatistics

(S-N; prereq Stat 8101-02 and admission to PhD program in Biostatistics. The course is meant to be taken the fall before PhD written exam is attempted, so Schedule 2 students typically wait to enroll until second year in program.)
 26409 001 LEC, 02:30pm-03:20pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Carlin PhD, Bradley Paige, 1 cr

8422 Modern Nonparametrics

(prereq [7406, STAT 5102, [public health or grad student]] or instr consent)

22514 001 LEC, 02:30pm-03:45pm MF, MoosT 2-116, instruction mode: Classroom; Hughes, John, 3 cr

8432 Probability Models for Biostatistics

(prereq [7450, 7407, Stat 5102, [advanced biostatistics or statistics] major] or instr consent)

10990 001 LEC, 01:00pm-02:15pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Wu, Baolin, 3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14144 001 IND, instruction mode: Classroom; This section is for Biostatistics PhD students., 1 cr

14145 002 IND, instruction mode: Classroom; This section is for Environmental Health PhD students., 1 cr

14146 003 IND, instruction mode: Classroom; This section is for Epidemiology PhD students., 1 cr

14147 004 IND, instruction mode: Classroom; This section is for Health Services Research, Policy, and Administration PhD students., 1 cr

8482 Sequential and Adaptive Methods for Clinical Trials

(prereq Stat 8101-8102 or equivalent, [students should be comfortable with the multivariate normal distribution or instr consent])

34689 001 LEC, 09:45am-11:00am MW, Room TBA, TCEASTBANK, instruction mode: Classroom, 3 cr

8494 Directed Research: Biostatistics

(max crs 4; 4 repeats allowed; S-N; prereq instr consent)

13476 001 IND, instruction mode: Independent/Directed Studies; To register, contact Sally Olander at brown198@umn.edu.; Carlin PhD, Bradley Paige, 1-4 cr

14577 002 IND, instruction mode: Independent/Directed Studies; Chu, Haitao, 1-4 cr

14578 003 IND, instruction mode: Independent/Directed Studies; Banerjee, Sudipto, 1-4 cr

18550 004 IND, instruction mode: Independent/Directed Studies; Le, Chap T., 1-4 cr

18551 005 IND, instruction mode: Independent/Directed Studies, 1-4 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14259 001 IND, instruction mode: Independent/Directed Studies; This section is for Biostatistics PhD students., 1-6 cr

14260 002 IND, instruction mode: Independent/Directed Studies; This section is for Environmental Health PhD students., 1-6 cr

14261 003 IND, instruction mode: Independent/Directed Studies; This section is for Epidemiology PhD students. For a permission number contact Andrea Kish at kish@umn.edu, 1-6 cr

14262 004 IND, instruction mode: Independent/Directed Studies; This section is for Health Services Research, Policy, and Administration PhD students., 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14342 001 IND, instruction mode: Classroom; This section is for Biostatistics MS students., 1-18 cr

14343 002 IND, instruction mode: Classroom; This section is for Clinical Research MS students., 1-18 cr

14344 003 IND, instruction mode: Classroom; This section is for Environmental Health MS students., 1-18 cr

14345 004 IND, instruction mode: Classroom; This section is for Health Services Research, Policy, and Administration MS students., 1-18 cr

8801 Health Services Policy Analysis: Theory

(prereq [Grad or professional school] student or instr consent)

11017 001 LEC, 11:15am-02:15pm T, Room TBA, TCEASTBANK, instruction mode: Classroom; Dowd, Bryan E; Moscovice, Ira S, 3 cr

8810 Research Studies in Health Care

(max crs 6; prereq [Grad or professional school] student or instr consent)

10668 001 LEC, 09:05am-12:05pm M, Mayo 1250, instruction mode: Classroom; Rockwood, Todd H, 3 cr

8811 Research Methods in Health Care

(prereq [8810, [grad or professional school] student] or instr consent)

26073 001 LEC, 10:10am-11:40am MW, Room TBA, TCEASTBANK, instruction mode: Classroom; Dowd, Bryan E, 3 cr

8831 Writing for Research

(OPN; prereq 8830)

19660 001 LEC, 02:30pm-04:25pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Dowd, Bryan E; Kuntz, Karen M, 2 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required; For Environmental Health Students ONLY: Contact Director of Graduate Studies and the Graduate Student Coordinator.)

13775 001 IND, instruction mode: Classroom; This section is for Biostatistics PhD students., 1-24 cr

13776 002 IND, instruction mode: Classroom; This section is for Environmental Health PhD students., 1-24 cr

13777 003 IND, instruction mode: Classroom; This section is for Epidemiology PhD students., 1-24 cr

13778 004 IND, instruction mode: Classroom; This section is for Health Services Research, Policy, and Administration PhD students. For permission to register, contact Maureen Andrew: andre031@umn.edu, 1-24 cr

8893 Directed Study: Health Services**Research, Policy, and Administration**
(max crs 3; 3 repeats allowed; prereq HSRPA grad student, instr consent)

15157 001 IND, instruction mode: Independent/Directed Studies; To register, contact Maureen Andrew at andre031@umn.edu.; Virnig, Beth A., 1-3 cr

15158 002 IND, instruction mode: Independent/Directed Studies; Kane, Robert L, 1-3 cr

15159 003 IND, instruction mode: Independent/Directed Studies; Rockwood, Todd H, 1-3 cr

21963 004 IND, instruction mode: Classroom; Radosevich PhD, David M, 1-3 cr

21964 005 IND, instruction mode: Classroom; Allison, Kirk Charles, 1-3 cr

22089 006 IND, instruction mode: Classroom; Kuntz, Karen M, 1-3 cr

22090 007 IND, instruction mode: Classroom; Call PhD, Kathleen Thiede, 1-3 cr

23077 008 IND, instruction mode: Classroom; Nyman, John A., 1-3 cr

23078 009 IND, instruction mode: Classroom; Wholey, Douglas R, 1-3 cr

23079 010 IND, instruction mode: Classroom, 1-3 cr

8894 Directed Research: Health Services**Research, Policy, and Administration**
(max crs 8; 8 repeats allowed; prereq HSRPA grad student, instr consent)

15160 001 IND, instruction mode: Independent/Directed Studies; To register, contact Maureen Andrew at andre031@umn.edu.; Allison, Kirk Charles, 1-8 cr

15161 002 IND, instruction mode: Independent/Directed Studies; Nyman, John A., 1-8 cr

15162 003 IND, instruction mode: Independent/Directed Studies; McAlpine, Donna D, 1-8 cr

RADIOGRAPHY (Radi)*University of Minnesota Rochester, 300 University Square, 111 South Broadway, Rochester, MN, 55904
507/258-8457, r.umn.edu***3011 Foundations of Radiography**(A-F; meets CLE req of Technology and Society)
22144 001 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Anderson, Jill Marie, 3 cr**3101 Radiographic Procedures I**(A-F)
22145 001 LAB, 08/07/15-06/15/16, instruction mode: Classroom; Anderson, Jill Marie, 3 cr**3111 Radiation Physics**(A-F)
22146 001 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Anderson, Jill Marie, 2 cr**3301 Clinical Practicum I**

(A-F)

22147 001 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Anderson, Jill Marie, 5 cr

4101 Radiographic Procedures III

(A-F)

24253 001 LAB, instruction mode: Classroom; Anderson, Jill Marie, 3 cr

4241 Radiation Protection Advanced Imaging

(A-F)

24254 001 LAB, instruction mode: Classroom; Anderson, Jill Marie, 3 cr

4401 Clinical Practicum IV

(A-F)

24255 001 FWK, instruction mode: Classroom; Anderson, Jill Marie, 7 cr

RADIOLOGY (Rad)*2-300 Fairview University Medical Center (Box 292), 500 Harvard St SE, East Bank Campus, Minneapolis, MN, 55455
612/626-3345, http://www.med.umn.edu/radiology/***120 X-Ray Conference**

13284 001 LEC, instruction mode: Classroom; Dietz Jr, Charles Albert, 0 cr

121 Medical Roentgenologic Conference

13285 001 LEC, instruction mode: Classroom; Dietz Jr, Charles Albert, 0 cr

123 Surgical Roentgenologic Conference

13286 001 LEC, instruction mode: Classroom; Dietz Jr, Charles Albert, 0 cr

124 Neurosurgical-Roentgenologic Conference

13287 001 LEC, instruction mode: Classroom; Truwit MD, Chip, 0 cr

125 Cardiovascular Roentgenologic Conference

13288 001 LEC, instruction mode: Classroom; Hunter, David W, 0 cr

126 Roentgenologic Conference on Chest Diseases

13289 001 LEC, instruction mode: Classroom; Juodis, Edward A, 0 cr

220 Nuclear Medicine: Clinical Conference

13290 001 LEC, instruction mode: Classroom; Anderson, Quentin N, 0 cr

7101 Externship in Diagnostic Radiology at Fairview-University Medical Center (HNV)

16160 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr

7102 Externship in Diagnostic Radiology at VA Medical Center (HNV)

16161 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr

7103 Externship in Medical Imaging at Hennepin County Medical Center (max crs 3; HNV)

16162 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-3 cr

7104 Externship: Diagnostic Radiology--Regions Medical Center (max crs 15; HNV; prereq enrolled med)

14971 001 LEC, instruction mode: Classroom, 1-15 cr

7105 Externship in Radiology - Duluth (HNV; prereq One med and one surg clkshp)

16163 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr

7110 Research Problems in Radiology (max crs 15; HNV)

16164 001 IND, 08/03/15-12/23/15, instruction mode: Classroom, 1-15 cr

7140 Special Problems: Roentgenology

(max crs 15; HNV; prereq enrolled med)
14972 001 LEC, instruction mode: Classroom, 1-15 cr

7240 Special Problems: Nuclear Medicine

(max crs 15; HNV; prereq enrolled med)
13291 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom; Anderson, Quentin N, 1-15 cr

7511 Roentgen Technique

(HNV)
13292 001 LEC, 08/03/15-12/23/15, instruction mode:
Classroom; Dietz Jr, Charles Albert, 1 cr

7530 Nuclear Medicine

(HNV)
14981 001 FWK, 08/03/15-12/23/15, instruction mode:
Classroom, 3 cr

8200 Nuclear Medicine

(max crs 15)
13293 001 LEC, instruction mode: Classroom; Anderson,
Quentin N, 1-15 cr

8210 Fundamentals of Nuclear Medicine

(prereq 1st-yr resident)
13294 001 LEC, instruction mode: Classroom; Anderson,
Quentin N, 1 cr

8250 Research: Nuclear Medicine

(max crs 15)
13295 001 LEC, instruction mode: Classroom; Anderson,
Quentin N, 1-15 cr

RECREATION, PARK, AND LEISURE STUDIES (Rec)

220 Cooke Hall, 1900 University Ave SE,
East Bank Campus, Minneapolis, MN, 55455
612/625-5300, <http://cehd.umn.edu/kin>

1501 Orientation to Leisure and Recreation

(A-F)
10957 001 LEC, 09:35am-12:05pm F, CookeH 214,
instruction mode: Classroom; Morrissey, Sean Patrick, 3 cr

1905 Freshman Seminar

(max crs 6; OPN; prereq Fr)
22758 001 LEC, 09:45am-03:45pm Th, . ROOM-TBA, 09/10/
15-10/15/15, instruction mode: Classroom; This course will
meet at Wilderness Inquiry, which is located at 808 14th
Ave SE Minneapolis (near Bierman Field); Magnuson PhD,
Connie, 1-3 cr

**3281 Research and Evaluation in
Recreation, Park, and Leisure Studies**

(A-F)
11157 001 LEC, 11:15am-12:30pm MW, CookeH 206,
instruction mode: Classroom; 30 seats reserved for Rec
major; Brown PhD, Tony Kevin, 4 cr

3321 Outdoor Recreation 3-Season Skills

(A-F; prereq Student will not receive credit if they have
previously taken REC 4900/5900 - Special Topics with
this topic title)
26635 001 LEC, 09:00am-02:00pm F, Gym 130, STPAUL, 09/
11/15-09/18/15, 09:00am-05:00pm F, Gym 130, STPAUL,
09/25/15-10/02/15, 09:00am-09:00pm FS, . ROOM-TBA,
STPAUL, 10/16/15-10/17/15, 09:00am-11:00am F, Gym
130, STPAUL, 10/23/15-10/23/15, instruction mode:
Classroom; This course will have an overnight trip TBD on
October 9 & 10, 2015. Contact instructor for further details.;
Hoffman, Mitchell Lee, 3 cr

3541W Recreation Programming

(A-F; meets CLE req of Writing Intensive)
10958 001 LEC, 09:45am-11:00am TTh, CookeH 215,
instruction mode: Classroom; 26 seats reserved for Rec
major; Miller, Susie; Tilsner, Donna Lou, 3 cr

**3796 Senior Internship in Recreation, Park,
and Leisure Studies**

(max crs 9; S-N; prereq Rec major, completion of most
core courses, sr, instr consent)
11183 001 FWK, instruction mode: Classroom; Magnuson
PhD, Connie, 3-9 cr

**3993 Directed Study in Recreation, Park,
and Leisure Studies**

(max crs 9; 9 repeats allowed; A-F; prereq Rec major,
instr consent)

15747 002 IND, instruction mode: Classroom; 1 seat reserved
for Integrated Degree Program B S; Kihl PhD, Lisa A, 1-9
cr

10959 003 IND, instruction mode: Classroom; 1 seat reserved
for Integrated Degree Program B S; Kane PhD, Mary Jo,
1-9 cr

13464 006 IND, instruction mode: Classroom; 1 seat reserved
for Integrated Degree Program B S; Magnuson PhD,
Connie, 1-9 cr

15748 012 IND, instruction mode: Classroom; 1 seat reserved
for Integrated Degree Program B S; Ross PhD, Stephen,
1-9 cr

26968 031 IND, instruction mode: Classroom; Allison JD,
Rayla Mathison, 1-9 cr

**4271 Community Leisure Services for
Persons with Disabilities**

(A-F; prereq REC major or instr consent; credit will not
be granted if credit already received for: Rec 5271)

10960 001 LEC, instruction mode: Correspondence; 26 seats
reserved for Rec major; Magnuson PhD, Connie, 3 cr

4301 Wilderness and Adventure Education

(max crs 12; 3 repeats allowed; A-F)
34870 001 LEC, 01:00pm-03:00pm F, . NORMREQD, 09/18/
15-09/18/15, 01:00pm-03:00pm F, . NORMREQD, 12/04/
15-12/04/15, instruction mode: Classroom, 4 cr

**5995 Problems in Recreation, Park, and
Leisure Studies**

(max crs 9; 9 repeats allowed; A-F; prereq [REC Med or
grad student], instr consent)

19500 001 IND, instruction mode: Classroom; Allison JD,
Rayla Mathison, 1-9 cr

15751 002 IND, instruction mode: Classroom; Kihl PhD, Lisa
A, 1-9 cr

13267 003 IND, instruction mode: Classroom; Kane PhD,
Mary Jo, 1-9 cr

13466 006 IND, instruction mode: Classroom; Magnuson
PhD, Connie, 1-9 cr

15752 012 IND, instruction mode: Classroom; Ross PhD,
Stephen, 1-9 cr

REHABILITATION SCIENCE (RSc)

382 Children's Rehabilitation Center (Box 388
UMHC), 426 Church Street SE, East Bank
Campus, Minneapolis, MN, 55455
612/626-5303, [http://www.med.umn.edu/
rehabsci](http://www.med.umn.edu/rehabsci)

**5101 Mathematical Tools for Research
Applications in Health, Rehab, and
Human Movement Sciences**

(A-F only; prereq Basic algebra, trigonometry, and
geometry. Pre-calculus or calculus is helpful but not
required.)

23044 001 LEC, instruction mode: Classroom; Ludewig,
Paula M, 1 cr

5231 Clinical Biomechanics

(Credit will not be granted if credit has been received
for: PMED 5231, PT 6231; max crs 5; A-F; prereq
Concurrent registration is required (or allowed) in
PT 6231, general physics, [intro or short] calculus,
anatomy;

22026 001 LEC, 08:00am-09:55am MWF, Room TBA,
TCEASTBANK, instruction mode: Classroom; Meets in
conjunction with PT 6231.; Ludewig, Paula M, 2-5 cr

5281 Scientific Foundations: Exercise

Theory
(Credit will not be granted if credit has been received
for: PT 6281, RTT 5281; A-F; prereq Rehabilitation
Science grad student)

26505 001 DIS, 10:10am-12:05pm T, Room TBA,
TCEASTBANK, 10:10am-11:00am Th, Room TBA,
TCEASTBANK, instruction mode: Classroom; Snow MD,
PhD, LeAnn M, 3 cr

5294 Independent Study in Rehabilitation

Science
(max crs 9; 3 repeats allowed; prereq Rehabilitation
science student or program approval)

12354 001 IND, instruction mode: Classroom; Ludewig, Paula
M, 1-3 cr

16813 002 IND, instruction mode: Classroom; Carey, James
Robert, 1-3 cr

16814 003 IND, instruction mode: Classroom; Gillick,
Bernadette Therese, 1-3 cr

16815 004 IND, instruction mode: Classroom; Kimberley, PT,
PhD, Teresa Jacobson, 1-3 cr

16816 005 IND, instruction mode: Classroom; Schaber PhD,
Patricia Louise, 1-3 cr

16817 006 IND, instruction mode: Classroom; Lowe, Dawn
Annette, 1-3 cr

17349 007 IND, instruction mode: Classroom; Mathiowetz
PhD, Virgil G, 1-3 cr

19493 008 IND, instruction mode: Classroom; Snow MD,
PhD, LeAnn M, 1-3 cr

19568 009 IND, instruction mode: Classroom; Thompson
PhD, LaDora V, 1-3 cr

19909 010 IND, instruction mode: Classroom; Martin PhD,
Peggy Mae, 1-3 cr

23020 011 IND, instruction mode: Classroom; Hansen PhD,
Andrew, 1-3 cr

5814 Age, Exercise, and Rehabilitation

(prereq Rehabilitation science student or program
permission)
23021 001 LEC, 03:30pm-05:30pm Th, Room TBA,
TCEASTBANK, instruction mode: Classroom; Snow MD,
PhD, LeAnn M, 2 cr

**5842 Rehabilitation Science
Instrumentation and Methodology**

(A-F only; prereq [Phys 1031, Phys 1032] or equiv,
instr consent, [rehabilitation science student or
program permission])

26719 001 LAB, instruction mode: Classroom; Ludewig, Paula
M, 4 cr

8130 Current Literature Seminar

(max crs 9; 3 repeats allowed; A-F only; prereq Grad
student in PT or rehabilitation science major or instr
consent)

24358 001 LEC, instruction mode: Classroom; Ludewig,
Paula M, 1-3 cr

24359 002 LEC, instruction mode: Classroom; Carey, James
Robert, 1-3 cr

24360 003 LEC, instruction mode: Classroom; Gillick,
Bernadette Therese, 1-3 cr

24361 004 LEC, instruction mode: Classroom; Kimberley, PT,
PhD, Teresa Jacobson, 1-3 cr

24362 005 LEC, instruction mode: Classroom; Schaber PhD,
Patricia Louise, 1-3 cr

24363 006 LEC, instruction mode: Classroom; Lowe, Dawn
Annette, 1-3 cr

24364 007 LEC, instruction mode: Classroom; Mathiowetz
PhD, Virgil G, 1-3 cr

24365 008 LEC, instruction mode: Classroom; Snow MD,
PhD, LeAnn M, 1-3 cr

24366 009 LEC, instruction mode: Classroom; Thompson
PhD, LaDora V, 1-3 cr

24367 010 LEC, instruction mode: Classroom; Martin PhD,
Peggy Mae, 1-3 cr

26504 011 LEC, instruction mode: Classroom; Hansen PhD,
Andrew, 1-3 cr

**8170 Special Topics in Rehabilitation
Science**

(max crs 9; 3 repeats allowed; A-F only; prereq
[Rehabilitation science student or program
permission], instr consent)

12356 001 LEC, instruction mode: Classroom; Ludewig,
Paula M, 1-3 cr

16890 002 LEC, instruction mode: Classroom; Carey, James
Robert, 1-3 cr

16891 003 LEC, instruction mode: Classroom; Gillick,
Bernadette Therese, 1-3 cr

16892 004 LEC, instruction mode: Classroom; Kimberley, PT,
PhD, Teresa Jacobson, 1-3 cr

16893 005 LEC, instruction mode: Classroom; Schaber PhD,
Patricia Louise, 1-3 cr

16894 006 LEC, instruction mode: Classroom; Lowe, Dawn
Annette, 1-3 cr

17350 007 LEC, instruction mode: Classroom; Mathiowetz
PhD, Virgil G, 1-3 cr

19494 008 LEC, instruction mode: Classroom; Snow MD,
PhD, LeAnn M, 1-3 cr

19910 009 LEC, instruction mode: Classroom; Thompson
PhD, LaDora V, 1-3 cr

19911 010 LEC, instruction mode: Classroom; Martin PhD,
Peggy Mae, 1-3 cr

23022 011 LEC, instruction mode: Classroom; Hansen PhD,
Andrew, 1-3 cr

8185 Problems in Rehabilitation Science

(max crs 9; 3 repeats allowed; prereq [Rehabilitation
science student or program permission], instr consent)

12357 001 IND, instruction mode: Classroom; Ludewig, Paula
M, 1-3 cr

16895 002 IND, instruction mode: Classroom; Carey, James
Robert, 1-3 cr

16896 003 IND, instruction mode: Classroom; Gillick,
Bernadette Therese, 1-3 cr

16897 004 IND, instruction mode: Classroom; Kimberley, PT, PhD, Teresa Jacobson, 1-3 cr
 16898 005 IND, instruction mode: Classroom; Schaber PhD, Patricia Louise, 1-3 cr
 16899 006 IND, instruction mode: Classroom; Lowe, Dawn Annette, 1-3 cr
 17351 007 IND, instruction mode: Classroom; Mathiowetz PhD, Virgil G, 1-3 cr
 19495 008 IND, instruction mode: Classroom; Snow MD, PhD, LeAnn M, 1-3 cr
 19912 009 IND, instruction mode: Classroom; Thompson PhD, LaDora V, 1-3 cr
 19913 010 IND, instruction mode: Classroom; Martin PhD, Peggy Mae, 1-3 cr
 23023 011 IND, instruction mode: Classroom; Hansen PhD, Andrew, 1-3 cr

8188 Teaching Practicum

(max crs 5; 3 repeats allowed; A-F only; prereq [Rehabilitation science student or program permission], instr consent)

17401 001 FWK, instruction mode: Classroom; Ludewig, Paula M, 1-5 cr
 17402 002 FWK, instruction mode: Classroom; Carey, James Robert, 1-5 cr
 17403 003 FWK, instruction mode: Classroom; Gillick, Bernadette Therese, 1-5 cr
 17404 004 FWK, instruction mode: Classroom; Kimberley, PT, PhD, Teresa Jacobson, 1-5 cr
 17405 005 FWK, instruction mode: Classroom; Schaber PhD, Patricia Louise, 1-5 cr
 17406 006 FWK, instruction mode: Classroom; Lowe, Dawn Annette, 1-5 cr
 17407 007 FWK, instruction mode: Classroom; Mathiowetz PhD, Virgil G, 1-5 cr
 19496 008 FWK, instruction mode: Classroom; Snow MD, PhD, LeAnn M, 1-5 cr
 20904 009 FWK, instruction mode: Classroom; Thompson PhD, LaDora V, 1-5 cr
 20905 010 FWK, instruction mode: Classroom; Martin PhD, Peggy Mae, 1-5 cr
 23024 011 FWK, instruction mode: Classroom; Hansen PhD, Andrew, 1-5 cr

8206 Grant Writing

(A-F only; prereq instr consent or student in University of Minnesota Rehabilitation Science Program)

26030 001 DIS, 03:30pm-04:20pm W, Room TBA, TCEASTBANK, instruction mode: Classroom; Lowe, Dawn Annette, 2 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14014 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14149 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14264 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14347 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer, 24 cr required; RSC doctoral student who has successfully passed the prelim written exam, dept consent)

13780 001 IND, instruction mode: Classroom, 1-24 cr

RELIGIOUS STUDIES (ReIS)

245 Nicholson Hall, 216 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-5353, <http://cnes.cla.umn.edu>

1002 Introduction to the Study of Religions in America

(meets CLE req of Arts/Humanities)

34205 001 LEC, 04:00pm-05:15pm MW, NichH 125, instruction mode: Classroom; Kilde, Jeanne Halgren, 3 cr

1034 Introduction to Jewish History and Civilization

(Credit will not be granted if credit has been received for: JWST 1034, RELS 3034, JWST 3034, HIST 1534, HIST 3534; credit will not be granted if credit already received for: ReIA 1034, 3034, JwSt 1034,3034, ReIS 3034; meets CLE req of Historical Perspectives)

24068 001 DIS, 01:00pm-02:15pm TTh, NichH 145, instruction mode: Classroom; Meets with: 26314 HIST 1534, 26315 HIST 3534, 22398 JWST 1034, 22399 JWST 3034, 24069 RELS 3034; Schroeter, Daniel J, 3 cr

1201 The Bible: Context and Interpretation

(Credit will not be granted if credit has been received for: RELS 3201, CNES 3201, CNES 1201, JWST 1201, JWST 3201; meets CLE req of Literature)

20591 001 LEC, 02:30pm-03:45pm TTh, NichH 155, instruction mode: Classroom; Meets with: 21502 CNES 1201, 21503 CNES 3201, 20594 JWST 1201, 20595 JWST 3201, 20592 RELS 3201; Levinson, Hanne Loeland, 3 cr

3034 Introduction to Jewish History and Civilization

(Credit will not be granted if credit has been received for: JWST 1034, RELS 1034, JWST 3034, HIST 1534, HIST 3534; credit will not be granted if credit already received for: ReIA 1034, 3034, JwSt 1034, 3034, ReIS 3034; meets CLE req of Historical Perspectives)

24069 001 DIS, 01:00pm-02:15pm TTh, NichH 145, instruction mode: Classroom; Meets with: 26314 HIST 1534, 26315 HIST 3534, 22398 JWST 1034, 22399 JWST 3034, 24068 RELS 1034; Schroeter, Daniel J, 3 cr

3201 The Bible: Context and Interpretation

(Credit will not be granted if credit has been received for: CNES 3201, CNES 1201, JWST 1201, JWST 3201, RELS 1201; credit will not be granted if credit already received for: ReIA 3201, CNES 1201, CNES 3201, JwSt 1201, JwSt 3201; meets CLE req of Literature)

20592 001 LEC, 02:30pm-03:45pm TTh, NichH 155, instruction mode: Classroom; Meets with: 21502 CNES 1201, 21503 CNES 3201, 20594 JWST 1201, 20595 JWST 3201, 20591 RELS 1201; Levinson, Hanne Loeland, 3 cr

3321 American Indian Philosophies

(meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US)

21723 002 LEC, 09:45am-11:00am TTh, RapsonH 31, instruction mode: Classroom; Meets with: 17598 AMIN 3301; Ghebregzi, Alex Anthony, 4 cr

3504 Development of Israelite Religion II

(credit will not be granted if credit already received for: ANE 3504, RELS 3/5504)

34219 001 LEC, 09:45am-11:00am TTh, NichH 110, instruction mode: Classroom; Ancient Jewish Storytelling; Ahearne-Kroll, Pat, 3 cr

3671 Hinduism

(Credit will not be granted if credit has been received for: ALL 3671, ALL 5671, RELS 5671, HIST 3492)

34296 001 LEC, 11:15am-12:30pm MW, BlegH 220, instruction mode: Classroom; Meets with: 34007 HIST 3492; Skaria, Ajay, 3 cr

3708 The Cultures of the Silk Road

(Credit will not be granted if credit has been received for: HIST 3504, ALL 3872)

34297 001 LEC, 02:30pm-03:20pm MWF, BlegH 240, instruction mode: Classroom; Meets with: 34010 HIST 3504; Bashiri, Iraj, 3 cr

3709 Ancient Iran

(Credit will not be granted if credit has been received for: CAS 3511, MELC 3511, HIST 3503)

34299 001 LEC, 10:10am-11:00am MWF, BlegH 230, instruction mode: Classroom; Meets with: 34009 HIST 3503; Bashiri, Iraj, 3 cr

3711 The Islamic World

(Credit will not be granted if credit has been received for: GEOG 3145, GLOS 3645; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

26359 I001 LEC, 05:00pm-07:30pm W, . ROOM-TBA, instruction mode: Classroom; Samatar, Abdi Ismail, 3 cr

3712 Islam: Religion and Culture

(Credit will not be granted if credit has been received for: ARAB 3036, HIST 3493, ALL 3871; credit will not be granted if credit already received for: ReIA 3036)

34303 I001 LEC, 05:45pm-08:15pm M, NichH 110, instruction mode: Classroom; Meets with: 34008 HIST 3493; Matar, Nabil I, 3 cr

3715 History of the Crusades

(Credit will not be granted if credit has been received for: HIST 3613; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives)

23896 001 LEC, 09:45am-11:00am TTh, AndH 250, instruction mode: Classroom; Meets with: 23882 HIST 3613; Reyerson, Kathryn L, 3 cr

3993 Directed Studies

(max crs 10; 5 repeats allowed; credit will not be granted if credit already received for: ReIA 3993)

11896 001 IND, instruction mode: Classroom; Kilde, Jeanne Halgren, 1-4 cr

4952 Final Project

(max crs 4; A-F only; prereq Limited to RELS majors. Please see director of Undergraduate Studies for permission.)

24373 001 IND, instruction mode: Classroom; Bashiri, Iraj, 1-4 cr

24374 002 IND, instruction mode: Classroom; Edgell, Penny A, 1-4 cr

24375 003 IND, instruction mode: Classroom; Kilde, Jeanne Halgren, 1-4 cr

24376 004 IND, instruction mode: Classroom; Matar, Nabil I, 1-4 cr

24377 005 IND, instruction mode: Classroom; Nicholson, Oliver, 1-4 cr

24378 006 IND, instruction mode: Classroom; Sellwe, Philip, 1-4 cr

24379 007 IND, instruction mode: Classroom; Gerbner, Katharine, 1-4 cr

5993 Directed Studies

(max crs 24; 24 repeats allowed; prereq instr consent)

18448 001 IND, instruction mode: Classroom; Kilde, Jeanne Halgren, 1-4 cr

RESPIRATORY CARE (ROCHESTER) (Resp)

University of Minnesota Rochester, 300 University Square, 111 South Broadway, Rochester, MN, 55904
 507/258-8457, r.umn.edu

3011 Foundations of Respiratory Care

(A-F; meets CLE req of Technology and Society)

001 LEC, instruction mode: Classroom; King, Vanessa Lea
 21980 002 LAB, instruction mode: Classroom; King, Vanessa Lea, 2 cr

3101 Respiratory Care Modalities and Equipment I

(A-F)

001 LEC, instruction mode: Classroom; King, Vanessa Lea
 21975 002 LAB, instruction mode: Classroom; King, Vanessa Lea, 4 cr

3201 Cardiopulmonary Patient Assessment

(A-F)

001 LEC, instruction mode: Classroom; King, Vanessa Lea
 21977 002 LAB, instruction mode: Classroom; King, Vanessa Lea, 4 cr

3301 Clinical Practicum I

(S-N)

21979 001 FWK, instruction mode: Classroom; King, Vanessa Lea, 3 cr

3401 Seminar in Respiratory Care I

(A-F)

21978 001 LEC, instruction mode: Classroom; King, Vanessa Lea, 1 cr

4311 Advanced Perinatal and Pediatric Respiratory Care

(A-F)

22131 001 LEC, instruction mode: Classroom; King, Vanessa Lea, 3 cr

4321 Advanced Cardiopulmonary Diagnostics

(A-F)

22132 001 LEC, instruction mode: Classroom; King, Vanessa Lea, 2 cr

4331 Cardiopulmonary Rehabilitation, Disease Prevention and Case Management

(A-F)

24261 001 LEC, instruction mode: Classroom; King, Vanessa Lea, 1 cr

4341 Clinical Practicum III: Advanced Respiratory Care

(S-N)
22133 001 FWK, instruction mode: Classroom; King, Vanessa Lea, 3 cr

4400 Advanced Adult Respiratory Critical Care Techniques I

(A-F)
22130 001 LAB, instruction mode: Classroom; King, Vanessa Lea, 2 cr

4401 Clinical Practicum IV: Advanced Adult Respiratory Critical Care

(A-F)
22134 001 FWK, instruction mode: Classroom; King, Vanessa Lea, 1 cr

4501 Research Project I

(A-F)
22135 001 LEC, instruction mode: Classroom; King, Vanessa Lea, 1 cr

RETAIL MERCHANDISING (RM)

240 McNeal Hall, 1985 Buford Ave, St. Paul Campus, St. Paul, MN, 55108
612/624-9700, <http://dha.design.umn.edu>

1201 Fashion, Ethics, and Consumption

(credit will not be granted if credit already received for: DHA 1201; meets CLE req of Civic Life and Ethics)

21344 001 LEC, 03:00pm-04:15pm TTh, McNH 33, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; 5 seats reserved for SEAM, 3 cr

2196 Work Experience in Retail Merchandising

(max crs 8; S-N; prereq Plan submitted/approved by [adviser, internship supervisor], written approval of supervisor, instr consent)

20358 001 FWK, instruction mode: Independent/Directed Studies; Johnson PhD, Kim KP, 1-4 cr
20359 002 FWK, instruction mode: Independent/Directed Studies; Kim, Hye-Young, 1-4 cr
20360 003 FWK, instruction mode: Independent/Directed Studies; Wu, Juanjuan, 1-4 cr
23775 004 FWK, instruction mode: Classroom; Im, Hyunjoo, 1-4 cr

2215 Introduction to Retail Merchandising

(A-F only; credit will not be granted if credit already received for:

20361 001 LEC, 11:45am-01:00pm TTh, McNH 33, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; Im, Hyunjoo, 3 cr

3124 Consumers of Design

(A-F; prereq Sr, retail merchandising major or minor)
31547 001 DIS, 10:15am-11:30am TTh, McNH 250, STPAUL, instruction mode: Classroom; Johnson PhD, Kim KP, 3 cr

3201 Career and Internship Preparation for Retail Merchandising

(A-F; prereq Retail merchandising major; credit will not be granted if credit already received for: DHA 3201)

17503 001 LEC, 09:35am-10:25am W, McNH 146, STPAUL, instruction mode: Classroom; 12 seats reserved for RM Degree in 3 students; , 1 cr

3242 Retail Buying

(A-F only; prereq [2215 or DHA 2215 or 3245], [MATH 1031 or MATH 1051 or MATH 1142 or MATH 1151 or MATH 1155 or MATH 1271], [jr or sr], retail merchandising [major or minor]) or instr consent; Credit will not be granted if credit has been received for: DHA 3242 or 4242)

16168 001 DIS, 01:30pm-02:45pm TTh, RuttanH B35, STPAUL, instruction mode: Partially Online; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu, 3 cr

3243 Visual Merchandising

(A-F only; prereq 2215, [DHA major or minor or instr consent]; credit will not be granted if credit already received for: DHA 3243)

22866 001 LEC, 10:40am-01:25pm M, McNH 305, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; 25 seats reserved for RM 2215, DHA

major or minor - EXPIRES 04-SEP-2015; 7 seats reserved for Design Minor, jr or sr - EXPIRES 04-SEP-2015; 8 seats reserved for RM Degree in 3 students - EXPIRES 04-SEP-2015, 3 cr

4160H Honors Capstone Project

(max crs 4; A-F; prereq Retail merchandising honors; meets HON req of Honors)

20549 001 LEC, instruction mode: Independent/Directed Studies; Johnson PhD, Kim KP, 2 cr
20550 002 LEC, instruction mode: Independent/Directed Studies; Kim, Hye-Young, 2 cr
20551 003 LEC, instruction mode: Independent/Directed Studies; Wu, Juanjuan, 2 cr
23774 004 LEC, instruction mode: Independent/Directed Studies; Im, Hyunjoo, 2 cr

4193 Directed Study in Retail Merchandising

(max crs 8; A-F only; prereq Undergrad, instr consent)

20362 001 IND, instruction mode: Independent/Directed Studies; Johnson PhD, Kim KP, 1-4 cr
20363 002 IND, instruction mode: Independent/Directed Studies; Kim, Hye-Young, 1-4 cr
20364 003 IND, instruction mode: Independent/Directed Studies; Wu, Juanjuan, 1-4 cr
23776 004 IND, instruction mode: Independent/Directed Studies; Im, Hyunjoo, 1-4 cr

4196 Internship in Retail Merchandising

(max crs 2; S-N only; prereq Completion of at least one-half of professional sequence, plan submitted/approved in advance by [adviser, internship supervisor], written consent of faculty supervisor, instr consent)

20365 001 FWK, instruction mode: Independent/Directed Studies; Johnson PhD, Kim KP, 1-2 cr
20366 002 FWK, instruction mode: Independent/Directed Studies; Kim, Hye-Young, 1-2 cr
20367 003 FWK, instruction mode: Independent/Directed Studies; Wu, Juanjuan, 1-2 cr
23777 004 FWK, instruction mode: Independent/Directed Studies; Im, Hyunjoo, 1-2 cr

4212W Dress, Society, and Culture

(A-F only; prereq [Jr or sr or grad student], [design major or minor or instr consent]; credit will not be granted if credit already received for: DHA 4212W; meets CLE req of Writing Intensive)

34243 001 LEC, instruction mode: Classroom; 30 seats reserved for DHA major or minor, jr, sr, gr - EXPIRES 04-SEP-2015; 10 seats reserved for Design Minor, jr or sr - EXPIRES 04-SEP-2015, 3 cr

4216 Retail Promotions

(Credit will not be granted if credit has been received for: DHA 5216; max crs 4; A-F only; prereq 2215, [jr or sr or grad student], [DHA major or minor or instr consent])

18490 001 LEC, 03:00pm-04:15pm TTh, McNH 144, STPAUL, instruction mode: Classroom; If you are unable to add your name to the online waitlist, please email cdespn@umn.edu; Im, Hyunjoo, 3 cr

4248 Creative Leadership in Retailing

(A-F)
26212 001 LEC, 11:45am-01:00pm TTh, McNH 146, STPAUL, instruction mode: Classroom; Kim, Hye-Young, 3 cr

RUSSIAN (Russ)

320 Folwell Hall, 9 Pleasant St SE, Minneapolis, East Bank Campus, Minneapolis, MN, 55455
612/625-5684, <http://www.sll.umn.edu>

1101 Beginning Russian I

(Credit will not be granted if credit has been received for: RUSS 4101)

11715 001 DIS, 10:10am-11:00am MTWThF, FolH 13, instruction mode: Classroom; Meets with: 20311 RUSS 4101; Clayton, Nadya, 5 cr
11716 002 DIS, 12:20pm-01:10pm MTWThF, FolH 13, instruction mode: Classroom; Meets with: 20312 RUSS 4101; Clayton, Nadya, 5 cr
11717 003 DIS, 01:25pm-02:15pm MTWThF, FolH 13, instruction mode: Classroom; Meets with: 20313 RUSS 4101; Krylova, Natalia V, 5 cr
14668 1004 DIS, 06:10pm-09:30pm T, FolH 16, instruction mode: Classroom; 5 seats reserved for non-PSEO, non-admitted student; Meets with: 20314 RUSS 4101; Jahn, Gary R, 5 cr

3001 Intermediate Russian I

(Credit will not be granted if credit has been received for: RUSS 4103; prereq 1102 or instr consent)

20306 001 DIS, 11:15am-12:05pm MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 20308 RUSS 4103; Krylova, Natalia V, 5 cr
20307 1002 DIS, 06:10pm-09:30pm Th, KoltH 132, instruction mode: Classroom; 3 seats reserved for non-PSEO, non-admitted student; Meets with: 20309 RUSS 4103, 5 cr

3101 Advanced Russian I

(Credit will not be granted if credit has been received for: RUSS 4111; prereq 3002 or 4104 or instr consent)

11650 001 DIS, 02:30pm-03:20pm MTWTh, FolH 12, instruction mode: Classroom; Meets with: 24669 RUSS 4111; Clayton, Nadya, 4 cr

3311 Russian Major Project

(Credit will not be granted if credit has been received for: RUSS 3311H; A-F only; prereq Advanced Russian major)

13367 001 IND, instruction mode: Classroom; Jahn, Gary R, 3 cr

3311H Honors Major Project in Russian

(Credit will not be granted if credit has been received for: RUSS 3311; max crs 4; A-F only; prereq Advanced Russian major; meets HON req of Honors)

14360 001 IND, instruction mode: Classroom; Jahn, Gary R, 3-4 cr

3421 Literature: Middle Ages to Dostoevsky in Translation

(Credit will not be granted if credit has been received for: RUSS 5421; meets CLE req of Literature)

11033 001 LEC, 01:00pm-02:15pm TTh, FolH 112, instruction mode: Classroom; Meets with: 11034 RUSS 5421; Jahn, Gary R, 3 cr

3512 Russian Art and Culture

(meets CLE req of Arts/Humanities; meets CLE req of Global Perspectives)

19741 001 LEC, 09:05am-09:55am MWF, FolH 108, instruction mode: Classroom; 3 seats reserved for non-PSEO, non-admitted student; Krylova, Natalia V, 3 cr

3993 Directed Studies

(max crs 16; 4 repeats allowed)

11651 001 IND, instruction mode: Classroom, 1-4 cr
24395 002 IND, instruction mode: Classroom, 1-4 cr

4101 Beginning Russian I

(Credit will not be granted if credit has been received for: RUSS 1101; prereq Fourth sem course in another language or grad student)

20311 001 DIS, 10:10am-11:00am MTWThF, FolH 13, instruction mode: Classroom; Meets with: 11715 RUSS 1101; Clayton, Nadya, 3 cr
20312 002 DIS, 12:20pm-01:10pm MTWThF, FolH 13, instruction mode: Classroom; Meets with: 11716 RUSS 1101; Clayton, Nadya, 3 cr
20313 003 DIS, 01:25pm-02:15pm MTWThF, FolH 13, instruction mode: Classroom; Meets with: 11717 RUSS 1101; Krylova, Natalia V, 3 cr
20314 1004 DIS, 06:10pm-09:30pm T, FolH 16, instruction mode: Classroom; Meets with: 14668 RUSS 1101; Jahn, Gary R, 3 cr

4103 Intermediate Russian I

(Credit will not be granted if credit has been received for: RUSS 3001; prereq 4102, [fourth sem course in another language or grad student])

20308 001 DIS, 11:15am-12:05pm MTWThF, KoltH 136, instruction mode: Classroom; Meets with: 20306 RUSS 3001; Krylova, Natalia V, 3 cr
20309 1002 DIS, 06:10pm-09:30pm Th, KoltH 132, instruction mode: Classroom; Meets with: 20307 RUSS 3001, 3 cr

4111 Advanced Russian I

(Credit will not be granted if credit has been received for: RUSS 3101; max crs 4; prereq 3002 or 4104 or instr consent)

24669 001 DIS, 02:30pm-03:20pm MTWTh, FolH 12, instruction mode: Classroom; Meets with: 11650 RUSS 3101; Clayton, Nadya, 2 cr

5421 Literature: Middle Ages to Dostoevsky in Translation

(Credit will not be granted if credit has been received for: RUSS 3421)

11034 001 LEC, 01:00pm-02:15pm TTh, FolH 112, instruction mode: Classroom; Meets with: 11033 RUSS 3421; Jahn, Gary R, 3 cr

5993 Directed Studies

(max crs 16; 4 repeats allowed)
11652 001 IND, instruction mode: Classroom, 1-4 cr

SCANDINAVIAN (Scan)

320 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-2080, <http://www.gsd.umn.edu>

3011W Readings in Scandinavian Languages

(Credit will not be granted if credit has been received for: SCAN 4011; prereq [Dan or Nor or Swed][1004 or 4004] or instr consent; meets CLE req of Writing Intensive)
16178 001 DIS, 02:30pm-04:25pm MW, FolH 28, instruction mode: Classroom; Meets with: 22924 SCAN 4011; Norrman, Lena Elisabeth, 4 cr

3501W Scandinavian Culture Past and Present

(meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)
33888 001 LEC, 09:05am-09:55am MWF, FolH 16, instruction mode: Classroom; Zmijewska-Emerson, Hanna, 3 cr

3502 Scandinavian Myths

(meets CLE req of Global Perspectives; meets CLE req of Literature)
33889 001 LEC, 06:20pm-08:50pm W, MurH 130, instruction mode: Classroom; Liberman, Anatoly, 3 cr

3601 Great Literary Works of Scandinavia

(meets CLE req of Literature)
33890 001 DIS, 02:30pm-03:45pm TTh, FolH 121, instruction mode: Classroom; Houe, Poul, 3 cr

3605 The Scandinavian Short Story

(Credit will not be granted if credit has been received for: SCAN 5605; meets CLE req of Literature)
33891 001 DIS, 11:15am-12:30pm TTh, FolH 4, instruction mode: Classroom; Houe, Poul, 3 cr

3993 Directed Studies

(max crs 12; 12 repeats allowed)
12221 001 IND, instruction mode: Classroom, 1-4 cr

4011 Readings in Scandinavian Languages

(Credit will not be granted if credit has been received for: SCAN 3011W; prereq Grad student)
22924 001 DIS, 02:30pm-04:25pm MW, FolH 28, instruction mode: Classroom; Meets with: 16178 SCAN 3011W; Norrman, Lena Elisabeth, 2 cr

5701 Old Norse Language and Literature

16153 001 DIS, 01:00pm-02:15pm MW, FolH 107, instruction mode: Classroom; Liberman, Anatoly, 3 cr

5993 Directed Studies

(max crs 12; 12 repeats allowed)
12222 001 IND, instruction mode: Classroom, 1-4 cr

SCIENTIFIC COMPUTATION (SciC)

6-145 Jackson Hall, 321 Church St SE, East Bank Campus, Minneapolis, MN, 55455
612/626-1458, <http://www.scicomp.umn.edu/>

8190 Supercomputer Research Seminar

(max crs 3; 3 repeats allowed; prereq Undergrad degree in field using sci comp or instr consent)
20240 001 LEC, 03:30pm-04:30pm F, STSS 420A, instruction mode: Classroom; Dumitrica, Traian, 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
14016 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14151 001 IND, instruction mode: Classroom, 1 cr

8594 Scientific Computation Directed Research

(max crs 9; 9 repeats allowed; prereq Undergrad degree in field using sci comp or instr consent)
12423 001 IND, instruction mode: Classroom, 1-4 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14266 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14348 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13782 001 IND, instruction mode: Classroom, 1-24 cr

SECURITY TECHNOLOGIES (ST)

290 McNamara Center, 200 Oak St SE, Minneapolis, MN, 55455
612/624-5747, <http://tli.umn.edu/>

8109 Cybersecurity Foundations - Technology, Risk & Communication

(A-F)
26656 001 LEC, instruction mode: Classroom; Class meets in Departmental space in 235 McN.; Hawkins, Steven James; Johnson, Michael Paul, 2 cr

8111 Methods, Theory, and Applications

(A-F)
21129 001 LEC, instruction mode: Classroom; Will meet in Dptl room 235 McNamara_Benson Room; Isle, Brian Archer; Welles, George William, 2.50 cr

8200 Special Topics in Security Technologies

(A-F)
22092 001 DIS, 05:30pm-07:00pm, instruction mode: Classroom; Will meet in Dptl room 235 McNamara_Benson Room. Meets on Wednesdays from 9/17 through mid November.; Welles, George William, 0.50 cr

8221 Communications of Risk and Security

(A-F; prereq MSST grad student)
21138 001 LEC, instruction mode: Classroom; Will meet in Dptl room 235 McNamara_Benson Room; Kelley, Steve; Laingen, Charles Winslo, 1 cr

8331 Dynamic Systems Modeling and Simulation Tools

(A-F)
21139 001 LEC, instruction mode: Classroom; Will meet in Dptl room 235 McNamara_Benson Room; Kennedy, Shaun, 2 cr

8441 Internship (optional)

(max crs 1; A-F)
21140 001 LEC, instruction mode: Classroom; Will meet in various companies; Welles, George William, 0.50 cr

8511 Public Policy

(A-F)
21146 001 LEC, instruction mode: Classroom; Will meet in Dptl room 235 McNamara_Benson Room; Kelley, Steve, 1 cr

8660 Independent Study

(max crs 4; A-F)
24696 001 IND, instruction mode: Classroom; Amin, Massoud, 1-4 cr

SOCIAL, ADMINISTRATIVE, AND CLINICAL PHARMACY (SACP)

5-110 Weaver-Densford Hall, 308 Harvard Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-9490, <http://www.pharmacy.umn.edu/sacp/home.html>

8333 FTE: Master's

(NGA; prereq Master's student, [adviser, DGS] consent)
15022 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, [adviser, DGS] consent)
15023 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
15024 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Plan A)
15025 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credits: Doctoral

(max crs 100; 10 repeats allowed; NGA)
15026 001 IND, instruction mode: Classroom, 1-24 cr

SOCIAL AND ADMINISTRATIVE PHARMACY (SAPh)

7-155 Weaver-Densford Hall, 308 Harvard Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-2973, <http://www.pharmacy.umn.edu/saphtrack/home.html>

5100 Pro-Seminar

(A-F only)
21854 001 LEC, instruction mode: Classroom; Schommer, Jon C, 1 cr

5610 Pharmacoepidemiology

(max crs 3; A-F)
24318 001 LEC, instruction mode: Classroom; St Peter, Wendy L, 2 cr

8054 Advanced Studies in Pharmaceutical Care Practice

(A-F only)
24335 001 IND, instruction mode: Classroom; Schommer, Jon C, 3 cr

8100 Seminar

(max crs 8; 8 repeats allowed; A-F; prereq Grad SAPh major or instr consent)
12362 001 LEC, 03:30pm-05:00pm Th, Room TBA, TCEASTBANK, instruction mode: Classroom; Meets with: 13182 PHAR 6250; Schommer, Jon C, 1 cr

8173 Principles and Methods of Implementing Research

(Credit will not be granted if credit has been received for: NURS 8173; prereq Two grad stat courses)
21853 001 LEC, instruction mode: Classroom; Gross, Cynthia R, 3 cr

8200 Research Problems

(max crs 16; 16 repeats allowed; prereq Grad SAPh major or instr consent)
12863 001 IND, instruction mode: Classroom; Schommer, Jon C, 1-8 cr

8235 Pharmaceutical Economics and Policy

(A-F only; prereq Grad SAPh major or instr consent)
15600 001 LEC W, Room TBA, instruction mode: Classroom; Hadsall, Ronald S, 3 cr

8255 Pharmaceutical Marketing

(A-F only; prereq Grad SACP major or instr consent)
19173 001 LEC, instruction mode: Classroom; Schommer, Jon C, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
21166 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
21167 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for

3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

21176 001 IND, instruction mode: Classroom, 1-6 cr

8700 Hospital Pharmacy Administration

(A-F only; prereq Grad SAPH major or instr consent)

18886 001 LEC, instruction mode: Classroom; Pastor III, John D, 3 cr

8702 Hospital Pharmacy Survey

(max crs 3; 3 repeats allowed; prereq Grad SAPH major or instr consent)

24753 001 LEC, instruction mode: Classroom, 1 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

21168 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

21169 001 IND, instruction mode: Classroom, 1-24 cr

SOCIAL WORK (SW)

105 Peters Hall, 1404 Gortner Avenue, St Paul Campus, St Paul, MN, 55108
612/625-1220, <http://cehd.umn.edu/ssw/>

20 Community Engagement

(15 repeats allowed; NGA; prereq MSW student, academic faculty adviser consent)

20814 001 FWK, instruction mode: Independent/Directed Studies, 0 cr

1905 Freshman Seminar

(max crs 6; prereq Fr)

23013 001 LEC, 03:00pm-04:55pm Th, PetH 70, STPAUL, instruction mode: Classroom, 1-3 cr

2501W Introduction to Social Justice

(A-F; meets CLE req of Writing Intensive)

18910 001 LEC, 05:10pm-08:30pm W, PetH 5, STPAUL, instruction mode: Classroom; NOTE: This course has a SERVICE LEARNING component; 1 seat reserved for Integrated Degree Program B, S, 4 cr

3501 Theories and Practices of Social

Change Organizing

(A-F; prereq 2501W)

18244 001 DIS, 03:00pm-06:20pm Th, PetH 155, STPAUL, instruction mode: Classroom; NOTE: This course has a SERVICE LEARNING component; 1 seat reserved for Integrated Degree Program B, S, 4 cr

3701 Introduction to Child Maltreatment:

Intervention and Prevention

14733 001 LEC, 01:55pm-04:25pm M, PetH 5, STPAUL, instruction mode: Classroom, 3 cr

3702 Introduction to Adult Intimate Partner

Violence: Intervention and Prevention

17175 001 LEC, 11:45am-01:00pm TTh, PetH 155, STPAUL, instruction mode: Classroom; NOTE: 30 hours of Service Learning required; 3 cr

3703 Gender Violence in Global

Perspective

11768 001 LEC, 05:30pm-08:00pm W, PetH 155, STPAUL, instruction mode: Classroom, 3 cr

4693 Directed Studies

(max crs 10; prereq instr consent)

11036 001 IND, instruction mode: Classroom; Permission number required., 1-10 cr

4694 Directed Research

(max crs 10; prereq instr consent)

11037 001 IND, instruction mode: Classroom, 1-10 cr

5051 Human Behavior and the Social

Environment

(max crs 3; A-F only; prereq Grad student or 8 cr social sciences or instr consent)

11041 001 LEC, 01:55pm-03:50pm Th, BioSci 12, STPAUL, instruction mode: Classroom, 2-3 cr

11042 002 LEC, 01:55pm-03:50pm Th, HckrH 205, STPAUL, instruction mode: Classroom, 2-3 cr

18320 003 LEC, 12:30pm-02:30pm S, PetH 39, STPAUL, instruction mode: Classroom, 2-3 cr

5101 Historical Origins and Contemporary Policies and Programs in Social Welfare

(max crs 4; A-F only; prereq Grad or 8 sem cr of social sciences)

23741 001 LEC, 05:10pm-08:00pm W, RuttanH B35, STPAUL, instruction mode: Classroom, 3-4 cr

5562 Global Social Work and Social Development

23805 001 LEC, 05:10pm-08:00pm Th, PetH 280, STPAUL, instruction mode: Classroom, 3 cr

5810 Seminar: Special Topics

(max crs 10; 3 repeats allowed)

32549 001 LEC, 01:30pm-03:30pm F, PetH 39, STPAUL, instruction mode: Classroom, 1-4 cr

5903 Substance Abuse and Social Work

(prereq Grad student or dept consent)

23742 001 LEC, 05:10pm-07:10pm Th, PetH 5, STPAUL, instruction mode: Classroom, 2 cr

5906 Advanced Ethical Decision Making

(prereq Grad student or dept consent)

32568 001 LEC, 08:00am-11:00am S, PetH 80, STPAUL, 10/24/15-11/21/15, instruction mode: Classroom; Class meets Oct 24-Nov 21, 1 cr

5912 Grief & Loss in Social Work Practice

24323 001 LEC, 08:00am-11:00am S, PetH 5, STPAUL, 09/12/15-10/10/15, instruction mode: Classroom, 1 cr

5991 Independent Study in Social Work

(max crs 4; 4 repeats allowed)

12150 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

8010 Seminar: Field Practicum I

(max crs 8; S-N only; prereq 8201)

11044 001 FWK, 11:45am-01:30pm Th, PetH 280, STPAUL, 09/10/15-09/10/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 09/24/15-09/24/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 10/08/15-10/08/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 10/22/15-10/22/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 11/05/15-11/05/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 11/19/15-11/19/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom; Meets with: 11046 SW 8030, 1-8 cr

19514 002 FWK, 11:45am-01:30pm Th, PetH 70, STPAUL, 09/10/15-09/10/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 09/24/15-09/24/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 10/08/15-10/08/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 10/22/15-10/22/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 11/05/15-11/05/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 11/19/15-11/19/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom; Meets with: 19522 SW 8030, 1-8 cr

19515 003 FWK, 11:45am-01:30pm Th, PetH 74, STPAUL, 09/10/15-09/10/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 09/24/15-09/24/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 10/08/15-10/08/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 10/22/15-10/22/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 11/05/15-11/05/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 11/19/15-11/19/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom; Meets with: 19523 SW 8030, 1-8 cr

19516 004 FWK, 11:45am-01:30pm Th, PetH 80, STPAUL, 09/10/15-09/10/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 09/24/15-09/24/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 10/08/15-10/08/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 10/22/15-10/22/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 11/05/15-11/05/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 11/19/15-11/19/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom; Meets with: 19524 SW 8030, 1-8 cr

19517 005 FWK, 02:45pm-04:30pm S, PetH 280, STPAUL, 09/12/15-09/12/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 09/26/15-09/26/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 10/10/15-10/10/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 10/24/15-10/24/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 11/07/15-11/07/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 11/21/15-11/21/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 12/05/15-12/05/15, instruction mode: Classroom; Meets with: 19525 SW 8030, 1-8 cr

19518 006 FWK, 02:45pm-04:30pm S, PetH 5, STPAUL, 09/12/15-09/12/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 09/26/15-09/26/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 10/10/15-10/10/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 10/24/15-10/24/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 11/11/15-11/11/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 12/05/15-12/05/15, instruction mode: Classroom; Meets with: 19517 SW 8010, 1-8 cr

07/15-11/07/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 11/21/15-11/21/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 12/05/15-12/05/15, instruction mode: Classroom; Meets with: 19526 SW 8030, 1-8 cr

24477 007 FWK, 05:30pm-07:15pm T, PetH 280, STPAUL, 09/08/15-09/08/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 09/22/15-09/22/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 10/06/15-10/06/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 10/20/15-10/20/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 11/03/15-11/03/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 11/17/15-11/17/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 12/01/15-12/01/15, instruction mode: Classroom; Meets with: 24480 SW 8030, 1-8 cr

24478 008 FWK, 05:30pm-07:15pm T, PetH 74, STPAUL, 09/08/15-09/08/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 09/22/15-09/22/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 10/06/15-10/06/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 10/20/15-10/20/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 11/03/15-11/03/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 11/17/15-11/17/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 12/01/15-12/01/15, instruction mode: Classroom; Meets with: 24481 SW 8030, 1-8 cr

24479 009 FWK, 05:30pm-07:15pm T, PetH 80, STPAUL, 09/08/15-09/08/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 09/22/15-09/22/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 10/06/15-10/06/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 10/20/15-10/20/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 11/03/15-11/03/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 11/17/15-11/17/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 12/01/15-12/01/15, instruction mode: Classroom; Meets with: 24482 SW 8030, 1-8 cr

8020 Field Practicum II

(max crs 6; S-N only; prereq 8010)

11045 001 FWK, instruction mode: Classroom, 1-6 cr
19519 002 FWK, instruction mode: Classroom, 1-6 cr
19520 003 FWK, instruction mode: Classroom, 1-6 cr
19521 004 FWK, instruction mode: Classroom, 1-6 cr
24671 005 FWK, instruction mode: Classroom, 1-6 cr

8030 Advanced Standing Social Work Practicum

(max crs 8; S-N only; prereq Adv standing)

11046 001 FWK, 11:45am-01:30pm Th, PetH 280, STPAUL, 09/10/15-09/10/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 09/24/15-09/24/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 10/08/15-10/08/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 10/22/15-10/22/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 11/05/15-11/05/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 11/19/15-11/19/15, 11:45am-01:30pm Th, PetH 280, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom; Meets with: 11044 SW 8010, 1-8 cr

19522 002 FWK, 11:45am-01:30pm Th, PetH 70, STPAUL, 09/10/15-09/10/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 09/24/15-09/24/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 10/08/15-10/08/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 10/22/15-10/22/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 11/05/15-11/05/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 11/19/15-11/19/15, 11:45am-01:30pm Th, PetH 70, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom; Meets with: 19514 SW 8010, 1-8 cr

19523 003 FWK, 11:45am-01:30pm Th, PetH 74, STPAUL, 09/10/15-09/10/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 09/24/15-09/24/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 10/08/15-10/08/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 10/22/15-10/22/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 11/05/15-11/05/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 11/19/15-11/19/15, 11:45am-01:30pm Th, PetH 74, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom; Meets with: 19515 SW 8010, 1-8 cr

19524 004 FWK, 11:45am-01:30pm Th, PetH 80, STPAUL, 09/10/15-09/10/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 09/24/15-09/24/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 10/08/15-10/08/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 10/22/15-10/22/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 11/05/15-11/05/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 11/19/15-11/19/15, 11:45am-01:30pm Th, PetH 80, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom; Meets with: 19516 SW 8010, 1-8 cr

19525 005 FWK, 02:45pm-04:30pm S, PetH 280, STPAUL, 09/12/15-09/12/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 09/26/15-09/26/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 10/10/15-10/10/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 10/24/15-10/24/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 11/07/15-11/07/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 11/21/15-11/21/15, 02:45pm-04:30pm S, PetH 280, STPAUL, 12/05/15-12/05/15, instruction mode: Classroom; Meets with: 19517 SW 8010, 1-8 cr

19526 006 FWK, 02:45pm-04:30pm S, PetH 5, STPAUL, 09/12/15-09/12/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 09/26/15-09/26/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 10/10/15-10/10/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 10/24/15-10/24/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 11/07/15-11/07/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 11/21/15-11/21/15, 02:45pm-04:30pm S, PetH 5, STPAUL, 12/05/15-12/05/15, instruction mode: Classroom; Meets with: 19518 SW 8010, 1-8 cr

24480 I007 FWK, 05:30pm-07:15pm T, PetH 280, STPAUL, 09/08/15-09/08/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 09/22/15-09/22/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 10/06/15-10/06/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 10/20/15-10/20/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 11/03/15-11/03/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 11/17/15-11/17/15, 05:30pm-07:15pm T, PetH 280, STPAUL, 12/01/15-12/01/15, instruction mode: Classroom; Meets with: 24477 SW 8010, 1-8 cr

24481 I008 FWK, 05:30pm-07:15pm T, PetH 74, STPAUL, 09/08/15-09/08/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 09/22/15-09/22/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 10/06/15-10/06/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 10/20/15-10/20/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 11/03/15-11/03/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 11/17/15-11/17/15, 05:30pm-07:15pm T, PetH 74, STPAUL, 12/01/15-12/01/15, instruction mode: Classroom; Meets with: 24478 SW 8010, 1-8 cr

24482 I009 FWK, 05:30pm-07:15pm T, PetH 80, STPAUL, 09/08/15-09/08/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 09/22/15-09/22/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 10/06/15-10/06/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 10/20/15-10/20/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 11/03/15-11/03/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 11/17/15-11/17/15, 05:30pm-07:15pm T, PetH 80, STPAUL, 12/01/15-12/01/15, instruction mode: Classroom; Meets with: 24479 SW 8010, 1-8 cr

8041 Specialized Field Placement

(max crs 4; S-N; prereq [8020 or 8030], instr consent)
19323 001 LEC, instruction mode: Classroom, 1-4 cr

8151 Social Work Methods: Practice With Individuals and Systems

(A-F only; prereq MSW student or instr consent)
11669 001 LEC, 09:35am-11:30am F, PetH 39, STPAUL, instruction mode: Classroom, 2 cr
11670 002 LEC, 09:35am-11:30am F, PetH 80, STPAUL, instruction mode: Classroom, 2 cr
11671 003 LEC, 09:35am-11:30am F, PetH 155, STPAUL, instruction mode: Classroom, 2 cr
24475 004 LEC, 08:00am-10:00am S, PetH 39, STPAUL, instruction mode: Classroom, 2 cr

8152 Social Work Practice Methods: Families and Groups

(A-F only; prereq MSW student or instr consent)
22411 001 LEC, 01:55pm-03:50pm F, PetH 5, STPAUL, instruction mode: Classroom, 2 cr
22412 002 LEC, 01:55pm-03:50pm F, PetH 80, STPAUL, instruction mode: Classroom, 2 cr
22413 003 LEC, 01:55pm-03:50pm F, PetH 155, STPAUL, instruction mode: Classroom, 2 cr
24476 004 LEC, 10:15am-12:15pm S, PetH 39, STPAUL, instruction mode: Classroom, 2 cr

8153 Models of Community Intervention

(A-F only; prereq MSW student or instr consent)
24208 001 LEC, 09:35am-10:25am Th, PetH 155, STPAUL, instruction mode: Classroom, 1 cr
24209 002 LEC, 09:35am-10:25am Th, PetH 145, STPAUL, instruction mode: Classroom, 1 cr
24210 I003 LEC, 05:30pm-06:20pm F, PetH 39, STPAUL, instruction mode: Classroom, 1 cr

8154 Organizations and Policy Advocacy

(A-F only; prereq MSW student or instr consent)
24211 001 LEC, 10:40am-11:30am Th, PetH 155, STPAUL, instruction mode: Classroom, 1 cr
24212 002 LEC, 10:40am-11:30am Th, PetH 145, STPAUL, instruction mode: Classroom, 1 cr
24213 I003 LEC, 06:30pm-07:20pm F, PetH 39, STPAUL, instruction mode: Classroom, 1 cr

8251 Social Work Practice in Health, Disabilities, and Aging

(A-F only; prereq [5051, 5101, 8151, 8152, 8153, 8154] or MSW Adv Standing or instr consent)
22414 I001 LEC, 05:10pm-07:30pm W, RuttanH 143, STPAUL, instruction mode: Classroom; Must also attend FIPCC these dates: 10/9, 10/23, 10/30, 11/6, 11/13, 11/20, 3 cr

8261 Advanced Social Work Practice in Health Care

(A-F; prereq [5051, 5101, 8151, 8152, 8153, 8841] or MSW Adv Standing or instr consent)
32569 001 LEC, 08:30am-11:30am Th, RuttanH B36, STPAUL, instruction mode: Classroom, 3 cr

8263 Advanced Direct Practice and Community-Based Interventions in Gerontology

(A-F only; prereq [SW 8251 or Concurrent registration is required (or allowed) in 8251], [5051, 5101, 8151, 8152, 8153, 8841] or MSW Adv Standing or instr consent)
32571 001 LEC, 08:30am-11:30am F, PetH 74, STPAUL, instruction mode: Classroom, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
17182 001 IND, instruction mode: Classroom, 1 cr

8351 Advanced Practice I: Families and Children

(A-F only; prereq [5051, 5101, 8151, 8152, 8153, 8154] or MSW Adv Standing or instr consent)
22416 I001 LEC, 05:10pm-08:00pm F, PetH 155, STPAUL, instruction mode: Classroom, 3 cr
23963 I002 LEC, 05:10pm-08:00pm W, PetH 39, STPAUL, instruction mode: Classroom, 3 cr

8352 Advanced Practice II: Families and Children

(A-F only; prereq [8351 or Concurrent registration is required (or allowed) in 8351], [5051, 5101, 8151, 8152, 8153, 8841] or MSW Adv Standing or instr consent)
22417 001 LEC, 02:45pm-05:45pm S, PetH 39, STPAUL, instruction mode: Classroom, 3 cr

8361 Identification and Assessment of Family Violence

(A-F only; prereq [5051, 5101, 8151, 8152, 8153, 8841] or MSW Adv Standing or instr consent)
22418 001 LEC, 11:30am-02:30pm S, PetH 80, STPAUL, instruction mode: Classroom, 3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14158 001 IND, instruction mode: Classroom, 1 cr

8451 Assessment and Engagement in Clinical Social Work Practice

(A-F only; prereq [5051, 5101, 8151, 8152, 8153, 8154] or MSW Adv Standing or instr consent)
22419 I001 LEC, 05:10pm-08:00pm W, PetH 145, STPAUL, instruction mode: Classroom, 3 cr
22731 I002 LEC, 05:10pm-08:00pm F, PetH 5, STPAUL, instruction mode: Classroom, 3 cr

8452 Core Concepts in Clinical Social Work Practice

(A-F only; prereq [8451 or Concurrent registration is required (or allowed) in 8451], [5051, 5101, 8151, 8152, 8153, 8841] or MSW Adv Standing or instr consent)
22420 001 LEC, 08:30am-11:30am F, PetH 5, STPAUL, instruction mode: Classroom, 3 cr
23745 002 LEC, 11:30am-02:30pm S, PetH 5, STPAUL, instruction mode: Classroom, 3 cr

8461 Advanced Clinical Social Work Practice with Adults

(A-F only; prereq [8451 or Concurrent registration is required (or allowed) in 8451], [5051, 5101, 8151, 8152, 8153, 8841] or MSW Adv Standing or instr consent)
12103 001 LEC, 01:55pm-04:55pm F, PetH 145, STPAUL, instruction mode: Classroom, 3 cr

8462 Advanced Clinical Practice With Children and Adolescents

(A-F only; prereq [8351 or Concurrent registration is required (or allowed) in 8351] or [8451 or Concurrent registration is required (or allowed) in 8451], [5051, 5101, 8151, 8152, 8153, 8841] or MSW Adv Standing or instr consent)
11641 001 LEC, 08:30am-11:30am Th, BioSci 12, STPAUL, instruction mode: Classroom, 3 cr

8552 Advanced Community Practice: Leadership, Planning, and Program Development

(A-F only; prereq [5051, 5101, 8151, 8152, 8153, 8841] or MSW Adv Standing or instr consent)
22421 001 LEC, 08:30am-11:30am Th, PetH 80, STPAUL, instruction mode: Classroom, 3 cr

8561 Human Resources Management in Human Services Agencies

(A-F only; prereq [5051, 5101, 8151, 8152, 8153, 8841] or MSW Adv Standing or instr consent)
22422 001 LEC, 08:30am-11:30am F, PetH 280, STPAUL, instruction mode: Classroom, 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14273 001 IND, instruction mode: Classroom, 1-6 cr

8693 Directed Study

(max crs 6; 6 repeats allowed; prereq instr consent)
12148 001 IND, instruction mode: Classroom, 1-6 cr

8694 Directed Research

(max crs 6; prereq instr consent)
12149 001 IND, instruction mode: Classroom, 1-6 cr

8842 Advanced Social Work Evaluation

(max crs 6; A-F only; prereq [Concurrent registration is required (or allowed) in 8020 or 8030], [5051, 5801, 8151, 8152, 8153, 8841] or MSW Adv Standing or instr consent)
22423 001 LEC, 01:55pm-04:50pm Th, PetH 280, STPAUL, 09/10/15-10/08/15, 01:55pm-04:50pm Th, PetH 280, STPAUL, 10/29/15-10/29/15, 01:55pm-04:50pm Th, PetH 280, STPAUL, 11/12/15-11/12/15, 01:55pm-04:50pm Th, PetH 280, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom, 1-3 cr

22424 002 LEC, 01:55pm-04:50pm Th, PetH 5, STPAUL, 09/10/15-10/08/15, 01:55pm-04:50pm Th, PetH 5, STPAUL, 10/29/15-10/29/15, 01:55pm-04:50pm Th, PetH 5, STPAUL, 11/12/15-11/12/15, 01:55pm-04:50pm Th, PetH 5, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom, 1-3 cr

22870 003 LEC, 01:55pm-04:50pm Th, PetH 39, STPAUL, 09/10/15-10/08/15, 01:55pm-04:50pm Th, PetH 39, STPAUL, 10/29/15-10/29/15, 01:55pm-04:50pm Th, PetH 39, STPAUL, 11/12/15-11/12/15, 01:55pm-04:50pm Th, PetH 39, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom, 1-3 cr

22871 004 LEC, 01:55pm-04:50pm Th, PetH 74, STPAUL, 09/10/15-10/08/15, 01:55pm-04:50pm Th, PetH 74, STPAUL, 10/29/15-10/29/15, 01:55pm-04:50pm Th, PetH 74, STPAUL, 11/12/15-11/12/15, 01:55pm-04:50pm Th, PetH 74, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom, 1-3 cr

22872 005 LEC, 01:55pm-04:50pm Th, PetH 80, STPAUL, 09/10/15-10/08/15, 01:55pm-04:50pm Th, PetH 80, STPAUL, 10/29/15-10/29/15, 01:55pm-04:50pm Th, PetH 80, STPAUL, 11/12/15-11/12/15, 01:55pm-04:50pm Th, PetH 80, STPAUL, 12/03/15-12/03/15, instruction mode: Classroom, 1-3 cr

22873 006 LEC, 08:00am-11:00am S, PetH 280, STPAUL, 09/12/15-10/10/15, 08:00am-11:00am S, PetH 280, STPAUL, 10/31/15-10/31/15, 08:00am-11:00am S, PetH 280, STPAUL, 11/14/15-11/14/15, 08:00am-11:00am S, PetH 280, STPAUL, 12/05/15-12/05/15, instruction mode: Classroom, 1-3 cr

23746 007 LEC, 08:00am-11:00am S, PetH 74, STPAUL, 09/12/15-10/10/15, 08:00am-11:00am S, PetH 74, STPAUL, 10/31/15-10/31/15, 08:00am-11:00am S, PetH 74, STPAUL, 11/14/15-11/14/15, 08:00am-11:00am S, PetH 74, STPAUL, 12/05/15-12/05/15, instruction mode: Classroom, 1-3 cr

8861 Theory and Model Development in Social Work

(A-F; prereq Soc wk PhD student or instr consent)
26278 001 LEC, 01:00pm-04:00pm T, PetH 280, STPAUL, instruction mode: Classroom, 3 cr

8871 Social Work Research Seminar I

(A-F; prereq Soc wk PhD student or instr consent)
11600 001 LEC, 01:15pm-04:15pm Th, PetH 276, STPAUL, instruction mode: Classroom, 3 cr

8875 Research Practicum

(max crs 6; 3 repeats allowed; S-N only; prereq Soc wk PhD student or instr consent)
14581 001 IND, 08:30am-10:25am T, PetH 280, STPAUL, 09/08/15-09/08/15, 08:30am-10:25am T, PetH 280, STPAUL, 09/22/15-09/22/15, 08:30am-10:25am T, PetH 280,

STPAUL, 10/06/15-10/06/15, 08:30am-10:25am T, PetH 280, STPAUL, 10/20/15-10/20/15, 08:30am-10:25am T, PetH 280, STPAUL, 11/03/15-11/03/15, 08:30am-10:25am T, PetH 280, STPAUL, 11/17/15-11/17/15, 08:30am-10:25am T, PetH 280, STPAUL, 12/01/15-12/01/15, 08:30am-10:25am T, PetH 280, STPAUL, 12/15/15-12/15/15, instruction mode: Classroom, 2 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13788 001 IND, instruction mode: Classroom, 1-24 cr

8902 Social Work Supervision, Consultation, and Leadership

(prereq Advanced Standing or students who have completed the entire foundation curriculum including SW 8010 or instr consent; credit will not be granted if credit already received for: SW 8803)

23747 !001 LEC, 05:10pm-08:00pm Th, PetH 39, STPAUL, 09/17/15-11/19/15, instruction mode: Classroom; Meets Sept 17-Nov 19!, 2 cr

SOCIOLOGY (Soc)

909 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-4300, <http://www.soc.umn.edu>

1001 Introduction to Sociology

(Credit will not be granted if credit has been received for: SOC 1011V, SOC 1012W; prereq Soc majors/minors must register A-F; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences)

001 LEC, 09:45am-11:00am MW, BlegH 5, instruction mode: Classroom; Swartz, Teresa Toguchi

10964 002 DIS, 11:15am-12:05pm M, BlegH 260, instruction mode: Classroom, 4 cr

10965 003 DIS, 11:15am-12:05pm M, BlegH 115, instruction mode: Classroom; 20 seats reserved for CATS (CLA Pres Emerg Scholars), 4 cr

10966 004 DIS, 08:20am-09:30am W, BlegH 115, instruction mode: Classroom, 4 cr

10967 005 DIS, 08:20am-09:30am W, BlegH 105, instruction mode: Classroom, 4 cr

10968 006 DIS, 11:15am-12:05pm W, BlegH 115, instruction mode: Classroom; , 4 cr

10969 007 DIS, 11:15am-12:05pm W, BlegH 105, instruction mode: Classroom; , 4 cr

015 LEC, 10:10am-11:00am MWF, AndH 270, instruction mode: Classroom; Logan, Enid

10971 016 DIS, 11:15am-12:05pm M, BlegH 105, instruction mode: Classroom; , 4 cr

19610 017 DIS, 11:15am-12:05pm M, BlegH 240, instruction mode: Classroom; , 4 cr

10972 018 DIS, 09:05am-09:55am W, BlegH 225, instruction mode: Classroom; , 4 cr

10973 019 DIS, 09:05am-09:55am W, BlegH 205, instruction mode: Classroom; , 4 cr

25568 020 DIS, 09:05am-09:55am F, BlegH 225, instruction mode: Classroom; , 4 cr

34550 021 DIS, 09:05am-09:55am F, BlegH 105, instruction mode: Classroom, 4 cr

!030 LEC, 05:30pm-08:00pm W, AndH 250, instruction mode: Classroom; Liebler, Carolyn

10975 031 DIS, 04:25pm-05:15pm W, BlegH 230, instruction mode: Classroom; Discussion sections WILL meet the first week of class.; 1 seat reserved for non-PSEO, non-admitted student; , 4 cr

10976 032 DIS, 04:25pm-05:15pm W, BlegH 205, instruction mode: Classroom; Discussion sections WILL meet the first week of class.; , 4 cr

10977 033 DIS, 04:25pm-05:15pm W, BlegH 260, instruction mode: Classroom; Discussion sections WILL meet the first week of class.; , 4 cr

13577 !034 DIS, 08:15pm-09:05pm W, BlegH 125, instruction mode: Classroom; Discussion sections WILL meet the first week of class.; , 4 cr

14939 !035 DIS, 08:15pm-09:05pm W, BlegH 225, instruction mode: Classroom; Discussion sections WILL meet the first week of class.; , 4 cr

1011V Honors: Introduction to Sociology

(Credit will not be granted if credit has been received for: SOC 1001, SOC 1012W; A-F; prereq honors; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences; meets CLE req of Writing Intensive; meets HON req of Honors)

13391 001 LEC, 12:20pm-02:00pm MW, HHHctr 25, instruction mode: Classroom; 10 seats reserved for CLA and FRFY fr and honors stu; 4 seats reserved for CLA honors, soph; 4 seats reserved for honors, fr or FRFY; Swartz, Teresa Toguchi, 4 cr

1101 Law, Crime, & Punishment (A-F only)

34547 001 LEC, 02:30pm-03:45pm TTh, BlegH 250, instruction mode: Classroom; Ferrales, Gabrielle, 3 cr

1571 Introduction to Sociology

(A-F only; prereq Concurrent registration is required (or allowed) in MATH 1161; Only Rochester-admitted students will be able to enroll in this course.; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences)

19846 001 LEC, 08:00am-08:50am MWF, Usq 318, ROCHESTER, instruction mode: Classroom; Dingel, Molly J.; Altrichter, Shanna L; Norris, Adele Natasha, 3 cr

19845 002 LEC, 09:05am-09:55am MWF, Usq 318, ROCHESTER, instruction mode: Classroom; Dingel, Molly J.; Altrichter, Shanna L; Norris, Adele Natasha, 3 cr

31552 003 LEC, 11:15am-12:05pm MWF, Usq 415, ROCHESTER, instruction mode: Classroom; Dingel, Molly J.; Norris, Adele Natasha; Altrichter, Shanna L, 3 cr

31553 004 LEC, 12:20pm-01:10pm MWF, Usq 415, ROCHESTER, instruction mode: Classroom; Dingel, Molly J.; Norris, Adele Natasha; Altrichter, Shanna L, 3 cr

1905 Freshman Seminar (A-F; prereq Fr)

23903 001 LEC, 11:15am-12:30pm TTh, BlegH 435, instruction mode: Classroom; Gowen, Teresa, 3 cr

3090 Topics in Sociology

(max crs 6; prereq Soph or above or instr consent ; 1001 recommended; soc majors must register A-F; cr will not be granted if cr has been received for the same topics title)

25569 001 LEC, 11:15am-12:30pm TTh, BlegH 135, instruction mode: Classroom; Soc majors/minors must register A-F; Aminzade, Ron R, 3 cr; Social & Political Protest around the World

34549 !002 LEC, 05:30pm-08:00pm T, BlegH 135, instruction mode: Classroom; Gerteis, Joseph Howard, 3 cr

3101 Sociological Perspectives on the Criminal Justice System

(Credit will not be granted if credit has been received for: SOC 3101H; A-F only; credit will not be granted if credit has been received for Soc 3111; meets CLE req of Civic Life and Ethics)

15129 001 LEC, 09:45am-11:00am TTh, BlegH 10, instruction mode: Classroom, 3 cr

3102 Criminal Behavior and Social Control

(prereq Soc majors/minors must register A-F; credit will not be granted if credit has been received for Soc 3111)

15131 001 LEC, 11:15am-12:30pm TTh, BlegH 255, instruction mode: Classroom; Ferrales, Gabrielle, 3 cr

3201 Inequality: Introduction to Stratification

(prereq 1001 recommended; soc majors/minors must register A-F)

25571 001 LEC, 01:00pm-02:15pm TTh, BlegH 110, instruction mode: Classroom; Bian, Yanjie, 3 cr

3211W American Race Relations

(A-F only; prereq Soc majors/minors must register A-F; meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive)

21461 001 LEC, 01:00pm-02:15pm MW, BlegH 120, instruction mode: Classroom; Logan, Enid, 3 cr

3301W Politics and Society

(A-F only; prereq 1001 recommended; soc majors/minors must register A-F; meets CLE req of Writing Intensive)

34551 001 LEC, 09:45am-11:00am MW, BlegH 155, instruction mode: Classroom; Broadbent, Jeffrey Praed, 3 cr

3501 Sociology of Families

(prereq 1001 or instr consent ; soc majors/minors must register A-F; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences)

34552 001 LEC, 02:30pm-03:45pm TTh, BlegH 150, instruction mode: Classroom, 3 cr

3511 World Population Problems

(Credit will not be granted if credit has been received for: SOC 3511H; prereq Soc majors/minors must register A-F; credit will not be granted if credit has been received for 3511H; meets CLE req of Global Perspectives)

24035 001 LEC, 01:00pm-02:15pm TTh, BlegH 150, instruction mode: Classroom; Meets with: 34569 SOC 5511; Meier, Ann, 3 cr

3531 Health Policy in a Global Context

(A-F only; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)

25099 001 DIS, instruction mode: Classroom; Meets with: 26912 PUBH 3531, 3 cr

3613V Honors: Stuffed and Starved: The Politics of Eating

(Credit will not be granted if credit has been received for: GLOS 3613W, SOC 3613W, GLOS 3613V; A-F; meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive; meets HON req of Honors)

26140 001 LEC, 09:45am-11:00am MW, BlegH 120, instruction mode: Classroom; 1 seat reserved for Soc major, honors; Meets with: 34293 GLOS 3613W, 34294 GLOS 3613V, 23900 SOC 3613W; Schurman, Rachel, 3 cr

3613W Stuffed and Starved: The Politics of Eating

(Credit will not be granted if credit has been received for: GLOS 3613W, SOC 3613W, GLOS 3613V; A-F; prereq Soc majors/minors must register A-F; meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive)

23900 001 LEC, 09:45am-11:00am MW, BlegH 120, instruction mode: Classroom; Meets with: 34293 GLOS 3613W, 34294 GLOS 3613V, 26140 SOC 3613W; Schurman, Rachel, 3 cr

3701 Social Theory

(A-F only; prereq 1001 recommended; soc majors/minors must register A-F)

34579 001 LEC, 11:15am-12:55pm MW, BlegH 250, instruction mode: Classroom; 10 seats reserved for Soc major; Hull, Kathleen E, 4 cr

11006 002 LEC, 01:25pm-03:05pm MW, BlegH 150, instruction mode: Classroom; 20 seats reserved for Soc major, 4 cr

21439 !003 LEC, 05:00pm-08:30pm W, HHHctr 25, instruction mode: Classroom; 10 seats reserved for Soc major; Edgell, Penny A, 4 cr

3801 Sociological Research Methods

(prereq 1001 recommended; soc majors must register A-F)

001 LEC, 09:45am-11:00am TTh, AndH 330, instruction mode: Classroom; DeWaard, Jack

10993 002 LAB, 09:45am-11:00am W, HHHctr 30, instruction mode: Classroom; (Declared sociology majors have priority registration through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr

14748 003 LAB, 11:15am-12:30pm W, BlegH 110, instruction mode: Classroom; (Declared sociology majors have priority registration through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr

21885 004 LAB, 01:00pm-02:15pm W, HHHctr 60, instruction mode: Classroom; (Declared sociology majors have priority registration through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr

34580 005 LAB, 01:00pm-02:15pm Th, BlegH 230, instruction mode: Classroom; (Declared sociology majors have priority registration through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr

!009 LEC, 05:30pm-08:00pm T, BlegH 155, instruction mode: Classroom; Liebler, Carolyn

15504 010 LAB, 04:00pm-05:15pm Th, BlegH 145, instruction mode: Classroom; (Declared sociology majors have priority registration through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr

25579 !011 LAB, 05:30pm-06:45pm Th, CarlSMgmt 1-136, instruction mode: Classroom; (Declared sociology majors have priority registration through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr

3811 Basic Social Statistics

(Credit will not be granted if credit has been received for: SOC 5811; prereq 1001 recommended, Undergraduates with strong math background who have completed Soc 3801 are encouraged to register for 5811 in lieu of 3811. Currently, 5811 only offered in fall. Credit will not be granted if credit has been received for 5811. Soc majors/minors must register A-F.; meets CLE req of Mathematical Thinking)

001 LEC, 09:45am-11:00am TTh, WBU AUDITORIUM, instruction mode: Classroom; Bian, Yanjie

10659 002 LAB, 08:00am-09:40am W, BlegH 440, instruction mode: Classroom; (Declared sociology majors have priority registration for reserved seats through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr

10660 003 LAB, 10:10am-11:05am W, BlegH 440, instruction mode: Classroom; (Declared sociology majors have priority registration for reserved seats through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr

10661 004 LAB, 12:20pm-02:00pm W, BlegH 440, instruction mode: Classroom; (Declared sociology majors have priority registration for reserved seats through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr
 10662 005 LAB, 08:00am-09:40am Th, BlegH 440, instruction mode: Classroom; (Declared sociology majors have priority registration for reserved seats through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr
 10663 006 LAB, 12:20pm-02:00pm Th, BlegH 440, instruction mode: Classroom; (Declared sociology majors have priority registration for reserved seats through 4/10/2015); 27 seats reserved for Soc major - EXPIRES 10-APR-2015; , 4 cr

4101V Honors: Sociology of Law

(Credit will not be granted if credit has been received for: SOC 4101W; A-F only; prereq [1001, 3101, 3102] or 3701 recommended, soc majors/minors must register A-F; meets CLE req of Writing Intensive; meets HON req of Honors)

25748 001 LEC, 01:00pm-02:15pm TTh, BlegH 120, instruction mode: Classroom; 1 seat reserved for Soc major, honors; Meets with: 19762 SOC 4101W; Boyle, Elizabeth Heger, 3 cr

4101W Sociology of Law

(Credit will not be granted if credit has been received for: SOC 4101V; A-F only; prereq [1001, 3101, 3102] or 3701 recommended, soc majors/minors must register A-F; meets CLE req of Writing Intensive)

19762 001 LEC, 01:00pm-02:15pm TTh, BlegH 120, instruction mode: Classroom; Meets with: 25748 SOC 4101V; Boyle, Elizabeth Heger, 3 cr

4104 Crime and Human Rights

(Credit will not be granted if credit has been received for: GLOS 4104, GLOS 4104H, SOC 4104H; prereq 1001, at least one 3xxx SOC or GLOS course recommended, soc majors/minors must register A-F)

25749 001 LEC, 02:30pm-03:45pm TTh, BlegH 255, instruction mode: Classroom; Meets with: 26181 GLOS 4104, 26284 GLOS 4104H, 26298 SOC 4104H; Savelsberg, Joachim J, 3 cr

4104H Honors: Crime & Human Rights

(Credit will not be granted if credit has been received for: SOC 4104, GLOS 4104, GLOS 4104H; A-F; prereq 1001, at least one 3xxx SOC or GLOS course recommended; meets HON req of Honors)

26298 001 LEC, 02:30pm-03:45pm TTh, BlegH 255, instruction mode: Classroom; 1 seat reserved for Soc major, honors; Meets with: 26181 GLOS 4104, 26284 GLOS 4104H, 25749 SOC 4104; Savelsberg, Joachim J, 3 cr

4105 Sociology of Punishment and Corrections

(A-F only; prereq 3101 or 3102 or 3111 or instr consent ; soc majors/minors must register A-F)

25581 001 LEC, 09:45am-11:00am MW, BlegH 215, instruction mode: Classroom; Page, Joshua A, 3 cr

4125 Policing America

(A-F only; prereq [3101 or 3102 recommended or instr consent], soc majors/minors must register A-F)

25583 001 LEC, 06:00pm-08:30pm M, BlegH 130, instruction mode: Classroom, 3 cr

4162 Criminal Procedure in American Society

(prereq 3101 or 3102 or 3111 or instr consent ; soc majors/minors must register A-F)

34546 001 LEC, 02:30pm-05:00pm W, HHHctr 25, instruction mode: Classroom; Samaha, Joel B, 3 cr

4190 Topics in Sociology With Law, Criminology, and Deviance Emphasis

(max crs 6; prereq [1001, [3101 or 3102]] recommended; soc majors/minors must register A-F; cr will not be granted if cr has been received for the same topics title)

34869 001 LEC, 01:00pm-02:15pm MW, BlegH 250, instruction mode: Classroom; Page, Joshua A, 3 cr

4305 Environment & Society: An Enduring Conflict

(Credit will not be granted if credit has been received for: GLOS 4305; A-F only; prereq 1001 or environmental course recommended, [soc majors/minors must register A-F]; meets CLE req of Environment)

25585 001 LEC, 01:00pm-02:15pm MW, BlegH 205, instruction mode: Classroom; Meets with: 25616 GLOS 4305; Broadbent, Jeffrey Praed, 3 cr

4451 Modern Sport: Its Power & Paradoxes

(Credit will not be granted if credit has been received for: SOC 4451, SOC 4451H; prereq 1001 recommended, soc majors/minors must register A-F)

34581 001 LEC, 01:00pm-02:15pm MW, CarlSMgmt L-118, instruction mode: Classroom; Hartmann PhD, Douglas, 3 cr

4511 Sociology of Youth: Transition to Adulthood

(prereq 1001 recommended, soc majors/minors must register A-F)

34584 001 LEC, 11:15am-12:30pm MW, BlegH 230, instruction mode: Classroom; Mortimer, Jaylan T, 3 cr

4966W Major-Project Seminar

(A-F only; prereq 1001, 3701, 3801, 3811, 12 cr upper div sociology, dept consent; meets CLE req of Writing Intensive)

11821 001 LEC, 09:45am-11:00am MW, BlegH 235, instruction mode: Classroom; Must obtain permission number from Department office to register.; Hartmann PhD, Douglas, 4 cr

4977V Senior Honors Proseminar I

(A-F only; prereq 3701, 3801, 3811, 9 additional upper div sociology cr, sr soc honors major, dept consent; meets CLE req of Writing Intensive; meets HON req of Honors)

11848 001 LEC, 02:30pm-05:00pm W, SocSci 278, instruction mode: Classroom; Must obtain permission number from Department office to register.; 15 seats reserved for Soc mjr, jr or sr, honors; Mortimer, Jaylan T, 3 cr

5090 Topics in Sociology

(max crs 9; 3 repeats allowed; prereq Undergrad soc majors/minors must register A-F)

34570 001 LEC, 11:45am-02:15pm F, BlegH 435, instruction mode: Classroom; 20 seats reserved for jr or sr or grad student; Malmquist, Carl P, 3 cr; Law, Society & the Mental Health System

5455 Sociology of Education

(Credit will not be granted if credit has been received for: OLPD 5041; prereq 1001 or equiv or instr consent ; soc majors/minors must register A-F)

26713 001 LEC, 04:40pm-07:20pm W, STSS 131A, instruction mode: Classroom; 10 seats reserved for Graduate Student; Meets with: 24892 OLPD 5041; Seashore, Karen Rose; Barajas, Heidi Lasley, 3 cr

5511 World Population Problems

(Credit will not be granted if credit has been received for: PA 5301; prereq Soc majors/minors must register A-F, credit will not be granted if credit has been received for PA 5301)

34569 001 LEC, 01:00pm-02:15pm TTh, BlegH 150, instruction mode: Classroom; Meets with: 24035 SOC 3511; Meier, Ann, 3 cr

5811 Intermediate Social Statistics

(Credit will not be granted if credit has been received for: SOC 3811; prereq Primarily for 1st-yr soc grad students, [undergraduates with strong math background who have completed 3801 are encouraged to register for 5811 in lieu of 3811 or instr consent], soc majors/minors must register A-F)

001 LEC, 11:15am-12:30pm TTh, SocSci 1114, instruction mode: Classroom; Knoke, David Harmon
 10665 002 LAB, 02:30pm-04:25pm M, BlegH 440, instruction mode: Classroom; 11 seats reserved for Soc grad student, 4 cr

8001 Sociology as a Profession

(max crs 2; S-N only; prereq Grad soc major)

15817 001 LEC, 01:00pm-02:00pm T, SocSci 1183, instruction mode: Classroom; 11 seats reserved for Soc grad student; , 1 cr

8090 Topics in Sociology

(max crs 12; 4 repeats allowed; prereq instr consent)

23901 001 LEC, 11:15am-12:45pm T, SocSci 1183, instruction mode: Classroom; 3 seats reserved for Soc grad student; Meets with: 24132 POL 8060; Savelsberg, Joachim J; Johnson, Timothy Russell, 1.50 cr; A-F; Law & Society Review: Journal Editing Seminar
 23902 002 LEC, 02:30pm-04:00pm F, . NORMREQD, instruction mode: Classroom; Minnesota Population Center-will meet in room 29 Willey Hall.; 4 seats reserved for Soc grad student; Warren, John R, 1.50 cr; Sociology of Education: Journal Editing Seminar
 25590 003 LEC, 10:00am-11:30am F, SocSci 1114, instruction mode: Classroom; Hartmann PhD, Douglas; Uggem, Christopher, 1.50 cr; Sociology & It's Publics

8190 Topics in Law, Crime, and Deviance

(max crs 9; 3 repeats allowed; A-F only; prereq Grad student in sociology or instr consent)

22069 001 LEC, 03:35pm-06:20pm M, BlegH 330, 09/08/15-12/09/15, instruction mode: Classroom; 3 seats reserved for Soc grad student; Meets with: 26122 LAW 6226; Feld, Barry C, 3 cr; Juvenile Justice

8311 Political Sociology

34856 001 LEC, 11:45am-02:15pm W, SocSci 1114, instruction mode: Classroom; 10 seats reserved for Soc grad student; Aminzade, Ron R, 3 cr

8412 Social Network Analysis: Theory and Methods

(prereq instr consent)

34575 001 LEC, 02:30pm-05:00pm W, SocSci 1114, instruction mode: Classroom; 3 seats reserved for Soc grad student; Almqvist, Zack W, 3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14152 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14267 001 IND, instruction mode: Classroom, 1-6 cr

8701 Sociological Theory

(A-F only; prereq Grad soc major or instr consent)

11851 001 LEC, 02:30pm-03:45pm TTh, SocSci 614, instruction mode: Classroom; 12 seats reserved for Soc grad student; Gerteis, Joseph Howard, 4 cr

8888 Thesis Credits: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq [Completion of four semesters and all required credits completed], 24 cr required)

25751 001 IND, instruction mode: Classroom, 1-24 cr

8890 Advanced Topics in Research

Methods

(max crs 6; prereq Soc Grad Student whose completed 8801 and 8811 or instr consent . Cr will not be granted if cr has been received for the same topics title)

20668 001 LEC, 02:30pm-05:00pm Th, SocSci 1114, 02:30pm-05:00pm Th, SocSci 1183, instruction mode: Classroom; 5 seats reserved for Soc grad student; Gowan, Teresa, 3 cr; Ethnography

SOFTWARE ENGINEERING (SEng)

6-202 Kenneth H Keller Hall, 200 Union St SE, East Bank Campus, Minneapolis, MN, 55455
 612/625-4002, <http://www.msse.umn.edu/>

5707 The Principles of Database Systems

(A-F only; prereq Grad SEng major)

14485 001 LEC, 12:15pm-03:45pm F, . ROOM-TBA, 08/07/15-06/15/16, instruction mode: Classroom; Carlis, John Vincent, 3 cr

5801 Software Engineering I: Overview, Requirements, and Modeling

(A-F only; prereq Grad SEng major)

14486 001 LEC, 08:00am-11:45am F, . ROOM-TBA, 08/07/15-06/15/16, instruction mode: Classroom; Heimdahl, Mats, 3 cr

5851 Software Project Management

(A-F only; prereq Grad SEng major)

14951 001 LEC, 08:00am-11:45am S, KHKH 3-111, 08/07/15-06/15/16, 08:00am-11:45am S, KHKH 3-125, 08/07/15-06/15/16, 08:00am-11:45am S, KHKH 2-260, 08/07/15-06/15/16, instruction mode: Classroom; Skovbroten, John Emil; Kaman, John F, 3 cr

5861 Introduction to Software Architecture

(A-F only; prereq 2nd year, MSSE grad student)

15798 001 LEC, 12:15pm-03:45pm S, KHKH 3-210, 08/07/15-06/15/16, 12:15pm-03:45pm S, KHKH 3-111, 08/07/15-06/15/16, 12:15pm-03:45pm S, KHKH 3-125, 08/07/15-06/15/16, instruction mode: Classroom; Whalen, Michael W, 3 cr

5899 Software Engineering Seminar

(max crs 2; prereq Grad SEng major, instr consent)
13588 001 LEC, 08:00am-03:45pm F, . ROOM-TBA, 08/07/15-06/15/16, 08:00am-03:45pm S, KHKH 3-230, 08/07/15-06/15/16, instruction mode: Classroom; Class meets one Saturday per month for 4 hours as scheduled by MSSE staff.; Whalen, Michael W; Heimdahl, Mats, 1 cr

5900 Directed Study

(max crs 3)
15797 001 LEC, instruction mode: Classroom, 1-3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
14017 001 IND, instruction mode: Classroom, 1 cr

8494 Capstone Project (Plan B Project)

(S-N only; prereq SEng major)
17009 001 IND, instruction mode: Classroom, 3 cr

8891 Independent Project

(max crs 12)
18648 001 IND, instruction mode: Independent/Directed Studies; Collins, John, 2-6 cr
18649 002 IND, instruction mode: Independent/Directed Studies; Heimdahl, Mats, 2-6 cr
18650 003 IND, instruction mode: Independent/Directed Studies; Skovbroten, John Emil, 2-6 cr
18651 004 IND, instruction mode: Independent/Directed Studies; Bitzenhofer, Neil A, 2-6 cr
18652 005 IND, instruction mode: Independent/Directed Studies; Calvo, Mike, 2-6 cr
18653 006 IND, instruction mode: Independent/Directed Studies; Carlis, John Vincent, 2-6 cr
18654 007 IND, instruction mode: Independent/Directed Studies; Freese, Jesse David, 2-6 cr
18655 008 IND, instruction mode: Independent/Directed Studies; Hedger, Dick, 2-6 cr
18656 009 IND, instruction mode: Independent/Directed Studies; Kan, Stephen Hauwah, 2-6 cr
18657 010 IND, instruction mode: Independent/Directed Studies; Kruse, John Michael, 2-6 cr
18658 011 IND, instruction mode: Independent/Directed Studies; Srivastava, Jaideep, 2-6 cr
18659 012 IND, instruction mode: Independent/Directed Studies; Vayghan, Jamshid A., 2-6 cr
18660 013 IND, instruction mode: Independent/Directed Studies; Schutta, Nathaniel T, 2-6 cr

SOIL, WATER, AND CLIMATE (Soil)

439 Borlaug Hall, 1991 Upper Buford Circle, St Paul Campus, St Paul, MN, 55108
612/625-1244, <http://www.soils.umn.edu>

2125 Basic Soil Science

(Credit will not be granted if credit has been received for: SOIL 1125, SOIL 5125, AGUM 2251; A-F only; prereq [CHEM 1015, CHEM 1017] or CHEM 1021 or equiv; meets CLE req of Environment; meets CLE req of Physical Sciences)

001 LEC, 09:35am-10:25am MWF, BorH 335, STPAUL, instruction mode: Classroom; Lamb, John A
002 LAB, instruction mode: Classroom; (2 hr lab arranged Wednesday, Thursday, Friday in BorH 243A); Lamb, John A
20853 003 DIS, 09:35am-10:25am Th, BorH 243A, STPAUL, instruction mode: Classroom; Lamb, John A, 4 cr
20854 004 DIS, 10:40am-11:30am Th, BorH 243A, STPAUL, instruction mode: Classroom; Lamb, John A, 4 cr
20855 005 DIS, 11:45am-12:35pm Th, BorH 243A, STPAUL, instruction mode: Classroom; Lamb, John A, 4 cr
20856 006 DIS, 12:50pm-01:40pm Th, BorH 243A, STPAUL, instruction mode: Classroom; Lamb, John A, 4 cr
1007 LEC, 06:20pm-09:00pm M, BorH 365, STPAUL, instruction mode: Classroom; Pribyl, Douglas Wayne
26364 1008 DIS, 06:20pm-09:00pm W, BorH 243A, STPAUL, instruction mode: Classroom; Pribyl, Douglas Wayne, 4 cr
009 LAB, instruction mode: Classroom; lab arranged; Pribyl, Douglas Wayne

2601 The Social Life of Soil

(A-F; meets CLE req of Environment)
26259 001 LEC, instruction mode: Correspondence; Ballen, Karen G, 3 cr

3521 Soil Judging

(max crs 3; 3 repeats allowed; A-F only; prereq 4511)
11817 001 FWK, instruction mode: Classroom; Jelinski, Nicolas Adam; Bell, Jay, 1 cr

4093 Directed Study

(max crs 20; 20 repeats allowed; prereq instr consent)
12410 001 LEC, instruction mode: Classroom; Rosen, Carl Jay, 1-7 cr
19320 002 LEC, instruction mode: Classroom; Bell, Jay, 1-7 cr
19921 003 LEC, instruction mode: Classroom, 1-7 cr

4094 Directed Research

(max crs 7; prereq instr consent)
12411 001 LEC, instruction mode: Classroom; Rosen, Carl Jay, 1-7 cr

5232 Vadose Zone Hydrology

(prereq [Math 1271 or equiv], [Phys 1042 or equiv])
001 LEC, 09:35am-10:25am MW, Soils S415, STPAUL, instruction mode: Classroom; Gupta, Satish C
18408 002 LAB, 09:35am-12:30pm T, BorH 191, STPAUL, instruction mode: Classroom; Gupta, Satish C, 3 cr

5555 Wetland Soils

(Credit will not be granted if credit has been received for: ESPM 5555; A-F only; prereq 1125 or 2125 or equiv or instr consent ; Concurrent registration is required (or allowed) in 4511 recommended)
001 LEC, 03:00pm-03:50pm MW, RuttanH B30, STPAUL, instruction mode: Classroom; Meets with: 15559 ESPM 5555; Wheeler, Daniel B; Nater, Ed
11811 002 FWK, 03:00pm-06:00pm Th, HodsonH 495, STPAUL, instruction mode: Classroom; Meets with: 15560 ESPM 5555, 24316 LAAS 5480; Wheeler, Daniel B; Nater, Ed, 3 cr

5611 Soil Biology and Fertility

(prereq 2125, Biol 1009 or equiv, Chem 1021 or equiv, sr or grad; BioC 3xxx, MicB 3xxx recommended)
16147 001 LEC, 10:40am-11:30am MWF, BorH 365, STPAUL, instruction mode: Classroom; Meets with: 16148 ESPM 3612W; Gutknecht, Jessica Lucille Mentzer; Ballen, Karen G, 3 cr

SOMALI (Somali)

808 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-9847, <http://www.afroam.umn.edu>

1221 Beginning Somali

(A-F only)
20114 1001 LEC, 05:30pm-08:00pm MW, BlegH 140, instruction mode: Classroom; For Non-Somali Speakers; Ahmed, Said Salah, 5 cr

1225 Accelerated Beginning Somali I

(A-F; prereq Ability in basic spoken Somali)
20143 1001 LEC, 05:30pm-08:00pm TTh, HMH 1-108, instruction mode: Classroom; Must have some basic knowledge of the Somali language.; Ahmed, Said Salah, 5 cr

3227 Intermediate Somali I

(A-F; prereq Beginning Somali I, II or instr consent)
22021 001 LEC, 02:00pm-04:30pm MW, . NONSTD-TBA, instruction mode: Classroom; Meets with: 22020 SMLI 4227; Ahmed, Said Salah, 5 cr

SONOGRAPHY (Sono)

University of Minnesota Rochester, 300 University Square, 111 South Broadway, Rochester, MN, 55904
507/258-8457, r.umn.edu

3011 Foundations of Sonography

(A-F; meets CLE req of Technology and Society)
22138 001 LAB, 08/07/15-06/15/16, instruction mode: Classroom; Youngs, Diane J, 3 cr
002 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Youngs, Diane J

3111 Abdomen I Sonography

(A-F)
22139 001 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Youngs, Diane J, 2 cr

3121 Cross-Sectional Abdominal Anatomy

(A-F)
22140 001 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Youngs, Diane J, 1 cr

3201 Gynecologic Sonography

(A-F)

22141 001 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Youngs, Diane J, 2 cr

3301 Clinical Practicum I

(A-F)

22142 001 FWK, 08/07/15-06/15/16, instruction mode: Classroom; Youngs, Diane J, 3 cr

3311 Vascular Technology

(A-F)

22143 001 LEC, 08/07/15-06/15/16, instruction mode: Classroom; Youngs, Diane J, 2 cr

4111 Ultrasound Physics I

(A-F)

23249 001 LEC, instruction mode: Classroom; Youngs, Diane J, 2 cr

4201 Pediatric Sonography

(A-F)

23250 001 LEC, instruction mode: Classroom; Youngs, Diane J, 1 cr

4301 Fetal Anomalies

(A-F)

23251 001 LEC, instruction mode: Classroom; Youngs, Diane J, 2 cr

4401 Clinical Practicum IV

(A-F)

23252 001 FWK, instruction mode: Classroom; Youngs, Diane J, 7 cr

4501 Research Project & Publication

(A-F)

23253 001 LEC, instruction mode: Classroom; Youngs, Diane J, 1 cr

SPANISH (Span)

214 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5858, <http://spanport.cla.umn.edu>

144 Intermediate Medical Spanish

(S-N only; prereq [1st yr college-level Spanish or equiv], dept consent)
22880 1001 LEC, 06:30pm-08:30pm T, FolH 31, 09/08/15-10/26/15, instruction mode: Partially Online; Please contact Instructor, Maria Emilce Lopez, at lopez008@umn.edu for consent and permission number.; Runs 7 weeks, September 2-October 14.; Lopez, Maria Emilce, 0 cr

344 Advanced Medical Spanish

(S-N only; prereq Span 0144, 2 yrs. Spanish College Level or equiv, dept consent.)
19711 1001 LEC, 06:30pm-08:30pm T, FolH 118, 10/27/15-12/16/15, instruction mode: Partially Online; Please contact Instructor, Maria Emilce Lopez at lopez008@umn.edu for consent and permission number.; Runs 8 weeks. October 21 - December 9.; Lopez, Maria Emilce, 0 cr

1001 Beginning Spanish

(prereq Less than 2 yrs of high school Spanish, dept consent , no college-level Spanish)
12263 001 LEC, 09:05am-09:55am MTWThF, FolH 105, instruction mode: Classroom; Must have Permission Number to register. Permission Numbers available at 214 Folwell Hall starting March 23. Further registration requirements at spanport.umn.edu/language/permissions.html, 5 cr
12264 002 LEC, 10:10am-11:00am MTWThF, FolH 103, instruction mode: Classroom; Must have Permission Number to register. Permission Numbers available at 214 Folwell Hall starting March 23. Further registration requirements at spanport.umn.edu/language/permissions.html, 5 cr
12265 003 LEC, 11:15am-12:05pm MTWThF, FolH 103, instruction mode: Classroom; Must have Permission Number to register. Permission Numbers available at 214 Folwell Hall starting March 23. Further registration requirements at spanport.umn.edu/language/permissions.html, 5 cr
12266 004 LEC, 12:20pm-01:10pm MTWThF, FolH 105, instruction mode: Classroom; Must have Permission Number to register. Permission Numbers available at 214 Folwell Hall starting March 23. Further registration requirements at spanport.umn.edu/language/permissions.html, 5 cr
34513 1005 LEC, 06:00pm-07:55pm MW, FolH 104, instruction mode: Classroom; Must have Permission

Number to register. Permission Numbers available at 214 Folwell Hall starting March 23. Further registration requirements at spanport.umn.edu/language/permissions.html, 5 cr

1003 Intermediate Spanish

(Credit will not be granted if credit has been received for: MADR 1003; prereq [1002 or 1022] or EPT placement)

- 13928 001 LEC, 08:00am-08:50am MTWTh, FolH 103, 08:00am-08:50am F, . NORMREQD, instruction mode: Classroom; 10 seats reserved for freshman, 5 cr
- 19752 002 LEC, 08:00am-08:50am MTWTh, KoltH 140, 09:05am-08:50am F, . NORMREQD, instruction mode: Classroom; 2 seats reserved for CATS (CLA Pres Emerg Scholars), 5 cr
- 19301 003 LEC, 08:00am-08:50am MTWTh, KoltH 139, 08:00am-08:50am F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12127 004 LEC, 09:05am-09:55am MTWTh, FolH 6, 09:05am-09:55am F, . NORMREQD, instruction mode: Classroom; 10 seats reserved for freshman, 5 cr
- 12128 005 LEC, 09:05am-09:55am MTWTh, FolH 5, 09:05am-09:55am F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12129 006 LEC, 09:05am-09:55am MTWTh, FolH 4, 09:05am-09:55am F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12130 007 LEC, 10:10am-11:00am MTWTh, FolH 28, 10:10am-11:00am F, . NORMREQD, instruction mode: Classroom; 10 seats reserved for freshman, 5 cr
- 12131 008 LEC, 10:10am-11:00am MTWTh, FolH 6, 10:10am-11:00am F, . NORMREQD, instruction mode: Classroom; 2 seats reserved for CATS (CLA Pres Emerg Scholars), 5 cr
- 12132 009 LEC, 10:10am-11:00am MTWTh, FolH 5, 10:10am-11:00am F, . NORMREQD, instruction mode: Classroom; 5 seats reserved for freshman, 5 cr
- 12133 010 LEC, 11:15am-12:05pm MTWTh, FolH 6, 11:15am-12:05pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12134 011 LEC, 11:15am-12:05pm MTWTh, FolH 108, 11:15am-12:05pm F, . NORMREQD, instruction mode: Classroom; 5 seats reserved for freshman, 5 cr
- 12135 012 LEC, 12:20pm-01:10pm MTWTh, BlegH 430, 12:20pm-01:10pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12136 013 LEC, 12:20pm-01:10pm MTWTh, FolH 6, 12:20pm-01:10pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12137 014 LEC, 01:25pm-02:15pm MTWTh, FolH 12, 01:25pm-02:15pm F, . NORMREQD, instruction mode: Classroom; 9 seats reserved for freshman, 5 cr
- 27283 015 LEC, 01:25pm-02:15pm MTWTh, FolH 116, 01:25pm-02:15pm F, . NORMREQD, instruction mode: Classroom; Carlson Lombardi, Angela, 5 cr
- 13929 016 LEC, 02:30pm-03:20pm MTWTh, FolH 106, 02:30pm-03:20pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 19463 017 LEC, 02:30pm-03:20pm MTWTh, FolH 105, 02:30pm-03:20pm F, . NORMREQD, instruction mode: Classroom; 10 seats reserved for freshman, 5 cr
- 13930 018 LEC, 02:30pm-03:20pm MTWTh, FolH 104, 02:30pm-03:20pm F, . NORMREQD, instruction mode: Classroom; 1 seat reserved for CATS (CLA Pres Emerg Scholars), 5 cr
- 19474 019 LEC, 03:35pm-04:25pm MTWTh, FolH 103, 03:35pm-04:25pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 14717 020 LEC, 04:40pm-05:30pm MTWTh, FolH 16, 04:40pm-05:30pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 23092 021 LEC, 06:00pm-07:55pm MW, FolH 103, instruction mode: Classroom, 5 cr
- 23093 022 LEC, 06:00pm-07:55pm TTh, FolH 120, instruction mode: Classroom; 3 seats reserved for non-PSEO students, 5 cr

1004 Intermediate Spanish

(Credit will not be granted if credit has been received for: SPAN 1014, SPAN 1044, SPAN 4014; prereq 1003 or EPT placement)

- 17044 001 LEC, 08:00am-08:50am MTWTh, KoltH 138, 08:00am-08:50am F, . NORMREQD, instruction mode: Partially Online; 8 seats reserved for freshman, 5 cr
- 12138 002 LEC, 08:00am-08:50am MTWTh, FolH 32, 08:00am-08:50am F, . NORMREQD, instruction mode: Partially Online; 2 seats reserved for CATS (CLA Pres Emerg Scholars), 5 cr
- 12139 003 LEC, 09:05am-09:55am MTWTh, FolH 30, 09:05am-09:55am F, . NORMREQD, instruction mode: Partially Online; 5 seats reserved for freshman, 5 cr
- 12140 004 LEC, 09:05am-09:55am MTWTh, FolH 3, 09:05am-09:55am F, . NORMREQD, instruction mode: Partially Online; 2 seats reserved for CATS (CLA Pres Emerg Scholars), 5 cr

- 12141 005 LEC, 10:10am-11:00am MTWTh, FolH 4, 10:10am-11:00am F, . NORMREQD, instruction mode: Partially Online, 5 cr
- 12142 006 LEC, 10:10am-11:00am MTWTh, FolH 30, 10:10am-11:00am F, . NORMREQD, instruction mode: Partially Online, 5 cr
- 12143 007 LEC, 10:10am-11:00am MTWTh, FolH 3, 10:10am-11:00am F, . NORMREQD, instruction mode: Partially Online; 5 seats reserved for freshman, 5 cr
- 12144 008 LEC, 11:15am-12:05pm MTWTh, NichH 110, 11:15am-12:05pm F, . NORMREQD, instruction mode: Partially Online, 5 cr
- 12145 009 LEC, 11:15am-12:05pm MTWTh, FolH 12, 11:15am-12:05pm F, . NORMREQD, instruction mode: Partially Online; 5 seats reserved for freshman, 5 cr
- 12146 010 LEC, 12:20pm-01:10pm MTWTh, HHHCtr 184, 12:20pm-01:10pm F, . NORMREQD, instruction mode: Partially Online, 5 cr
- 13276 011 LEC, 12:20pm-01:10pm MTWTh, FolH 12, 12:20pm-01:10pm F, . NORMREQD, instruction mode: Partially Online, 5 cr
- 13277 012 LEC, 01:25pm-02:15pm MTWTh, FolH 8, 01:25pm-02:15pm F, . NORMREQD, instruction mode: Partially Online; 10 seats reserved for freshman, 5 cr
- 24878 013 LEC, 01:25pm-02:15pm MTWTh, FolH 28, 01:25pm-02:15pm F, . NORMREQD, instruction mode: Partially Online, 5 cr
- 13879 014 LEC, 01:25pm-02:15pm MTWTh, FolH 6, 01:25pm-02:15pm F, . NORMREQD, instruction mode: Partially Online; 5 seats reserved for freshman, 5 cr
- 19754 015 LEC, 02:30pm-03:20pm MTWTh, FolH 103, 02:30pm-03:20pm F, . NORMREQD, instruction mode: Partially Online; 10 seats reserved for freshman, 5 cr
- 13880 016 LEC, 02:30pm-03:20pm MTWTh, KoltH 140, 02:30pm-03:20pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 27282 017 LEC, 03:35pm-04:25pm MTWTh, KoltH 140, 03:35pm-04:25pm F, . NORMREQD, instruction mode: Partially Online, 5 cr
- 13881 018 LEC, 06:00pm-07:55pm TTh, FolH 106, instruction mode: Partially Online; 3 seats reserved for non-PSEO students, 5 cr

1022 Alternate Second-Semester Spanish

(Credit will not be granted if credit has been received for: SPAN 4002; prereq Placement above 1001)

- 12333 001 LEC, 08:00am-08:50am MTWTh, KoltH 134, 08:00am-08:50am F, . NORMREQD, instruction mode: Classroom; 10 seats reserved for FRFY - Freshman Full Yr Regist, 5 cr
- 12334 002 LEC, 08:00am-08:50am MTWTh, KoltH 133, 08:00am-08:50am F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12335 003 LEC, 09:05am-09:55am MTWTh, FolH 121, 09:05am-09:55am F, . NORMREQD, instruction mode: Classroom; 5 seats reserved for CATS (CLA Pres Emerg Scholars), 5 cr
- 12336 004 LEC, 09:05am-09:55am MTWTh, FolH 120, 09:05am-09:55am F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12337 005 LEC, 10:10am-11:00am MTWTh, FolH 121, 10:10am-11:00am F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12338 006 LEC, 10:10am-11:00am MTWTh, FolH 120, 10:10am-11:00am F, . NORMREQD, instruction mode: Classroom; 5 seats reserved for FRFY - Freshman Full Yr Regist, 5 cr
- 12339 007 LEC, 11:15am-12:05pm MTWTh, FolH 116, 11:15am-12:05pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12340 008 LEC, 11:15am-12:05pm MTWTh, FolH 8, 11:15am-12:05pm F, . NORMREQD, instruction mode: Classroom; 2 seats reserved for CATS (CLA Pres Emerg Scholars), 5 cr
- 12341 009 LEC, 12:20pm-01:10pm MTWTh, FolH 116, 12:20pm-01:10pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12342 010 LEC, 12:20pm-01:10pm MTWTh, FolH 8, 12:20pm-01:10pm F, . NORMREQD, instruction mode: Classroom; 5 seats reserved for FRFY - Freshman Full Yr Regist, 5 cr
- 12343 011 LEC, 01:25pm-02:15pm MTWTh, FolH 5, 01:25pm-02:15pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12344 012 LEC, 02:30pm-03:20pm MTWTh, KoltH 139, 02:30pm-03:20pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 12345 013 LEC, 03:35pm-04:25pm MTWTh, KoltH 139, 03:35pm-04:25pm F, . NORMREQD, instruction mode: Classroom; 5 seats reserved for FRFY - Freshman Full Yr Regist, 5 cr
- 12346 014 LEC, 05:45pm-06:35pm MTWTh, FolH 5, 05:45pm-06:35pm F, . NORMREQD, instruction mode: Classroom, 5 cr
- 23297 015 LEC, 05:45pm-06:35pm MTWTh, FolH 4, 05:45pm-06:35pm F, KoltH 132, instruction mode:

Classroom; 3 seats reserved for non-PSEO, non-admitted student, 5 cr

1044 Intermediate Medical Spanish

(Credit will not be granted if credit has been received for: SPAN 1004, SPAN 1014, SPAN 4014; prereq 1003 or equiv)

25814 001 LEC, 10:10am-12:05pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom, 5 cr

1520 Review of Foundations in Spanish

(A-F only; prereq Previous high school or college-level Spanish coursework or equiv; Students must score above the threshold at the Entrance Placement Test)

22742 002 LEC, 09:45am-11:00am Th, USq 318, ROCHESTER, instruction mode: Classroom; Puntí, Gemma, 1 cr

1521 Spanish I

(A-F only)

20750 001 LEC, 09:45am-11:00am TTh, USq 337, ROCHESTER, instruction mode: Classroom; Henderson Vazquez, Teresa A, 3 cr

20751 002 LEC, 12:45pm-02:00pm TTh, . ROCH-TBA, ROCHESTER, instruction mode: Classroom; Henderson Vazquez, Teresa A, 3 cr

25096 003 LEC, 04:00pm-05:15pm TTh, USq 314, ROCHESTER, instruction mode: Classroom; Henderson Vazquez, Teresa A, 3 cr

1522 Spanish II

(A-F only; prereq Grade of at least C- in 1521 or 1520 or placement test)

24096 001 LEC, 08:15am-09:30am TTh, USq 382, ROCHESTER, instruction mode: Classroom; Puntí, Gemma, 3 cr

26475 002 LEC, 11:15am-12:30pm TTh, USq 337, ROCHESTER, instruction mode: Classroom; Puntí, Gemma, 3 cr

1524 Conversational Spanish

(A-F; prereq Concurrent registration is required (or allowed) in 1522)

26048 001 DIS, 01:25pm-02:15pm W, 318Com 10, ROCHESTER, instruction mode: Classroom; This is a 1-credit conversation class that puts into practice vocabulary and grammatical concepts presented in the SPAN 1522 course. (Student have the option of enrolling in this while taking SPAN 1522.); Puntí, Gemma, 1 cr

1904 Topics: Freshman Seminar

(A-F only; prereq Freshman; meets CLE req of Global Perspectives)

25874 001 LEC, 11:15am-12:30pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Ferran, Ofelia, 3 cr

2521 Spanish III

(A-F only; prereq Grade of at least C- in 1522 or equiv or placement test)

21731 001 LEC, 09:45am-11:00am TTh, USq 382, ROCHESTER, instruction mode: Classroom; Furness, Ryan C, 3 cr

21732 002 LEC, 11:15am-12:30pm TTh, USq 382, ROCHESTER, instruction mode: Classroom; Furness, Ryan C, 3 cr

22666 003 LEC, 12:45pm-02:00pm TTh, USq 382, ROCHESTER, instruction mode: Classroom; Furness, Ryan C, 3 cr

3011 Spanish Communication Skills

(prereq [1004 or 1014 or 1044], LPE pass; credit will not be granted if credit received for: Tldo 3021 or Span 3021)

12305 001 LEC, 08:00am-09:55am MW, WullH 240, instruction mode: Classroom, 4 cr

12306 002 LEC, 02:30pm-04:25pm MW, FolH 121, instruction mode: Classroom, 4 cr

15196 003 LEC, 12:20pm-02:15pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom, 4 cr

3015 Spanish Composition and Communication

(prereq 1004 or 1014 or 1044, LPE pass)

12299 001 LEC, 08:00am-09:55am MW, NichH 315, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class., 4 cr

12300 002 LEC, 08:00am-09:55am MW, FolH 8, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class.; 10 seats reserved for Spanish major or minor, Span-P, 4 cr

12301 003 LEC, 10:10am-12:05pm MW, PeikH 225, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class.; 10 seats reserved for Spanish major or minor, Span-P, 4 cr

12302 004 LEC, 12:20pm-02:15pm MW, Peikh 215, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class.; 10 seats reserved for Spanish major or minor, Span-P, 4 cr

12303 005 LEC, 02:30pm-04:25pm MW, FolH 120, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class.; 10 seats reserved for Spanish major or minor, Span-P, 4 cr

12304 006 LEC, 04:40pm-06:35pm MW, FolH 120, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class., 4 cr

13485 007 LEC, 08:00am-09:55am TTh, Peikh 315, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class., 4 cr

13493 008 LEC, 10:10am-12:05pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class.; 10 seats reserved for Spanish major or minor, Span-P, 4 cr

15976 009 LEC, 12:20pm-02:15pm TTh, Peikh 155, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class.; 10 seats reserved for Spanish major or minor, Span-P, 4 cr

16886 010 LEC, 02:30pm-04:25pm TTh, FolH 5, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class.; 10 seats reserved for Spanish major or minor, Span-P, 4 cr

20003 011 LEC, 02:30pm-04:25pm TTh, FolH 4, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class.; 10 seats reserved for Spanish major or minor, Span-P, 4 cr

23852 012 LEC, 06:00pm-07:55pm TTh, FolH 105, instruction mode: Classroom; You must show that you have passed the LPE by the first day of class., 4 cr

3015H Spanish Composition and Communication

(A-F only; prereq [1004 or 1014 or 1044], LPE pass, Honors student; meets HON req of Honors)

23809 001 LEC, 10:10am-12:05pm TTh, NichH 125, instruction mode: Classroom, 4 cr

3104W Introduction to the Study of Hispanic Literatures

(Credit will not be granted if credit has been received for: TLDO 3104W; A-F; prereq 3015, Spanish [major or minor] or Span-Port major; meets CLE req of Literature; meets CLE req of Writing Intensive)

11787 001 LEC, 09:45am-11:00am MW, NichH 345, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/15.; 14 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors, 3 cr

11788 002 LEC, 01:00pm-02:15pm MW, NichH 120, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/15.; 14 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors, 3 cr

11789 003 LEC, 08:15am-09:30am TTh, FolH 12, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/15.; 14 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors, 3 cr

19298 004 LEC, 09:45am-11:00am TTh, NichH 120, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/15.; 14 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors, 3 cr

20253 005 LEC, 02:30pm-03:45pm TTh, FolH 30, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/15.; 14 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors, 3 cr

3105W Introduction to the Study of Hispanic Cultures

(Credit will not be granted if credit has been received for: TLDO 3105W; prereq 3015, Spanish [major or minor] or Span-Port; meets CLE req of Writing Intensive)

11943 001 LEC, 08:15am-09:30am MW, FolH 12, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 5/2/2014.; 14 seats reserved for Span and Span-Port mjrs; 6 seats reserved for Spanish minors, 3 cr

11944 002 LEC, 11:15am-12:30pm MW, FolH 121, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 5/2/2014.; 14 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors, 3 cr

11945 003 LEC, 02:30pm-03:45pm MW, FolH 10, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 5/2/2014.; 14 seats reserved for Span and Span-Port mjrs; 6 seats reserved for Spanish minors, 3 cr

15960 004 LEC, 06:00pm-07:15pm MW, FolH 106, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 5/2/2014.; 14 seats reserved for Span and Span-Port mjrs; 6 seats reserved for Spanish minors, 3 cr

18516 005 LEC, 09:45am-11:00am TTh, FolH 12, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 5/2/2014.; 14 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors, 3 cr

26973 006 LEC, 01:00pm-02:15pm TTh, NichH 110, instruction mode: Classroom; 14 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors, 3 cr

26974 007 LEC, 02:30pm-03:45pm TTh, FolH 3, instruction mode: Classroom; 14 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors, 3 cr

3107W Introduction to the Study of Hispanic Linguistics

(Credit will not be granted if credit has been received for: TLDO 3107W; prereq 3015, Spanish [major or minor] or Span-Port major; meets CLE req of Writing Intensive)

11791 001 LEC, 09:45am-11:00am MW, FolH 12, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 5/2/2014.; 15 seats reserved for Span and Span-Port mjrs; 4 seats reserved for Spanish minors, 3 cr

11792 002 LEC, 02:30pm-03:45pm MW, FolH 13, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 5/2/2014.; 15 seats reserved for Span and Span-Port mjrs; 4 seats reserved for Spanish minors, 3 cr

11793 003 LEC, 08:15am-09:30am TTh, FolH 116, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 5/2/2014.; 15 seats reserved for Span and Span-Port mjrs; 4 seats reserved for Spanish minors, 3 cr

11794 004 LEC, 01:00pm-02:15pm TTh, NichH 315, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 5/2/2014.; 15 seats reserved for Span and Span-Port mjrs; 4 seats reserved for Spanish minors, 3 cr

3211 Interpreting Imperial Spain, 1492-1800

(Credit will not be granted if credit has been received for: TLDO 3211; prereq 3015, [3104W or TLDO 3104 or VENZ 3104 or instr consent])

11879 001 LEC, 11:15am-12:30pm TTh, FolH 5, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/2015. The Department requires students meet the prerequisites required of the course which is Span 3015 AND Span 3104W.; 10 seats reserved for Span and Span-Port mjrs; 10 seats reserved for Spanish minors; Spadaccini, Nicholas, 3 cr

3221 Interpreting Colonial Latin America: Empire and Early Modernity

(prereq 3015, [3104W or TLDO 3104 or VENZ 3104 or instr consent])

22627 001 LEC, 01:00pm-02:15pm TTh, NichH 120, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/2015. The Department requires students meet the prerequisites required of the course which is Span 3015 AND Span 3104W.; 15 seats reserved for Span and Span-Port mjrs; 10 seats reserved for Spanish minors; Marrero-Fente, Raul A, 3 cr

3401 Latino Immigration and Community Service

(A-F; prereq 3015/3015H; meets CLE req of Civic Life and Ethics)

11849 001 LEC, 12:20pm-02:50pm M, FordH 151, instruction mode: Classroom, 3 cr

11850 002 LEC, 01:25pm-03:55pm T, . NONSTD-TBA, instruction mode: Classroom, 3 cr

23807 003 LEC, 03:35pm-06:05pm W, FolH 105, instruction mode: Classroom, 3 cr

3404 Medical Spanish and Community Health Service

(prereq 3015 with grade of at least B- or [1044, high pass on at least three sections of LPE])

17294 001 LEC, 12:20pm-02:50pm W, . NONSTD-TBA, instruction mode: Partially Online; Please contact Instructor, Maria Emilce Lopez at lopez008@umn.edu for permission number.

3510 Issues in Hispanic Cultures

(max crs 9; 3 repeats allowed; A-F only; prereq 3015, [3105W or TLDO 3105 or VENZ 3512 or instr consent]; credit will not be granted if credit received for: Tldo

3301, 3302, 3311, 3312, 3313, 3314, 3514, 3321, 3516, 3513, 3515, 3517)

11908 001 LEC, 08:15am-09:30am MW, FolH 116, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/2015. The Department requires students meet the prerequisites required of the course which is Span 3015 AND Span 3105W.; 19 seats reserved for Span and Span-Port mjrs; 6 seats reserved for Spanish minors, 3 cr

3512 Modern Latin America

(A-F only; prereq 3015, [3105W or TLDO 3105 or VENZ 3512 or instr consent])

11909 001 LEC, 11:15am-12:30pm TTh, FolH 121, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/2015. The Department requires students meet the prerequisites required of the course which is Span 3015 AND Span 3105W.; 19 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors; Ramos-Garcia, Luis A, 3 cr

3701 Structure of Spanish: Phonology and Phonetics

(Credit will not be granted if credit has been received for: SPAN 3701H; prereq 3015, [3107W or TLDO 3107 or VENZ 3107 or instr consent])

19761 001 LEC, 11:15am-12:30pm MW, FolH 120, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/2015. The Department requires students meet the prerequisites required of the course which is Span 3015 AND Span 3107W.; 20 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors; Face, Timothy L, 3 cr

3703 Origins and History of Spanish and Portuguese

(prereq 3015, [3107W or TLDO 3107 or VENZ 3107 or instr consent])

16151 001 LEC, 09:45am-11:00am TTh, FolH 116, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/2015. The Department requires students meet the prerequisites required of the course which is Span 3015 AND Span 3107W.; 20 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors; Ocampo, Francisco Antonio, 3 cr

3704 Sociolinguistics of the Spanish-Speaking World

(Credit will not be granted if credit has been received for: SPAN 3704H; prereq 3015, [3107W or TLDO 3107 or VENZ 3107 or instr consent])

27411 001 LEC, 02:30pm-03:45pm MW, FolH 30, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/2015. The Department requires students meet the prerequisites required of the course which is Span 3015 AND Span 3107W.; 20 seats reserved for Span and Span-Port mjrs; 5 seats reserved for Spanish minors; Klee, Carol Anne, 3 cr

3800 Film Studies in Spanish

(max crs 9; 3 repeats allowed; A-F; prereq 3015, [3104W or 3105W or TLDO 3104 or TLDO 3105 or VENZ 3104 or VENZ 3512 or instr consent])

18330 001 LEC, 01:00pm-02:15pm MW, NichH 335, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/2015. The Department requires students meet the prerequisites required of the course which is Span 3015 AND Span 3104W OR 3105W.; 16 seats reserved for Span and Span-Port mjrs; 6 seats reserved for Spanish minors; Forcinito, Ana, 3 cr

3910 Topics in Spanish Peninsular Literature

(max crs 9; 3 repeats allowed; A-F only; prereq 3015, [3104W or TLDO 3104 or VENZ 3104 or instr consent])

27412 001 LEC, 02:30pm-03:45pm TTh, FolH 120, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/2015. The Department requires students meet the prerequisites required of the course which is Span 3015 AND Span 3104W.; 15 seats reserved for Span and Span-Port mjrs; 10 seats reserved for Spanish minors; Ferran, Ofelia, 3 cr

3920 Topics in Spanish-American Literature

(Credit will not be granted if credit has been received for: SPAN 3920H; max crs 9; 3 repeats allowed; A-F; prereq 3015, [3104W or TLDO 3104 or VENZ 3104 or instr consent])

17045 001 LEC, 09:45am-11:00am MW, FolH 116, instruction mode: Classroom; Remaining major only seats will become available to Span minors on 4/4/2015. The Department requires students meet the prerequisites required of the

course which is Span 3015 AND Span 3104W.; 15 seats reserved for Span and Span-Port mjrs; 10 seats reserved for Spanish minors, 3 cr

3972W Graduation Seminar

(Credit will not be granted if credit has been received for: SPAN 3972V; A-F only; prereq 31 cr of 3xxx, instr consent; meets CLE req of Writing Intensive)

17046 001 LEC, 01:00pm-02:15pm Th, FolH 118, 01:00pm-02:15pm T, . . . NORMREQD, instruction mode: Classroom; This class meets on Thursdays. For Application Information please contact Spanish & Portuguese Advising at SPAdvise@umn.edu or 612-624-9348.; Ramos-Garcia, Luis A, 3 cr

5170 The Literature of the Spanish Empire and Its Decline

(prereq Grad student or instr consent)

33964 001 LEC, 02:30pm-05:30pm T, FolH 119, instruction mode: Classroom; Spadaccini, Nicholas, 3 cr

5560 Global Colonial Studies in the Hispanic World

(prereq Grad student or instr consent)

33965 001 LEC, 02:30pm-05:30pm Th, FolH 28, instruction mode: Classroom; Marrero-Fente, Raul A, 3 cr

5716 Structure of Modern Spanish: Pragmatics

(prereq Grad student or instr consent)

27414 001 LEC, 11:15am-12:30pm TTh, FolH 118, instruction mode: Classroom; Ocampo, Francisco Antonio, 3 cr

5718 Spanish Language Contact

(prereq Grad student or instr consent)

27415 001 DIS, 11:15am-12:30pm MW, FolH 118, instruction mode: Classroom; Klee, Carol Anne, 3 cr

5970 Directed Readings

(max crs 9; 9 repeats allowed)

13687 001 IND, instruction mode: Classroom, 1-4 cr
15805 002 IND, instruction mode: Classroom, 1-4 cr

5990 Directed Research

(max crs 9; 9 repeats allowed)

15419 001 IND, instruction mode: Classroom, 1-4 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14020 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14154 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14269 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14350 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13784 001 IND, instruction mode: Classroom, 1-24 cr

8900 Spanish Seminar

(max crs 9; 3 repeats allowed; prereq Span 5xxx series required for MA or instr consent)

33963 001 LEC, 09:45am-12:45pm F, FolH 118, instruction mode: Classroom; Forcinito, Ana, 3 cr

SPANISH AND PORTUGUESE (SpPt)

214 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5858, <http://spanport.cla.umn.edu>

5995 Directed Teaching

(S-N; prereq Grad student with concurrent enrollment in 5999)

26725 001 LEC, 01:25pm-02:15pm W, FolH 112, instruction mode: Classroom; Matos-Schultz, F., 1 cr

5999 The Teaching of College-Level

Spanish: Theory and Practice

(prereq Grad or instr consent)

11746 001 LEC, 02:30pm-04:25pm M, FolH 112, instruction mode: Classroom; Meets with: 12070 FRIT 5999, 11986 GSD 5103; Menke, Mandy R, 3 cr

SPEECH-LANGUAGE-HEARING SCIENCES (SLHS)

115 Shevlin Hall, 164 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/624-3322, <http://www.slhs.umn.edu>

1301V Physics & Bio Honors

(A-F only; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive; meets HON req of Honors)

001 LEC, 08:00am-08:50am MWF, ShevH 20, instruction mode: Classroom; Meets with: 10573 SLHS 1301W; Munson, Benjamin

25472 002 LAB, 09:45am-10:35am M, ApH 321, instruction mode: Classroom; Meets with: 10574 SLHS 1301W; Munson, Benjamin, 4 cr

1301W The Physics and Biology of Spoken Language

(meets CLE req of Physical Sciences; meets CLE req of Writing Intensive)

001 LEC, 08:00am-08:50am MWF, ShevH 20, instruction mode: Classroom; Meets with: 25471 SLHS 1301V; Munson, Benjamin

10574 002 LAB, 09:45am-10:35am M, ApH 321, instruction mode: Classroom; Meets with: 25472 SLHS 1301V; Munson, Benjamin, 4 cr

10575 003 LAB, 08:15am-09:30am T, ApH 321, instruction mode: Classroom; Munson, Benjamin, 4 cr

10576 004 LAB, 11:15am-12:30pm W, ApH 321, instruction mode: Classroom; 7 seats reserved for CATS (CLA Pres Emerg Scholars); Munson, Benjamin, 4 cr

10577 005 LAB, 09:45am-11:00am F, ApH 321, instruction mode: Classroom; Munson, Benjamin, 4 cr

1302 Rate Your World: Quantifying

Judgments of Human Behavior

(meets CLE req of Mathematical Thinking)

001 LEC, 11:15am-12:05pm TTh, ShevH 20, instruction mode: Classroom; Zhang, Yang

18400 002 DIS, 02:30pm-03:20pm T, ShevH 110, instruction mode: Classroom; 1 seat reserved for CATS (CLA Pres Emerg Scholars), 3 cr

18399 003 DIS, 02:30pm-03:20pm Th, ApH 219, instruction mode: Classroom; This section of SLHS 1302 will be completed via an online delivery with the exception of the first day of lab section and any other day notified by the instructor.; 1 seat reserved for CATS (CLA Pres Emerg Scholars), 3 cr

1401 Communication Differences and Disorders

(Credit will not be granted if credit has been received for: SLHS 3401; meets CLE req of Social Sciences)

10579 001 LEC, 09:45am-11:00am TTh, ShevH 20, instruction mode: Classroom; Meets with: 18403 SLHS 3401, 3 cr

1402 The Talking Brain

(meets CLE req of Social Sciences)

22336 001 LEC, 09:05am-10:20am MW, ShevH 110, instruction mode: Classroom; Instructor TBA, 3 cr

3302 Anatomy and Physiology of the Speech and Hearing Mechanisms

10580 001 LEC, 02:30pm-03:45pm TTh, FraserH 101, instruction mode: Classroom; Watson, Peter J, 3 cr

3305W Speech Science

(meets CLE req of Writing Intensive)

19903 001 LEC, 11:15am-12:30pm TTh, VinH 16, instruction mode: Classroom; Watson, Peter J, 3 cr

3401 Communication Differences and Disorders

(Credit will not be granted if credit has been received for: SLHS 1401; meets CLE req of Social Sciences)

18403 001 LEC, 09:45am-11:00am TTh, ShevH 20, instruction mode: Classroom; Meets with: 10579 SLHS 1401, 3 cr

3555H Honors Thesis

(max crs 2; A-F only; prereq See dir of undergrad studies for [thesis adviser, forms]; meets HON req of Honors)

17008 001 IND, instruction mode: Classroom; Angerman, Sarah Kay, 1-2 cr

17675 002 IND, instruction mode: Classroom; Carney, Arlene Earley, 1-2 cr

17676 003 IND, instruction mode: Classroom; Deruiter, Mark, 1-2 cr

17677 004 IND, instruction mode: Classroom; Finestack, Lizbeth Haller, 1-2 cr

17678 005 IND, instruction mode: Classroom; New Faculty Member, 1-2 cr

17679 006 IND, instruction mode: Classroom; Stronach, Sheri Tracy, 1-2 cr

17680 007 IND, instruction mode: Classroom; Munson, Benjamin, 1-2 cr

17681 008 IND, instruction mode: Classroom; Nelson, Peggy B, 1-2 cr

17682 009 IND, instruction mode: Classroom, 1-2 cr

17683 010 IND, instruction mode: Classroom; Reichle, Joe E, 1-2 cr

17684 011 IND, instruction mode: Classroom; Sasisekaran, Jayanthi, 1-2 cr

17148 012 IND, instruction mode: Classroom; Schlauch, Robert S, 1-2 cr

19230 013 IND, instruction mode: Classroom; Watson, Peter J, 1-2 cr

19231 014 IND, instruction mode: Classroom, 1-2 cr

20728 015 IND, instruction mode: Classroom; Zhang, Yang, 1-2 cr

3994 Directed Research

(max crs 24; prereq Undergrad doing research)

17734 001 IND, instruction mode: Classroom; Angerman, Sarah Kay, 1-12 cr

17735 002 IND, instruction mode: Classroom; Carney, Arlene Earley, 1-12 cr

17736 003 IND, instruction mode: Classroom; Deruiter, Mark, 1-12 cr

17737 004 IND, instruction mode: Classroom; Finestack, Lizbeth Haller, 1-12 cr

19233 006 IND, instruction mode: Classroom; Stronach, Sheri Tracy, 1-12 cr

19234 007 IND, instruction mode: Classroom; Munson, Benjamin, 1-12 cr

19235 008 IND, instruction mode: Classroom; Nelson, Peggy B, 1-12 cr

19236 009 IND, instruction mode: Classroom, 1-12 cr

19237 010 IND, instruction mode: Classroom; Reichle, Joe E, 1-12 cr

19238 011 IND, instruction mode: Classroom; Sasisekaran, Jayanthi, 1-12 cr

19239 012 IND, instruction mode: Classroom; Schlauch, Robert S, 1-12 cr

19240 013 IND, instruction mode: Classroom; Watson, Peter J, 1-12 cr

19241 014 IND, instruction mode: Classroom, 1-12 cr

20729 015 IND, instruction mode: Classroom; Zhang, Yang, 1-12 cr

4301 Introduction to the Neuroscience of Human Communication

16172 001 LEC, 01:00pm-02:15pm TTh, ShevH 20, instruction mode: Classroom; Incoming Assistant Professor-TBA, 3 cr

4402 Assessment and Treatment in

Speech-Language Pathology

(A-F only; prereq [3302, 3303, 3304, 4301 (either before registration for 4402 or Concurrent registration is required (or allowed) in 4402], or grad student, or instr consent; credit will not be granted if credit already received for: SLHS 5402)

15838 001 LEC, 09:05am-10:20am MW, ShevH 20, instruction mode: Classroom; Stronach, Sheri Tracy, 3 cr

4801 Hearing Measurement and Disorders

(prereq [3302, 3305W] or instr consent)

20298 001 LAB, 11:15am-12:30pm MW, ShevH 20, instruction mode: Classroom; Carney, Arlene Earley, 3 cr

5401 Counseling and Professional Issues

(prereq [[concurrent enrollment 8720 or concurrent enrollment 8820], grad student] recommended)

10581 001 LEC, 02:30pm-05:00pm M, ShevH 20, instruction mode: Classroom; Deruiter, Mark, 3 cr

5503 Fluency and Motor Speech Disorders

(prereq graduate SLHS student or department permission, [3305, 4301] or instr consent)

24176 1001 LEC, 05:15pm-07:45pm Th, ShevH 110, instruction mode: Classroom, 3 cr

5504 Dysphagia

(prereq current SLHS graduate major)

24178 !001 LEC, 06:30pm-09:00pm W, ShevH 20, instruction mode: Classroom, 2 cr

5602 Phonological Disorders

(prereq [3303, 3304, 4601] or instr consent)

24177 !001 LEC, 05:15pm-07:45pm M, ShevH 110, instruction mode: Classroom; Munson, Benjamin, 3 cr

5603 Language and Cognitive Disorders in Children

(prereq 3303 or CDIs 3303 or equiv or grad student or instr consent)

19756 001 LEC, 01:00pm-03:45pm M, ShevH 110, instruction mode: Classroom; Instructor TBD; Finestack, Lizbeth Haller, 3 cr

5801 Audiologic Assessment I

(prereq 4801 or CDIs 4801 or instr consent)

10582 001 LEC, 09:00am-11:30am T, ShevH 125, instruction mode: Classroom; Schlauch, Robert S, 3 cr

5802 Hearing Aids I

(prereq [[3305, 4801] or [CDIS 3305, CDIS 4801], SLHS grad] or instr consent)

10584 001 LEC, 03:00pm-05:30pm W, ShevH 125, instruction mode: Classroom, 3 cr

5803 Hearing Loss in Children: Diagnosis

(prereq [[4801 or CDIS 4801], SLHS grad] or instr consent)

10583 001 LEC, 12:30pm-03:30pm Th, ShevH 110, instruction mode: Classroom; Alternates with SLHS 5806 Auditory Processing Disorders; Carney, Arlene Earley, 3 cr

5808 Hearing Disorders

(A-F only; prereq [[8801, 8802] or [CDIS 8801, CDIS 8802], SLHS grad] or instr consent)

24234 001 LEC, 09:00am-11:30am Th, ShevH 110, instruction mode: Classroom; alternates with noise & hearing SLHS 5807; Nelson, Peggy B, 3 cr

5810 Laboratory Module in Audiology

(max crs 5; 5 repeats allowed; prereq [4801 or CDIS 4801, SLHS grad] or instr consent)

10585 001 LAB, 08:00am-12:00pm F, ShevH 120, instruction mode: Classroom; Witherell, Kerry Lauren, 1-2 cr

5820 Clinical Research and Practice: Grand Rounds

(max crs 6; 6 repeats allowed; S-N only; prereq [[4801 or CDIS 4801 or equiv], SLHS grad] or instr consent)

16192 001 DIS, 01:25pm-03:20pm F, ShevH 110, instruction mode: Classroom; This class meets on the 1st and 3rd Friday of each month., 1-6 cr

5830 Clinical Foundations in Audiology

(max crs 24; 24 repeats allowed; S-N only; prereq Grad SLHS major)

20715 001 FWK, instruction mode: Classroom, 1-8 cr

5993 Directed Study

(max crs 18; 18 repeats allowed; prereq SLHS grad or instr consent)

11949 001 IND, instruction mode: Classroom; Angerman, Sarah Kay, 1-12 cr

15012 002 IND, instruction mode: Classroom; Zhang, Yang, 1-12 cr

15007 003 IND, instruction mode: Classroom; Carney, Arlene Earley, 1-12 cr

15008 004 IND, instruction mode: Classroom; Spanish Vocational Group; Deruiter, Mark, 1-12 cr

15132 005 IND, instruction mode: Classroom; Finestack, Lizbeth Haller, 1-12 cr

15009 006 IND, instruction mode: Classroom; New Assistant Professor - TBA; , 1-12 cr

15010 007 IND, 04:00pm-05:00pm TTh, ShevH 20, instruction mode: Classroom; If you are enrolling in SVG (Spanish Vocational Group) or both, please sign up under this Independent Study section. If you have any questions, Sheri Stronach is the Faculty member contact.

13671 008 IND, instruction mode: Classroom; Munson, Benjamin, 1-12 cr

15006 009 IND, instruction mode: Classroom; Nelson, Peggy B, 1-12 cr

15004 010 IND, instruction mode: Classroom; Watson, Peter J, 1-12 cr

15011 011 IND, instruction mode: Classroom; Reichle, Joe E, 1-12 cr

15005 012 IND, instruction mode: Classroom; Sasisekaran, Jayanthi, 1-12 cr

17442 013 IND, instruction mode: Classroom; Schlauch, Robert S, 1-12 cr

18698 014 IND, instruction mode: Classroom, 1-12 cr

19242 015 IND, instruction mode: Classroom, 1-12 cr

20730 016 IND, instruction mode: Classroom, 1-12 cr

8333 FTE: Masters

(NGA; prereq Master's student, adviser and DGS consent)

13951 001 IND, instruction mode: Classroom, 1 cr

8410 Seminar: Research

25821 001 LEC, 11:45am-02:15pm W, ShevH 125, instruction mode: Classroom; Finestack, Lizbeth Haller, 3 cr

8430 Proseminar in Speech-Language-Hearing Sciences

(max crs 10; 10 repeats allowed; S-N; prereq SLHS grad student)

18586 001 DIS, 11:45am-12:45pm M, ShevH 110, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14087 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14205 001 IND, instruction mode: Classroom, 1-6 cr

8720 Clinical Education in Speech-Language Pathology

(max crs 24; 24 repeats allowed; S-N only)

10586 001 FWK, instruction mode: Classroom; ShevH 20;

Deruiter, Mark, 1-8 cr

10587 002 FWK, instruction mode: Classroom; ShevH 20;

Deruiter, Mark, 1-8 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14293 001 IND, instruction mode: Classroom, 1-18 cr

8805 Hearing Science Foundations of Audiology

(prereq Knowledge of acoustics, basic anatomy/physiology of ear, intro coursework in hearing/speech science)

24236 001 LEC, 02:30pm-05:30pm W, ShevH 110, instruction mode: Classroom; alternates with SLHS 8803 Signals and Systems; , 3 cr

8806 Audiology Capstone

(max crs 6; 6 repeats allowed; S-N only; prereq 8802, 8807)

18404 001 LEC, instruction mode: Classroom, 1-6 cr

8820 Clinical Education in Audiology

(max crs 24; 24 repeats allowed; S-N only; prereq Grad CDIS major)

10588 001 FWK, instruction mode: Classroom; ShevH 20;

Deruiter, Mark, 1-8 cr

10589 002 FWK, instruction mode: Classroom; ShevH 20;

Deruiter, Mark, 1-8 cr

8840 Audiology Externship

(max crs 7; 3 repeats allowed; S-N only; prereq [8802, 8807] or [CDIs 8802, CDIs 8807])

17689 001 FWK, instruction mode: Classroom; Deruiter,

Mark, 1-7 cr

17934 002 FWK, instruction mode: Classroom; Deruiter,

Mark, 1-7 cr

17959 003 FWK, instruction mode: Classroom; Deruiter,

Mark, 1-7 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required.)

13725 001 IND, instruction mode: Classroom, 1-24 cr

8994 Directed Research

(max crs 18; 18 repeats allowed; prereq instr consent)

11952 001 IND, instruction mode: Classroom; Angerman,

Sarah Kay, 1-12 cr

15021 002 IND, instruction mode: Classroom; Carney, Arlene

Earley, 1-12 cr

15016 003 IND, instruction mode: Classroom; Deruiter, Mark,

1-12 cr

15017 004 IND, instruction mode: Classroom; Finestack,

Lizbeth Haller, 1-12 cr

15133 005 IND, instruction mode: Classroom, 1-12 cr

15018 006 IND, instruction mode: Classroom; new faculty

member Sheri Stronach; Stronach, Sheri Tracy, 1-12 cr

15019 007 IND, instruction mode: Classroom; Munson,

Benjamin, 1-12 cr

11953 008 IND, instruction mode: Classroom; Nelson, Peggy

B, 1-12 cr

15015 009 IND, instruction mode: Classroom, 1-12 cr

15013 010 IND, instruction mode: Classroom; Reichle, Joe E,

1-12 cr

15020 011 IND, instruction mode: Classroom; Sasisekaran,

Jayanthi, 1-12 cr

15014 012 IND, instruction mode: Classroom; Schlauch,

Robert S, 1-12 cr

17688 013 IND, instruction mode: Classroom; Watson, Peter

J, 1-12 cr

19243 014 IND, instruction mode: Classroom, 1-12 cr

20731 015 IND, instruction mode: Classroom; Zhang, Yang,

1-12 cr

SPORT MANAGEMENT (SMgt)220 Cooke Hall, 1900 University Ave SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5300, <http://cehd.umn.edu/kin>**1701 Introduction to Sport Management**

(A-F only)

19115 001 LEC, 09:45am-11:00am TTh, WilleyH 175, 09/

08/15-11/10/15, instruction mode: Classroom; 50 seats

reserved for fr or soph; Richardson PhD, Tiffany, 2 cr

3111 Sports Facility and Event**Management**

(A-F only; prereq SMGT major or instr consent)

19116 001 LEC, 11:15am-12:30pm MW, TCFStad G150,

instruction mode: Classroom; 15 seats reserved for SMgt

minor; 1 seat reserved for Integrated Degree Program B S;

Hillestad, Derek, 3 cr

3143 Organization and Management of Sport

(A-F only; prereq SMGT major)

19117 001 LEC, 08:15am-09:30am TTh, AkerH 225,

instruction mode: Classroom; 10 seats reserved for SMgt

minor; 1 seat reserved for Integrated Degree Program B S;

Kim, Young Ho, 3 cr

3421 Business of Sport

(A-F only; prereq SMGT or kin or rec major or instr consent)

19118 001 LEC, 11:15am-12:30pm TTh, CivE 212, instruction

mode: Classroom; 10 seats reserved for SMgt minor; 1

seat reserved for Integrated Degree Program B S; Allison

JD, Rayla Mathison, 3 cr

3501 Sport in a Diverse Society

(A-F; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences)

19119 001 LEC, 11:15am-12:30pm TTh, CookeH 215,

instruction mode: Classroom; 20 seats reserved for Kin

or SMgt major; 1 seat reserved for Integrated Degree

Program B S; Buyse PhD, Jo Ann, 3 cr

27408 002 LEC, 01:00pm-02:15pm TTh, MechE 221,

instruction mode: Classroom; , 3 cr

19710 003 LEC, 08:15am-09:30am TTh, CookeH 206,

instruction mode: Classroom; 20 seats reserved for Kin

or SMgt major; 2 seats reserved for Integrated Degree

Program B S; LaVoi PhD, Nicole Marie, 3 cr

20925 004 LEC, 11:15am-12:30pm MW, CookeH 214,

instruction mode: Classroom; 1 seat reserved for Integrated

Degree Program B S; Kane PhD, Mary Jo, 3 cr

23899 1005 LEC, 05:00pm-06:30pm MW, CookeH 214,

instruction mode: Classroom; 1 seat reserved for Integrated

Degree Program B S; Thul PhD, Chelsey, 3 cr

3601 Ethics and Values in Sport

(A-F only; prereq SMGT major)

19120 001 LEC, 10:10am-11:50am Th, RapsonH 56,

instruction mode: Classroom; 1 seat reserved for Integrated

Degree Program B S; Inoue PhD, Yuhei, 2 cr

3631 Sport Marketing

(A-F only; prereq SMGT major or instr consent)

19121 001 LEC, 11:15am-12:30pm MW, Armory 202,

instruction mode: Classroom; 10 seats reserved for SMgt

minor; 1 seat reserved for Integrated Degree Program B S;

Ross PhD, Stephen, 3 cr

34464 002 LEC, 08:15am-09:30am MW, TCFStad G150,

instruction mode: Classroom; Slagle, James Nicholas, 3 cr

3632 Sport Sales and Fund-raising

(A-F; prereq Sport Management major or instr consent)
20767 001 LEC, 06:00pm-08:30pm M, AkerH 225, instruction mode: Classroom; 10 seats reserved for SMgt minor; 1 seat reserved for Integrated Degree Program B S; Handel, Randy Michael; Munneke, Jeffrey Robert, 3 cr

3861 Sport and Recreation Law

(A-F; prereq SMGT or REC major or instr consent)
19122 001 LEC, 09:45am-11:00am TTh, AkerH 319, instruction mode: Classroom; 5 seats reserved for SMgt minor; 1 seat reserved for Integrated Degree Program B S; Wang, Sandy, 3 cr

3881W Senior Seminar in Sport**Management**

(A-F only; prereq SMGT major, completion of major coursework, instr consent; meets CLE req of Writing Intensive)
19123 001 LEC, 03:00pm-05:30pm T, CivE 213, instruction mode: Classroom; add'l hrs arranged; 1 seat reserved for Integrated Degree Program B S; Kihl PhD, Lisa A, 3 cr
22759 002 LEC, 03:00pm-05:30pm M, CivE 213, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Richardson PhD, Tiffany, 3 cr
24385 003 LEC, 06:00pm-08:30pm M, CivE 213, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Richardson PhD, Tiffany, 3 cr

3993 Directed Study in Sport Management
(max crs 3; 3 repeats allowed; A-F; prereq Undergrad, instr consent)

20506 001 IND, instruction mode: Independent/Directed Studies; Allison JD, Rayla Mathison, 1-3 cr
20507 005 IND, instruction mode: Independent/Directed Studies; Buysse PhD, Jo Ann, 1-3 cr
20508 009 IND, instruction mode: Independent/Directed Studies; Kihl PhD, Lisa A, 1-3 cr
24294 010 IND, instruction mode: Classroom; Maturi, Joel, 1-3 cr
20509 011 IND, instruction mode: Independent/Directed Studies; Richardson PhD, Tiffany, 1-3 cr
20510 012 IND, instruction mode: Independent/Directed Studies; Ross PhD, Stephen, 1-3 cr
26450 015 IND, instruction mode: Classroom; Inoue PhD, Yuhei, 1-3 cr

3996 Practicum: The Sport Experience

(max crs 8; 4 repeats allowed; S-N; prereq 3881, SMGT major, instr consent)
23907 002 FWK, instruction mode: Classroom; 1 seat reserved for Integrated Degree Program B S; Buysse PhD, Jo Ann, 2-8 cr

STATISTICS (Stat)

313 Ford Hall, 224 Church St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-8046, <http://www.stat.umn.edu>

1001 Introduction to the Ideas of Statistics

(prereq Mathematics requirement for admission to University; meets CLE req of Mathematical Thinking)
001 LEC, 10:10am-11:00am MWF, AkerH 225, instruction mode: Classroom
15191 003 LAB, 09:05am-09:55am T, VinH 206, instruction mode: Classroom; 8 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr
15192 004 LAB, 10:10am-11:00am T, VinH 206, instruction mode: Classroom; , 4 cr

1905 Freshman Seminar

(max crs 6; A-F only)
26210 001 LEC, 09:05am-09:55am MWF, FordH 170, instruction mode: Classroom; , 3 cr

3011 Introduction to Statistical Analysis

(Credit will not be granted if credit has been received for: STAT 5021, ANSC 3011, ESPM 3012; meets CLE req of Mathematical Thinking)
001 LEC, 09:05am-09:55am MWF, VinH 16, instruction mode: Classroom
10679 002 LAB, 08:00am-08:50am T, VinH 20, instruction mode: Classroom; 4 cr
10680 003 LAB, 09:05am-09:55am T, VinH 311, instruction mode: Classroom; 4 cr
19763 004 LAB, 10:10am-11:00am T, VinH 2, instruction mode: Classroom; 4 cr
005 LEC, 10:10am-11:00am MWF, MechE 18, instruction mode: Classroom; Kuzmak, Barbara Rose
19783 006 LAB, 09:05am-09:55am T, VinH 20, instruction mode: Classroom; , 4 cr

10681 007 LAB, 10:10am-11:00am T, FordH 110, instruction mode: Classroom; , 4 cr
10682 008 LAB, 11:15am-12:05pm T, VinH 1, instruction mode: Classroom; , 4 cr
009 LEC, 12:20pm-01:10pm MWF, MechE 18, instruction mode: Classroom
10684 010 LAB, 12:20pm-01:10pm Th, VinH 1, instruction mode: Classroom; , 4 cr
10685 011 LAB, 01:25pm-02:15pm Th, VinH 1, instruction mode: Classroom; , 4 cr
10686 012 LAB, 02:30pm-03:20pm Th, VinH 20, instruction mode: Classroom; 4 cr
013 LEC, 01:25pm-02:15pm MWF, STSS 412, instruction mode: Classroom
10688 014 LAB, 01:25pm-02:15pm T, FordH 150, instruction mode: Classroom; , 4 cr
10689 015 LAB, 02:30pm-03:20pm T, VinH 113, instruction mode: Classroom; , 4 cr
10690 016 LAB, 03:35pm-04:25pm T, STSS 432B, instruction mode: Classroom; , 4 cr
1017 LEC, 06:20pm-08:00pm M, MechE 18, 07:05pm-07:55pm W, STSS 412, instruction mode: Classroom
10692 018 LAB, 06:00pm-06:50pm W, FordH 150, instruction mode: Classroom; 4 cr
24673 019 LAB, 08:10pm-09:00pm W, FordH 130, instruction mode: Classroom; 4 cr

3021 Introduction to Probability and Statistics

(prereq Math 1272)
10696 001 LEC, 11:15am-12:05pm MWF, MechE 18, instruction mode: Classroom; 3 cr
10697 002 LEC, 02:30pm-03:20pm MWF, MechE 18, instruction mode: Classroom; , 3 cr
10698 003 LEC, 03:35pm-04:25pm MWF, MechE 18, instruction mode: Classroom; 3 cr
13268 004 LEC, 06:20pm-08:50pm Th, AkerH 209, instruction mode: Classroom; 1 seat reserved for non-PSEO, non-admitted student; , 3 cr

3022 Data Analysis

(prereq 3011 or 3021 or SOC 3811)
001 LEC, 11:15am-12:05pm MWF, STSS 220, instruction mode: Classroom; Shore, Marta Dykhuizen
10694 002 LAB, 12:20pm-01:10pm T, FordH 150, instruction mode: Classroom; Reserve seats will be released August 29.; 1 seat reserved for Stat major; 1 seat reserved for Soc major; , 4 cr
10695 003 LAB, 02:30pm-03:20pm T, AkerH 225, instruction mode: Classroom; Reserve seats will be released August 29.; 1 seat reserved for Stat major; 1 seat reserved for Soc major; , 4 cr
15214 004 LAB, 11:15am-12:05pm T, PeikH 28, instruction mode: Classroom; Reserve seats will be released August 29.; 1 seat reserved for Stat major; , 4 cr

4101 Theory of Statistics I

(Credit will not be granted if credit has been received for: STAT 5101; prereq Math 1272)
001 LEC, 02:30pm-03:20pm MWF, VinH 16, instruction mode: Classroom
11571 002 LAB, 01:25pm-02:15pm T, MechE 102, instruction mode: Classroom; Reserve seats will be released August 29.; 10 seats reserved for Stat major, 4 cr
22110 003 LAB, 02:30pm-03:20pm T, MechE 221, instruction mode: Classroom; Reserve seats will be released August 29.; 10 seats reserved for Stat major; Gao, Ming, 4 cr
22715 004 LAB, 03:35pm-04:25pm T, FordH 150, instruction mode: Classroom; Reserve seats will be released August 29.; 5 seats reserved for Stat major, 4 cr

4893W Consultation and Communication for Statisticians

(A-F; prereq Stat major (BA or BS), Sr, 5302; meets CLE req of Writing Intensive)
25425 001 LEC, 12:20pm-01:10pm MWF, VinH 206, instruction mode: Classroom; Kuzmak, Barbara Rose, 3 cr

5021 Statistical Analysis

(Credit will not be granted if credit has been received for: STAT 3011, ANSC 3011, ESPM 3012; prereq credit will not be granted if credit received for: 3011; College algebra or instr consent; Stat course recommended)
001 LEC, 10:10am-11:00am MWF, KHKH 3-115, instruction mode: Classroom
10700 002 LAB, 08:00am-08:50am T, VinH 2, instruction mode: Classroom; Reserve seats will be released August 29.; Zhou, Yu, 4 cr
10701 003 LAB, 09:05am-09:55am T, VinH 2, instruction mode: Classroom; Reserve seats will be released August 29.; Zhou, Yu, 4 cr

5101 Theory of Statistics I

(Credit will not be granted if credit has been received for: STAT 4101; prereq MATH 2263 or MATH 2374)
001 LEC, 09:05am-09:55am MWF, MechE 18, instruction mode: Classroom; Geyer, Charles J
11573 002 LAB, 09:05am-09:55am T, VinH 1, instruction mode: Classroom; For more sections see Math 5651; Reserve seats will be released Aug. 29.; 10 seats reserved for Stat major; Knudson, Christina P, 4 cr
15513 003 LAB, 08:00am-08:50am T, VinH 1, instruction mode: Classroom; Reserve seats will be released August 29.; 10 seats reserved for Stat major; Knudson, Christina P, 4 cr
15514 004 LAB, 10:10am-11:00am T, VinH 1, instruction mode: Classroom; Reserve seats will be released August 29.; 10 seats reserved for Stat major; Clark, Allen J, 4 cr
005 LEC, 02:30pm-03:20pm MWF, AkerH 209, instruction mode: Classroom; Reserve seats will be released Aug 29.; Jiang, Tiefeng; Li, Chunlei
15516 006 LAB, 03:35pm-04:25pm T, FordH 130, instruction mode: Classroom; Reserve seats will be released August 29.; 10 seats reserved for Stat major, 4 cr
22095 008 LAB, 01:25pm-02:15pm T, FordH 130, instruction mode: Classroom; 10 seats reserved for Stat major, 4 cr

5201 Sampling Methodology in Finite Populations

(prereq 3022 or 4102 or 5021 or 5102 or instr consent)
25426 001 LEC, 01:25pm-02:15pm MWF, FordH 130, instruction mode: Classroom; Almquist, Zack W, 3 cr

5302 Applied Regression Analysis

(prereq 3022 or 4102 or 5021 or 5102 or instr consent)
001 LEC, 01:25pm-02:15pm MWF, KHKH 3-230, instruction mode: Classroom; Weisberg, Sanford
11028 002 LAB, 11:15am-12:05pm Th, VinH 213, instruction mode: Classroom; Reserve seats will be released August 29.; 14 seats reserved for Stat major; , 4 cr
11029 003 LAB, 12:20pm-01:10pm Th, VinH 213, instruction mode: Classroom; Reserve seats will be released August 29.; 13 seats reserved for Stat major; , 4 cr
24349 004 LAB, 01:25pm-02:15pm Th, MechE 102, instruction mode: Classroom; , 4 cr
26473 005 LAB, 02:30pm-03:20pm Th, VinH 213, instruction mode: Classroom; , 4 cr
883 LEC, 01:25pm-02:15pm MWF, . ROOM-TBA, OFFCAMPUS, instruction mode: Primarily Online; Weisberg, Sanford
34620 884 LAB, 01:25pm-02:15pm Th, . ROOM-TBA, instruction mode: Primarily Online; Weisberg, Sanford, 4 cr

5303 Designing Experiments

(prereq 3022 or 4102 or 5021 or 5102 or instr consent)
001 LEC, 09:05am-09:55am MWF, FordH 130, instruction mode: Classroom
11026 002 LAB, 10:10am-11:00am T, FordH 130, instruction mode: Classroom; Reserve seats will be released August 31.; 3 seats reserved for Stat grad student; 25 seats reserved for Stat major; , 4 cr

5421 Analysis of Categorical Data

(prereq 5302 or instr consent)
19959 001 LEC, 02:30pm-03:20pm MWF, FordH 130, instruction mode: Classroom; Reserve seats will be released August 29; 10 seats reserved for Stat grad student; 10 seats reserved for Stat major, 3 cr

5601 Nonparametric Methods

(prereq 3022 or 4102 or 5021 or 5102 or instr consent)
17657 001 LEC, 11:15am-12:05pm MWF, FordH 150, instruction mode: Classroom; Reserve seats will be released August 29. Course will be Taught by Nate Helwig.; 20 seats reserved for Stat grad student; 15 seats reserved for Stat major; , 3 cr

5701 Statistical Computing

(A-F only; prereq 4102 or 5102 or 8102 or instr consent)
26003 001 LEC, 10:10am-11:00am MWF, VinH 206, instruction mode: Classroom; Undergraduates are strongly recommended to complete 5302 and will need to have instructor approval and a permission number before enrolling in this course.; 20 seats reserved for Stat grad student; 5 seats reserved for Stat major; Rothman, Adam Joseph, 3 cr

5993 Tutorial

(max crs 12; 12 repeats allowed; prereq instr consent)
13685 001 IND, instruction mode: Classroom; 1-6 cr

8051 Advanced Regression Techniques: linear, nonlinear and nonparametric methods

(A-F only; prereq Statistics grad or instr consent)
34624 001 LEC, 12:20pm-01:10pm MWF, VinH 1, instruction mode: Classroom; 3 cr

8053 Applied Statistical Methods 3: Multivariate Analysis and Advanced Regression

(A-F only; prereq PhD student in stat or DGS permission and 8052)

18661 001 LEC, 02:30pm-03:20pm MWF, VinH 213, instruction mode: Classroom; Geyer, Charles J, 3 cr

8101 Theory of Statistics 1

(prereq Statistics grad major or instr consent)

11310 001 LEC, 01:25pm-02:15pm MWF, VinH 1, 12:20pm-01:10pm T, VinH 1, instruction mode: Classroom; Zou, Hui, 3 cr

8111 Mathematical Statistics I

(prereq [5102 or 8102 or instr consent], [[Math 5615, Math 5616] or real analysis], matrix algebra)

11311 001 LEC, 01:25pm-02:15pm MWF, VinH 206, instruction mode: Classroom; Meeden, Glen Dale, 3 cr

8313 Topics in Experimental Design

(prereq 8311)

25427 001 LEC, 01:25pm-02:15pm MWF, VinH 213, instruction mode: Classroom; Nachtsheim, Christopher John; Cook, R. Dennis, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14022 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14156 001 IND, instruction mode: Classroom, 1 cr

8666 Doct Pre-Thesis Cr

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14271 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14352 001 IND, instruction mode: Classroom, 1-18 cr

8811 Statistical Consulting Practicum

(max crs 12; 4 repeats allowed; S-N only; prereq Statistics grad student or instr consent)

13455 001 FWK, instruction mode: Classroom, 3 cr

8821 Curricular Practical Training

(max crs 3; 3 repeats allowed; S-N; prereq Statistics grad student, dept consent)

18564 001 FWK, instruction mode: Independent/Directed Studies, 1 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13786 001 IND, instruction mode: Classroom, 1-24 cr

8913 Literature Seminar

(max crs 4; 4 repeats allowed; S-N; prereq Statistics grad major or instr consent)

18353 001 LEC, 03:35pm-04:25pm F, VinH 213, instruction mode: Classroom; Jiang, Tiefeng, 1 cr

8931 Advanced Topics in Statistics

(max crs 12; 4 repeats allowed)

22320 001 LEC, 12:20pm-01:10pm MWF, VinH 213, instruction mode: Classroom; Topic: Markov Chain Monte Carlo; Jones, Galin, 3 cr

8992 Directed Readings and Research

(max crs 12; 3 repeats allowed; prereq instr consent)

11598 001 IND, instruction mode: Classroom; Instructor permission required; Almquist, Zack W, 1-6 cr
26685 002 IND, instruction mode: Classroom; Instructor permission required; Chatterjee, Singdhansu Bhusan, 1-6 cr

26686 003 IND, instruction mode: Classroom; Instructor permission required; Cook, R. Dennis, 1-6 cr

26687 004 IND, instruction mode: Classroom; Instructor permission required; Doss, Charles R, 1-6 cr

26688 005 IND, instruction mode: Classroom; Instructor permission required; Geyer, Charles J, 1-6 cr

26689 006 IND, instruction mode: Classroom; Instructor permission required; Grund, Birgit, 1-6 cr

26690 007 IND, instruction mode: Classroom; Instructor permission required; Hawkins, Douglas M, 1-6 cr

26691 008 IND, instruction mode: Classroom; Instructor permission required; Helwig, Nathaniel Erik, 1-6 cr

26692 009 IND, instruction mode: Classroom; Instructor permission required; Jiang, Tiefeng, 1-6 cr

26693 010 IND, instruction mode: Classroom; Instructor permission required; Jones, Galin, 1-6 cr

26694 011 IND, instruction mode: Classroom; Instructor permission required; Meeden, Glen Dale, 1-6 cr

26695 012 IND, instruction mode: Classroom; Instructor permission required; Oehlert, Gary W, 1-6 cr

26696 013 IND, instruction mode: Classroom; Instructor permission required; Rendahl, Aaron, 1-6 cr

26697 014 IND, instruction mode: Classroom; Instructor permission required; Rothman, Adam Joseph, 1-6 cr

26698 015 IND, instruction mode: Classroom; Instructor permission required; Shen, Xiaotong Tom, 1-6 cr

26699 016 IND, instruction mode: Classroom; Instructor permission required; Wang, Lan, 1-6 cr

26700 017 IND, instruction mode: Classroom; Instructor permission required; Weisberg, Sanford, 1-6 cr

26701 018 IND, instruction mode: Classroom; Instructor permission required; Xu, Gongjun, 1-6 cr

26702 019 IND, instruction mode: Classroom; Instructor permission required; Yang, Yuhong, 1-6 cr

26703 020 IND, instruction mode: Classroom; Instructor permission required; Zou, Hui, 1-6 cr

STEM CELL BIOLOGY (Stem Cell)

Stem Cell Institute, McGuire Translational Research Facility, Mail Code 2873, 2001 SE 6th Street, East Bank Campus, Minneapolis, MN, 55455

612/625-0602, www.stemcell.umn.edu

5051 Stem Cell Biology Practical Training Module

(A-F; prereq Acceptance into stem cell biology master's program)

20126 001 LAB, 09/08/15-10/26/15, instruction mode: Classroom; This class will meet in the Stem Cell Institute Laboratories in the McGuire Translational Research Facility.; Keirstead, Susan Alice, 1 cr

5054 Stem Cell Institute Research Seminar and Journal Club

(max crs 6; 3 repeats allowed; A-F; prereq Acceptance into stem cell biology [master's prog or PhD minor prog] or instr consent)

20077 001 LEC, 04:00pm-05:00pm MWF, Room TBA, TCEASTBANK, instruction mode: Classroom; This class will meet in the Stem Cell Institute Laboratories in the McGuire Translational Research

8181 Stem Cell Biology

(Credit will not be granted if credit has been received for: GCD 4171; prereq [[GCD 4034], [GCD 4161]] or equiv or instr consent)

20113 001 LEC, 11:15am-12:05pm MWF, Room TBA, TCEASTBANK, instruction mode: Classroom; Class meets in 4-204 Lions Research Building/McGuire Translational Research Facility; Keirstead, Susan Alice, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser consent, DGS consent)

23729 001 IND, instruction mode: Classroom, 1 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA)

20310 001 IND, instruction mode: Classroom, 1-18 cr

STUDIES IN CINEMA AND MEDIA CULTURE (SCMC)

235 Nicholson Hall, 216 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455

612/624-8099, <http://cscl.umn.edu/>

1201 Introduction to Cinema and Media Culture

(Credit will not be granted if credit has been received for: CSCL 1201; meets CLE req of Arts/Humanities)

15040 001 LEC, 02:30pm-04:25pm TTh, NichH 275, instruction mode: Classroom, 4 cr

3201 Fundamentals of Digital Filmmaking

(A-F; prereq instr consent)

24056 001 LAB, 06:20pm-08:50pm M, NichH 345, instruction mode: Classroom; Please contact the department for permission to register: cscl@umn.edu, 4 cr

26625 002 LAB, 02:30pm-05:15pm T, NichH 115, instruction mode: Classroom; Please contact the department for permission to register: cscl@umn.edu, 4 cr

3993 Directed Study

(max crs 6)

23025 001 IND, instruction mode: Classroom; To enroll in a directed study, please contact CSCL undergraduate advisor Michelle Livingston (cscladv@umn.edu), 1-3 cr

4993 Directed Study

(max crs 6)

23026 001 IND, instruction mode: Independent/Directed Studies; To enroll in a directed study, please contact CSCL undergraduate advisor Michelle Livingston (cscladv@umn.edu), 1-3 cr

5001 Critical Debates in the Study of Cinema and Media Culture

24055 001 LEC, 02:30pm-05:30pm M, NichH 325, 01:00pm-02:15pm W, NichH 325, instruction mode: Classroom; Stout, Graeme, 4 cr

5993 Directed Study

(max crs 6)

23027 001 IND, instruction mode: Independent/Directed Studies; To enroll in a directed study, please contact CSCL undergraduate advisor Michelle Livingston (cscladv@umn.edu), 1-3 cr

STUDIES OF SCIENCE AND TECHNOLOGY (SST)

746 Heller Hall, 271-19th Ave S, West Bank Campus, Minneapolis, MN, 55455

612/625-6635, <http://www.sst.umn.edu/>

8000 Colloquium

(max crs 3; S-N only; prereq Grad SST minor)

13411 001 LEC, 03:35pm-05:30pm F, NichH 275, instruction mode: Classroom; Love, Alan C, 1.50 cr

SUPPLY CHAIN AND OPERATIONS (SCO)

3-140 Carlson School of Management, 321 19th Ave S, West Bank Campus, Minneapolis, MN, 55455

612/624-7010, <http://www.csom.umn.edu>

2550 Business Statistics: Data Sources, Presentation, and Analysis

(A-F only; prereq [Math 1031 or equiv], at least 30 cr; credit will not be granted if credit received for: OMS 2550)

22170 001 DIS, 09:55am-11:35am MW, CarlSMgmt L-110, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student, 4 cr

22171 002 DIS, 01:45pm-03:25pm MW, CarlSMgmt L-110, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student, 4 cr

22172 003 DIS, 08:00am-09:40am TTh, CarlSMgmt L-110, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student, 4 cr

22173 004 DIS, 09:55am-11:35am TTh, CarlSMgmt L-110, instruction mode: Classroom; CSOM Students only; 90 seats reserved for CSOM student, 4 cr

23415 005 DIS, 11:50am-01:30pm TTh, CarlSMgmt L-110, instruction mode: Classroom; non-CSOM Students only; 120 seats reserved for non-CSOM student, 4 cr

22174 002 DIS, 05:45pm-09:05pm Th, CarlSMgmt L-110, instruction mode: Classroom; non-CSOM Students only; 120 seats reserved for non-CSOM student, 4 cr

3001 Introduction to Operations Management

(A-F only; prereq .; credit will not be granted if credit already received for: OMS 3001)

22175 001 LEC, 09:45am-11:00am TTh, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 1 of CSO 3001, Fina 3001, Mktg 3001. To register, see BA 999 Immersion Core, Sec 1. This class will meet in Hanson Hall 1104, 3 cr

22176 002 LEC, 02:30pm-03:45pm TTh, . ROOM-TBA, instruction mode: Classroom; Meets with Sec 2 of MGMT

3004, Fina 3001, Mktg 3001. To register, see BA 999 Immersion Core, Sec 2. This class will meet in Hanson Hall 1104, 3 cr

22177 003 LEC, 02:30pm-03:45pm MW, ROOM-TBA, instruction mode: Classroom; Meets with Sec 3 of MGMT 3004, Fina 3001, Mktg 3001. To register, see BA 999 Immersion Core, Sec 3. This class will meet in Hanson Hall 1104, 3 cr

23416 004 LEC, 11:15am-12:30pm TTh, HMH 1-106, instruction mode: Classroom, 3 cr

3041 Project Management

(A-F only; prereq 3000 or instr consent; credit will not be granted if credit already received for: OMS 3041)

22178 001 LEC, 11:50am-01:30pm MW, CarlSMgmt L-110, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

3045 Sourcing and Supply Management

(A-F; prereq 3001; credit will not be granted if credit already received for: OMS 3045)

22179 001 LEC, 11:50am-01:30pm TTh, CarlSMgmt 1-143, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

3048 Transportation and Logistics Management

(A-F; prereq 3001; credit will not be granted if credit already received for: OMS 3048)

22180 001 LEC, 03:45pm-05:25pm TTh, CarlSMgmt 2-213, 10/27/15-12/16/15, instruction mode: Classroom, 2 cr

3051 Service Management

(A-F; prereq 3001; credit will not be granted if credit already received for: OMS 3051)

22181 001 LEC, 03:45pm-05:25pm TTh, CarlSMgmt 1-132, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

3056 Supply Chain Planning and Control

(A-F only; prereq 3001 or instr consent; credit will not be granted if credit already received for: OMS 3056)

22182 001 LEC, 09:55am-11:35am MW, CarlSMgmt 1-143, instruction mode: Classroom, 4 cr

3059 Quality Management and Lean Six Sigma

(A-F only; prereq 3001 or equiv or instr consent; credit will not be granted if credit already received for: OMS 3059)

22183 001 LEC, 01:45pm-03:25pm MW, CarlSMgmt 2-215, instruction mode: Classroom, 4 cr

3072 Managing Technologies in the Supply Chain

(A-F; prereq 3001; credit will not be granted if credit already received for: OMS 3072)

34932 001 LEC, 01:45pm-03:25pm TTh, CarlSMgmt L-110, 09/08/15-10/26/15, instruction mode: Classroom, 2 cr

4065W Supply Chain and Operations Strategy

(A-F; prereq 3001, 3056, 3059, 4 [OMS or SCO] elective cr; credit will not be granted if credit already received for: OMS 4065W; meets CLE req of Writing Intensive)

22184 001 LEC, 09:55am-11:35am TTh, CarlSMgmt 1-127, instruction mode: Classroom, 4 cr

6041 Project Management

(A-F; prereq [MBA 6220 or equiv], MBA student; credit will not be granted if credit already received for: OMS 6041)

22186 050 LEC, 08:00am-05:00pm F, CarlSMgmt 1-132, 09/08/15-10/26/15, instruction mode: Classroom; This class meets: 9/26, 10/3 and 10/10 only. 8:00am to 5:00 pm; 40 seats reserved for PTMBA student; 8 seats reserved for MBA day student, 2 cr

22185 !060 LEC, 05:45pm-09:05pm Th, HMH 1-105, 10/27/15-12/16/15, instruction mode: Classroom; 60 seats reserved for PTMBA student; 5 seats reserved for MBA day student, 2 cr

6051 Service Management

(A-F; prereq [MBA 6220 or equiv], MBA student; credit will not be granted if credit already received for: OMS 6051)

22187 !060 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-132, 09/08/15-10/26/15, instruction mode: Classroom; 38 seats reserved for PTMBA student; 10 seats reserved for MBA day student, 2 cr

6059 Quality Management and Lean Six Sigma

(A-F; prereq [MBA 6220 or equiv], MBA student; credit will not be granted if credit already received for: OMS 6059)

22188 !060 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-142, instruction mode: Classroom; 40 seats reserved for PTMBA student; 8 seats reserved for MBA day student, 4 cr

6850 Topics in Operations and Management Science

(max crs 12; 4 repeats allowed; A-F; prereq [MBA 6220 or equiv or instr consent], MBA student)

24272 050 LEC, 08:00am-05:00pm F, CarlSMgmt 1-132, 10/27/15-12/16/15, instruction mode: Classroom; This class meets 10/24, 10/31 and 11/7 only. 8:00am-5:00pm. This class is 2 credits.; 38 seats reserved for PTMBA student; 10 seats reserved for MBA day student, 2-4 cr

8652 Regression Analysis

(A-F only; prereq MBA 6120 or equiv, business admin PhD student or instr consent ; offered alt yrs; credit will not be granted if credit already received for: OMS 8652)

25055 001 LEC, instruction mode: Classroom, 3 cr

8755 Behavioral Operations

(A-F; prereq Business admin Ph.D. student or instr consent; credit will not be granted if credit already received for: OMS 8755)

31384 001 LEC, instruction mode: Classroom, 3 cr

8892 Readings in Operations and Management Science

(max crs 16; 16 repeats allowed; prereq Business admin PhD student or instr consent)

22189 001 IND, instruction mode: Classroom, 1-8 cr

8894 Graduate Research in Operations and Management Science

(max crs 16; 16 repeats allowed; prereq Business admin PhD student or instr consent)

22190 001 IND, instruction mode: Classroom, 1-8 cr

SURGERY (Surg)

11-100 Phillips Wangersteen Bldg (Box 195),
516 Delaware Street SE, East Bank Campus,
Minneapolis, MN, 55455
612/625-1400, <http://www.surg.umn.edu>

7501 Preparation for Surgical Internship

(H-N; prereq 7500 Surgery Clerkship, or equiv; designed for student entering general surgery categorical resident or beginning a surgical subspecialty or preliminary candidate for surgery)

22010 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 4 cr

7502 Externship in the Surgical Intensive Care Unit

(max crs 6; HNV; prereq 7500)

12633 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Deveney, Gina Ann, 2-6 cr

12634 005 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 2-6 cr

7503 Research Problems in Surgery

(max crs 8; HNV)

12635 003 IND, 08/03/15-12/23/15, instruction mode: Classroom, 2-8 cr

12636 004 IND, 08/03/15-12/23/15, instruction mode: Classroom, 2-8 cr

12637 005 IND, 08/06/15-01/28/16, instruction mode: Classroom, 2-8 cr

7504 Externship in Hospital-based Nutrition

(max crs 6; HNV)

12638 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

12639 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Deveney, Gina Ann, 3-6 cr

12640 005 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7505 Solid Organ Transplant Surgery

(max crs 6; H-N)

21125 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7509 Externship in Burn Surgery

(max crs 6; HNV; prereq 7500)

12642 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

12643 004 FWK, 08/03/15-12/23/15, instruction mode:

Classroom, 3-6 cr

12644 005 FWK, 08/06/15-01/28/16, instruction mode:

Classroom, 3-6 cr

12645 006 FWK, 08/06/15-01/28/16, instruction mode:

Classroom, 3-6 cr

7510 Advanced Surgery Externship (Subinternship) at Fairview-University Medical Center

(max crs 6; HNV; prereq 7500, dept consent)

12646 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

12647 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

12648 005 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 2-6 cr

7511 Advanced Surgery Externship (Subinternship) at VA Medical Center

(max crs 12; HNV; prereq 7500, dept consent)

16904 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7512 Advanced Surgery Externship (Subinternship) at Regions Hospital

(max crs 6; HNV; prereq 7500, dept consent)

18059 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7513 Advanced Surgery Externship (Subinternship) at Hennepin County Medical Center

(max crs 12; HNV; prereq 7500, dept consent)

16905 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7522 Plastic and Reconstructive Surgery

(max crs 4; HNV; prereq 7500)

12649 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr

12650 005 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr

12651 006 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 2-4 cr

12652 007 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 2-4 cr

7523 Externship in Colon and Rectal Surgery

(max crs 6; HNV; prereq 7500)

12653 005 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

12654 006 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

12655 007 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

12656 008 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

12657 009 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 3-6 cr

7524 Externship in Outpatient and Ambulatory Surgery

(HNV; prereq instr consent)

14968 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr

7525 Externship in Cardiovascular and Thoracic Surgery

(max crs 6; HNV; prereq 7500)

16906 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 3-6 cr

7526 Externship in Pediatric Surgery

(max crs 6; HNV; prereq 7500)

15849 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

8200 Clinical Surgical Problems in Management

(A-F only; prereq Grad surg major)

12821 001 FWK, instruction mode: Classroom, 3 cr

8201 Surgery Roentgenological Pathology Conference

(A-F only; prereq Grad surg major)

12822 001 LEC, instruction mode: Classroom, 1 cr

8202 Surgical Research

(A-F only; prereq Grad surg major)

12823 001 IND, instruction mode: Classroom, 3 cr

8203 Surgery Complications and Research Conference

(A-F only; prereq Grad surg major)
12824 001 LEC, instruction mode: Classroom, 1 cr

8207 Transplantation Conference

(A-F only; prereq Grad surg major)
12825 001 LEC, instruction mode: Classroom, 1 cr

8293 Applied Statistics

(S-N only; prereq Grad student in [surgery or experimental surgery or health sciences] or)
15851 001 IND, instruction mode: Classroom, 1 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
14023 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)
14157 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
14272 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
14353 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
13787 001 IND, instruction mode: Classroom, 1-24 cr

SUSTAINABILITY STUDIES (Sust)

190 Coffey Hall, 1420 Eckles Avenue, St Paul Campus, St Paul, MN, 55108
612/624-7254, <http://www.sustainability.umn.edu/minor/>

3003 Sustainable People, Sustainable Planet

(Credit will not be granted if credit has been received for: GLOS 3304; prereq Soph or jr or sr; meets CLE req of Environment)
18471 001 LEC, 01:30pm-02:45pm WF, BioSci 64, STPAUL, instruction mode: Classroom; This class was formerly co-listed as ESPM 3003 and GLOS 3004. Now SUST 3003 is the only designator used for "Sustainable People, Sustainable Planet."; Arnold, Todd W., 3 cr

4004 Sustainable Communities

(A-F; prereq [3003 or GLOS 3304, jr or sr] in sustainability studies minor) or instr consent)
19814 1001 LEC, 05:45pm-08:45pm Th, STSS 131A, instruction mode: Classroom; Grover, Samantha; Nadav, Amir J, 3 cr

SUSTAINABLE AGRICULTURAL SYSTEMS (SAGR)

411 Borlaug Hall, 1991 Upper Buford Circle, St Paul Campus, St Paul, MN, 55108
612/625-8235, <http://www.misa.umn.edu>

8010 Colloquium in Sustainable

Agriculture
(A-F only; prereq Coursework in biological or social sciences that provides intro to ag practices or issues)
17094 001 LEC, 11:45am-01:40pm Th, BorH 335, STPAUL, instruction mode: Classroom; Meets with: 17092 AGRO 4888; Sheaffer, Craig Charles; Murray, Helene, 2 cr

8020 Field Experience in Sustainable

Agriculture
(max crs 4; S-N only; prereq Coursework in biological or social sciences that provides intro to ag practices or issues)

11885 001 FWK, instruction mode: Classroom; Sheaffer, Craig Charles, 1-4 cr

SWAHILI (Swah)

808 Social Sciences Tower, 267-19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-9847, <http://www.afroam.umn.edu>

1221 Beginning Swahili, Semester I

17741 001 LEC, 10:10am-12:05pm MW, BlegH 430, instruction mode: Classroom; Meets with: 17779 SWAH 4221; Muaka, Angaluki, 5 cr
17969 1002 LEC, 06:20pm-08:50pm TTh, BlegH 105, instruction mode: Classroom; Meets with: 17970 SWAH 4221; Muaka, Angaluki, 5 cr

3225 Intermediate Swahili

(prereq 1 yr Swahili or equiv)
18885 001 LEC, 02:30pm-03:20pm MTWThF, BlegH 135, instruction mode: Classroom; Meets with: 18402 SWAH 4225; Muaka, Angaluki, 5 cr

4221 Beginning Swahili I

(prereq Grad student)
17779 001 LEC, 10:10am-12:05pm MW, BlegH 430, instruction mode: Classroom; Meets with: 17741 SWAH 4221; Muaka, Angaluki, 2 cr
17970 1002 LEC, 06:20pm-08:50pm TTh, BlegH 105, instruction mode: Classroom; Meets with: 17969 SWAH 4221; Muaka, Angaluki, 2 cr

4225 Intermediate Swahili

(prereq Grad student)
18402 001 LEC, 02:30pm-03:20pm MTWThF, BlegH 135, instruction mode: Classroom; Meets with: 18885 SWAH 3225; Muaka, Angaluki, 2 cr

SWEDISH (Swed)

320 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-2080, <http://www.gsd.umn.edu>

1001 Beginning Swedish

(Credit will not be granted if credit has been received for: SWED 4001)
18883 001 DIS, 11:15am-12:05pm MTWThF, FolH 16, instruction mode: Classroom; Meets with: 13138 SWED 4001, 5 cr
13252 1002 DIS, 04:40pm-06:05pm MTTh, FolH 12, instruction mode: Classroom; Meets with: 13254 SWED 4001; Norrman, Lena Elisabeth, 5 cr

1003 Intermediate Swedish

(Credit will not be granted if credit has been received for: SWED 4003; prereq 1002)
13888 001 DIS, 01:25pm-02:15pm MTWThF, Kolth 136, instruction mode: Classroom; Meets with: 13889 SWED 4003; Norrman, Lena Elisabeth, 5 cr

4001 Beginning Swedish

(Credit will not be granted if credit has been received for: SWED 1001; prereq 1004 in another language or passing score on LPE or grad student)
13138 001 DIS, 11:15am-12:05pm MTWThF, FolH 16, instruction mode: Classroom; Meets with: 18883 SWED 1001, 2 cr
13254 1002 DIS, 04:40pm-06:05pm MTTh, FolH 12, instruction mode: Classroom; Meets with: 13252 SWED 1001; Norrman, Lena Elisabeth, 2 cr

4003 Intermediate Swedish

(Credit will not be granted if credit has been received for: SWED 1003; prereq 1004 in another language or passing score on LPE or grad student)
13889 001 DIS, 01:25pm-02:15pm MTWThF, Kolth 136, instruction mode: Classroom; Meets with: 13888 SWED 1003; Norrman, Lena Elisabeth, 2 cr

THEATRE ARTS (Th)

580 Rarig Center, 330 21st Ave So, West Bank Campus, Minneapolis, MN, 55455
612/625-6699, <http://theatre.umn.edu/>

1101V Honors Section: Introduction to the Theater

(Credit will not be granted if credit has been received for: TH 1101W; max crs 4; A-F; prereq Honors student;

meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive; meets HON req of Honors)
001 LEC, 01:00pm-02:15pm M, BlegH 10, instruction mode: Classroom; Meets with: 10811 TH 1101W; Channer, Lisa E
14725 081 DIS, 01:00pm-02:15pm W, RarigC 10, instruction mode: Classroom, 3 cr

1101W Introduction to the Theatre

(Credit will not be granted if credit has been received for: TH 1101V; max crs 4; meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)
001 LEC, 01:00pm-02:15pm M, BlegH 10, instruction mode: Classroom; Meets with: 14724 TH 1101V; Channer, Lisa E
14063 002 DIS, 01:00pm-02:15pm F, RarigC 90, instruction mode: Classroom, 3 cr
14064 003 DIS, 01:00pm-02:15pm W, RarigC 64, instruction mode: Classroom, 3 cr
14065 004 DIS, 01:00pm-02:15pm W, RarigC 20, instruction mode: Classroom; 1 seat reserved for PSEO student, 3 cr
14066 005 DIS, 01:00pm-02:15pm F, RarigC 64, instruction mode: Classroom, 3 cr
14067 006 DIS, 01:00pm-02:15pm F, RarigC STUDIO-A, instruction mode: Classroom, 3 cr

1102 Stage, Screen, Society: Performance in the Media Age

(meets CLE req of Arts/Humanities)
16212 1001 LEC, 06:00pm-09:00pm W, WBU AUDITORIUM, instruction mode: Classroom; Werry, Margaret L, 3 cr

1301 Acting/Non-Majors

14473 1001 LEC, 06:30pm-09:30pm M, RarigC 10, instruction mode: Classroom; See also: Th 1321-003. 10 seats available for non-majors; Rambo, T. Mychael, 3 cr

1321 Beginning Acting: Fundamentals of Performance

(prereq 1101 or Concurrent registration is required (or allowed) in 1101)
20703 001 LAB, 09:05am-11:00am MW, RarigC STUDIO-A, instruction mode: Classroom; Seifert, Luverne G, 3 cr
20704 002 LAB, 09:05am-11:00am TTh, RarigC 90, instruction mode: Classroom; Longhi, Kym R, 3 cr

1322 Creating the Performance

(prereq 1321 or Concurrent registration is required (or allowed) in 1321 or 1501 or Concurrent registration is required (or allowed) in 1501)
20705 001 LAB, 09:05am-11:00am MW, RarigC 20, instruction mode: Classroom; Kayim, Gulgun Hayati; Rosen, Robert S, 3 cr
20706 002 LAB, 09:05am-11:00am TTh, RarigC 20, instruction mode: Classroom; Taylor, Dominic A, 3 cr

1362 Dance for Musical Theatre

(Credit will not be granted if credit has been received for: DNCE 1362; A-F only)
33736 001 LAB, 09:05am-11:00am TTh, RarigC STUDIO-A, instruction mode: Classroom; Baker, Dawn E; Lee, Linda Talcott, 2 cr

1391 BFA Acting I

(A-F only; prereq Accepted into BFA acting program)
15755 001 LAB, 01:00pm-06:00pm T, RarigC 20, 02:30pm-06:00pm Th, RarigC 20, 12:00pm-01:45pm F, RarigC 20, 03:45pm-06:15pm M, Guthrie 1, instruction mode: Classroom; Cardamone, Steve; Roach, Bruce Randall, 3 cr

1392 BFA Voice and Speech I

(A-F only; prereq Accepted into BFA acting program)
15756 001 LAB, 03:35pm-06:15pm W, RarigC 10, 03:45pm-06:15pm F, RarigC 10, instruction mode: Classroom; Holshue, Lucinda A, 2 cr

1393 BFA Movement I

(A-F only; prereq BFA-acting major)
15757 001 LAB, 01:55pm-03:00pm M, RarigC STUDIO-A, 12:45pm-02:15pm Th, RarigC 10, 02:00pm-03:30pm F, People Ctr GYM, 01:55pm-03:20pm W, RarigC STUDIO-A, instruction mode: Classroom; Silva Dos Santos, Marciano; Arpin, Joel P, 2 cr

1501 Introduction to Design and Technology for Live Performance

(A-F; prereq 1101 or Concurrent registration is required (or allowed) in 1101)
19759 001 LEC, 11:15am-12:05pm TTh, RarigC 210, instruction mode: Classroom; In addition, a lab is required. Student may choose one day for lab. Meetings are 2:00-6:00pm MTWThF. Running crew options may be available.; 20 seats reserved for Acting BFA students; Bend, Torry Riegel, 3 cr

1905 Freshman Seminar

(max crs 6; A-F only; prereq Fr)

23803 001 LEC, 09:05am-11:00am MW, HHHctr 35, instruction mode: Classroom; Divas; Nash PhD, Elizabeth Hamilton, 3 cr
 33831 002 LEC, instruction mode: Classroom; Sommers, Michael J, 3 cr

1910W Topics: Freshman Seminar

(A-F only; prereq freshman; meets CLE req of Writing Intensive)

33899 001 LEC, 06:30pm-09:30pm Th, SocSci 278, instruction mode: Classroom; Live Theater; Kuflinec, Sonja, 3 cr

1950 Topics in Theater

(max crs 6)

25462 001 LEC, 11:15am-01:10pm TTh, RarigC STUDIO-A, instruction mode: Classroom; Mime; Longhi, Kym R, 1-3 cr
 34213 002 LEC, 07:00pm-10:00pm MTWThF, RarigC 210, 09/14/15-10/26/15, instruction mode: Classroom; Kantor; Kobialka, Michal A, 1 cr; S-N; Kantor's Centenary

2391 BFA Acting III

(A-F only; prereq BFA student in theatre arts)

15762 001 LAB, 03:45pm-06:00pm T, RarigC 10, 03:45pm-06:30pm W, RarigC 20, 02:00pm-03:15pm F, RarigC 20, 03:00pm-05:30pm M, SocSci 278, 11:00am-05:00pm S, . ROOM-TBA, 07:00pm-10:30pm MTWThF, . ROOM-TBA, instruction mode: Classroom; Cardamone, Steve; Price, Joe; Roach, Bruce Randall, 3 cr

2392 BFA Voice and Speech III

(A-F only; prereq BFA student in theatre arts)

15758 001 LAB, 01:25pm-03:45pm T, RarigC 90, 03:15pm-06:00pm Th, RarigC 90, 12:20pm-01:50pm F, RarigC 10, instruction mode: Classroom; Smith, Darcy J; Cooke, Andrew; Enneking, Annie Michelle, 2 cr

2393 BFA Movement III

(A-F only; prereq BFA student in theatre arts)

15763 001 LAB, 02:05pm-03:30pm W, People Ctr GYM, 01:25pm-02:45pm Th, People Ctr GYM, 03:35pm-05:00pm F, People Ctr GYM, instruction mode: Classroom; Reyes, Randolph Francis; Enneking, Annie Michelle, 2 cr

3100 Theatre Practicum

(max crs 4; 4 repeats allowed; S-N only; prereq 1101; only two enrollments as actor may count toward a major)

001 LEC, instruction mode: Classroom; In addition to the practicum requirements, all students are required to attend two MANDATORY meetings: Thur, Sept 4, 2014, 5:45pm - 7:00pm, and Thur, Dec 4, 2014, 5:45pm - 7:00pm in RarigC 185.
 26357 002 LAB, instruction mode: Classroom, 1 cr

3115 Introduction to Playwriting

13452 001 LEC, 12:20pm-03:20pm F, SocSci 278, instruction mode: Classroom; Taylor, Dominic A, 3 cr

3171 History of the Theatre: Ancient Greece Through Neo-Classicism

(prereq Th major or instr consent)

16152 001 LEC, 10:10am-12:05pm TTh, BlegH 317, instruction mode: Classroom; 20 seats reserved for Acting BFA students; Kobialka, Michal A, 3 cr

3330 Physical Approaches to Acting

(max crs 6; prereq 1322, [3314 or Concurrent registration is required (or allowed) in 3314], audition, instr consent)

15144 001 LAB, 03:35pm-05:30pm MW, RarigC STUDIO-A, instruction mode: Classroom; Seifert, Luverne G, 3 cr

3370 BA Mentoring

(max crs 4; 4 repeats allowed; A-F)

26107 001 LAB, 03:30pm-06:00pm F, RarigC 90, instruction mode: Classroom; Acting, 1 cr
 26108 002 LAB, 03:30pm-06:00pm F, RarigC 20, instruction mode: Classroom; Directing, 1 cr
 26109 003 LAB, 03:30pm-06:00pm F, RarigC 64, instruction mode: Classroom; Playwriting, 1 cr
 33834 004 LAB, instruction mode: Classroom; Musical Theatre, 1 cr

3521 Introduction to Scenic Design for Theater and Performance

(prereq 3571)

20735 001 LEC, 01:25pm-03:20pm MW, RarigC 275, instruction mode: Classroom, 3 cr

3571 Introduction to Stage Technology

(A-F; prereq 1501)

19760 001 LEC, 11:15am-01:10pm MW, RarigC 210, 11:15am-01:10pm MW, RarigC 185, instruction mode: Classroom; class will also meet in Rarig, 30, 130, 230; 10 seats reserved for Acting BFA students; Binder-Pettigrew, Susan M; Johnson, Montana J; Healey, Bill, 3 cr

3711 Beginning Directing

(prereq 1101, 1321, 1322)

24071 001 LAB, 11:15am-01:10pm TTh, RarigC 90, instruction mode: Classroom; Sass, Joel D; Channer, Lisa E, 3 cr

3716 Stage Management

(A-F; prereq 1501 or instr consent)

20819 001 LAB, 03:35pm-05:30pm MW, RarigC 275, instruction mode: Classroom; Meets with: 11858 TH 5716; Swartwout, Christine M, 4 cr

3950 Topics in Theatre

(max crs 8; 8 repeats allowed)

22499 001 LEC, 01:25pm-03:20pm TTh, RarigC 210, instruction mode: Classroom; Topic prereq - Th 1322; Seifert, Luverne G, 3 cr; A-F; Scene Study

3993 Directed Study

(max crs 18; 3 repeats allowed; prereq 6 Th cr, instr consent, dept consent, college consent)

15626 001 IND, instruction mode: Classroom, 1-6 cr

4177W Survey of Dramatic Literature I: Strategic Interpretation

(prereq [3171, 3172], [jr or sr] or instr consent; meets CLE req of Writing Intensive)

11853 001 LEC, 03:35pm-05:30pm TTh, CarlSMgmt L-114, instruction mode: Classroom; 7 seats reserved for MFA grad student in Th; Pahwa, Sonali; Kompelmakher, Rita, 3 cr

4322 Acting for the Camera

(prereq 1301 or 3321)

14381 001 LAB, 03:35pm-05:30pm TTh, RarigC STUDIO-E, instruction mode: Classroom; Diercks, Shirley V, 3 cr

4380 Creative Collaboration

(max crs 12; 4 repeats allowed; prereq Audition, interview, instr consent)

19827 001 LAB, 07:00pm-10:30pm MTWThF, RarigC STUDIO-A, 09/08/15-10/26/15, instruction mode: Classroom; Valley Scare, 1-3 cr
 26106 002 LAB, 07:00pm-10:00pm MTWThF, RarigC 90, 10/27/15-12/16/15, 02:00pm-06:00pm S, RarigC 90, 10/27/15-12/16/15, instruction mode: Classroom; Brecht; Rothe, Matthias; Channer, Lisa E, 1-3 cr

4391 BFA Intensive II

(A-F only; prereq BFA student in theatre arts)

15759 001 LAB, 02:30pm-05:45pm M, . ROOM-TBA, 02:30pm-06:00pm W, . ROOM-TBA, 03:30pm-06:00pm F, RarigC STUDIO-A, instruction mode: Classroom; Cardamone, Steve, 2 cr

4393 BFA Rehearsal and Performance III

(A-F only; prereq BFA student in theatre arts)

15760 001 LAB, 07:00pm-11:00pm MTWThF, . ROOM-TBA, 09/08/15-10/26/15, 11:00am-05:00pm S, . ROOM-TBA, 09/08/15-10/26/15, 07:00pm-11:00pm M, . ROOM-TBA, 09/08/15-10/26/15, instruction mode: Classroom; Class meets 10/26-10/30 in Rarig 185; Cardamone, Steve; Smith, Darcy J; Roach, Bruce Randall; Pearson, Deborah J, 2 cr

4394 BFA Rehearsal and Performance IV

(A-F only; prereq BFA student in theatre arts)

15761 001 LAB, 11:00am-05:00pm S, . ROOM-TBA, 10/27/15-12/16/15, 07:00pm-11:00pm MTWThF, . ROOM-TBA, 10/27/15-12/16/15, 06:00pm-11:00pm S, . ROOM-TBA, 10/27/15-12/16/15, instruction mode: Classroom; Cardamone, Steve; Smith, Darcy J; Roach, Bruce Randall; Pearson, Deborah J, 2 cr

4532 Makeup for the Actor

20718 001 LAB, 09:05am-12:05pm F, RarigC 64, instruction mode: Classroom; Bundick, Theresa Jane, 2 cr

4555 Audio Technology

15627 001 LAB, 10:00am-11:00am TTh, RarigC 210, 09:05am-12:05pm F, RarigC 210, instruction mode: Classroom; Johnson, Montana J, 3 cr

4901 Senior Seminar

(Credit will not be granted if credit has been received for: DNCE 4901; S-N only; prereq Sr, [Th or Dnce major])

11854 001 IND, instruction mode: Classroom; This class meets 7:10-8:10 on Sept 14th in Rarig 185 and Oct 5th, and Dec. 7th in Barker 100.; Kuflinec, Sonja, 2 cr

4905H Honors: Tutorial Seminar in Theatre Arts

(max crs 4; A-F; prereq =4905; honors, theatre arts, dept consent; limit [2 cr for [cum laude or magna cum laude], 4 cr for summa cum laude]; meets HON req of Honors)

11897 001 IND, instruction mode: Classroom; Werry, Margaret L, 2-4 cr

5100 Theatre Practicum

(max crs 20; 10 repeats allowed; prereq instr consent, dept consent; 4 cr of 3100 for undergrads)

11855 001 FWK, instruction mode: Classroom, 1-4 cr

5117 Performance and Social Change

(A-F only; prereq Jr or sr or grad student)

19227 001 LEC, 03:35pm-06:30pm M, RarigC 90, instruction mode: Classroom; Kuflinec, Sonja, 3 cr

5340 Tragedy/Poetry: Advanced Physical Performance Studio

(max crs 6; A-F; prereq [3322, 3331, grad student] or instr consent)

19826 001 LEC, 11:15am-01:10pm MW, RarigC STUDIO-A, instruction mode: Classroom; Berlovitz, Barbra Ann, 3 cr

5355 Puppetry: Techniques and Practice in Contemporary Theater

(prereq [3513 or &3513], instr consent] or grad student)

19824 001 LAB, 09:05am-11:00am MW, RarigC 30, 09:05am-11:00am MW, RarigC 90, instruction mode: Classroom; Sommers, Michael J, 3 cr

5500 Theatre Design Practicum

(max crs 20; 10 repeats allowed; prereq Th 3521, 3531, or 3541)

11856 001 FWK, instruction mode: Classroom, 1-3 cr

5510 Drawing, Rendering, and Painting for the Theatre Designer I

(prereq 1501 or grad)

25596 001 LAB, 11:15am-01:10pm TTh, RarigC 275, instruction mode: Classroom; Lefebvre, Matthew James, 3 cr

5530 Costume Design

(max crs 9; 3 repeats allowed; prereq 3531)

11857 001 LEC, 09:05am-11:00am MW, RarigC 275, instruction mode: Classroom; Lefebvre, Matthew James, 3 cr

5540 Lighting Design for the Theatre

(max crs 9; 3 repeats allowed; prereq 3541)

33926 001 LEC, 11:15am-01:10pm M, RarigC 210, instruction mode: Classroom; Dilliard, Marcus F, 3 cr

5545 Stage Lighting Technology

(prereq 3515 or grad or instr consent)

25598 001 LAB, 02:00pm-06:00pm M, RarigC 210, instruction mode: Classroom; Connealy, Ryan William; Dilliard, Marcus F, 3 cr

5570 Properties/Scenery Technology

(max crs 15; 15 repeats allowed; prereq 3515 or grad or instr consent)

22198 001 FWK, 08:00am-11:00am TTh, RarigC 130, instruction mode: Classroom; Scene Painting; Powers, Angeliqne Renee, 1-3 cr

5580 Costume Technology

(max crs 15; 5 repeats allowed; prereq 3571 or grad or instr consent)

14062 001 LEC, 10:10am-12:05pm TTh, RarigC 230, instruction mode: Classroom; Flat Patterning; Binder-Pettigrew, Susan M, 3 cr
 20140 002 LEC, 06:30pm-09:30pm MW, RarigC 64, instruction mode: Classroom; Wigs and Hair, 3 cr

5590 Theatre Technology Practicum

(max crs 15; 15 repeats allowed; prereq 3515, instr consent, dept consent; 4 cr max for undergrads)

22168 001 FWK, 11:15am-01:10pm MW, RarigC 275, instruction mode: Classroom; Non-traditional Scenic Design; Saboe, Andrew, 1-3 cr

5711 Advanced Stage Direction

(prereq [4711, instr. consent] or grad student)

33860 001 LAB, 01:25pm-03:20pm TTh, RarigC 20, instruction mode: Classroom; Channer, Lisa E, 3 cr

5716 Stage Management for the Theatre

(prereq [1101, 1321, soph] or grad)

11858 001 LEC, 03:35pm-05:30pm MW, RarigC 275, instruction mode: Classroom; Course can be taken with either a practical stage manager experience track or as assigned classwork.; Meets with: 20819 TH 3716; Swartwout, Christine M, 4 cr

5760 Advanced Stage Management

(max crs 3; prereq 5716 or Concurrent registration is required (or allowed) in 5716, instr consent ; [4 cr max for undergrads])

11859 001 FWK, instruction mode: Classroom; Meet by appointment with instructor; Swartwout, Christine M, 2-3 cr

5950 Topics in Theatre

(max crs 20; 20 repeats allowed)

25612 001 LEC, 11:15am-01:10pm MW, RarigC 210, instruction mode: Classroom; Gwinup, Martin Bruce, 1-4 cr
25613 002 LEC, 09:05am-11:00am MW, RarigC 210, instruction mode: Classroom; Gwinup, Martin Bruce, 1-4 cr

5993 Directed Study

(max crs 20; 20 repeats allowed)

11860 001 IND, instruction mode: Classroom, 1-5 cr

8100 Theatre Practicum

(max crs 20; 20 repeats allowed; prereq instr consent , dept consent)

11861 001 FWK, instruction mode: Classroom, 1-4 cr

8102 Theatre Historiography

25626 001 LEC, 01:25pm-03:20pm TTh, RarigC 550B, instruction mode: Classroom; Kobialka, Michal A, 3 cr

8111 History and Theory of Western Theatre: Ancient World and Early Medieval

33902 001 LEC, 03:35pm-05:30pm TTh, RarigC 550B, instruction mode: Classroom; Kobialka, Michal A, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14024 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14159 001 IND, instruction mode: Classroom, 1 cr

8500 Theatre Design Practicum

(max crs 20; 20 repeats allowed; prereq instr consent , dept consent)

11862 001 FWK, instruction mode: Classroom, 1-3 cr
23302 002 FWK, instruction mode: Classroom, 1-3 cr

8510 Professional Design Workshop

(max crs 4; A-F; prereq MFA candidate)

25614 001 DIS, 10:10am-12:05pm F, RarigC 275, instruction mode: Classroom; Dilliard, Marcus F, 2 cr

8590 Theatre Technology Practicum

(max crs 20; 20 repeats allowed; prereq instr consent , dept consent)

11863 001 FWK, instruction mode: Classroom, 1-3 cr
23303 002 FWK, instruction mode: Classroom, 1-3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14274 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14354 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13789 001 IND, instruction mode: Classroom, 1-24 cr

8980 Internship

(max crs 10; 10 repeats allowed; prereq instr consent , dept consent)

19989 001 FWK, instruction mode: Classroom, 1-5 cr

8990 MFA Creative Thesis

(max crs 4; prereq instr consent , dept consent)

11864 001 IND, instruction mode: Classroom, 3-4 cr

8994 Directed Research

(max crs 5; prereq instr consent , dept consent)

11865 001 IND, instruction mode: Classroom, 1-5 cr
23351 002 IND, instruction mode: Classroom, 1-5 cr

THERAPEUTIC RADIOLOGY (TRad)

M-26 Masonic Cancer Ctr (Box 494), 424

Harvard Street SE, East Bank Campus,

Minneapolis, MN, 55455

612/626-6700, <http://www.med.umn.edu/trad/>

7340 Special Problems in Radiation Therapy

(max crs 15; HNV)

13665 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom; Dusenbery MD, Kathryn E; Lee, Chung Kyu, 1-15 cr

7440 Special Problems in Radiological Physics

(HNV)

13652 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom; Gerbi PhD, Bruce J, 1-15 cr

7505 Externship in Radiation Oncology

(max crs 4; HNV)

13661 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Dusenbery MD, Kathryn E; Lee, Chung Kyu, 3-4 cr

7507 Advanced Externship in Radiation Oncology

(HNV)

13663 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Dusenbery MD, Kathryn E; Lee, Chung Kyu, 6 cr

7510 Radiation Oncology Clinical Research

(HNV)

13653 001 IND, 08/03/15-12/23/15, instruction mode: Classroom; Lee, Chung Kyu, 6 cr

7511 Outpatient Diagnosis, Evaluation and Treatment of Adults and Children with Cancer

(HNV; prereq Med 7500)

13657 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom; Lee, Chung Kyu; Ramsay, Norma KC, 6 cr

8204 Tumor Clinic Conference

13662 001 LEC, instruction mode: Classroom; Dusenbery MD, Kathryn E; Lee, Chung Kyu, 0 cr

8240 Radiation Therapy Conference

13664 001 LEC, instruction mode: Classroom; Lee, Chung Kyu; Dusenbery MD, Kathryn E, 0 cr

8310 Fundamentals of Radiation Therapy

13666 001 LEC, instruction mode: Classroom; Lee, Chung Kyu; Dusenbery MD, Kathryn E, 1 cr

8315 Radiation Therapy Pathology

14540 001 LEC, instruction mode: Classroom, 1 cr

8320 Radiation Therapy Treatment Planning Problems

13654 001 LEC, instruction mode: Classroom, 1 cr

8325 Radiation Therapy Pediatrics Oncology

13656 001 LEC, instruction mode: Classroom; Dusenbery MD, Kathryn E, 1 cr

8350 Research: Radiation Therapy

(max crs 15)

13660 001 LEC, instruction mode: Classroom; Dusenbery MD, Kathryn E; Orner MD, James B; Lee, Chung Kyu, 1-15 cr

8450 Research: Radiation Biology

(max crs 15)

13658 001 LEC, instruction mode: Classroom; Ritenour, Russell; Song, Chang W, 1-15 cr

8550 Research: Radiological Physics

(max crs 15)

13659 001 LEC, instruction mode: Classroom; Gerbi PhD, Bruce J, 1-15 cr

TMD & OROFACIAL PAIN (TMDP)

8441 Seminar in Temporomandibular Disorders & Orofacial Pain

(A-F only)

12693 001 LEC, 12:00pm-01:00pm F, . NORMREQD, instruction mode: Classroom; Course meets in Dept. conference room, 6-258.; Mulet Pradera DDS, MS,Mariona, 1 cr

8442 Advanced Clinical Temporomandibular Disorders and Orofacial Pain

(max crs 4; A-F only; prereq Participation in TMJ and orofacial pain advanced education program)

12694 001 FWK, instruction mode: Classroom; Moost 6-374; Nixdorf, Donald R, 1-4 cr

TOXICOLOGY (TxcI)

244 Veterinary Diagnostic Lab, 1333 Gortner Ave, St Paul Campus, St Paul, MN, 55108

612/625-8787

5000 Directed Research in Toxicology

(max crs 80; 16 repeats allowed; A-F only; prereq instr consent)

15866 001 LAB, instruction mode: Classroom, 1-5 cr

5195 Veterinary Toxicology

(Credit will not be granted if credit has been received for: CVM 6195; A-F only; prereq Grad student or instr consent)

14705 001 LEC, instruction mode: Classroom; Murphy, Michael J, 3 cr

8013 Advanced Toxicology II

(A-F only; prereq 8012, BioC 4332, Phsl 5062 or Phsl 6101 or instr consent)

15863 001 LEC, instruction mode: Classroom; ITV - 145 Peters (St. Paul); Murphy, Michael J, 3 cr

8100 Investigative Toxicology

(max crs 2; A-F only; prereq 8013 or instr consent)

14524 001 LEC, 02:00pm-02:50pm Th, Room TBA, STPAUL, instruction mode: Classroom; (ITV) St. Paul - 145 Peters; Wallace, Kendall B., 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14526 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14275 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

23328 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13792 001 IND, instruction mode: Classroom, 1-24 cr
24466 002 IND, 08/07/15-06/15/16, instruction mode: Classroom, 1-24 cr

TRANSLATION AND INTERPRETING (TrIn)

160 McNamara Center, 200 Oak Street SE, East Bank Campus, Minneapolis, MN, 55455

612/624-4000, <http://www.coe.umn.edu/Program-in-Translation-and-Interpreting>

900 Special Education for Interpreters (S-N)

24317 1001 LEC, 06:10pm-09:00pm M, NichH 355, instruction mode: Classroom; Meets with TRIN 3900.

Contact the program office for a permission number at ccepti@umn.edu.; Meets with: 22258 TRIN 3900; Tapias-Heinrich, Betty Ann, 0 cr

1201 Health Care Terms and Concepts for Interpreters (A-F only)

17750 !001 LEC, 06:10pm-09:00pm Th, NichH 335, instruction mode: Classroom; To register for this course you must have already completed TrIn 3101 or be concurrently registered for it.; Weimerskirch, Marcia L, 3 cr

1301 Legal Terms and Concepts for Interpreters

23658 !001 LEC, 06:10pm-09:00pm M, NichH 145, instruction mode: Classroom; To register for this course you must have already completed TrIn 3101 or be concurrently registered for it.; Cazales, Cesar Alexander, 3 cr

3001 Introduction to Translation (prereq Bilingual proficiency in [English, second language of instruction])

!001 LEC, 06:10pm-07:00pm T, NichH 355, instruction mode: Classroom; To register for this course you must first submit the Language Background Form and Writing Sample Form. Forms can be found at www.cce.umn.edu/pti under "Student Resources". Contact the program with any questions at 612-625-5091 or ccepti@umn.edu.; Giannini, Claudia A

22257 !002 DIS, 07:15pm-09:00pm T, FolH 10, instruction mode: Classroom; Giannini, Claudia A, 3 cr

3101 Introduction to Interpreting (prereq high level of proficiency in spoken English and another language; 3001 recommended)

27377 001 LEC, instruction mode: Classroom, 3 cr

3102 Consecutive Interpreting

(prereq 3101, high level of proficiency in [spoken English, another language])

!001 LEC, 06:10pm-07:00pm W, FolH 31, instruction mode: Classroom; Homler, Scott A
19372 !002 DIS, 07:15pm-09:00pm W, FolH 10, instruction mode: Classroom; Homler, Scott A, 3 cr

3900 Topics in Translation and Interpreting (max crs 24; 4 repeats allowed)

22258 !001 LEC, 06:10pm-09:00pm M, NichH 355, instruction mode: Classroom; TOPIC: Interpreting in Special Education Settings. Meets with TRIN 900. Contact the program office for a permission number at ccepti@umn.edu.; Meets with: 24317 TRIN 900; Tapias-Heinrich, Betty Ann, 6 cr

5993 Directed Study

(max crs 6)
15856 002 IND, instruction mode: Classroom; Contact the department at 612-625-0591 or ccepti@umn.edu for permission.; Homler, Scott A, 1-3 cr

UNIVERSITY COLLEGE (UC)

20 Ruttan Hall, 1994 Buford Ave, St Paul Campus, St Paul, MN, 55108
612/624-4000, <http://www.cce.umn.edu>

1005 Global Perspectives on Higher Education

(max crs 4; prereq International student)
21096 001 LEC, 12:20pm-02:15pm F, BlegH 145, instruction mode: Classroom; This course is for international students., 2 cr
22008 002 LEC, 02:30pm-04:25pm F, BlegH 145, instruction mode: Classroom; This class is for international students., 2 cr
22255 003 LEC, 02:30pm-04:25pm F, BlegH 140, instruction mode: Classroom; This class is for international students., 2 cr

3201 Web Designer Introduction

16778 !001 LEC, 05:00pm-09:00pm T, STSS 432A, instruction mode: Classroom; Husom, David Harold, 4 cr
18474 !002 LEC, 05:00pm-09:00pm Th, STSS 432A, instruction mode: Classroom; Husom, David Harold, 4 cr

URBAN STUDIES (UrbS)

348 Social Sciences Building, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455

612/626-1626, <http://urbanstudies.cla.umn.edu>

1001W Introduction to Urban Studies: The Complexity of Metropolitan Life

(A-F only; meets CLE req of Writing Intensive)
11967 001 LEC, 04:00pm-05:15pm MW, AndH 330, instruction mode: Classroom; Meets with: 21846 URBS 3001W; Brinda, Mark Richard, 3 cr

3001W Introduction to Urban Studies: The Complexity of Metropolitan Life

(A-F only; meets CLE req of Writing Intensive)
21846 001 LEC, 04:00pm-05:15pm MW, AndH 330, instruction mode: Classroom; Meets with: 11967 URBS 1001W; Brinda, Mark Richard, 3 cr

3201 Urban Studies Colloquium

(max crs 4; 4 repeats allowed; A-F only; prereq dept consent)
14475 !001 DIS, 05:30pm-07:30pm Th, BlegH 155, 09/08/15-10/26/15, instruction mode: Classroom; Topic prereq dept consent, 1 cr
22877 !002 DIS, 05:30pm-07:30pm T, HHHctr 184, 09/08/15-10/26/15, instruction mode: Classroom, 1 cr
18025 !003 DIS, 05:30pm-07:30pm T, HHHctr 184, 10/27/15-12/16/15, instruction mode: Classroom, 1 cr

3301W American Cities As Settings for Cultural Diversity

(meets CLE req of Writing Intensive)
34724 001 LEC, instruction mode: Classroom, 3 cr

3500 Urban Studies Workshop

(max crs 9; 3 repeats allowed; A-F only; prereq instr consent)
11988 001 FWK, 02:30pm-05:00pm W, HHHctr 20, instruction mode: Classroom; Cronin, Michael W, 3 cr
15815 !002 FWK, 06:00pm-08:30pm W, BlegH 105, instruction mode: Classroom; Course co-taught with Anna Claussen; Connolly, Pat James, 3 cr

3900 Urban Studies Internship Seminar

(max crs 4; A-F only; prereq Sr, internship placement, dept consent, instr consent)
12274 001 FWK, 01:25pm-03:20pm M, HHHctr 20, instruction mode: Classroom; Pentel, Paula R, 2 cr

3955W Senior Paper Seminar

(A-F only; prereq dept consent; meets CLE req of Writing Intensive)
19679 001 LEC, 09:05am-11:00am F, BlegH 220, instruction mode: Classroom; Kayzar, Brenda, 2 cr

3993 Urban Studies Directed Study

(max crs 6; 3 repeats allowed; A-F only)
13690 001 IND, instruction mode: Classroom, 1-3 cr

UROLOGIC SURGERY (UroI)

A-597 Mayo (Box 394 UMHC), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9933, <http://www.urology.umn.edu>

7200 Surgical Specialty: Urology

(max crs 4; P-N only)
12601 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr
12602 002 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr
12603 003 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr
12604 004 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr
12605 005 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr
12606 006 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr
12607 007 FWK, 08/06/15-01/28/16, instruction mode: Classroom, 2-4 cr

7252 Urological Conference

(NGA)
12814 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr

7253 Research in Urology

(NGA)
12815 001 LEC, 08/03/15-12/23/15, instruction mode: Classroom, 3 cr

7400 Surgical Specialty: Urology Elective

(max crs 4; HNV)
16908 001 FWK, 08/03/15-12/23/15, instruction mode: Classroom, 2-4 cr

7500 Advanced Urological Surgery

(max crs 6; HNV; prereq 7200 or course director approval)
16909 001 ROT, 08/03/15-12/23/15, instruction mode: Classroom, 2-6 cr

7503 Urologic Research

(max crs 15; HNV)
14969 001 IND, 08/03/15-12/23/15, instruction mode: Classroom, 1-15 cr

VETERINARY & BIOMEDICAL SCIENCES (VBS)

2032 General Microbiology With Laboratory

(Credit will not be granted if credit has been received for: MICB 3301, BIOL 2032, MICB 2032, MICB 3303; A-F; prereq One semester each of college chemistry, biology)

001 LEC, 11:45am-12:35pm TTh, RuttanH B45, STPAUL, instruction mode: Partially Online; All lectures will be recorded. Contact Kathy Fryxell with registration questions at fryx002@umn.edu. Tentative syllabus is posted under Course Guide.; Johnson, Tim

17227 002 LAB, 09:15am-11:15am TTh, VetS 325, STPAUL, instruction mode: Classroom; Merica PhD, Rebecca Ruth, 5 cr

17228 003 LAB, 01:00pm-03:00pm TTh, VetS 325, STPAUL, instruction mode: Classroom; Merica PhD, Rebecca Ruth, 5 cr

VETERINARY CLINICAL SCIENCES (VCS)

C-339 Veterinary Teaching Hospital, 1352 Boyd Ave, St Paul Campus, St Paul, MN, 55108
612/625-7744

4992 Directed Readings in Veterinary Clinical Sciences

(max crs 12; A-F; prereq [One-page proposal, bibliography of works to be read] submitted to faculty)

20188 001 IND, 08:00am-08:50am MWF, Room TBA, TCEASTBANK, instruction mode: Independent/Directed Studies; Modiano, Jaime, 1-6 cr

22741 002 IND, 08:30am-09:20am MWF, . NORMREQD, instruction mode: Independent/Directed Studies; Dickerson, Erin B, 1-6 cr

4993 Directed Study in Veterinary Clinical Sciences

(max crs 12; A-F; prereq One-page proposal submitted to faculty member)

20189 001 IND, instruction mode: Independent/Directed Studies; Modiano, Jaime, 1-6 cr

4994 Directed Research in Veterinary Clinical Sciences

(max crs 12; A-F; prereq One-page proposal submitted to faculty member)

20190 001 IND, instruction mode: Independent/Directed Studies; Modiano, Jaime, 1-6 cr

VETERINARY MEDICINE (CVM)

455 Veterinary Teaching Hospitals, 1352 Boyd Ave, St Paul Campus, St Paul, MN, 55108
612/624-9227, <http://www.cvm.umn.edu>

6000 Gopher Orientation and Leadership Experience

(max crs 4; S-N; prereq Admission to veterinary program)

10162 001 DIS, 11:00am-12:00pm F, Room TBA, STPAUL, 09:00am-10:00am M, Room TBA, STPAUL, 08:00am-10:00am W, Room TBA, STPAUL, 11:00am-12:00pm F, Room TBA, STPAUL,

11:00am-12:00pm W, Room TBA, STPAUL,
10:00am-12:00pm W, Room TBA, STPAUL,
08:00am-09:00am W, Room TBA, STPAUL,
01:00pm-03:00pm Th, Room TBA, STPAUL,
12:00pm-01:00pm T, Room TBA, STPAUL, instruction
mode: Classroom; ANSCV 125; Churchill DVM, Julie Ann;
Trent, Ava M, 2 cr

6001 Opportunities in International and Cultural Immersion

(max crs 1; S-N)

10144 001 LEC, 12:00pm-01:00pm Th, Room TBA,
STPAUL, 12:00pm-01:00pm Th, Room TBA,
STPAUL, 12:00pm-01:00pm Th, Room TBA,
STPAUL, 12:00pm-01:00pm Th, Room TBA,
STPAUL, 12:00pm-01:00pm Th, Room TBA,
STPAUL, 12:00pm-01:00pm Th, Room TBA,
STPAUL, 12:00pm-01:00pm Th, Room TBA,
STPAUL, 12:00pm-01:00pm Th, Room TBA,
STPAUL, 12:00pm-01:00pm M, Room TBA, STPAUL, instruction
mode: Classroom; Travis, Dominic A, 0.50 cr
10301 002 LEC, 08/07/15-01/08/16, instruction mode:
Classroom, 0.50 cr

6005 Foundations of Interprofessional Communication and Collaboration

(max crs 2; S-N; prereq AHC student)

10335 001 DIS, 01:30pm-03:30pm Su, Room TBA,
STPAUL, 01:30pm-03:30pm Su, Room TBA,
STPAUL, 01:30pm-03:30pm Su, Room TBA, STPAUL,
01:30pm-03:30pm Su, Room TBA, STPAUL,
01:30pm-03:30pm Su, Room TBA, STPAUL,
01:30pm-03:30pm Su, Room TBA, STPAUL, instruction
mode: Classroom; Root Kustritz, Margaret Viola, 1 cr

6026 Small Animal ICU Practicum: Year 4

(max crs 3; 3 repeats allowed; S-N only)

10316 001 FWK, 08/07/15-01/08/16, instruction mode:
Classroom; Tart, Kelly, 1 cr

6027 Large Animal Practicum: Year 3

(S-N)

10206 001 FWK, instruction mode: Classroom; Madill, Scott;
Trent, Ava M, 1 cr

6028 Large Animal Hospital Practicum: Year 4

(max crs 12; 3 repeats allowed; S-N only; prereq All 4th
year students in Food Animal, Equine, Mixed tracks, as
well as affiliate students.)

10317 001 FWK, 08/07/15-01/08/16, instruction mode:
Classroom; Madill, Scott, 4 cr

6029 Small Animal Hospital Practicum: Year 3

(max crs 2; S-N; prereq DVM 3rd yr or instr consent)

10195 001 FWK, 08/07/15-01/08/16, instruction mode:
Classroom; Tart, Kelly, 1 cr

6042 Practice Management/Law and Ethics (S-N only; prereq DVM or instr consent)

10353 001 LEC, 08:00am-05:00pm ThF, Room TBA,
STPAUL, 08/07/15-01/08/16, 03:00pm-05:00pm W, Room
TBA, STPAUL, 08/07/15-01/08/16, 08:00am-03:00pm
Th, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-03:00pm F, Room TBA, STPAUL, 08/07/15-01/
08/16, instruction mode: Classroom; Lee, David E, 2 cr

6103 Veterinary Imaging II

(A-F; prereq [6100, 6101, 6102, DVM 3rd yr] or instr
consent)

10196 001 LEC, 08:00am-10:00am W, Room TBA, STPAUL,
08/07/15-01/08/16, 02:00pm-05:00pm Th, Room TBA,
STPAUL, 08/07/15-01/08/16, 02:00pm-05:00pm M, Room
TBA, STPAUL, 08/07/15-01/08/16, 08:00am-10:00am
WF, Room TBA, STPAUL, 08/07/15-01/08/16,
02:00pm-05:00pm MT, Room TBA, STPAUL, 08/07/15-01/
08/16, 10:00am-12:00pm Th, Room TBA, STPAUL, 08/07/
15-01/08/16, 02:00pm-05:00pm MF, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-11:00am T, Room TBA,
STPAUL, 08/07/15-01/08/16, 11:00am-12:00pm T, Room
TBA, STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm
W, Room TBA, STPAUL, 08/07/15-01/08/16,
02:00pm-05:00pm M, Room TBA, STPAUL, 08/07/
15-01/08/16, 02:00pm-05:00pm T, Room TBA, STPAUL,
08/07/15-01/08/16, 08:00am-10:00am W, Room TBA,
STPAUL, 08/07/15-01/08/16, 01:00pm-02:00pm F, Room
TBA, STPAUL, 08/07/15-01/08/16, 09:00am-12:00pm
MW, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-09:00am Th, Room TBA, STPAUL, 08/07/15-01/
08/16, 09:00am-10:00am Th, Room TBA, STPAUL, 08/07/
15-01/08/16, 08:00am-10:00am F, Room TBA, STPAUL,
08/07/15-01/08/16, 02:00pm-05:00pm M, Room TBA,
STPAUL, 08/07/15-01/08/16, 03:00pm-05:00pm Th, Room
TBA, STPAUL, 08/07/15-01/08/16, 02:00pm-05:00pm

F, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-10:00am T, Room TBA, STPAUL, 08/07/15-01/
08/16, 02:00pm-05:00pm T, Room TBA, STPAUL, 08/07/
15-01/08/16, 02:00pm-05:00pm Th, Room TBA, STPAUL,
08/07/15-01/08/16, 01:00pm-02:00pm M, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-11:00am W, Room
TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-04:00pm W,
Room TBA, STPAUL, 08/07/15-01/08/16, instruction mode:
Classroom; Anderson, Kari L.; Feeny, Daniel A, 2 cr

6137 Small Animal Clinical Nutrition

(max crs 6; 3 repeats allowed; A-F; prereq 3rd or 4th yr
DVM or instr consent)

10302 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; Churchill DVM, Julie Ann; Lashbaugh,
Kristy Diane, 2 cr

6222 Advanced Clinical Epidemiology

(max crs 2; A-F)

10207 001 LEC, 03:00pm-05:00pm T, Room TBA,
STPAUL, 03:00pm-05:00pm T, Room TBA, STPAUL,
01:00pm-03:00pm M, Room TBA, STPAUL, instruction
mode: Classroom; Wells, Scott J, 1 cr

6305 Clinical Skills IV

(S-N; prereq DVM 3rd yr or instr consent)

10171 001 LAB, 01:00pm-03:00pm W, Room TBA, STPAUL,
08/07/15-01/08/16, 03:00pm-05:00pm W, Room TBA,
STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm F, Room
TBA, STPAUL, 08/07/15-01/08/16, 03:00pm-05:00pm
F, Room TBA, STPAUL, 08/07/15-01/08/16,
01:00pm-03:00pm Th, Room TBA, STPAUL, 08/07/15-01/
08/16, 01:00pm-03:00pm F, Room TBA, STPAUL, 08/07/
15-01/08/16, 03:00pm-05:00pm F, Room TBA, STPAUL,
08/07/15-01/08/16, 03:00pm-05:00pm Th, Room TBA,
STPAUL, 08/07/15-01/08/16, instruction mode: Classroom;
135 AnSVM; Armstrong, P Jane, 1 cr

6312 Veterinary Dental Rotation (SDen)

(max crs 6; 3 repeats allowed; A-F; prereq DVM 3rd or
4th yr student or instr consent)

10259 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; Breslin, Carol A, 2 cr
10011 013 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 10/12/15-10/25/15, instruction mode: Classroom;
Breslin, Carol A, 2 cr
10012 015 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 11/09/15-11/22/15, instruction mode: Classroom;
Breslin, Carol A, 2 cr
10013 017 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 12/07/15-12/20/15, instruction mode: Classroom;
Breslin, Carol A, 2 cr
10099 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction
mode: Classroom; Breslin, Carol A, 2 cr

6410 Large Animal Digestive Disorders

(max crs 4; A-F; prereq DVM 3rd yr or instr consent)

10173 001 LEC, 10:00am-12:00pm TTh, Room TBA,
STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm
M, Room TBA, STPAUL, 08/07/15-01/08/16,
10:00am-12:00pm T, Room TBA, STPAUL, 08/07/15-01/
08/16, 03:00pm-05:00pm W, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm TTh, Room
TBA, STPAUL, 08/07/15-01/08/16, 03:00pm-05:00pm
Th, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-10:00am F, Room TBA, STPAUL, 08/07/15-01/
08/16, 01:00pm-02:00pm F, Room TBA, STPAUL, 08/07/
15-01/08/16, 01:00pm-03:00pm T, Room TBA, STPAUL,
08/07/15-01/08/16, 03:00pm-05:00pm Th, Room TBA,
STPAUL, 08/07/15-01/08/16, 03:00pm-04:00pm F, Room
TBA, STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm
TWTh, Room TBA, STPAUL, 08/07/15-01/08/16,
01:00pm-03:00pm W, Room TBA, STPAUL, 08/07/15-01/
08/16, 10:00am-12:00pm Th, Room TBA, STPAUL, 08/07/
15-01/08/16, 08:00am-09:00am MW, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm Th, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-09:00am M, Room
TBA, STPAUL, 08/07/15-01/08/16, 08:00am-11:00am F,
Room TBA, STPAUL, 08/07/15-01/08/16, instruction mode:
Classroom; Trent, Ava M, 2 cr

6411 Small Animal Gastroenterology

(A-F; prereq DVM 3rd yr or instr consent)

10213 001 LEC W, Room TBA, 08/07/15-01/08/16,
10:00am-12:00pm M, Room TBA, STPAUL, 08/07/15-01/
08/16, 02:00pm-05:00pm T, Room TBA, STPAUL, 08/07/
15-01/08/16, 10:00am-12:00pm TW, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm MWF, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am M, Room
TBA, STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm
MF, Room TBA, STPAUL, 08/07/15-01/08/16,
10:00am-12:00pm M, Room TBA, STPAUL, 08/07/15-01/

08/16, 10:00am-12:00pm TF, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm M, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am T, Room
TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm
WTh, Room TBA, STPAUL, 08/07/15-01/08/16,
10:00am-12:00pm M, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-06:00pm W, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm MTh, Room
TBA, STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm
TW, Room TBA, STPAUL, 08/07/15-01/08/16,
02:00pm-05:00pm MT, Room TBA, STPAUL, 08/07/
15-01/08/16, 08:00am-12:00pm M, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm TTh, Room
TBA, STPAUL, 08/07/15-01/08/16, 08:00am-11:00am
MF, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-11:00am W, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-06:00pm Th, Room TBA, STPAUL,
08/07/15-01/08/16, 08:00am-12:00pm Th, Room TBA,
STPAUL, 08/07/15-01/08/16, instruction mode: Classroom;
Armstrong, P Jane, 3 cr

6420 Musculoskeletal System Diseases

(A-F; prereq DVM 3rd yr or instr consent)

10174 001 LEC, 08:00am-10:00am TTh, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am
TTh, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-10:00am MW, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-10:00am W, Room TBA, STPAUL, 08/07/
15-01/08/16, 02:00pm-05:00pm MF, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm T, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am Th, Room
TBA, STPAUL, 08/07/15-01/08/16, 07:00pm-07:50pm
MW, Room TBA, STPAUL, 08/07/15-01/08/16,
10:00am-12:00pm T, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-10:00am W, Room TBA, STPAUL, 08/07/
15-01/08/16, 02:00pm-05:00pm TTh, Room TBA, STPAUL,
08/07/15-01/08/16, 08:00am-10:00am F, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am M, Room
TBA, STPAUL, 08/07/15-01/08/16, 08:00am-10:00am
TTh, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-10:00am T, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-10:00am M, Room TBA, STPAUL, 08/07/
15-01/08/16, instruction mode: Classroom; Conzemius,
Michael G, 3 cr

6448 Veterinary Oncology

(A-F)

10319 001 LEC, 10:00am-12:00pm F, Room TBA, STPAUL,
08/07/15-01/08/16, 01:00pm-02:00pm MT, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am W, Room
TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:00pm
MF, Room TBA, STPAUL, 08/07/15-01/08/16,
01:00pm-02:00pm M, Room TBA, STPAUL, 08/07/15-01/
08/16, 01:00pm-03:00pm Th, Room TBA, STPAUL, 08/07/
15-01/08/16, 01:00pm-02:00pm M, Room TBA, STPAUL,
08/07/15-01/08/16, 01:00pm-03:00pm T, Room TBA,
STPAUL, 08/07/15-01/08/16, 01:00pm-02:00pm F, Room
TBA, STPAUL, 08/07/15-01/08/16, 09:00am-10:00am
M, Room TBA, STPAUL, 08/07/15-01/08/16,
03:00pm-05:00pm TW, Room TBA, STPAUL, 08/07/15-01/
08/16, 01:00pm-02:00pm TF, Room TBA, STPAUL, 08/07/
15-01/08/16, 01:00pm-02:00pm F, Room TBA, STPAUL,
08/07/15-01/08/16, 08:00am-10:00am M, Room TBA,
STPAUL, 08/07/15-01/08/16, instruction mode: Classroom;
Henson, Michael Scott, 2 cr

6451 Metabolic Disorders

(A-F; prereq DVM 3rd yr or instr consent)

10175 001 LEC, 03:00pm-05:00pm TWF, Room TBA,
STPAUL, 08/07/15-01/08/16, 03:00pm-05:00pm M, Room
TBA, STPAUL, 08/07/15-01/08/16, 03:00pm-05:00pm
Th, Room TBA, STPAUL, 08/07/15-01/08/16,
01:00pm-02:00pm MT, Room TBA, STPAUL, 08/
07/15-01/08/16, 01:00pm-02:00pm T, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am F, Room
TBA, STPAUL, 08/07/15-01/08/16, 03:00pm-05:00pm
W, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-10:00am F, Room TBA, STPAUL, 08/07/15-01/
08/16, 03:00pm-05:00pm T, Room TBA, STPAUL, 08/
07/15-01/08/16, 01:00pm-02:00pm M, Room TBA,
STPAUL, 08/07/15-01/08/16, 11:00am-12:00pm F, Room
TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:00pm
MTh, Room TBA, STPAUL, 08/07/15-01/08/16,
03:00pm-05:00pm T, Room TBA, STPAUL, 08/07/15-01/
08/16, 04:00pm-05:00pm W, Room TBA, STPAUL, 08/07/
15-01/08/16, 01:00pm-02:00pm M, Room TBA, STPAUL,
08/07/15-01/08/16, 01:00pm-02:00pm T, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am W, Room
TBA, STPAUL, 08/07/15-01/08/16, instruction mode:
Classroom; Patterson DVM, Ned, 2 cr

6472 Small Animal Infectious Diseases

(max crs 2; A-F)

10310 001 LEC, 08:00am-10:00am T, Room TBA, STPAUL,
08/07/15-01/08/16, 03:00pm-05:00pm W, Room TBA,

STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm
WTh, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-10:00am M, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-10:00am F, Room TBA, STPAUL, 08/07/
15-01/08/16, 01:00pm-03:00pm T, Room TBA, STPAUL,
08/07/15-01/08/16, 08:00am-10:00am T, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am Th, Room
TBA, STPAUL, 08/07/15-01/08/16, 08:00am-10:00am T,
Room TBA, STPAUL, 08/07/15-01/08/16, instruction mode:
Classroom; Lulich PhD, Jody P, 1 cr

6473 Large Animal Infectious Diseases

(max crs 2; A-F)

10309 001 LEC, 08:00am-10:00am TTh, Room TBA,
STPAUL, 08/07/15-01/08/16, 03:00pm-05:00pm
TTh, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-10:00am Th, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-10:00am Th, Room TBA, STPAUL, 08/07/
15-01/08/16, 08:00am-10:00am TTh, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm MTh, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am M, Room
TBA, STPAUL, 08/07/15-01/08/16, instruction mode:
Classroom; Firshman, Anna May, 1 cr

6474 Hematologic and Immunologic

Disorders

(max crs 2; A-F)

10308 001 LEC, 01:00pm-03:00pm TF, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm MT, Room TBA,
STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm W, Room
TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm
Th, Room TBA, STPAUL, 08/07/15-01/08/16,
03:00pm-05:00pm T, Room TBA, STPAUL, 08/07/15-01/
08/16, 01:00pm-03:00pm W, Room TBA, STPAUL, 08/07/
15-01/08/16, 01:00pm-03:00pm Th, Room TBA, STPAUL,
08/07/15-01/08/16, 08:00am-10:00am T, Room TBA,
STPAUL, 08/07/15-01/08/16, instruction mode: Classroom;
Firshman, Anna May, 1 cr

6482 Small Animal Theriogenology

(max crs 2; A-F; prereq 3rd yr DVM or instr consent)

10163 001 LEC, 03:00pm-05:00pm T, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm MW, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am W, Room
TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm
Th, Room TBA, STPAUL, 08/07/15-01/08/16,
01:00pm-03:00pm MT, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-10:00am F, Room TBA, STPAUL, 08/07/
15-01/08/16, instruction mode: Classroom; Root Kustritz,
Margaret Viola, 1 cr

6483 Theriogenology Diagnostic

Techniques

(S-N; prereq 3rd yr DVM or instr consent)

10197 001 LEC, 08:00am-10:00am TF, Room TBA, STPAUL,
08/07/15-01/08/16, 01:00pm-03:00pm T, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am W, Room
TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm
Th, Room TBA, STPAUL, 08/07/15-01/08/16,
03:00pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-10:00am M, Room TBA, STPAUL, 08/07/
15-01/08/16, instruction mode: Classroom; Madill, Scott, 1
cr

6500 Veterinary Public Health and

Regulatory Medicine

(max crs 2; S-N; prereq DVM 3rd or 4th yr or grad
student or instr consent)

10215 012 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 09/28/15-10/11/15, instruction mode: Classroom;
week 1; Minicucci, Larissa A, 1 cr
10209 015 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 11/09/15-11/13/15, instruction mode: Classroom;
Minicucci, Larissa A, 1 cr

6502 Necropsy

(max crs 40; 20 repeats allowed; S-N; prereq DVM 3rd
or 4th yr or instr consent)

10216 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction
mode: Classroom; Wuenschmann, Arno, 2 cr
10346 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; Wuenschmann, Arno, 2 cr
10347 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction
mode: Classroom; Wuenschmann, Arno, 2 cr
10356 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, 08/07/
15-01/08/16, instruction mode: Classroom; Wuenschmann,
Arno, 2 cr
10415 015 ROT MTWThF, . NOROOMREQD, 11/09/15-11/
22/15, instruction mode: Classroom; Wuenschmann, Arno,
2 cr

10381 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction
mode: Classroom; Wuenschmann, Arno, 2 cr
10382 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction
mode: Classroom; Wuenschmann, Arno, 2 cr
10360 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction
mode: Classroom; Wuenschmann, Arno, 2 cr

6505 Topics

(max crs 160; 20 repeats allowed)

10176 001 LEC, instruction mode: Classroom; Root Kustritz,
Margaret Viola, 0.25-8 cr
10313 002 LEC, 08/07/15-01/08/16, instruction mode:
Classroom, 0.25-8 cr
10314 003 LEC, 08/07/15-01/08/16, instruction mode:
Classroom, 0.25-8 cr
10315 004 LEC, 08/07/15-01/08/16, instruction mode:
Classroom, 0.25-8 cr
10355 005 LEC, 08/07/15-01/08/16, instruction mode:
Classroom, 0.25-8 cr

6506 Directed Studies in Large Animal

Medicine (DistL)

(max crs 40; 20 repeats allowed; prereq DVM 4th yr or
instr consent)

10250 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10251 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10252 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10253 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10254 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10255 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10256 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10257 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10372 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr

6507 Directed Studies in Small Animal

Medicine (DistS)

(max crs 40; 20 repeats allowed; S-N only; prereq DVM
4th yr or instr consent)

10260 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10261 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10262 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10263 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10264 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10265 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10266 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10267 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10373 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr

6508 Directed Studies: Pathobiology

(DistB)

(max crs 40; 20 repeats allowed; S-N only; prereq DVM
4th yr or instr consent)

10268 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr

10269 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10270 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10271 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10272 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10273 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10274 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10275 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10368 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr

6509 Directed Studies: Diagnostic

Medicine (DistD)

(max crs 40; 20 repeats allowed; S-N only; prereq DVM
4th yr or instr consent)

10242 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10243 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10244 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10245 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10246 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10247 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10248 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10249 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10369 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction
mode: Classroom; Molgaard, Laura Kay, 1-2 cr

6510 MPH Project: PHP

(max crs 9; 3 repeats allowed; S-N; prereq DVM student
or instr consent)

10276 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction
mode: Classroom; Minicucci, Larissa A, 1-3 cr
10277 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; Minicucci, Larissa A, 1-3 cr
10278 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction
mode: Classroom; Minicucci, Larissa A, 1-3 cr
10279 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction
mode: Classroom; Minicucci, Larissa A, 1-3 cr
10280 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction
mode: Classroom; Minicucci, Larissa A, 1-3 cr
10281 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction
mode: Classroom; Minicucci, Larissa A, 1-3 cr
10282 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction
mode: Classroom; Minicucci, Larissa A, 1-3 cr
10283 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction
mode: Classroom; Minicucci, Larissa A, 1-3 cr
10366 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction
mode: Classroom; Minicucci, Larissa A, 1-3 cr

6511 Exotic Animal Medicine Rotation

(A-F)

10351 013 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 10/12/15-10/25/15, instruction mode: Classroom;
Wuenschmann, Arno, 2 cr

6512 Zoo and Wildlife Rounds

(max crs 3; 6 repeats allowed; S-N only)

10354 !001 DIS, 05:30pm-08:30pm W, VetDL 280, STPAUL, 08/07/15-01/08/16, 05:30pm-08:30pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 05:30pm-08:30pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 05:30pm-08:30pm W, Room TBA, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Wuenschmann, Arno, 0.50 cr

6515 Externship (Extern)

(max crs 24; 12 repeats allowed; S-N only; prereq DVM 3rd or 4th yr or instr consent)

10226 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10227 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10228 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10229 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10230 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10231 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10232 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10233 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10375 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr

6516 Field Experience in Public Health Practice

(Credit will not be granted if credit has been received for: PUBH 7296; max crs 24; 3 repeats allowed; S-N; prereq DVM student or instr consent)

10154 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Minicucci, Larissa A, 0.05-8 cr
10155 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Minicucci, Larissa A, 0.05-8 cr
10156 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Minicucci, Larissa A, 0.05-8 cr
10157 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Minicucci, Larissa A, 0.05-8 cr
10158 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Minicucci, Larissa A, 0.05-8 cr
10159 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Minicucci, Larissa A, 0.05-8 cr
10160 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Minicucci, Larissa A, 0.05-8 cr
10161 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Minicucci, Larissa A, 0.05-8 cr
10367 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction mode: Classroom; Minicucci, Larissa A, 0.05-8 cr

6519 Wildlife Rehabilitation Center

Summer Internship

(A-F; prereq DVM student)

10211 001 FWK, instruction mode: Classroom, 0.10 cr

6520 Advanced Small Animal

Therigenology

(A-F)

10424 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Root Kustritz, Margaret Viola, 1 cr
10425 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Root Kustritz, Margaret Viola, 1 cr

6525 Rotation at Other Institution (RAOI)

(max crs 40; 20 repeats allowed; S-N only; prereq DVM 4th yr or instr consent)

10234 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10235 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr

10236 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10237 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10238 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10239 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10240 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10241 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr
10388 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction mode: Classroom; Molgaard, Laura Kay, 1-2 cr

6528 Radiology Rotation at Other

Institution

(max crs 4; prereq DVM 3rd or 4th year or instr consent)

10326 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Molgaard, Laura Kay, 2 cr
10327 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Molgaard, Laura Kay, 2 cr
10328 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Molgaard, Laura Kay, 2 cr
10329 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Molgaard, Laura Kay, 2 cr
10330 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Molgaard, Laura Kay, 2 cr
10331 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Molgaard, Laura Kay, 2 cr
10332 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Molgaard, Laura Kay, 2 cr
10333 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Molgaard, Laura Kay, 2 cr
10387 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction mode: Classroom; Molgaard, Laura Kay, 2 cr

6532 Clinical Laboratory Medicine (Labs)

(max crs 4; A-F; prereq DVM 3rd or 4th yr or instr consent)

10307 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Overmann, Jed A, 2 cr

6601 Small Animal Internal Medicine: (SAM

A)

(max crs 4; prereq DVM 3rd or 4th yr or instr consent)

10201 010 ROT, 08:00am-05:00pm MTWThFSSU, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Polzin, David J, 2 cr
10212 011 ROT, 08:00am-05:00pm MTWThFSSU, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Polzin, David J, 2 cr
10214 012 ROT, 08:00am-05:00pm MTWThFSSU, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Polzin, David J, 2 cr
10222 013 ROT, 08:00am-05:00pm MTWThFSSU, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Polzin, David J, 2 cr
10221 014 ROT, 08:00am-05:00pm MTWThFSSU, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Polzin, David J, 2 cr
10220 015 ROT, 08:00am-05:00pm MTWThFSSU, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Polzin, David J, 2 cr
10219 016 ROT, 08:00am-05:00pm MTWThFSSU, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Polzin, David J, 2 cr
10218 017 ROT, 08:00am-05:00pm MTWThFSSU, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Polzin, David J, 2 cr
10362 018 ROT, 08:00am-06:00pm MTWThFS, .
NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction mode: Classroom; Polzin, David J, 2 cr

6602 Small Animal Internal Medicine: (SAM

B)

(max crs 52; 26 repeats allowed; prereq [6601, [DVM 3rd or 4th yr]] or instr consent)

10165 010 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Polzin, David J, 2 cr
10166 011 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Polzin, David J, 2 cr
10167 012 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Polzin, David J, 2 cr
10168 013 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Polzin, David J, 2 cr
10169 014 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Polzin, David J, 2 cr
10170 015 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Polzin, David J, 2 cr
10186 016 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Polzin, David J, 2 cr
10334 017 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Polzin, David J, 2 cr
10363 018 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 12/21/15-01/03/16, instruction mode: Classroom; Polzin, David J, 2 cr

6605 Banfield Elective Clinical Rotation

(max crs 4; A-F)

10028 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Lee, David E, 2 cr
10029 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Lee, David E, 2 cr
10030 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Lee, David E, 2 cr
10031 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Lee, David E, 2 cr
10032 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Lee, David E, 2 cr
10033 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Lee, David E, 2 cr
10034 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Lee, David E, 2 cr
10035 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Lee, David E, 2 cr
10036 018 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Goldstein DVM, Gary S, 2 cr

6609 Emergency/Critical Care (ECC)

(max crs 4; A-F; prereq Sr)

10001 010 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Tart, Kelly, 2 cr
10002 011 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Tart, Kelly, 2 cr
10003 012 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Tart, Kelly, 2 cr
10004 013 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Tart, Kelly, 2 cr
10005 014 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Tart, Kelly, 2 cr
10006 015 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Tart, Kelly, 2 cr
10007 016 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Tart, Kelly, 2 cr
10008 017 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Tart, Kelly, 2 cr
10009 018 ROT, 12/21/15-01/03/16, instruction mode: Classroom; Tart, Kelly, 2 cr

6630 Behavior (Beha)

(max crs 8; 4 repeats allowed; prereq DVM [3rd or 4th yr] or grad student or instr consent)

10151 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Duxbury DVM, Margaret Maxeiner, 2 cr
10379 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Duxbury DVM, Margaret Maxeiner, 2 cr

10152 014 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Duxbury DVM, Margaret Maxeiner, 2 cr
 10358 015 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Duxbury DVM, Margaret Maxeiner, 2 cr
 10153 016 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Duxbury DVM, Margaret Maxeiner, 2 cr

6632 Dermatology (Derm)

(max crs 20; 10 repeats allowed; prereq DVM 3rd or 4th yr or instr consent)

10101 011 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Koch DVM, Sandra Nogueira, 2 cr
 10103 013 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Torres, Sheila Mello, 2 cr
 10426 015 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Torres, Sheila Mello, 2 cr
 10106 017 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Koch DVM, Sandra Nogueira, 2 cr

6634 Comparative Ophthalmology (Ophth)

(max crs 40; 20 repeats allowed; prereq DVM 3rd or 4th yr or instr consent)

10359 010 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Henriksen, Michala de Linde, 2 cr
 10198 011 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Lim, Christine C, 2 cr
 10416 012 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Henriksen, Michala de Linde, 2 cr
 10383 013 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Lim, Christine C, 2 cr
 10384 014 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Henriksen, Michala de Linde, 2 cr
 10217 015 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Lim, Christine C, 2 cr
 10396 016 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Henriksen, Michala de Linde, 2 cr
 10397 017 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Lim, Christine C, 2 cr
 10417 018 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction mode: Classroom; Henriksen, Michala de Linde, 2 cr

6636 Cardiology (Card)

(max crs 40; 20 repeats allowed; prereq DVM 4th yr or CVM grad or instr consent)

10111 010 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Stauthammer DVM, Christopher Del, 2 cr
 10065 011 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Stauthammer DVM, Christopher Del, 2 cr
 10066 012 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Stauthammer DVM, Christopher Del, 2 cr
 10067 013 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Stauthammer DVM, Christopher Del, 2 cr
 10068 014 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Stauthammer DVM, Christopher Del, 2 cr
 10069 015 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Stauthammer DVM, Christopher Del, 2 cr
 10070 016 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Stauthammer DVM, Christopher Del, 2 cr
 10071 017 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Stauthammer DVM, Christopher Del, 2 cr

6644 General Practice (GenP)

(max crs 40; 20 repeats allowed; prereq DVM 3rd or 4th yr or instr consent)

10109 010 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Lowum, Susan E, 2 cr
 10090 011 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Lowum, Susan E, 2 cr
 10091 012 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Lowum, Susan E, 2 cr
 10092 013 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Lowum, Susan E, 2 cr
 10093 014 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Lowum, Susan E, 2 cr
 10094 015 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Lowum, Susan E, 2 cr
 10095 016 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Lowum, Susan E, 2 cr
 10096 017 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Lowum, Susan E, 2 cr
 10097 018 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 12/21/15-01/03/16, instruction mode: Classroom; Lowum, Susan E, 2 cr

6648 Advanced Clinical Oncology Rotation

(max crs 4; prereq DVM 3rd or 4th yr or grad student or instr consent)

10112 010 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Borgatti, Antonella Maria Daniela, 2 cr
 10057 011 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Borgatti, Antonella Maria Daniela, 2 cr
 10413 012 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Borgatti, Antonella Maria Daniela, 2 cr
 10059 014 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Borgatti, Antonella Maria Daniela, 2 cr
 10060 015 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Borgatti, Antonella Maria Daniela, 2 cr
 10061 016 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Borgatti, Antonella Maria Daniela, 2 cr
 10062 017 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Borgatti, Antonella Maria Daniela, 2 cr
 10063 018 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction mode: Classroom; Borgatti, Antonella Maria Daniela, 2 cr

6651 Small Animal Ultrasound (SAUS)

(max crs 8; 4 repeats allowed; A-F; prereq 3rd or 4th yr DVM or instr consent)

10023 011 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Anderson, Kari L, 2 cr
 10024 013 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Anderson, Kari L, 2 cr
 10025 015 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Anderson, Kari L, 2 cr
 10026 017 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Anderson, Kari L, 2 cr

6661 Neurology (Neur)

(max crs 4; prereq 3rd or 4th yr DVM or instr consent)

10182 010 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Mc Vey, Alistair Stuart, 2 cr
 10183 011 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Mc Vey, Alistair Stuart, 2 cr
 10303 012 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Mc Vey, Alistair Stuart, 2 cr
 10184 013 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Mc Vey, Alistair Stuart, 2 cr
 10295 014 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Mc Vey, Alistair Stuart, 2 cr
 10421 015 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Mc Vey, Alistair Stuart, 2 cr
 10422 017 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Mc Vey, Alistair Stuart, 2 cr

6662 Comparative Anesthesiology (Anes)

(max crs 4; A-F; prereq DVM 3rd or 4th yr)
 10037 010 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Carvalho de Almeida, Daniel, 2 cr
 10038 011 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Carvalho de Almeida, Daniel, 2 cr
 10039 012 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Carvalho de Almeida, Daniel, 2 cr
 10040 013 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Carvalho de Almeida, Daniel, 2 cr
 10041 014 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Carvalho de Almeida, Daniel, 2 cr
 10042 015 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Carvalho de Almeida, Daniel, 2 cr
 10043 016 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Carvalho de Almeida, Daniel, 2 cr
 10044 017 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Carvalho de Almeida, Daniel, 2 cr

6663 Small Animal Surgery (SAS)

(max crs 8; 4 repeats allowed; prereq DVM 3rd or 4th yr or instr consent)

10418 010 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Pluhar, Liz, 2 cr
 10138 012 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Pluhar, Liz, 2 cr
 10139 014 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Pluhar, Liz, 2 cr
 10140 015 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Pluhar, Liz, 2 cr
 10141 016 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Pluhar, Liz, 2 cr
 10142 017 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Pluhar, Liz, 2 cr
 10143 018 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/21/15-01/03/16, instruction mode: Classroom; Pluhar, Liz, 2 cr

6664 University of Minnesota: Spay and Neuter (UMSN)

(max crs 10; 5 repeats allowed; prereq DVM 3rd or 4th yr or instr consent)

10400 010 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Swanson, Jonna Elizabeth, 2 cr
 10087 011 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Swanson, Jonna Elizabeth, 2 cr
 10088 013 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Swanson, Jonna Elizabeth, 2 cr
 10411 014 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Swanson, Jonna Elizabeth, 2 cr
 10089 015 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Swanson, Jonna Elizabeth, 2 cr
 10412 017 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Swanson, Jonna Elizabeth, 2 cr

6665 Small Animal Physical Rehabilitation

(max crs 4; A-F)

10370 010 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; LaFond DVM, Liz, 2 cr
 10371 011 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; LaFond DVM, Liz, 2 cr
 10320 012 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; LaFond DVM, Liz, 2 cr
 10284 013 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; LaFond DVM, Liz, 2 cr
 10321 014 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; LaFond DVM, Liz, 2 cr
 10322 015 ROT, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; LaFond DVM, Liz, 2 cr
 10285 016 ROT, 08:00am-05:00pm MTWThF, .
 NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; LaFond DVM, Liz, 2 cr

10323 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction
mode: Classroom; LaFond DVM, Liz, 2 cr

6668 Small Animal Radiology (RAD)

(max crs 4; A-F; prereq DVM 3rd or 4th yr or instr consent)

10015 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction
mode: Classroom; Anderson, Kari L., 2 cr
10016 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction
mode: Classroom; Anderson, Kari L., 2 cr
10017 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction
mode: Classroom; Anderson, Kari L., 2 cr
10018 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction
mode: Classroom; Anderson, Kari L., 2 cr
10019 017 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction
mode: Classroom; Anderson, Kari L., 2 cr

6669 Radiology: Mixed Animal

(max crs 4; A-F; prereq DVM 3rd or 4th yr or instr consent)

10118 011 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 09/14/15-09/27/15, instruction mode: Classroom;
Anderson, Kari L., 2 cr
10119 012 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 09/28/15-10/11/15, instruction mode: Classroom;
Anderson, Kari L., 2 cr
10120 013 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 10/12/15-10/25/15, instruction mode: Classroom;
Anderson, Kari L., 2 cr

6691 Veterinary Acupuncture (AcPunct)

(max crs 6; 3 repeats allowed; prereq [6690, [yr 3 or 4 DVM]] or instr consent)

10146 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; Choi, K. Hwa, 2 cr
10147 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction
mode: Classroom; Choi, K. Hwa, 2 cr
10148 013 ROT, 08/07/15-01/08/16, instruction mode:
Classroom, 2 cr
10149 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction
mode: Classroom; Choi, K. Hwa, 2 cr
10150 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction
mode: Classroom; Choi, K. Hwa, 2 cr

6702 Large Animal Palpation Labs

(S-N; prereq DVM or instr consent)

10185 001 LEC, 02:00pm-05:00pm MF, Room TBA, STPAUL,
08/07/15-01/08/16, 02:00pm-05:00pm MF, Room TBA,
STPAUL, 08/07/15-01/08/16, 02:00pm-05:00pm F, Room
TBA, STPAUL, 08/07/15-01/08/16, 02:00pm-05:00pm
MF, Room TBA, STPAUL, 08/07/15-01/08/16,
02:00pm-05:00pm MF, Room TBA, STPAUL, 08/07/15-01/
08/16, 02:00pm-05:00pm F, Room TBA, STPAUL, 08/07/
15-01/08/16, 02:00pm-05:00pm MF, Room TBA, STPAUL,
08/07/15-01/08/16, 02:00pm-05:00pm M, Room TBA,
STPAUL, 08/07/15-01/08/16, 02:00pm-05:00pm M, Room
TBA, STPAUL, 08/07/15-01/08/16, instruction mode:
Classroom; Chebel, Ricardo C, 2 cr

6704 Reproductive Diseases of Cattle

(max crs 6; 3 repeats allowed; A-F only; prereq 3rd yr DVM or instr consent)

10177 001 LEC, 01:00pm-03:00pm T, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm ThF, Room
TBA, STPAUL, 08/07/15-01/08/16, 03:00pm-05:00pm
Th, Room TBA, STPAUL, 08/07/15-01/08/16,
03:00pm-05:00pm T, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-10:00am W, Room TBA, STPAUL,
08/07/15-01/08/16, 10:00am-12:00pm F, Room TBA,
STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm W, Room
TBA, STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm
W, Room TBA, STPAUL, 08/07/15-01/08/16,
01:00pm-02:00pm F, Room TBA, STPAUL, 08/07/15-01/
08/16, 11:00am-12:00pm M, Room TBA, STPAUL, 08/07/
15-01/08/16, 10:00am-12:00pm T, Room TBA, STPAUL,
08/07/15-01/08/16, 01:00pm-03:00pm F, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am T, Room
TBA, STPAUL, 08/07/15-01/08/16, instruction mode:
Classroom; Chebel, Ricardo C, 2 cr

6711 Large Animal Medicine (LAM)

(max crs 8; 4 repeats allowed; prereq DVM 3rd or 4th yr or instr consent)

10189 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction
mode: Classroom; McCue, Molly Elizabeth, 2 cr

10190 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; McCue, Molly Elizabeth, 2 cr

10191 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction
mode: Classroom; McCue, Molly Elizabeth, 2 cr
10192 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction
mode: Classroom; McCue, Molly Elizabeth, 2 cr
10193 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction
mode: Classroom; McCue, Molly Elizabeth, 2 cr
10194 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction
mode: Classroom; McCue, Molly Elizabeth, 2 cr
10225 016 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction
mode: Classroom; McCue, Molly Elizabeth, 2 cr
10306 017 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 12/07/15-12/20/15, instruction mode: Classroom;
McCue, Molly Elizabeth, 2 cr

6712 Equine Ambulatory Rotation

(max crs 4; A-F)

10289 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction
mode: Classroom; Kuhle DVM, Kerry J., 2 cr
10290 011 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction
mode: Classroom; Kuhle DVM, Kerry J., 2 cr
10291 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction
mode: Classroom; Kuhle DVM, Kerry J., 2 cr
10292 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction
mode: Classroom; Kuhle DVM, Kerry J., 2 cr

6715 Large Animal Surgery and Lameness

(max crs 10; 5 repeats allowed; prereq 3rd or 4th yr DVM student or instr consent)

10128 010 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 08/31/15-09/13/15, instruction mode: Classroom;
Trent, Ava M, 2 cr
10129 011 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 09/14/15-09/27/15, instruction mode: Classroom;
Trent, Ava M, 2 cr
10130 012 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 09/28/15-10/11/15, instruction mode: Classroom;
Trent, Ava M, 2 cr
10131 013 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 10/12/15-10/25/15, instruction mode: Classroom;
Trent, Ava M, 2 cr
10132 014 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 10/26/15-11/08/15, instruction mode: Classroom;
Trent, Ava M, 2 cr
10133 015 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 11/09/15-11/22/15, instruction mode: Classroom;
Trent, Ava M, 2 cr
10134 016 ROT, 08:00am-05:00pm MTWTh, Room TBA,
STPAUL, 11/23/15-12/06/15, instruction mode: Classroom;
Trent, Ava M, 2 cr
10135 017 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 12/07/15-12/20/15, instruction mode: Classroom;
Trent, Ava M, 2 cr
10136 018 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 12/21/15-01/03/16, instruction mode: Classroom;
Trent, Ava M, 2 cr

6721 Large Animal Neonatology

(max crs 2; S-N only)

10172 001 DIS, 08:00am-10:00am F, Room TBA,
STPAUL, 08:00am-10:00am M, Room TBA,
STPAUL, 02:00pm-04:00pm T, Room TBA,
STPAUL, 01:00pm-05:00pm F, Room TBA, STPAUL,
01:00pm-05:00pm M, Room TBA, STPAUL, instruction
mode: Classroom; Ward, Christie; Madill, Scott, 1 cr

6727 Equine Palpation

(S-N; prereq DVM or instr consent)

10178 001 LAB, 02:00pm-05:00pm MF, Room TBA, STPAUL,
08/07/15-01/08/16, 02:00pm-05:00pm M, Room TBA,
STPAUL, 08/07/15-01/08/16, 02:00pm-05:00pm M, Room
TBA, STPAUL, 08/07/15-01/08/16, 02:00pm-05:00pm MF,
Room TBA, STPAUL, 08/07/15-01/08/16, instruction mode:
Classroom; Madill, Scott, 1 cr

6728 Reproductive Diseases of the Horse

(A-F only; prereq DVM 3rd yr or instr consent)

10180 001 LEC, 08:00am-10:00am M, Room TBA,
STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm M, Room
TBA, STPAUL, 08/07/15-01/08/16, 03:00pm-05:00pm
Th, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-10:00am M, Room TBA, STPAUL, 08/07/15-01/
08/16, 08:00am-10:00am M, Room TBA, STPAUL, 08/07/
15-01/08/16, 01:00pm-03:00pm T, Room TBA, STPAUL,
08/07/15-01/08/16, 01:00pm-03:00pm W, Room TBA,

STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm T, Room
TBA, STPAUL, 08/07/15-01/08/16, instruction mode:
Classroom; Madill, Scott, 1 cr

6732 Equine Dentistry and Preventative Medicine

(max crs 4; A-F; prereq 3rd or 4th yr DVM or instr consent ; intended for equine track or mixed track students)

10296 013 ROT, 08/07/15-01/08/16, instruction mode:
Classroom, 2 cr

6733 Equine Dentistry and Nutrition

(max crs 4; A-F)

10122 013 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction
mode: Classroom; Wefel DVM, Sara, 2 cr

6737 Equine Sports Medicine

(S-N only; prereq 6736)

10423 015 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction
mode: Classroom; Firshman, Anna May, 2 cr

6752 Advanced Equine Elective I

(A-F; prereq Veterinary core curriculum for Advanced Equine Elective 1)

10311 001 LAB, 01:00pm-02:00pm W, Room TBA,
STPAUL, 08/07/15-01/08/16, 02:00pm-06:00pm W, Room
TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm
Th, Room TBA, STPAUL, 08/07/15-01/08/16,
03:00pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/
08/16, 01:00pm-02:00pm Th, Room TBA, STPAUL, 08/07/
15-01/08/16, 02:00pm-06:00pm Th, Room TBA, STPAUL,
08/07/15-01/08/16, 01:00pm-02:00pm M, Room TBA,
STPAUL, 08/07/15-01/08/16, 01:00pm-04:00pm T, Room
TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-04:00pm
W, Room TBA, STPAUL, 08/07/15-01/08/16,
03:00pm-05:00pm Th, Room TBA, STPAUL, 08/07/15-01/
08/16, 11:00am-12:00pm F, Room TBA, STPAUL, 08/07/
15-01/08/16, 10:00am-12:00pm F, Room TBA, STPAUL,
08/07/15-01/08/16, 03:00pm-05:00pm F, Room TBA,
STPAUL, 08/07/15-01/08/16, 08:00am-10:00am W, Room
TBA, STPAUL, 08/07/15-01/08/16, instruction mode:
Classroom; Malone, Erin; Trent, Ava M, 1 cr

6792 Small Ruminant Health and Production Rotation (SmRu)

(max crs 4; prereq DVM 3rd or 4th yr or instr consent)

10420 010 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction
mode: Classroom; Goplen, Ann Elizabeth; Wolf, Cynthia B,
2 cr
10223 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction
mode: Classroom; Goplen, Ann Elizabeth; Wolf, Cynthia B,
2 cr

6793 Small Ruminant Reproduction

(A-F only; prereq 3rd yr DVM or instr consent)

10188 001 LEC, 10:00am-12:00pm TF, Room TBA,
STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm W, Room
TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm
W, Room TBA, STPAUL, 08/07/15-01/08/16,
08:00am-10:00am F, Room TBA, STPAUL, 08/07/15-01/
08/16, 03:00pm-05:00pm MT, Room TBA, STPAUL, 08/07/
15-01/08/16, 12:30pm-04:30pm W, Room TBA, STPAUL,
08/07/15-01/08/16, instruction mode: Classroom; Wolf,
Cynthia B, 1 cr

6794 Camelid Medicine, Surgery, Reproduction, and Health Management

(max crs 4; A-F; prereq 3rd or 4th yr DVM or instr consent)

10419 012 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction
mode: Classroom; Wolf, Cynthia B; Goplen, Ann Elizabeth,
2 cr
10047 016 ROT, 08:00am-05:00pm MTWThF, Room TBA,
STPAUL, 11/23/15-12/06/15, instruction mode: Classroom;
Wolf, Cynthia B; Goplen, Ann Elizabeth, 2 cr

6796 Beef Production Systems Medicine:

Feedlot

(max crs 4; A-F; prereq DVM 3rd or 4th yr student or instr consent)

10352 014 ROT, 08:00am-05:00pm MTWThF, .
NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction
mode: Classroom; Goldsmith, Timothy Joseph, 2 cr

6800 Bovine Palpation

(S-N; prereq DVM or instr consent)

10179 001 LAB, 02:00pm-05:00pm MF, Room TBA, STPAUL,
08/07/15-01/08/16, 02:00pm-05:00pm MF, Room TBA,

STPAUL, 08/07/15-01/08/16, 02:00pm-05:00pm M, Room TBA, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Chebel, Ricardo C, 1 cr

6804 Bovine Surgery

(max crs 4; prereq DVM 3rd or 4th yr or instr consent) 10064 017 ROT, 08:00am-05:00pm MTWThFS, Room TBA, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Malone, Erin, 2 cr

6806 Food Animal Disease and Diagnostics

(max crs 4; prereq 3rd or 4th yr DVM student or instr consent) 10046 011 ROT, 08/07/15-01/08/16, instruction mode: Classroom, 2 cr

6811 Dairy Theriogenology and Lameness (DT&L)

(max crs 20; 10 repeats allowed; prereq DVM 3rd or 4th yr or instr consent) 10386 010 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Cramer, Gerard, 2 cr 10374 015 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Cramer, Gerard, 2 cr 10164 017 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 12/07/15-12/20/15, instruction mode: Classroom; Cramer, Gerard, 2 cr

6813 Miracle of Birth

(max crs 4; A-F; prereq 3rd or 4th yr DVM or instr consent) 10427 010 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Pieters, Maria, 1 cr

6821 Dairy on Farm Clinical (DOFC)

(max crs 12; 6 repeats allowed; A-F; prereq 3rd or 4th yr DVM student or instr consent) 10336 016 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Fetrow, John, 2 cr

6828 Dairy Production Medicine 3

(max crs 4; prereq 6818, 6826, 6827, [3rd or 4th yr DVM or instr consent]) 10286 012 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Fetrow, John, 2 cr

6829 Dairy Production Medicine 4

(max crs 4; prereq [6818, 6826, 6827, 6728, [3rd or 4th yr DVM]] or instr consent) 10287 013 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Fetrow, John, 2 cr

6831 Overview of Dairy Production

Medicine (A-F)
10389 017 ROT, 08/07/15-01/08/16, instruction mode: Classroom, 2 cr

6835 Food Animal Medicine Directed Studies

(max crs 27; 3 repeats allowed; A-F; prereq Submission of proposal, faculty member approval) 10337 010 IND, 08:00am-05:00pm MTWThFS, Room TBA, TCEASTBANK, instruction mode: Independent/Directed Studies; Molitor, Thomas William, 0.50-9 cr 10338 011 IND, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, instruction mode: Independent/Directed Studies; Molitor, Thomas William, 0.50-9 cr 10339 012 IND, 08:00am-05:00pm MTWThFS, Room TBA, STPAUL, instruction mode: Independent/Directed Studies; Molitor, Thomas William, 0.50-9 cr 10340 013 IND, 08:00am-05:00pm MTWThFS, Room TBA, STPAUL, instruction mode: Independent/Directed Studies; Molitor, Thomas William, 0.50-9 cr 10341 014 IND, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, instruction mode: Independent/Directed Studies; Molitor, Thomas William, 0.50-9 cr 10342 015 IND, 08:00am-05:00pm MTWThFS, Room TBA, STPAUL, instruction mode: Independent/Directed Studies; Molitor, Thomas William, 0.50-9 cr 10343 016 IND, 08:00am-05:00pm MTWThF, Room TBA, STPAUL, instruction mode: Independent/Directed Studies; Molitor, Thomas William, 0.50-9 cr 10344 017 IND MTWThF, Room TBA, STPAUL, 08/07/15-01/08/16, instruction mode: Independent/Directed Studies; Molitor, Thomas William, 0.50-9 cr

6842 Swine Disease Diagnostics, Therapeutics, and Prevention (SDxT)

(max crs 4; prereq DVM 3rd or 4th yr or instr consent) 10380 010 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Snider, Tim; Pieters, Maria, 2 cr

6854 Introduction to Swine Health and Production

(max crs 12; 6 repeats allowed) 10399 010 ROT, 08/07/15-01/08/16, instruction mode: Classroom, 2 cr

6856 Advanced Swine Health and Production

(max crs 12; 6 repeats allowed) 10027 011 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Morrison, Robert Barclay, 2 cr

6882 Companion Birds (Comb)

(max crs 4; prereq DVM 3rd or 4th yr or instr consent) 10297 011 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 09/14/15-09/27/15, instruction mode: Classroom; Redig, Patrick Thomas; Ponder DVM, Julia, 2 cr

6883 Raptor Center

(max crs 4; prereq 6497, DVM 3rd or 4th yr, instr consent) 10123 010 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 08/31/15-09/13/15, instruction mode: Classroom; Willette, Michelle Marie, 2 cr 10124 012 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 09/28/15-10/11/15, instruction mode: Classroom; Willette, Michelle Marie, 2 cr 10125 013 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 10/12/15-10/25/15, instruction mode: Classroom; Willette, Michelle Marie, 2 cr 10126 014 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 10/26/15-11/08/15, instruction mode: Classroom; Willette, Michelle Marie, 2 cr 10127 015 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 11/09/15-11/22/15, instruction mode: Classroom; Willette, Michelle Marie, 2 cr 10414 016 ROT, 08:00am-05:00pm MTWThF, . NOROOMREQD, STPAUL, 11/23/15-12/06/15, instruction mode: Classroom; Willette, Michelle Marie, 2 cr

6900 Microscopic Anatomy

(A-F) 10390 011 LEC, 09:00am-12:00pm TTh, Room TBA, STPAUL, 08/07/15-01/08/16, 08:00am-09:00am M, Room TBA, STPAUL, 08/07/15-01/08/16, 09:00am-12:00pm TTh, Room TBA, STPAUL, 08/07/15-01/08/16, 08:00am-09:00am Th, Room TBA, STPAUL, 08/07/15-01/08/16, 08:00am-11:00am T, Room TBA, STPAUL, 08/07/15-01/08/16, 09:00am-12:00pm TTh, Room TBA, STPAUL, 08/07/15-01/08/16, 09:00am-12:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 09:00am-12:00pm TTh, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm F, Room TBA, STPAUL, 08/07/15-01/08/16, 08:30am-11:30am T, Room TBA, STPAUL, 08/07/15-01/08/16, 08:00am-11:00am T, Room TBA, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Collister, John Peter, 4 cr

6901 Physiology I

(A-F) 10391 011 LEC, 09:00am-11:00am WF, Room TBA, STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm MWF, Room TBA, STPAUL, 08/07/15-01/08/16, 09:00am-11:00am MWF, Room TBA, STPAUL, 08/07/15-01/08/16, 08:00am-10:00am W, Room TBA, STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm F, Room TBA, STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm MF, Room TBA, STPAUL, 08/07/15-01/08/16, 09:00am-11:00pm MW, Room TBA, STPAUL, 08/07/15-01/08/16, 09:00am-12:00pm F, Room TBA, STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm MWF, Room TBA, STPAUL, 08/07/15-01/08/16, 09:00am-12:00pm MW, Room TBA, STPAUL, 08/07/15-01/08/16, 10:00am-12:00pm MWF, Room TBA, STPAUL, 08/07/15-01/08/16, 09:00am-11:00am M, Room TBA, STPAUL, 08/07/15-01/08/16, 08:30am-10:30am W, Room TBA, STPAUL, 08/07/15-01/08/16, 08:00am-09:00am F, Room TBA, STPAUL,

08/07/15-01/08/16, instruction mode: Classroom; Beitz, Al James, 5 cr

6902 Veterinary Biochemistry, Nutrition & Genetics

(A-F) 10392 001 LEC, 08:00am-09:00am MTWTF, Room TBA, STPAUL, 09:00am-10:00am F, Room TBA, STPAUL, 08:00am-09:00am MTWTF, Room TBA, STPAUL, 10:00am-11:00am W, Room TBA, STPAUL, 08:00am-10:00am F, Room TBA, STPAUL, 08:00am-09:00am MTWTF, Room TBA, STPAUL, 09:00am-10:00am MW, Room TBA, STPAUL, 11:00am-12:00pm T, Room TBA, STPAUL, 08:00am-09:00am MTW, Room TBA, STPAUL, 08:00am-09:00am TW, Room TBA, STPAUL, 08:00am-10:00am F, Room TBA, STPAUL, 08:00am-09:00am MVF, Room TBA, STPAUL, 11:00am-12:00pm T, Room TBA, STPAUL, 09:00am-10:00am Th, Room TBA, STPAUL, 09:00am-10:00am MW, Room TBA, STPAUL, 08:00am-09:00am T, Room TBA, STPAUL, 09:00am-12:00pm F, Room TBA, STPAUL, 09:00am-10:00am M, Room TBA, STPAUL, 08:00am-09:00am TW, Room TBA, STPAUL, 08:00am-10:00am F, Room TBA, STPAUL, 08:00am-09:00am TW, Room TBA, STPAUL, 08:00am-09:00am T, Room TBA, STPAUL, 09:00am-10:00am W, Room TBA, STPAUL, 08:00am-09:00am MT, Room TBA, STPAUL, 10:00am-12:00pm F, Room TBA, STPAUL, instruction mode: Classroom; Mickelson, James R, 3 cr

6903 Anatomy I

(A-F) 10393 011 LEC, 01:00pm-02:30pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm F, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm TW, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm TTh, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-05:00pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 01:30pm-04:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm WTh, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm M, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm M, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:00pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm TV, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm WTh, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-05:00pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:30pm-04:30pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm TW, Room TBA, STPAUL, 08/07/15-01/08/16, 01:30pm-04:00pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:30pm-04:00pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:30pm-04:00pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 01:30pm-04:00pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:00pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 01:30pm-04:00pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-03:00pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:30pm-04:00pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm T, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-05:00pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm WTh, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-04:00pm WTh, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-02:30pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 02:30pm-05:00pm W, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-05:00pm Th, Room TBA, STPAUL, 08/07/15-01/08/16, 01:00pm-01:30pm F, Room TBA, STPAUL, 08/07/15-01/08/16, 08:00am-10:00am M, Room TBA, STPAUL, 08/07/15-01/08/16, 09:00am-12:00pm M, Room TBA, STPAUL, 08/07/15-01/08/16, 08:30am-10:30am W, Room TBA, STPAUL, 08/07/15-01/08/16, 08:00am-09:00am F, Room TBA, STPAUL,

6904 Clinical Skills I

(max crs 2; S-N; prereq 1st year clinical skills course) 10394 001 LEC, 01:00pm-05:00pm TTh, Room TBA, STPAUL, 03:00pm-05:00pm Th, Room

STPAUL, 01:00pm-03:00pm M, Room TBA,
STPAUL, 08:00am-10:00am F, Room TBA,
STPAUL, 03:00pm-05:00pm T, Room TBA, STPAUL,
03:00pm-05:00pm M, Room TBA, STPAUL,
01:00pm-03:00pm M, Room TBA, STPAUL,
03:00pm-05:00pm M, Room TBA, STPAUL,
01:00pm-03:00pm T, Room TBA, STPAUL, instruction
mode: Classroom; Trent, Ava M, 1 cr

6933 Zoological Medicine (MNZM)

(max crs 20; 10 repeats allowed; prereq DVM 3rd or 4th yr or instr consent)

10349 010 ROT, 08:00am-04:50pm MTWThF, Room TBA, STPAUL, 08/07/15-01/08/16, instruction mode: Classroom; Rasmussen, James M, 2 cr
10298 011 ROT, 08/07/15-01/08/16, instruction mode: Classroom, 2 cr
10299 012 ROT, 08/07/15-01/08/16, instruction mode: Classroom, 2 cr
10300 013 ROT, 08/07/15-01/08/16, instruction mode: Classroom, 2 cr
10187 014 ROT, 08/07/15-01/08/16, instruction mode: Classroom, 2 cr
10208 015 ROT, 08/07/15-01/08/16, instruction mode: Classroom, 2 cr
10350 016 ROT, 08/07/15-01/08/16, instruction mode: Classroom, 2 cr
10364 018 ROT, 08/07/15-01/08/16, instruction mode: Classroom, 2 cr

6934 Selected Topics in Zoo Animal Medicine

(max crs 10; A-F; prereq [DVM 1st or 2nd yr] or instr consent)

10205 001 LEC, 03:00pm-05:00pm T, Room TBA, STPAUL, 03:00pm-05:00pm Th, Room TBA, STPAUL, 03:00pm-05:00pm T, Room TBA, STPAUL, 03:00pm-05:00pm W, Room TBA, STPAUL, 03:00pm-05:00pm M, Room TBA, STPAUL, 01:00pm-05:00pm M, Room TBA, STPAUL, 03:00pm-05:00pm M, Room TBA, STPAUL, instruction mode: Classroom; Trent, Ava M, 2 cr

VETERINARY MEDICINE, GRADUATE (VMed)

455 Veterinary Teaching Hospital, 1352 Boyd Ave, St Paul Campus, St Paul, MN, 55108
612/624-9227, <http://www.cvm.umn.edu>

5080 Problems in Veterinary Epidemiology and Public Health

(max crs 3; A-F only)

23943 001 IND, instruction mode: Classroom; Bender, Jeff Blaine, 1-3 cr

5101 Molecular and Cellular Basis of Nanoparticle Toxicity

(Credit will not be granted if credit has been received for: TXCL 5101; max crs 6; A-F only)

22875 001 LEC TTh, Room TBA, instruction mode: Classroom; Singh, Ashok K, 3 cr

5165 Surveillance of Foodborne Diseases and Food Safety Hazards

(Credit will not be granted if credit has been received for: PUBH 6181; prereq [PUBH 5330, [professional school or grad student]] or instr consent)

26269 001 LEC, 03:30pm-05:30pm M, Room TBA, TCEASTBANK, instruction mode: Classroom; Hedberg, Craig W, 2 cr

5180 Ecology of Infectious Disease

(Credit will not be granted if credit has been received for: PUBH 6380, CMB 5180)

23942 001 LEC, 09:45am-11:00am TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; Singer, Randall, 3 cr

5190 Seminar and Presentation Development

(S-N; prereq Grad student)

18023 001 LEC, 03:00pm-05:00pm M, VetS 215, STPAUL, instruction mode: Classroom; Godden, Sandra Michele, 2 cr

5193 Dairy Decision Making in a Financial Context for Veterinarians

(A-F)

24505 001 IND, instruction mode: Primarily Online; Fetrow, John, 3 cr

5196 Dairy Production Medicine

(A-F; prereq DVM degree, instr consent)

26313 001 LEC, 07:30am-05:00pm MTWThF, . NOROOMREQD, STPAUL, instruction mode: Classroom; Held at the Dairy Education Center, 8/18/2014 through 9/12/2014 and again on 9/29/2014 through 10/24/2014 for a total of 8 weeks.; Fetrow, John, 4 cr

5210 Advanced Large Animal Physiology I

(max crs 6)

14956 001 LEC, instruction mode: Classroom; Malone, Erin, 1-3 cr

5232 Comparative Clinical Veterinary Dermatologic Pathology

(max crs 2; S-N; prereq DVM degree or foreign equiv)

18055 001 IND, instruction mode: Classroom; Torres, Sheila Mello, 1 cr

5242 Advanced Small Animal Pathobiology III

(A-F)

33969 001 LEC, 08:00am-09:00am M, VetS 215, STPAUL, instruction mode: Classroom; Hubinger, Lisa J; Patterson DVM, Ned, 1 cr

5295 Problems in Large Animal Clinical Medicine/Surgery and Theriogenology

(max crs 3; 3 repeats allowed; A-F only; prereq VMed grad student, possess DVM)

14957 001 LEC, 08:00am-09:00am W, . NOROOMREQD, STPAUL, instruction mode: Classroom; Valberg, Stephanie J, 1 cr

5310 Topics in Veterinary Clinical Pathology

(max crs 2; S-N; prereq Grad student in CVM)

18056 001 LEC, 08:00am-09:00am F, VetDL 280, STPAUL, instruction mode: Classroom; Overmann, Jed A, 1 cr

5594 Research in Veterinary Medicine

(max crs 8; prereq Jr, instr consent)

21192 001 LAB, instruction mode: Independent/Directed Studies; Independent research course - student identifies faculty member and project, requests permission number from graduate program office in CVM; Sreevatsan, Srinand, 1-4 cr

24388 002 LAB, instruction mode: Classroom; This section is for DVM students in the 2014 Summer Scholars program only., 1-4 cr

26755 003 LAB, 09:00am-04:00pm MT, Room TBA, STPAUL, 08/07/15-06/15/16, 09:00am-12:00pm W, Room TBA, STPAUL, 08/07/15-06/15/16, 01:00pm-05:00pm W, Room TBA, STPAUL, 08/07/15-06/15/16, 07:30am-06:00pm ThF, Room TBA, STPAUL, 08/07/15-06/15/16, instruction mode: Classroom; This section is for Food systems Institute participants ONLY. Contact Sarah Summerbell at peter415@umn.edu before registering.; Rahn, Wendy Marie; Bellemare, Marc, 1-4 cr

5596 Swine Diseases and Diagnostics

13003 001 FWK, 09/08/15-10/26/15, instruction mode: Classroom; Arranged between student and instructor.;

Molitor, Thomas William; Morrison, Robert Barclay, 2-3 cr

5670 Bovine Surgery Practicum

(S-N; prereq [VMed grad student, [DVM or equiv foreign degree]] or instr consent)

18032 001 LEC, instruction mode: Classroom; Malone, Erin, 2 cr

5921 Seminar in Food Protection and Defense

26311 001 LEC, 12:30pm-02:30pm F, VetS 215, STPAUL, instruction mode: Classroom; This seminar course meets in person the first Friday of every month. (in Sept. will meet on 9/11/15); Kircher, Amy; Fredrickson, Neal Roland, 1 cr

8134 Ethical Conduct of Animal Research

(Credit will not be granted if credit has been received for: ANSC 8134, CMB 8134; A-F only; prereq [Grad or professional school] student or instr consent)

15275 001 LEC, 03:00pm-05:00pm Th, VetS 215, STPAUL, instruction mode: Classroom; Meets with: 15304 ANSC 8134, 15274 CMB 8134; Rutherford, Mark Stephen; Graham PhD, Melanie L; Crooker, Brian A, 3 cr

8192 Dairy Health Management: Critical Thinking

(max crs 2; S-N)

33970 001 DIS, instruction mode: Classroom; Godden, Sandra Michele, 1 cr

8193 Welfare of Farmed Animals

(max crs 2; S-N)

33971 001 DIS, instruction mode: Classroom; Deen, John, 1 cr

8220 Advanced Nephrology/Urology Clinics

(max crs 3; prereq instr consent)

12989 001 LEC, instruction mode: Classroom; Arranged between student and instructor.; Polzin, David J; Lulich PhD, Jody P; Osborne, Carl A, 1-3 cr

8230 Medical Conference

(max crs 2; prereq instr consent)

12990 001 LEC, 08:00am-08:50am Th, . NOROOMREQD, STPAUL, instruction mode: Classroom; Meets in room 135 AS/VM with small animal grand rounds.

8292 Journal Club: Large Animal Internal Medicine

(max crs 3; 3 repeats allowed; A-F only; prereq instr consent)

18033 001 IND, 08:00am-09:00am T, VetMedCtr A217, STPAUL, instruction mode: Classroom; Ward, Christie, 1 cr

8293 Advanced Studies in Nephrology and Urology

(max crs 3; A-F only; prereq instr consent)

12993 001 DIS, instruction mode: Classroom; Arranged between student and instructor.; Lulich PhD, Jody P; Osborne, Carl A; Polzin, David J, 1-3 cr

8333 FTE: Master's

(max crs 2; NGA; prereq Master's student, adviser and DGS consent)

14025 001 IND, instruction mode: Classroom, 1 cr

8394 Research in Veterinary Medicine

(max crs 3; prereq instr consent)

12991 001 IND, instruction mode: Classroom; Independent research course - student identifies faculty member and project, requests permission number from graduate program office in CVM; Sreevatsan, Srinand, 1-3 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14160 001 IND, instruction mode: Classroom, 1 cr

8492 Seminar: Infectious Diseases and Swine Medicine

(max crs 2)

13004 001 LEC, 03:00pm-04:00pm F, AnSciVM 385J, STPAUL, instruction mode: Classroom; Torremorell, Montserrat; Molitor, Thomas William; Morrison, Robert Barclay, 1 cr

8550 Veterinary Medicine Seminar

(max crs 2; S-N; prereq Grad student)

21890 001 LEC, 12:00pm-01:00pm Th, VetS 215, STPAUL, instruction mode: Classroom; Meets with: 13575 CMB 8550; Rutherford, Mark Stephen, 1 cr

23245 002 LEC, 09:00am-09:50am F, Room TBA, STPAUL, instruction mode: Classroom; This section is strictly for VPH residents. Graduate Students in VMed should register for section 001.; Minicucci, Larissa A; Goldsmith, Timothy Joseph, 1 cr

8592 Infectious Disease Journals: Critical Thinking

(max crs 2; A-F)

20141 001 IND, 08:00am-09:00am F, . NOROOMREQD, STPAUL, instruction mode: Classroom; Day and time will be agreed upon by those who register for the course.; Torremorell, Montserrat; Perez, Andres M, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14276 001 IND, instruction mode: Classroom, 1-6 cr

8682 Advanced Large Animal Surgery

(max crs 6; 3 repeats allowed; A-F only; prereq DVM or equiv degree, instr consent)

12995 001 LEC, 08:00am-09:00am Th, . NOROOMREQD, STPAUL, instruction mode: Classroom; Course is held at Equine Center in Piper student conference room; Malone, Erin, 2 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14355 001 IND, instruction mode: Classroom, 1-18 cr

8780 Advanced Avian Critical Care:**Principles and Procedures**

(A-F only; prereq Course each in vet pathology, physiology, pharmacology, anatomy, small animal anesthesiology and critical care)

18057 001 LAB, instruction mode: Classroom; Redig, Patrick Thomas, 2 cr

8793 Seminar: Veterinary Anesthesiology

(max crs 4; A-F only; prereq [CVM 6321 or equiv], DVM degree)

12999 001 LEC, instruction mode: Classroom; Arranged between student and instructor.; Graham DVM, Lynelle, 1-2 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13790 001 IND, instruction mode: Classroom, 1-24 cr

VETERINARY POPULATION MEDICINE (VPM)

1550 Introduction to the horse including care, handling, and recognizing behaviors

22858 001 LEC, instruction mode: Primarily Online, 1 cr

1560 Introduction to Horseback Riding and Horse Health

24608 001 LEC, 09:35am-11:30am T, Room TBA, STPAUL, instruction mode: Classroom; Vallandingham, Kelly L, 2 cr
24609 002 LEC, 03:00pm-04:55pm T, Room TBA, STPAUL, instruction mode: Classroom; Vallandingham, Kelly L, 2 cr
24610 003 LEC, 03:00pm-04:55pm W, Room TBA, STPAUL, instruction mode: Classroom; Vallandingham, Kelly L, 2 cr
24612 004 LEC, 09:35am-11:30am Th, Room TBA, STPAUL, instruction mode: Classroom; Vallandingham, Kelly L, 2 cr

1905 Freshman Seminar

(max crs 3; A-F)

25075 001 LEC, 09:05am-09:55am MW, STSS 131A, instruction mode: Classroom; Singh, Ashok K, 2-3 cr; Garbage, Government, and the Globe
25718 002 LEC, 10:10am-11:00am MW, STSS 131A, instruction mode: Classroom; Singh, Ashok K, 2-3 cr; Poison, Poisoning and Society
33959 I003 LEC, 06:15pm-07:05pm M, STSS 420A, instruction mode: Classroom; Singh, Ashok K, 2-3 cr; Aquatic Toxicology, Water Safety, and the Society

3102 Aquatic-Sediment Ecological Toxicology

(A-F only)

33925 001 LEC, 09:05am-09:55am TTh, STSS 420A, instruction mode: Classroom; Singh, Ashok K, 3 cr

3550 Introduction to Equine Exercise Physiology

(A-F; prereq Students must have successfully completed a physiology or anatomy course prior to taking this course. VPM 1550 or ANSC 2055 plus ANSC 3301 or BIOL 3211)

33951 001 LEC, 09:35am-11:30am W, EqCtr 186, STPAUL, instruction mode: Classroom; Vallandingham, Kelly L, 2 cr

3850W Health and Biodiversity

(A-F; prereq At least one year of college Biology or equivalent; meets CLE req of Environment; meets CLE req of Writing Intensive)

22505 001 LEC, 01:55pm-03:50pm T, BioSci 64, STPAUL, instruction mode: Classroom; Craft PhD, Meggan E; Travis, Dominic A, 3 cr

VIETNAMESE (Viet)

220 Folwell Hall, 9 Pleasant St. SE, East Bank Campus, Minneapolis, MN, 55455

1011 Beginning Vietnamese I (A-F)

26636 001 DIS, instruction mode: Correspondence; Broadcast in from Michigan State University, 4 cr

WATER RESOURCES SCIENCE (WRS)

173 McNeal Hall, 1985 Buford Avenue, St Paul Campus, St Paul, MN, 55108
612/624-9282, <http://wrs.umn.edu>

5050 Special Topics in Water Resources Science

(max crs 3; A-F only)

26420 001 LEC, instruction mode: Non Term Online/ Correspondence; Practical topics for water resource management professionals. Policy and institutions, watershed science, civic engagement, assessment, communication, implementation practices, and administration. Requires working with a mentor in local water resource management. Online only. Course requires instructor consent.; Lewandowski, Ann M, 1-3 cr; S-N; Watershed Specialist Training
26787 002 LEC, instruction mode: Non Term Online/ Correspondence, 1-3 cr

8050 Special Topics in Water Resources Science

(max crs 6; 6 repeats allowed; A-F only)

13344 001 DIS, instruction mode: Classroom, 1-3 cr

8060 Directed Studies in Water Resources Science

(max crs 6; 6 repeats allowed; A-F only; prereq instr consent)

21156 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr

8095 Plan B Project (S-N only)

13677 001 IND, instruction mode: Classroom, 3 cr

8100 Interdisciplinary Seminar in Water Resources

(max crs 3; 3 repeats allowed)

13601 001 LEC, 03:00pm-03:55pm F, HodsonH 490, STPAUL, instruction mode: Classroom; S-N only.; Meets with: 18699 WRS 8100; Nieber, John Little; Mulla, D J, 0.50-3 cr
18697 002 LEC, instruction mode: Classroom; To be arranged in DULUTH. S-N only.; Werne, Josef P, 0.50-3 cr
18699 003 LEC, 03:00pm-03:55pm F, HodsonH 490, STPAUL, instruction mode: Classroom; Instructor consent required.; Meets with: 13601 WRS 8100; Nieber, John Little; Mulla, D J, 0.50-3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14028 001 IND, instruction mode: Classroom, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14162 001 IND, instruction mode: Classroom, 1 cr

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14278 001 IND, instruction mode: Classroom, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14356 001 IND, instruction mode: Classroom, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq [Max 18 cr per semester or summer], 24 cr required)

24676 001 IND, instruction mode: Classroom, 1-24 cr

WRITING STUDIES (Writ)

214 Nolte Center, 315 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/624-3445, <http://www.writingstudies.umn.edu/>

1201 Writing Studio

(Credit will not be granted if credit has been received for: PSTL 1421; A-F; prereq Placement in Writ 1201)

18174 001 DIS, instruction mode: Classroom; 20 seats reserved for CEHD TRIO/CET, 4 cr
18179 002 DIS, 01:00pm-02:15pm TTh, AkerH 227, instruction mode: Classroom; 20 seats reserved for CEHD TRIO/CET, 4 cr
18351 003 DIS, 02:30pm-03:45pm MW, LindH 303, instruction mode: Classroom; 20 seats reserved for CEHD TRIO/CET, 4 cr
21416 004 DIS, 11:15am-12:30pm TTh, LindH 217, instruction mode: Classroom; 20 seats reserved for CEHD TRIO/CET, 4 cr
21417 005 DIS, 02:30pm-03:45pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; 20 seats reserved for CEHD TRIO/CET, 4 cr

1301 University Writing

(A-F; prereq Placement in Writ 1301; credit will not be granted if credit already received for freshmen composition courses under the following former designators: ENGC 1011, ENGC 1011H, ENGC 1012, ENGC 1012H, ENGC 1013, ENGC 1013H, ENGC 1014, ENGC 1014H, ENGC 1015, ENGC 1016, RHET 1101)

25185 001 DIS, 08:00am-08:50am MWF, LindH 302, instruction mode: Classroom; For Non-Native speakers of English only; for information please contact Sheryl Holt at holtx001@umn.edu; 21 seats reserved for International Student, 4 cr
20069 002 DIS, 09:05am-09:55am MWF, LindH 217, instruction mode: Classroom; Non-native English speakers only; Direct questions to Sheryl Holt at holtx001@umn.edu; 21 seats reserved for International Student, 4 cr
18191 003 DIS, 10:10am-11:00am MWF, LindH 203, instruction mode: Classroom; Non-native English speakers only; direct questions to Sheryl Holt at holtx001@umn.edu; 21 seats reserved for International Student, 4 cr
18196 004 DIS, 11:15am-12:05pm MWF, LindH 320, instruction mode: Classroom; Non-native English speakers only; direct questions to Sheryl Holt at holtx001@umn.edu; 21 seats reserved for International Student, 4 cr
18188 005 DIS, 01:25pm-02:15pm MWF, LindH 340, instruction mode: Classroom; Non-native English speakers only; direct questions to Sheryl Holt at holtx001@umn.edu; 21 seats reserved for International Student, 4 cr
25186 006 DIS, 08:15am-09:30am TTh, ApH 223, instruction mode: Classroom; Non-native English speakers only; direct questions to Sheryl Holt at holtx001@umn.edu; 21 seats reserved for International Student, 4 cr
18215 007 DIS, 09:45am-11:00am TTh, LindH 215, instruction mode: Classroom; Non-native English speakers only; direct questions to Sheryl Holt at holtx001@umn.edu; 21 seats reserved for International Student, 4 cr
18228 009 DIS, 11:15am-12:30pm TTh, ApH 223, instruction mode: Classroom; Non-native English speakers only; for permission, contact Sheryl Holt 612-624-4524 or email holtx001@umn.edu; 21 seats reserved for International Student, 4 cr
18208 010 DIS, 01:00pm-02:15pm TTh, LindH 217, instruction mode: Classroom; Non-native English speakers only; for permission, contact Sheryl Holt 612-624-4524 or email holtx001@umn.edu; 21 seats reserved for International Student, 4 cr
25187 011 DIS, 01:00pm-02:15pm TTh, LindH 302, instruction mode: Classroom; Non-native English speakers only; direct questions to Sheryl Holt at holtx001@umn.edu; 21 seats reserved for International Student, 4 cr
18180 015 DIS, 08:30am-09:20am MW, MagrathLib 4, STPAUL, 08:30am-09:20am F, LES 220, STPAUL, instruction mode: Classroom; This section meets on the St. Paul Campus.; 2 seats reserved for PSEO student; 15 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
18181 016 DIS, 11:45am-12:35pm MW, MagrathLib 8, STPAUL, 11:45am-12:35pm F, LES 220, STPAUL, instruction mode: Classroom; This section meets on the St. Paul campus.; 8 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
19704 017 DIS, 12:50pm-01:40pm MW, MagrathLib 4, STPAUL, 12:50pm-01:40pm F, LES 230, STPAUL, instruction mode: Classroom; This section meets on the St. Paul campus.; 18 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
18182 018 DIS, 01:30pm-02:45pm T, MagrathLib 6, STPAUL, 01:30pm-02:45pm Th, LES 230, STPAUL, instruction mode: Classroom; This section meets on the St. Paul campus.; 2 seats reserved for PSEO student; 18 seats reserved for FRFY - Freshman Full Yr Regist, 4 cr
20068 019 DIS, 01:55pm-02:45pm MW, MagrathLib 4, STPAUL, 01:55pm-02:45pm F, LES 230, STPAUL, instruction mode: Classroom; This section meets on the St. Paul campus.; 1 seat reserved for PSEO student; 18 seats

- reserved for FRFY - Freshman Full Yr Regist; Kimlinger MA, Matthew, 4 cr
 18183 020 DIS, 08:00am-08:50am MWF, APH 223, instruction mode: Classroom; 3 seats reserved for PSEO student; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18184 021 DIS, 08:00am-08:50am MWF, LindH 340, instruction mode: Classroom; 18 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr
 18185 022 DIS, 08:00am-08:50am MWF, LindH 325, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18186 023 DIS, 08:15am-09:30am MW, LindH 303, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18187 024 DIS, 09:05am-09:55am MWF, LindH 215, instruction mode: Classroom; 15 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 21410 025 DIS, 09:05am-09:55am MWF, APH 223, instruction mode: Classroom; 16 seats reserved for FRFY - Freshman Full Yr Regist; 2 seats reserved for PSEO student; , 4 cr
 18189 026 DIS, 09:05am-09:55am MWF, LindH 302, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; 3 seats reserved for PSEO student; , 4 cr
 18190 027 DIS, 09:05am-09:55am MWF, LindH 340, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 20070 028 DIS, 10:10am-11:00am MWF, LindH 217, instruction mode: Classroom; 2 seats reserved for PSEO student; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18192 029 DIS, 10:10am-11:00am MWF, LindH 215, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18193 030 DIS, 10:10am-11:00am MWF, LindH 302, instruction mode: Classroom; 13 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr
 18194 031 DIS, 10:10am-11:00am MWF, APH 223, instruction mode: Classroom; 3 seats reserved for PSEO student; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18195 032 DIS, 10:10am-11:00am MWF, LindH 340, instruction mode: Classroom; 3 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18197 033 DIS, 11:15am-12:05pm MWF, LindH 315, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18198 034 DIS, 11:15am-12:05pm MWF, LindH 303, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18200 035 DIS, 12:20pm-01:10pm MWF, LindH 302, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; 2 seats reserved for PSEO student; , 4 cr
 18201 036 DIS, 12:20pm-01:10pm MWF, APH 223, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; 2 seats reserved for PSEO student; , 4 cr
 18202 037 DIS, 12:20pm-01:10pm MWF, LindH 320, instruction mode: Classroom; 18 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr
 18203 038 DIS, 12:20pm-01:10pm MWF, LindH 315, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; 2 seats reserved for PSEO student; , 4 cr
 18204 039 DIS, 01:25pm-02:15pm MWF, LindH 325, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18205 040 DIS, 01:25pm-02:15pm MWF, LindH 320, instruction mode: Classroom; 18 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr
 18206 041 DIS, 01:25pm-02:15pm MWF, LindH 315, instruction mode: Classroom; 8 seats reserved for FRFY - Freshman Full Yr Regist; 2 seats reserved for PSEO student; , 4 cr
 22128 042 DIS, 02:30pm-03:20pm MWF, LindH 302, instruction mode: Classroom; 2 seats reserved for PSEO student; , 4 cr
 18213 043 DIS, 02:30pm-03:20pm MWF, APH 223, instruction mode: Classroom; , 4 cr
 33934 044 DIS, 11:15am-12:30pm MW, LindH 340, instruction mode: Classroom; , 4 cr
 18207 045 DIS, 03:35pm-04:25pm MWF, LindH 340, instruction mode: Classroom; 3 seats reserved for PSEO student; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 22127 046 DIS, 04:00pm-05:15pm MW, LindH 315, instruction mode: Classroom; , 4 cr
 18209 047 DIS, 04:00pm-05:15pm MW, LindH 303, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18210 048 DIS, 08:15am-09:30am TTh, LindH 340, instruction mode: Classroom; 18 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr
 18211 049 DIS, 08:15am-09:30am TTh, LindH 325, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; 2 seats reserved for PSEO student; , 4 cr
 18212 050 DIS, 08:15am-09:30am TTh, LindH 320, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; 2 seats reserved for PSEO student; , 4 cr
 19697 051 DIS, 08:15am-09:30am TTh, LindH 315, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 21411 052 DIS, 08:15am-09:30am TTh, LindH 303, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18214 053 DIS, 09:45am-11:00am TTh, KHKH 2-260, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18216 054 DIS, 09:45am-11:00am TTh, LindH 302, instruction mode: Classroom; 2 seats reserved for PSEO student; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18217 055 DIS, 09:45am-11:00am TTh, APH 223, instruction mode: Classroom; 18 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr
 21412 056 DIS, 11:15am-12:30pm TTh, LindH 340, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18218 057 DIS, 11:15am-12:30pm TTh, LindH 325, instruction mode: Classroom; 3 seats reserved for PSEO student; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 33935 058 DIS, 01:00pm-02:15pm TTh, APH 223, instruction mode: Classroom; , 4 cr
 19701 059 DIS, 01:00pm-02:15pm TTh, LindH 340, instruction mode: Classroom; 15 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr
 18229 060 DIS, 01:00pm-02:15pm TTh, LindH 325, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; 3 seats reserved for PSEO student; , 4 cr
 18230 061 DIS, 02:30pm-03:45pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; 2 seats reserved for PSEO student; , 4 cr
 19698 062 DIS, 02:30pm-03:45pm TTh, APH 223, instruction mode: Classroom; , 4 cr
 18231 063 DIS, 02:30pm-03:45pm TTh, Room TBA, TCEASTBANK, instruction mode: Classroom; 18 seats reserved for CATS (CLA Pres Emerg Scholars); , 4 cr
 18232 064 DIS, 04:00pm-05:15pm TTh, LindH 325, instruction mode: Classroom; 7 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18233 065 DIS, 04:00pm-05:15pm TTh, LindH 320, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 19699 066 DIS, 04:00pm-05:15pm TTh, LindH 315, instruction mode: Classroom; 3 seats reserved for PSEO student; 17 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18234 067 DIS, 05:30pm-08:00pm M, LindH 303, instruction mode: Classroom; 17 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18235 068 DIS, 05:30pm-08:00pm T, LindH 320, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18236 069 DIS, 05:30pm-08:00pm W, LindH 315, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18238 140 DIS, 08:00am-08:50am MW, AkerH 227, instruction mode: Partially Online; Blended section. Two 50-minute face-to-face meeting per week; additional course work happens online.; 18 seats reserved for FRFY - Freshman Full Yr Regist; 2 seats reserved for PSEO student; , 4 cr
 19681 141 DIS, 12:20pm-01:10pm MW, AkerH 327, instruction mode: Partially Online; Blended section. Two 50-minute face-to-face meeting per week; additional course work happens online.; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18240 175 DIS, instruction mode: Correspondence; This is an online section.; 12 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 19702 176 DIS, instruction mode: Correspondence; This is an online section.; 12 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
- 1401 Writing and Academic Inquiry**
 (A-F; prereq Placement in Writ 1401; credit will not be granted if credit already received for freshmen composition courses under the following former designators: ENGC 1011, ENGC 1011H, ENGC 1012, ENGC 1012H, ENGC 1013, ENGC 1013H, ENGC 1014, ENGC 1014H, ENGC 1015, ENGC 1016, RHET 1101)
 18220 001 DIS, 08:00am-08:50am MWF, LindH 320, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
- 18223 002 DIS, 02:30pm-03:20pm MWF, LindH 340, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18224 003 DIS, 09:45am-11:00am TTh, LindH 340, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
 18225 004 DIS, 04:00pm-05:15pm TTh, LindH 303, instruction mode: Classroom; 18 seats reserved for FRFY - Freshman Full Yr Regist; , 4 cr
- 1511 Writing Studio I**
 (A-F only; Only Rochester-admitted students will be able to enroll in this course.)
 19847 001 DIS, 10:10am-11:00am M, USq 382, ROCHESTER, instruction mode: Classroom; Lemer, Bronson John; Wright-Peterson PhD, Virginia M, 1 cr
 19848 002 DIS, 12:20pm-01:10pm M, USq 382, ROCHESTER, instruction mode: Classroom; This class will meet in room 382 of USq.; Lemer, Bronson John; Wright-Peterson PhD, Virginia M, 1 cr
 22668 003 DIS, 01:25pm-02:15pm M, USq 382, ROCHESTER, instruction mode: Classroom; Lemer, Bronson John; Wright-Peterson PhD, Virginia M, 1 cr
 19849 004 DIS, 02:30pm-03:20pm M, USq 382, ROCHESTER, instruction mode: Classroom; Wright-Peterson PhD, Virginia M; Lemer, Bronson John, 1 cr
 27300 005 DIS, 10:10am-11:00am W, USq 382, ROCHESTER, instruction mode: Classroom; Wright-Peterson PhD, Virginia M; Lemer, Bronson John, 1 cr
 19850 006 DIS, 11:15am-12:05pm W, USq 382, ROCHESTER, instruction mode: Classroom; Wright-Peterson PhD, Virginia M; Lemer, Bronson John, 1 cr
 24092 007 DIS, 12:20pm-01:10pm W, USq 382, ROCHESTER, instruction mode: Classroom; Wright-Peterson PhD, Virginia M; Lemer, Bronson John, 1 cr
 27303 008 DIS, 01:25pm-02:15pm W, USq 317, ROCHESTER, instruction mode: Classroom; In order to be eligible to enroll in this unique section, students should meet at least one of the criteria below -
 31545 009 DIS, 03:35pm-04:25pm M, USq 382, ROCHESTER, instruction mode: Classroom; Wright-Peterson PhD, Virginia M, 1 cr
 31546 010 DIS, 04:40pm-05:30pm M, USq 382, ROCHESTER, instruction mode: Classroom; Wright-Peterson PhD, Virginia M; Lemer, Bronson John, 1 cr
 34268 011 DIS, 03:35pm-04:25pm W, USq 382, ROCHESTER, instruction mode: Classroom; Wright-Peterson PhD, Virginia M; Lemer, Bronson John, 1 cr
- 1908W Topics: Freshman Seminar**
 (prereq Fr; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)
 23639 001 LEC, 04:00pm-06:30pm Th, STSS 530B, instruction mode: Classroom; Bruch Jr, Patrick Leonard, 3 cr; What is College: Past, Present/Future of Higher Ed
- 1910W Topics: Freshman Seminar**
 (prereq Fr; meets CLE req of Writing Intensive)
 23640 001 LEC, 11:15am-12:30pm TTh, NCCCE 229, instruction mode: Classroom; Reynolds, Thomas Joseph, 3 cr; Fashion to Fashioning: Magazines and Literacy
- 3001 Introduction to Technical Writing and Communication**
 (A-F; prereq Technical Writing Concurrent registration is required (or allowed) in Communication Major or instr consent)
 10904 001 LEC, 11:15am-12:30pm TTh, LindH 302, instruction mode: Classroom; This class is intended for current or prospective S&TC majors; 20 seats reserved for STC major - undergrad; Breuch, Lee-Ann Kastman, 3 cr
- 3029W Business and Professional Writing**
 (Credit will not be granted if credit has been received for: ENGL 3029W; meets CLE req of Writing Intensive)
 19148 001 DIS, 05:30pm-08:00pm W, STSS 432B, instruction mode: Classroom; , 3 cr
 19646 002 DIS, 09:45am-11:00am TTh, LindH 325, instruction mode: Classroom; , 3 cr
- 3101W Writing Arguments**
 (A-F only; prereq Soph or jr or sr; meets CLE req of Writing Intensive)
 20294 001 LEC, 11:15am-12:30pm TTh, LindH 320, instruction mode: Classroom; Ross Jr, Donald, 3 cr
- 3102W Public Writing**
 (A-F; prereq Soph or jr or sr; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)
 21734 001 DIS, 01:00pm-02:15pm TTh, LindH 320, instruction mode: Classroom; Ross Jr, Donald, 3 cr
- 3152W Writing on Issues of Science and Technology**

(A-F only; credit will not be granted if credit already received for: Writ 1152W)

15072 001 DIS, 01:00pm-02:15pm TTh, NCCE 229, instruction mode: Classroom; meets CLE req of Writing Intensive; Berkenkotter, Carol Ann, 4 cr

3221W Communication Modes and Methods

(A-F; credit will not be granted if the student has already completed Rhet 3221W; Soph or jr or sr; meets CLE req of Writing Intensive)

21268 001 DIS, 04:00pm-05:15pm TTh, NCCE 229, instruction mode: Classroom; Berkenkotter, Carol Ann, 4 cr

3257 Technical and Professional Presentations

(OPN; prereq COMM 1101 or instr consent)

13297 001 LEC, 03:00pm-04:15pm TTh, MagrathLib 6,

STPAUL, instruction mode: Classroom; , 3 cr

19647 002 LEC, 09:45am-11:00am MW, LindH 303, instruction mode: Classroom; , 3 cr

3291 Technical Communication Certificate Capstone Project

(A-F; prereq instr consent)

10985 001 IND, instruction mode: Independent/Directed Studies; Students seeking an independent study must already have an agreement with an instructor to complete the independent study. Contact Shannon Klug in Writing Studies at (612) 625-9236 for an Independent Study Contract form.; Breuch, Lee-Ann Kastman, 1 cr

3371W Technology, Self, and Society

(A-F; Soph or jr or sr; meets CLE req of Technology and Society; meets CLE req of Writing Intensive)

31595 001 DIS, 08:45am-10:00am MW, MagrathLib 8, STPAUL, instruction mode: Classroom; Nichols, Capper, 3 cr

3381W Writing and Modern Cultural Movements

(A-F only; meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)

21269 001 DIS, 02:30pm-03:45pm TTh, LindH 303, instruction mode: Classroom; Reynolds, Thomas Joseph, 3 cr

3441 Editing, Critique, and Style

(A-F; prereq Soph or jr or sr)

19892 001 DIS, 09:45am-11:00am TTh, LindH 303, instruction mode: Classroom; 1 seat reserved for STC major - undergrad; 1 seat reserved for Technical Communication minor; Schuster, Mary Lay, 3 cr

3511 Communication Methods

(A-F; prereq Writ 1512 or instr consent)

20755 001 LEC, 09:45am-11:00am TTh, 318Com 7, ROCHESTER, instruction mode: Classroom; Bruenger, Aaron Michael, 3 cr

21730 002 LEC, 01:25pm-02:40pm WF, 318Com 7, ROCHESTER, instruction mode: Classroom; Bruenger, Aaron Michael, 3 cr

25097 003 LEC, 11:15am-12:30pm TTh, 318Com 7, ROCHESTER, instruction mode: Classroom; Bruenger, Aaron Michael, 3 cr

3562W Technical and Professional Writing

(A-F; prereq [Jr or sr or instr consent], [1301 or 1401 or equiv]; meets CLE req of Writing Intensive)

10931 005 DIS, 08:30am-09:20am MW, MagrathLib 6, STPAUL, 08:30am-09:20am F, LES 230, STPAUL, instruction mode: Classroom; , 4 cr

10932 006 DIS, 09:35am-10:25am MW, MagrathLib 6, STPAUL, 09:35am-10:25am F, LES 230, STPAUL, instruction mode: Classroom; , 4 cr

10933 007 DIS, 11:45am-12:35pm MW, MagrathLib 6, STPAUL, 11:45am-12:35pm F, LES 230, STPAUL, instruction mode: Classroom; , 4 cr

10934 008 DIS, 12:20pm-01:10pm MW, AkerH 317, 12:20pm-01:10pm F, LindH 303, instruction mode: Classroom; , 4 cr

10935 009 DIS, 10:10am-11:00am MW, NichH 115, 10:10am-11:00am F, LindH 303, instruction mode: Classroom; , 4 cr

10936 010 DIS, 01:30pm-02:45pm Th, MagrathLib 6, STPAUL, 01:30pm-02:45pm T, LES 230, STPAUL, instruction mode: Classroom; , 4 cr

10937 !011 DIS, 04:30pm-05:45pm T, MagrathLib 8, STPAUL, 04:30pm-05:45pm Th, LES 230, STPAUL, instruction mode: Classroom; , 4 cr

22512 !012 DIS, 04:40pm-07:20pm M, LindH 320, instruction mode: Classroom; , 4 cr

14747 !013 DIS, 05:30pm-08:00pm T, LindH 315, instruction mode: Classroom; 3 seats reserved for non-PSEO, non-admitted student; , 4 cr

14985 !014 DIS, 05:30pm-08:00pm W, LindH 303, instruction mode: Classroom; , 4 cr

16914 075 DIS, instruction mode: Correspondence; , 4 cr

17051 076 DIS, instruction mode: Correspondence; , 4 cr

18887 077 DIS, instruction mode: Correspondence; , 4 cr

20151 078 DIS, instruction mode: Correspondence; , 4 cr

21927 079 DIS, instruction mode: Correspondence; , 4 cr

23271 080 DIS, instruction mode: Correspondence; , 4 cr

26666 081 DIS, instruction mode: Correspondence; , 4 cr

16800 095 DIS, instruction mode: Correspondence;

Registration restricted to newly admitted or current Nursing students. Registration by non-Nursing students will be canceled.; Please call 612-625-7980 if you need a permission number.; 24 seats reserved for Nurs student; , 4 cr

3577W Rhetoric, Technology, and the Internet

(A-F; prereq Soph or jr or sr or instr consent; meets CLE req of Technology and Society; meets CLE req of Writing Intensive)

25100 002 DIS, 01:00pm-02:15pm MW, STSS 420A, instruction mode: Classroom; 5 seats reserved for STC major - undergrad; Logie, John, 3 cr

3671 Visual Rhetoric and Document Design

(A-F; prereq Jr or sr)

14589 001 DIS, 11:15am-12:30pm M, STSS 530B, 11:15am-12:30pm W, STSS 530B, instruction mode: Classroom; 15 seats reserved for STC major - undergrad; Horvath, Barbara Ann, 3 cr

3751W Seminar: Theory and Practice of Writing Consultancy

(prereq Currently working in a University writing center, instr consent; credit will not be granted if credit received for: 3607; meets CLE req of Writing Intensive)

21273 001 LEC, 04:00pm-05:15pm TTh, LindH 216, instruction mode: Classroom; Jansen, Kirsten, 4 cr

4196 Internship in Technical Writing and Communication

(A-F; prereq 3562W, 24 cr in Technical Writing Concurrent registration is required (or allowed) in Communication major)

20295 001 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4196>; Horvath, Barbara Ann, 3 cr

4501 Usability and Human Factors in Technical Communication

(A-F; prereq [SConcurrent registration is required (or allowed) in TC major, [jr or sr or grad student]] or instr consent)

31597 001 LEC, 04:00pm-06:30pm M, STSS 432B, instruction mode: Classroom; Breuch, Lee-Ann Kastman, 3 cr

4662W Writing With Digital Technologies

(A-F; prereq Jr or sr or grad student or instr consent; meets CLE req of Writing Intensive)

25102 001 DIS, 04:00pm-06:30pm T, STSS 420A, instruction mode: Classroom; 12 seats reserved for STC major - undergrad; , 4 cr

4995 Senior Project

(A-F; prereq Sr, Scientific and Technical Communication major, instr consent)

24545 001 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4995>; Thomas-Pollei, Kimberly A, 1 cr

26276 002 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4995>; Logie, John, 1 cr

26275 003 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4995>; Reynolds, Thomas Joseph, 1 cr

26277 004 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4995>; Kays, Trent M, 1 cr

26282 005 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4995>; Schuster, Mary Lay, 1 cr

26283 006 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4995>; Clayton, Ashley, 1 cr

26332 007 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4995>; Horvath, Barbara Ann, 1 cr

26334 008 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4995>; Graff, Richard J, 1 cr

26338 009 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4995>; Breuch, Lee-Ann Kastman, 1 cr

26584 010 IND, instruction mode: Independent/Directed Studies; Registration information: <http://z.umn.edu/writ4995>; Ross Jr, Donald, 1 cr

5001 Introduction to Graduate Studies in Scientific and Technical Communication

(A-F; prereq Grad student or instr consent)

23644 001 LEC, 04:00pm-06:30pm Th, NCCE 235, instruction mode: Classroom; Gurak PhD, Laura J, 3 cr

5051 Graduate Research Writing Practice for Non-native Speakers of English

(prereq Grad student)

15657 001 LEC, 02:30pm-03:45pm TTh, LindH 325, instruction mode: Classroom; Strain, Kimberley Ann, 3 cr

5052 Graduate Research Presentations and Conference Writing for Non-Native Speakers of English

(prereq [Grad student, non-native speaker of English] or instr consent)

15615 001 LEC, 02:30pm-03:45pm TTh, LindH 320, instruction mode: Classroom; Lazaraton, Anne, 3 cr

5196 Internship in Scientific and Technical Communication

(max crs 6; S-N only; prereq STC grad or instr consent)

21271 001 IND, instruction mode: Independent/Directed Studies; Duin, Ann Hill, 3-6 cr

5291 Independent Study, Reading, and Research

(max crs 3; prereq instr consent , dept consent)

16852 001 IND, instruction mode: Independent/Directed Studies; Please call Writing Studies at 624-3445 for an independent study contract form. Department permission is required to register.; Ross Jr, Donald, 1-3 cr

5671 Visual Rhetoric

(A-F; prereq Jr or sr or grad student)

21272 !001 LEC, 06:00pm-08:30pm W, STSS 420A, instruction mode: Classroom; Logie, John, 3 cr

5776 The Rhetorical Tradition: Modern Era

(A-F only)

31598 001 LEC, 02:30pm-05:00pm Th, NichH 115, instruction mode: Classroom; Greene, Ronald Walter, 3 cr

8012 Applied Research Methods in Writing Studies and Technical Communication

(max crs 6; A-F only; prereq [8011, grad student] or instr consent)

31599 001 LEC, 02:30pm-05:00pm M, NCCE 235, instruction mode: Classroom; Duin, Ann Hill, 3 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

14013 001 IND, instruction mode: Classroom; Ross Jr, Donald, 1 cr

8444 FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)

14148 001 IND, instruction mode: Independent/Directed Studies; Ross Jr, Donald, 1 cr

8540 Seminar in Technical Communication and Composition Pedagogies

(max crs 12; 4 repeats allowed; A-F only)

31600 001 LEC, 02:30pm-05:00pm T, NichH 120, instruction mode: Classroom; Bruch Jr, Patrick Leonard, 3 cr; Seminar in Tech Comm. and Composition Pedagogy

8666 Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

14263 001 IND, instruction mode: Independent/Directed Studies; Ross Jr, Donald, 1-6 cr

8777 Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

14346 001 IND, instruction mode: Independent/Directed Studies; Ross Jr, Donald, 1-18 cr

8792 Independent Study, Reading, and Research

(max crs 12; 12 repeats allowed; S-N; prereq instr consent)

18570 001 IND, instruction mode: Independent/Directed Studies; Please contact Nan Nelson, Writing Studies, at (612) 624-3445 for an independent study contract. Department permission is required to register.; Ross Jr, Donald, 1-4 cr

8794 Directed Research

(max crs 12; 12 repeats allowed; S-N; prereq instr consent)

25142 001 IND, instruction mode: Classroom; Ross Jr, Donald, 1-4 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

13779 001 IND, instruction mode: Independent/Directed Studies; Ross Jr, Donald, 1-24 cr

YOUTH DEVELOPMENT AND RESEARCH (YoSt)*190 Peters Hall, 1404 Gortner Avenue, St Paul Campus, St Paul, MN, 55108
612/624-3700, http://cehd.umn.edu/SSW/current_students/undergrad/youth_studies/***1001 Seeing Youth, Thinking Youth: Media, Popular Media, and Scholarship**17659 001 LEC, 08:45am-10:00am MW, PetH 155, STPAUL, instruction mode: Classroom, 3 cr
25275 002 LEC, 09:45am-11:00am TTh, BuH 120, instruction mode: Classroom, 3 cr**2101 Urban Youth and Youth Issues**

(prereq 1001 or instr consent; meets CLE req of Diversity and Soc Justice US)

20599 001 LEC, 08:30am-10:25am TTh, AlderH 415, STPAUL, instruction mode: Classroom; 25 seats reserved for YoSt Youth Studies mjrs, 4 cr

2241 Experiential Learning

(Credit will not be granted if credit has been received for: YOST 5241; prereq [1001, 2001] or instr consent)

18243 001 LEC, 10:40am-12:35pm TTh, PetH 5, STPAUL, instruction mode: Classroom; 15 seats reserved for YoSt Youth Studies mjrs; 1 seat reserved for non-PSEO, non-admitted student, 4 cr

3001 Introduction to History & Philosophy of Youthwork

(prereq 2xxx or instr consent)

32601 001 LEC, 08:30am-10:25am TTh, McNH 10, STPAUL, instruction mode: Classroom, 4 cr

3032 Adolescent and Youth Development for Youthworkers

(Credit will not be granted if credit has been received for: YOST 5032; prereq 1001 or 2001 or 2002W or 2101, [any Psych or CPsy course])

25738 001 LEC, 10:40am-12:35pm TTh, PetH 39, STPAUL, instruction mode: Classroom; This is for UNDERGRADS only!; Meets with: 25739 YOST 5032, 4 cr

3291 Independent Study in Youth Studies

(max crs 18; prereq instr consent)

18908 001 IND, instruction mode: Independent/Directed Studies; Baizerman, Michael Leon, 1-9 cr
20226 002 IND, instruction mode: Independent/Directed Studies; Johnston-Goodstar, Katie, 1-9 cr
21827 003 IND, instruction mode: Independent/Directed Studies; VeLure Roholt, Ross Ronald, 1-9 cr**4196 Youthwork Internship**

(prereq Declaration of youth studies major, instr consent)

18909 001 FWK, 10:40am-11:55am MW, PetH 280, STPAUL, instruction mode: Classroom; 15 seats reserved for YoSt Youth Studies mjrs, 4 cr

4315 Youthwork in Schools

(Credit will not be granted if credit has been received for: YOST 5315; prereq Introductory course in education or instr consent)

33911 001 LEC, 12:50pm-02:45pm MW, PetH 39, STPAUL, instruction mode: Classroom; This is for UNDERGRADS only!; Meets with: 33912 YOST 5315, 4 cr

4316 Media and Youth: Learning, Teaching, and Doing

(Credit will not be granted if credit has been received for: YOST 5316; prereq 1001 or 2101 or instr consent)

33913 001 LEC, 03:00pm-04:55pm T, PetH 5, STPAUL, instruction mode: Classroom; This is for UNDERGRADS only!; Meets with: 33914 YOST 5316, 2 cr

4323 Work with Youth: Groups

(Credit will not be granted if credit has been received for: YOST 5323; A-F; prereq [[1001 or 2002W], 4321] or instr consent)

33915 001 LEC, 10:40am-12:35pm F, BioSci 64, STPAUL, instruction mode: Classroom; This is for UNDERGRADS only!; Meets with: 33916 YOST 5323, 2 cr

4325 Improving Everyday Youthwork: Practical Program Evaluation

(prereq [[1001 or 2101], 3234] or instr consent)

22271 001 LEC, 08:45am-10:00am MW, PetH 5, STPAUL, instruction mode: Classroom; 36 seats reserved for YoSt Youth Studies mjrs, 3 cr

5032 Adolescent and Youth Development for Youthworkers

(Credit will not be granted if credit has been received for: YOST 3032; prereq [1001 or 2001 or 2002W or 2101], [any Psych or CPsy course])

25739 001 LEC, 10:40am-12:35pm TTh, PetH 39, STPAUL, instruction mode: Classroom; This is for GRAD students only!; Meets with: 25738 YOST 3032, 4 cr

5291 Independent Study in Youth Studies

(max crs 16)

13033 001 IND, instruction mode: Classroom; For GRAD students only!; Baizerman, Michael Leon, 1-8 cr
21368 002 IND, instruction mode: Classroom; For GRAD students only!; VeLure Roholt, Ross Ronald, 1-8 cr
20225 003 IND, instruction mode: Classroom; For GRAD students only!; Johnston-Goodstar, Katie, 1-8 cr**5315 Youthwork in Schools**

(Credit will not be granted if credit has been received for: YOST 4315; prereq Introductory course in education or instr consent)

33912 001 LEC, 12:50pm-02:45pm MW, PetH 39, STPAUL, instruction mode: Classroom; For GRAD students only!; Meets with: 33911 YOST 4315, 4 cr

5316 Media & Youth: Learning, Teaching, and Doing

(Credit will not be granted if credit has been received for: YOST 4316; prereq 1001 or 2101 or instr consent)

33914 001 LEC, 03:00pm-04:55pm T, PetH 5, STPAUL, instruction mode: Classroom; For GRAD students only!; Meets with: 33913 YOST 4316, 2 cr

5323 Work with Youth--Groups

(Credit will not be granted if credit has been received for: YOST 4323; prereq 1001 or 2002W or instr consent)

33916 001 LEC, 10:40am-12:35pm F, BioSci 64, STPAUL, instruction mode: Classroom; For GRAD students only!; Meets with: 33915 YOST 4323, 2 cr

5952 Everyday Lives of Youth

(A-F only; credit will not be granted if credit received for: WCFE 5411)

22744 1001 DIS, 06:00pm-08:45pm T, PetH 5, STPAUL, instruction mode: Classroom; This course is intended for YDL Masters students!, 3 cr

5956 Organizational Approaches to Youth Development

(A-F only; credit will not be granted if credit received for: WCFE 5413)

22745 1001 DIS, 06:00pm-08:45pm M, PetH 5, STPAUL, instruction mode: Classroom; This course is intended for YDL Masters students!, 3 cr

5960 Seminar in Youth Development Leadership

(max crs 4; 4 repeats allowed; S-N only; prereq YDL student or instr consent; credit will not be granted if credit received for: WCFE 5451)

23681 001 LEC, 09/08/15-10/26/15, instruction mode: Classroom; This course is for YDL Masters students only!, 1 cr
22746 002 LEC, 09/08/15-10/26/15, instruction mode: Classroom; This course is for YDL Masters students only!, 1 cr
23682 003 LEC, 10/27/15-12/16/15, instruction mode: Classroom; This course is for YDL Masters students only!, 1 cr

23683 004 LEC, 10/27/15-12/16/15, instruction mode: Classroom; This course is for YDL Masters students only!, 1 cr

5962 Leadership Field Experience: Youth Development

(S-N; prereq YDL student)

22747 001 FWK, instruction mode: Classroom; This course is for YDL Masters students only!, 4 cr