

Academic Health Center Shared (AHS)

1101 Orientation to Health Careers

(Student Option No Audit;)

63605 001 LEC, 15:35-16:25 M, Health Sciences Edu Ctr 2-110, In Person; Scott Simpson ; 1 cr.

1102 Orientation to Health Careers

(Student Option No Audit;)

63606 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Fred Williams ; 1 cr.

1104 Experiences in Health

(Student Option; Prereq: Enrolled in the Health Professions Pathways Program; AHS 1101, AHS 1102 or AHS 1600.)

63702 001 LEC, 13:25-15:20 F, Phillips-Wangenstn Bldg 3-150, In Person; Fatima Omar ; 2 cr.

1612 The Future Physician - Life & Work of a Physician

(A-F only;)

63607 001 LEC, 15:35-16:25 W, Health Sciences Edu Ctr 3-150, In Person; Tricia Todd, Andrew Slattengren ; 1 cr.

1613 Experiences in Health Care and Public Health

(Student Option No Audit;)

63614 001 FWK, 00:00-00:00 , ONLINE, Completely Online; Scott Simpson ; 2 cr.

3001 Health and Medicine in India in a Social and Cultural Context

(A-F only; Prereq: instr consentGP)

67173 001 DIS, 13:25-14:15 W, Phillips-Wangenstn Bldg 3-150, Study Abroad; Karin Hamilton ; 3 cr.

3003 Sustainable Approaches to Health in France

(A-F only; GP)

67175 001 DIS, 13:25-14:15 W, Phillips-Wangenstn Bldg 3-150, In Person; Karin Hamilton, Dana Lovold ; 3 cr.

3004 Health in the Andes- Humans, Animals, and Ecosystems

(A-F only; GP)

67344 001 DIS, 14:30-16:25 T, Phillips-Wangenstn Bldg 3-150, In Person; Laura Fyfe, Dana Lovold, Kayla Cory ; 3 cr.

3401 Writing a Personal Statement for a Health Program

(S-N only; Prerequisites: Junior or Senior status.

Students must have a competitive GPA, and be within one year of submitting their application for a health professional degree program. You will be required to complete a form after enrolling to confirm your seat in the course. If you do not meet these requirements you will be unenrolled from the course.)

63622 001 DIS, 13:25-14:15 T, Twin Cities Remote, Completely Online; Dana Lovold, Fred Williams ; 1 cr.
63623 002 DIS, 10:10-11:00 W, Health Sciences Ed Ctr 2-101AB, In Person; Dana Lovold, Scott Simpson ; 1 cr.
63624 003 DIS, 10:10-11:00 Th, Twin Cities Remote, Completely Online; Dana Lovold, Fred Williams ; 1 cr.

4393 Directed Study

(Student Option; Prereq: instructor consent)

63656 001 IND, Independent/Directed Study; Fred Williams, Dana Lovold, Scott Simpson, Tricia Todd ; 1-3 cr.

Accounting (ACCT)

1911 The Language of Business

(A-F only;)

65961 001 LEC, 09:45-11:00 MW, Carlson School of Mgmt 2-219, In Person; Kendall Poch ; 3 cr.

2051 Introduction to Financial Reporting

(A-F or Audit;)

56907 001 LEC, 08:00-09:40 MW, Hanson Hall 1-108, In Person; Kendall Poch ; 4 cr.
56908 002 LEC, 10:10-11:50 MW, Hanson Hall 1-108, In Person; Cyrus Aghamolla ; 4 cr.
56909 003 LEC, 12:20-14:00 MW, Hanson Hall 1-108, In Person; Paul White ; 4 cr.

57105 005 LEC, 15:45-17:25 TTh, Carlson School of Mgmt L-110, In Person; Nan Li ; 4 cr.

57142 006 LEC, 10:10-11:50 TTh, Hanson Hall 1-108, In Person; Nan Li ; 4 cr.

57339 007 LEC, 12:20-14:00 MW, Anderson Hall 310, In Person; Cyrus Aghamolla ; 4 cr.

57368 008 LEC, 14:30-16:10 MW, Carlson School of Mgmt L-110, In Person; Paul Ma ; 4 cr.

57478 009 LEC, 10:10-11:50 TTh, Carlson School of Mgmt 2-215, In Person; Grace Londregan ; 4 cr.

65962 010 LEC, 08:00-09:40 TTh, Hanson Hall 1-107, In Person; Wenwei Lin ; 4 cr.

65963 011 LEC, 12:20-14:00 TTh, Hanson Hall 1-108, In Person; Nan Li ; 4 cr.

2051H Honors: Introduction to Financial Reporting

(A-F or Audit;)

57162 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 2-219, In Person; Paul Ma ; 4 cr.

3001 Strategic Management Accounting

(A-F or Audit; Prereq: ACCT 2051 or 2050)

56911 001 LEC, 09:50-11:05 MW, Carlson School of Mgmt 1-115, In Person; Gaoqing Zhang ; 3 cr.

56912 002 LEC, 14:30-15:45 MW, Hanson Hall 1-108, In Person; Gaoqing Zhang ; 3 cr.

56913 020 LEC, 17:45-20:15 T, Hanson Hall 1-102, In Person; Paul White ; 3 cr.

57155 003 LEC, 11:15-12:30 MW, Hanson Hall 1-102, In Person; Gaoqing Zhang ; 3 cr.

5101 Intermediate Accounting I

(A-F or Audit; Prereq: Grade of B- or better in Accct 2050/Acct 2051 OR passed the Acct pretest (z.umn.edu/Acct5101pretest); CSOM Major, MGMT minor, mgmt grad student)

56932 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt L-126, In Person; Benjamin Trnka ; 4 cr.

57056 002 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-142, In Person; Joshua Madsen ; 4 cr.

57090 004 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 2-224, In Person; Tammy Naples ; 4 cr.

57169 003 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 2-224, In Person; Clayton Forester ; 4 cr.

5102 Intermediate Accounting II

(A-F or Audit; Prereq: 5101[mgmt or grad mgmt student])

56933 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 2-206, In Person; Vivian Fang ; 4 cr.

57086 002 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-135, In Person; Scott Johnson ; 4 cr.

5125W Auditing Principles and Procedures

(A-F or Audit; Prereq: [3101 or 5101 or 5100 or 6100], [acct major or grad mgmt student]WI)

56934 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-127, In Person; Scott Johnson ; 4 cr.

57179 002 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 1-127, In Person; Frank Beil ; 4 cr.

5126 Internal Auditing

(A-F or Audit; Prereq: 2050)

57121 001 LEC, 10:10-11:50 TTh, Hanson Hall 1-109, In Person; John Grayson ; 2 cr.

5135 Fundamentals of Federal Income Tax

(A-F or Audit; Prereq: [2050 and or 2051] or MBA 6030), [mgmt or grad mgmt student])

56935 001 LEC, 12:20-14:00 MW, Carlson School of Mgmt 2-215, In Person; Paul Gutterman ; 4 cr.

56936 002 LEC, 10:10-11:50 MW, Carlson School of Mgmt 2-215, In Person; Paul Gutterman ; 4 cr.

5141 Financial-Data Analytics

(A-F only; Prereq: SCO 2550 or BA 2551 or equivalent statistics course and ACCT 2050 or 2051)

57394 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-143, In Person; Joshua Madsen ; 2 cr.

65964 002 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-135, In Person; Joshua Madsen ; 2 cr.

5161 Financial Statement Analysis

(A-F or Audit; Prereq: [5101])

56937 002 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-142, In Person; Frank Beil ; 2 cr.

56988 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 2-233, In Person; Frank Beil ; 2 cr.

5181 Consolidations and Advanced Reporting

(A-F or Audit; Prereq: 5101, 5102 recommended, or MBA 6031 (equiv. is also MBA 6030 before course

number change in Fall 2022). MBA/Mgmt Sci MBA students must register A/F grade base.)

57360 020 LEC, 17:45-21:05 M, Hanson Hall 1-105, In Person; Clayton Forester ; 2 cr.

5201 Intermediate Management Accounting

(A-F or Audit; Prereq: 3001, acct or finance major)

56938 001 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-135, In Person; Paul White ; 2 cr.

56939 020 LEC, 17:45-21:05 Th, Carlson School of Mgmt 1-143, In Person; Paul White ; 2 cr.

57292 002 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-135, In Person; Paul White ; 2 cr.

5236 Introduction to Taxation of Business

(A-F or Audit; Prereq: 5135, acct major)

56957 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-135, In Person; Roger Conlon ; 2 cr.

5311 International Accounting

(A-F or Audit; Prereq: 5101; [5102 or concurrent registration is required (or allowed) in 5102] recommended)

57336 001 LEC, 12:20-14:00 TTh, Carlson School of Mgmt L-110, In Person; Clayton Forester ; 2 cr.

5420 Macc directed study

(Student Option; Prereq: Macc student)

57085 001 IND, In Person; Clayton Forester ; 1-4 cr.

5900 Topics in Accounting

(A-F only;)

66388 020 LEC, 17:45-18:55 W, Carlson School of Mgmt L-126, In Person; Anna Mongeon ; 1-4 cr.

67917 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-143, In Person; Vivian Fang ; 1-4 cr.

Addiction Studies (ADDS)

5011 Foundations in Addiction Studies

(A-F only;)

63378 301 LEC, Completely Online; Elizabeth Bassett ; 2 cr.

5021 Introduction to Evidence Based Practices and the Helping Relationship

(A-F only;)

63379 001 LEC, 10:00-13:15 M, Ruttan Hall B36, In Person; Karvee Kawalawu ; 3 cr.

5031 Applied Psychopharmacology

(A-F only;)

63282 001 LEC, 18:00-21:00 W, Ruttan Hall B26, 18:00-21:00 W, Ruttan Hall B26, 18:00-21:00 W, Ruttan Hall B26, 18:00-21:00 W, Ruttan Hall B26, 18:00-21:00 W, Ruttan Hall B26, 18:00-18:50 W, Ruttan Hall B26, In Person; Ian McLoone ; 2 cr.

5041 Methods and Models I: Motivational Counseling

(A-F only;)

63370 101 LEC, 09:00-12:00 T, McNeal Hall 316, In Person; Tom Hegblom ; 2 cr.

5051 Methods and Models II: Cognitive Behavioral Therapy

(A-F only;)

63283 101 LEC, 13:00-15:30 Th, Ecology Building 170, 13:00-15:30 Th, Ecology Building 170, 13:00-15:30 Th, Ecology Building 170, 13:00-15:30 Th, Ecology Building 170, 13:00-15:30 Th, Ecology Building 170, 13:00-15:30 Th, Ecology Building 170, Partially Online; Tom Hegblom ; 2 cr.

5061 Foundations of Group Work

(A-F only;)

63281 001 LEC, 17:30-21:00 Th, Ruttan Hall B36, In Person; Fiyyaz Karim ; 3 cr.

5071 Foundations of Co-occurring Disorders

(A-F only;)

63414 301 LEC, Completely Online; Elizabeth Bassett ; 2 cr.

5081 Multicultural Foundations of Behavioral Health

(A-F only;)

63367 001 LEC, 17:30-20:30 W, Ruttan Hall B36, In Person; Fiyyaz Karim ; 3 cr.

63450 002 LEC, 17:30-20:30 T, Ruttan Hall B36, In Person; Tom Hegblom ; 3 cr.

5091 Assessment and Treatment Planning I

(A-F only ;)
63439 001 LEC, 18:00-21:15 T, Twin Cities Remote, Completely Online; Roy Kammer ; 3 cr.

5121 Professional Seminar 1: Internship Prep

(S-N only ;)
63310 001 LEC, 09:30-11:00 W, Ruttan Hall B30, 09:30-12:30 Sa, Ruttan Hall B30, 09:30-12:30 Sa, Ruttan Hall B30, Partially Online; Ann Ingwalson ; 1 cr.

5993 Directed Study

(Student Option; Prereq: dept consent)
63311 001 IND, In Person; 1-3 cr.

5996 Internship in Behavioral Health

(S-N only ;)
63309 101 IND, 09:30-11:00 W, Twin Cities Remote, 09:30-11:00 W, Twin Cities Remote, 09:30-11:00 W, Twin Cities Remote, Completely Online; Ann Ingwalson ; 1 cr.
63401 102 IND, 09:30-11:00 W, Twin Cities Remote, 09:30-11:00 W, Twin Cities Remote, 09:30-11:00 W, Twin Cities Remote, Completely Online; Ann Ingwalson ; 1 cr.
67722 103 IND, 11:00-13:00 W, Twin Cities Remote, 11:30-13:00 W, Twin Cities Remote, 11:30-13:00 W, Twin Cities Remote, Completely Online; Ann Ingwalson ; 1 cr.
67723 104 IND, 11:30-13:00 W, Twin Cities Remote, 11:30-13:00 W, Twin Cities Remote, 11:30-13:00 W, Twin Cities Remote, Completely Online; Ann Ingwalson ; 1 cr.

Aerospace Engineering and Mech (AEM)

2011 Statics

(A-F or Audit; Prereq: PHYS 1301W, [concurrent registration is required (or allowed) in Math 2374 or equiv], CSE)
57960 001 LEC, 09:05-09:55 MWF, Tate Hall 105, In Person; Hamid Mokhtarzadeh ; 3 cr.
57961 002 DIS, 13:25-14:15 T, Akerman Hall 215, In Person; 3 cr.
59431 003 DIS, 09:05-09:55 T, Akerman Hall 313, In Person; 3 cr.

2012 Dynamics

(A-F or Audit; Prereq: 2011, [concurrent registration is required (or allowed) in Math 2373 or equiv], CSE student)
57962 001 LEC, 11:15-12:05 MWF, Akerman Hall 209, In Person; Ryan Caverly ; 3 cr.
57963 002 DIS, 11:15-12:05 T, Akerman Hall 215, In Person; 3 cr.
57964 003 DIS, 13:25-14:15 T, Akerman Hall 211, In Person; 3 cr.
68725 004 DIS, 09:05-09:55 T, Mechanical Engineering 25, In Person; 3 cr.

2021 Statics and Dynamics

(A-F or Audit; Prereq: Phys 1301W, [concurrent registration is required (or allowed) in Math 2374 or equiv], CSE)
57965 001 LEC, 12:20-13:10 MTWF, Rapson Hall 100, In Person; Todd Hesla ; 4 cr.
57967 002 DIS, 12:20-13:10 Th, Akerman Hall 215, In Person; 4 cr.
57968 003 DIS, 15:35-16:25 Th, Akerman Hall 313, In Person; 4 cr.

2031 Mechanics for Materials Engineers

(A-F only; Prereq: Math 2374, Math 2373 (concurrent allowed), Phys 1301W, CSE Student, Materials Engineering Major or premajor)
59930 001 LEC, 13:25-14:15 MWF, Akerman Hall 209, In Person; Ariel Ibarra Pino ; 3 cr.
59931 002 DIS, 10:10-11:00 T, Akerman Hall 313, In Person; 3 cr.
59932 003 DIS, 14:30-15:20 T, Akerman Hall 215, In Person; 3 cr.

2301 Mechanics of Flight

(A-F or Audit; Prereq: PHYS 1301W, [concurrent registration is required (or allowed) in MATH 2373 or equiv], CSE)
57969 001 LEC, 12:20-13:10 MWF, Smith Hall 331, In Person; Maziar Hemati ; 3 cr.

3031 Deformable Body Mechanics

(A-F or Audit; 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)
57970 001 LEC, 13:25-14:15 MWF, Smith Hall 100, In Person; Perry Leo ; 3 cr.
57971 002 DIS, 08:00-08:50 Th, Akerman Hall 211, In Person; 3 cr.
57972 003 DIS, 11:15-12:05 Th, Akerman Hall 215, In Person; 3 cr.
57973 004 DIS, 10:10-11:00 Th, Akerman Hall 317, In Person; 3 cr.
57974 005 DIS, 10:10-11:00 Th, Akerman Hall 313, In Person; 3 cr.
58386 006 DIS, 13:25-14:15 Th, Akerman Hall 215, In Person; 3 cr.
59190 007 DIS, 09:05-09:55 Th, Akerman Hall 313, In Person; 3 cr.
59266 008 DIS, 15:35-16:25 Th, Akerman Hall 215, In Person; 3 cr.
59359 009 DIS, 13:25-14:15 Th, Akerman Hall 211, In Person; 3 cr.

3103 Mathematical Modeling and Simulation in Aerospace Engineering

(A-F only; Prereq: [MATH 2373 or equiv], AEM major)
66293 001 LEC, 16:00-17:15 MW, Bruininks Hall 230, In Person; Demoz Gebre Egziabher ; 3 cr.

3391 Independent Design Project

(A-F only; Prereq: dept consent)
59550 001 IND, 00:00-00:00 , , Independent/Directed Study; 3 cr.

4202 Aerodynamics

(A-F or Audit; Prereq: upper div CSE or grad, 4201)
57979 001 LEC, 10:10-12:05 MW, Lind Hall 302, In Person; Ellen Longmire ; 4 cr.

4203 Aerospace Propulsion

(A-F or Audit; Prereq: 4202, [CSE upper div or grad student])
58326 001 LEC, 12:20-14:15 TTh, Smith Hall 231, In Person; Melissa Green ; 4 cr.

4293 Directed Studies in Fluid Mechanics

(Student Option; Prereq: dept consent)
60097 001 IND, In Person; 1-3 cr.

4301 Orbital Mechanics

(A-F or Audit; Prereq: [2012 or equiv], [MATH 2373 or equiv], [CSE upper div or grad student])
59432 001 LEC, 15:35-16:25 MWF, Akerman Hall 209, In Person; Kirsten Strandjord ; 3 cr.

4303W Flight Dynamics and Control

(A-F or Audit; Prereq: [2012, 2301, 3101, [WRIT 1301 or equiv], [CSE upper div or grad student]] or instr consentW)
57976 001 LEC, 09:05-09:55 MWF, Blegen Hall 5, In Person; Demoz Gebre Egziabher ; 3 cr.

4305 Spacecraft Attitude Dynamics and Control

(A-F or Audit; Prereq: [4301, [3101 or ME 3281 or EE 3015], CSE upper div] or grad student)
59184 001 LEC, 13:25-14:15 MWF, Mechanical Engineering 102, In Person; Ryan Caverly ; 3 cr.

4333 Aerospace Design: Special Projects

(Student Option; Prereq: 4331 or instr consent)
58835 001 DIS, 00:00-00:00 , , In Person; Joseph Mueller ; 3 cr.

4493 Directed Studies in Aerospace

Systems
(Student Option; Prereq: dept consent)
60096 001 IND, In Person; 1-3 cr.

4501 Aerospace Structures

(A-F or Audit; Prereq: CSE upper div or grad, 3031 or equiv)
57977 001 LEC, 13:25-14:15 MWF, Smith Hall 231, In Person; Ryan Elliott ; 3 cr.

4511 Mechanics of Composite Materials

(Student Option; Prereq: 3031 (or 2031 if MatSci), [CSE upper div or grad student])
57978 001 LEC, 12:20-13:10 MWF, Akerman Hall 209, In Person; Perry Leo ; 3 cr.

4593 Directed Studies: Solid Mechanics

(Student Option; Prereq: dept consent)

60095 001 IND, In Person; 1-3 cr.

4601 Instrumentation Laboratory

(A-F or Audit; Prereq: CSci 1113, EE 3005, EE 3006, [upper div BAEM])
58263 001 LEC, 14:30-15:20 MWF, Keller Hall 3-230, In Person; Yohannes Ketema ; 3 cr.
58264 002 LAB, 08:00-11:00 T, Akerman Hall 3, In Person; 3 cr.
58265 003 LAB, 14:30-17:30 T, Akerman Hall 3, In Person; 3 cr.
58266 004 LAB, 08:00-11:00 Th, Akerman Hall 3, In Person; 3 cr.
58267 005 LAB, 14:30-17:30 Th, Akerman Hall 3, In Person; 3 cr.
58268 006 LAB, 08:00-11:00 F, Akerman Hall 3, In Person; 3 cr.
59092 007 LAB, 11:15-14:15 T, Akerman Hall 3, In Person; 3 cr.
59093 008 LAB, 11:15-14:15 Th, Akerman Hall 3, In Person; 3 cr.

4796 Professional Experience

(A-F or Audit; Prereq: CSE upper div, AEM major, dept consent)
58342 001 FWK, 00:00-00:00 , , In Person; Yohannes Ketema ; 3 cr.

4894 Directed Studies: Senior Honors

Thesis
(A-F only; Prereq: Honors student, permission of University Honors Program, AEM major)
59263 001 IND, 00:00-00:00 , , Independent/Directed Study; Yohannes Ketema ; 3 cr.

4896 International Professional Experience

(A-F only; Prereq: CSE upper div, AEM major, dept consent)
59306 001 FWK, 00:00-00:00 , , Independent/Directed Study; Yohannes Ketema ; 3 cr.

Aerospace Studies (AIR)

1000 Leadership Laboratory

(S-N or Audit;)
63497 001 LAB, 16:00-18:00 Th, Armory Building 116, In Person; Jonathan Carter, Michael O'Donnell, Stephanie Servi ; 1 cr.
63502 002 LAB, In Person; Christopher Halvorson, Jonathan Carter ; 1 cr.

1105 Air Force Heritage & Values II

(A-F or Audit;)
63488 001 LEC, 11:15-12:05 Th, Armory Building 105, In Person; Stephanie Servi ; 1 cr.
63489 002 LEC, 15:00-15:50 Th, Armory Building 105, In Person; Drew Wacker, Stephanie Servi ; 1 cr.

1205 Team and Leadership Fundamentals II

(A-F or Audit;)
63491 001 LEC, 13:25-14:15 T, Armory Building 105, In Person; Stephanie Servi ; 1 cr.
63492 002 LEC, 10:10-11:00 T, Armory Building 105, In Person; Cole Johnson, Stephanie Servi ; 1 cr.

3302 Leading People and Effective Communication II

(A-F or Audit; Prereq: 3301 recommended)
63495 001 LEC, 08:00-10:00 Th, Armory Building 116, In Person; Michael O'Donnell ; 1 cr.
63503 002 LEC, In Person; Christopher Halvorson ; 3 cr.

3402 National Security Policy and Leadership Responsibilities II

(A-F or Audit; Prereq: 3401 recommended)
63496 001 LEC, 05:45-08:15 W, Armory Building 105, In Person; Jonathan Carter ; 3 cr.

African Amer & African Studies (AFRO)

1011 Introduction to African American Studies

(Student Option;)
67795 001 LEC, 18:00-19:15 TTh, Blegen Hall 260, In Person; Jonathan Hamilton ; 3 cr.

1131 Contemporary Issues in Africa

(A-F only; ENV)

67288 001 DIS, 13:00-14:15 TTh, Blegen Hall 110, In Person; Bula Wayessa ; 3 cr.

3016 Africa and African Diaspora**Archaeology****(Student Option; GP,HIS)**

67240 001 DIS, 11:15-12:30 TTh, Blegen Hall 240, In Person; Meets With: 001 ANTH 3016001 AFRO 5016001 ANTH 5016; Bula Wayessa ; 3 cr.

3108 Black Music: A History of Jazz**(Student Option;)**

54345 301 LEC, Completely Online; Yolanda Williams ; 3 cr.

3125W Black Visions of Liberation:**Ella, Martin, Malcolm, and the Radical Transformation of U.S. Democracy****(A-F only; CIV,WI)**

65699 001 DIS, 13:00-15:15 M, Blegen Hall 125, In Person; Rose Brewer ; 3 cr.

3301 The Music of Black Americans**(A-F only; AH,DSJ)**

65891 001 DIS, 08:00-09:15 TTh, Ferguson Hall 225, In Person; Meets With: 001 MUS 3301; Yolanda Williams ; 3 cr.

3341 Black Geographies**(Student Option;)**

55839 001 LEC, 09:45-11:00 MW, Blegen Hall 115, In Person; Meets With: 001 GEOG 3341; Adam Bledsoe ; 3 cr.

3432 Modern Africa in a Changing World**(Student Option; GP,HIS)**

68289 001 DIS, 16:00-17:15 MW, Blegen Hall 125, In Person; Meets With: 001 HIST 3432; Nicholas Nyachega ; 3-4 cr.

3433 Economic Development in**Contemporary Africa****(A-F only; Prereq: APEC 1101 or ECON 1101GP,SOCS)**

65685 001 DIS, 13:00-14:15 TTh, Blegen Hall 130, In Person; Meets With: 001 APEC 3061; Tade Okediji ; 3 cr.

3435 Political Dynamics in the Horn of Africa**(Student Option; GP,SOCS)**

55561 001 LEC, 09:45-11:00 MW, Mondale Hall 3, In Person; Meets With: 001 POL 3435; Josef Woldense ; 3 cr.

3592W Introduction to Black Women**Writers in the United States****(A-F only; DSJ,WI,LITR)**

65701 001 LEC, 17:30-20:00 T, Twin Cities Remote, Completely Online; Meets With: 001 ENGL 3592W; Samhar Khalfani ; 3 cr.

3993 Directed Study**(Student Option; Prereq-instr consent, dept consent, college consent.)**

52519 001 IND, In Person; 1-5 cr.

4335 African American Politics**(Student Option;)**

55888 001 LEC, 13:00-14:15 TTh, Mondale Hall 40, In Person; Meets With: 001 POL 4335; Michael Minta ; 3 cr.

4991W Thesis Research and Writing**(A-F or Audit; Prereq: dept consentWI)**

53698 001 IND, In Person; Yuichiro Onishi ; 3 cr.

5016 Africa and African Diaspora**Archaeology****(Student Option; GP,HIS)**

67260 001 DIS, 11:15-12:30 TTh, Blegen Hall 240, In Person; Meets With: 001 ANTH 5016001 AFRO 3016001 ANTH 3016; Bula Wayessa ; 3 cr.

5993 Directed Study**(Student Option; Prereq: instr consent)**

52520 001 IND, In Person; 1-3 cr.

Ag Educ, Comm & Mktg (AECM)**2421W Professional Communication for Agriculture, Food, and the Environment****(A-F or Audit; WI)**

56234 001 LEC, Completely Online; Greta Tank ; 3 cr.
56291 002 DIS, 09:35-10:25 F, Ruttan Hall B30, In Person; Greta Tank ; 3 cr.
56292 004 DIS, 10:40-11:30 F, Ruttan Hall B36, In Person; Greta Tank ; 3 cr.
56314 003 DIS, 10:40-11:30 F, Ruttan Hall B30, In Person; Greta Tank ; 3 cr.
56374 005 DIS, 11:45-12:35 F, Ruttan Hall B36, In Person; Greta Tank ; 3 cr.

3106 Agricultural Policy and Issues in Minnesota**(A-F only; Prereq: 30 credits or instructor approval)**

65911 001 LEC, 08:45-10:00 TTh, Ruttan Hall B30, 08:45-10:00 TTh, ONLINE BLENDED, 08:45-10:00 T, Ruttan Hall B30, 08:45-10:00 T, Ruttan Hall B30, 08:45-10:00 TTh, Ruttan Hall B30, Partially Online; Sarah Domink ; 3 cr.

3125 Ag, Food, and You: Exploring Minnesota Agriculture, Food and Natural Resource Pathways**(A-F only;)**

65912 001 LEC, 12:50-15:30 M, Lrng & Environmental Sci 220, 08:00-17:00 MT, , In Person; Amy Smith ; 3 cr.

3431 Communicating Food, Agriculture & Environmental Science to the Public**(A-F or Audit;)**

56329 001 LEC, 13:30-14:45 TTh, Ruttan Hall B35, In Person; Garrett Steede ; 3 cr.

3434 Utilizing Social Media for Food, Agricultural and Natural Resource Sciences**(A-F only;)**

65914 001 LEC, 10:15-11:30 TTh, Lrng & Environmental Sci 230, In Person; Garrett Steede ; 3 cr.

3462 Podcasting for Science Literacy**(A-F only;)**

56588 001 LEC, 13:30-14:45 MW, Lrng & Environmental Sci 230, In Person; Troy McKay ; 3 cr.

3993 Directed Study in Agricultural Education, Communication & Marketing**(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)**

56375 001 IND, Independent/Directed Study; Amy Smith ; 1-4 cr.

56377 003 IND, Independent/Directed Study; Troy McKay ; 1-4 cr.

67154 004 IND, Independent/Directed Study; Laura Rice ; 1-4 cr.

4432 Advanced Video Production for Agriculture, Food and the Environment**(A-F only; Prereq: AECM 3452 or Instructor Consent)**

56381 001 LEC, 11:45-13:00 MW, Lrng & Environmental Sci 230, In Person; Troy McKay ; 3 cr.

5125W Designing Curriculum & Instruction for Agricultural Education**(Student Option; Prereq: Jr or Sr Ag Ed student, or Ag Ed MS IL student.WI)**

56625 001 LEC, 10:15-11:30 TTh, Lrng & Environmental Sci 220, In Person; Laura Rice ; 3 cr.

65938 002 LEC, Completely Online; Laura Rice ; 3 cr.

5155 Agricultural Education Teaching Seminar**(A-F only; Prereqs: Jr or Sr Ag Ed Student or Ag Ed MS IL student)**

56589 001 LEC, 08:00-16:00 F, Lrng & Environmental Sci 220, 08:00-16:00 F, Lrng & Environmental Sci 220, 08:00-16:00 F, Lrng & Environmental Sci 220, 08:00-16:00 M, Lrng & Environmental Sci 220, In Person; Amy Smith ; 3 cr.

5235 Experiential Learning in Agricultural Education**(Student Option;)**

67752 001 LEC, Completely Online; Laura Rice ; 3 cr.

5280 Current Issues for the Beginning Agricultural Education Teacher**(Student Option;)**

56320 001 LEC, Completely Online; Amy Smith ; 1-3 cr.

5696 Teaching Internship**(A-F only; Prereq: Admission to initial licensure program)**

56676 001 FWK, In Person; Amy Smith, Laura Rice ; 2-10 cr.

5993 Directed Study in Agricultural Education and Extension**(Student Option;)**

55965 001 IND, 00:00-00:00 , , Independent/Directed Study; Amy Smith ; 1-4 cr.

5995 Integrating Paper--Master of Education: Agricultural and Extension Education**(A-F or Audit;)**

55920 001 IND, 00:00-00:00 , , Independent/Directed Study; Amy Smith ; 1-5 cr.

Agronomy and Plant Genetics (AGRO)**1101 Biology of Plant Food Systems****(Student Option; BIOL)**

56274 001 LEC, 13:00-14:15 MW, Bruininks Hall 312, In Person; Jennifer Kimball ; 4 cr.

56275 002 LAB, 09:35-11:35 T, Plant Growth Facility 132, In Person; Jennifer Kimball ; 4 cr.

56276 003 LAB, 11:45-13:45 T, Plant Growth Facility 132, In Person; Jennifer Kimball ; 4 cr.

56277 004 LAB, 13:55-15:55 T, Plant Growth Facility 132, In Person; Jennifer Kimball ; 4 cr.

3093 Directed Study**(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)**

55986 001 IND, 00:00-00:00 , , In Person; Kevin Smith ; 1-4 cr.

3203W Environment, Global Food Production, and the Citizen**(Student Option; GP,WI)**

55942 001 LEC, 13:30-14:45 TTh, Biological Sciences Ctr 64, In Person; Meets With: 001 ANSC 3203W; Mary Raeth, Mary Brakke ; 3 cr.

4093 Directed Studies for Advanced Students**(Student Option; Prereq: 15 cr in agronomy, instr consent)**

68380 001 IND, In Person; 1-4 cr.

68404 002 IND, In Person; Seth Naeve ; 1-4 cr.

68465 003 IND, In Person; Nicholas Jordan ; 1-4 cr.

4094W Undergraduate Directed Thesis Research**(S-N only; WI)**

56313 001 IND, 00:00-00:00 , , In Person; Kevin Smith ; 2 cr.

4096W Professional Experience Program: Internships**(A-F only; WI)**

67158 001 LEC, In Person; Mary Brakke ; 2 cr.

4505 Biology, Ecology, and Management of Invasive Plants**(Student Option; Prereq: 4005, [Bio 3002 or equiv], Soil 2125, [Agro 2501 or Hort 1011])**

56099 001 LEC, 11:45-13:00 TTh, Borlaug Hall 365, In Person; Donald Wyse ; 3 cr.

5121 Applied Experimental Design**(Student Option; Prereq: Stat 5021 or equiv or instr consent)**

56124 001 LEC, 10:15-11:30 MW, Alderman Hall 415, In Person; Nancy Jo Ehlike, Samantha Wells ; 4 cr.

56125 002 DIS, 11:30-12:20 M, Alderman Hall 415, In Person; Nancy Jo Ehlike, Samantha Wells ; 4 cr.

5321 Ecology of Agricultural Systems**(A-F or Audit; Prereq: [3xxx or above] course in [Agro or AnSc or Ent or Hort or PIPa or Soil] or instr consent)**

56279 001 LEC, 11:45-13:00 MW, Borlaug Hall 306, In Person; Nicholas Jordan ; 3 cr.

56280 003 DIS, 13:00-13:50 W, Borlaug Hall 306, In Person; Nicholas Jordan ; 3 cr.

56281 002 DIS, 13:00-13:50 M, Borlaug Hall 306, In Person; Nicholas Jordan ; 3 cr.

5431 Applied Plant Genomics and Bioinformatics

(Student Option; Prereq: Grad student or [undergrad with genetics course])
56355 001 LEC, 12:50-13:40 MW, Ruttan Hall 135B, In Person; Candice Hirsch ; 3 cr.
56356 002 LAB, 13:45-15:30 M, Ruttan Hall 135B, In Person; Candice Hirsch ; 3 cr.

American Indian Studies (AMIN)**1001 Introduction to American Indian & Indigenous Peoples**
(Student Option; DSJ)

54642 001 DIS, Completely Online; Vicente Diaz ; 3 cr.

1003 American Indians in Minnesota
(A-F or Audit; DSJ,HIS)

53367 001 LEC, 09:45-11:00 MW, Nicholson Hall 35, In Person; Alex Ghebregzi ; 3 cr.
53718 002 LEC, 11:15-12:30 MW, Nicholson Hall 35, In Person; Alex Ghebregzi ; 3 cr.
54643 003 LEC, 16:00-18:30 Th, Nicholson Hall 35, In Person; Katherine Beane ; 3 cr.

3107 The Structure of Anishinaabemowin: The Ojibwe Language

(A-F or Audit;)
67802 001 DIS, 14:30-15:45 TTh, Akerman Hall 209, In Person; Meets With: 001 AMIN 5107; Nora Livesay ; 3 cr.

3201W American Indian Literature
(A-F only; DSJ,WI,LITR)

52496 002 LEC, 16:00-17:15 TTh, Wulling Hall 240, In Person; Melissa Cundieff ; 3 cr.
54368 001 LEC, 13:00-14:15 TTh, Wulling Hall 240, In Person; Christopher Pexa ; 3 cr.

3301 American Indian Philosophies
(Student Option; AH,DSJ)

52111 001 LEC, 13:00-14:15 MW, Nicholson Hall 315, In Person; Meets With: 001 RELS 3321; Alex Ghebregzi ; 3 cr.

3604 Indigenous Immersion Methods for the Home, Classroom, and Community
(A-F only; Prereq: OJIB 3104, DAKO 3124 or four semesters of another target language, or with instructor approval.)

54020 001 LEC, 12:20-13:10 MWF, Scott Hall 4, In Person; Zoe Brown ; 3 cr.

4501 Law, Sovereignty, and Treaty Rights
(Student Option; Prereq: 1001)

68623 001 LEC, 11:15-12:30 TTh, Mechanical Engineering 102, In Person; Nick Estes ; 3 cr.

4821W Capstone Seminar
(A-F only; WI)

66117 001 IND, 14:00-16:30 W, Wulling Hall 220, In Person; Melanie Yazzie ; 3 cr.

4994 Directed Research

(Student Option; Prereq:instr consent, dept consent, college consent.)

52523 001 IND, In Person; 1-12 cr.
55008 002 IND, In Person; 1-12 cr.
55021 003 IND, In Person; Zoe Brown ; 1-12 cr.

4996 Field Study

(Student Option; Prereq:instr consent, dept consent, college consent.)

52251 001 FWK, In Person; 1-12 cr.

5107 The Structure of Anishinaabemowin: The Ojibwe Language

(A-F or Audit;)
67803 001 DIS, 14:30-15:45 TTh, Akerman Hall 209, In Person; Meets With: 001 AMIN 3107; Nora Livesay ; 3 cr.

5890 Readings in American Indian and Indigenous History

(Student Option; Prereq: Advanced undergrad with instr consent or grad student)
55837 001 LEC, 13:25-15:20 W, Walter W Heller Hall 1229, In Person; Meets With: 001 HIST 5890; Jean O'Brien ; 3 cr.

5991 Graduate Level Directed Studies
(A-F or Audit; Prereq: dept consent)

55887 001 IND, In Person; Vicente Diaz ; 1-6 cr.

American Sign Language (ASL)**1701 American Sign Language I**

(Student Option;)
50281 001 DIS, Completely Online; Jonathan Penny ; 5 cr.
50282 002 DIS, Completely Online; Jonathan Penny ; 5 cr.
50283 003 DIS, 08:30-10:25 MW, Lrng & Environmental Sci 140C, In Person; Brittney Stanek ; 5 cr.
50284 004 DIS, 12:50-14:45 MW, Lrng & Environmental Sci 140C, In Person; Brittney Stanek ; 5 cr.
50285 005 DIS, 15:00-16:55 MW, Lrng & Environmental Sci 140C, In Person; Nishani McCluskey ; 5 cr.
50286 006 DIS, 17:10-21:00 M, Lrng & Environmental Sci 140C, In Person; Bradley Hardin ; 5 cr.
50287 007 DIS, 08:30-10:25 TTh, Lrng & Environmental Sci 140C, In Person; Leah Dolezal ; 5 cr.
50778 009 DIS, 12:50-14:45 TTh, Lrng & Environmental Sci 140C, In Person; Leah Dolezal ; 5 cr.
51132 008 DIS, 10:40-12:35 TTh, Lrng & Environmental Sci 140C, In Person; Shirley Applebee ; 5 cr.

1702 American Sign Language II

(Student Option; Prereq: 1701 with grade of at least [S or C-] or dept consent)

50288 002 DIS, Completely Online; Bradley Hardin ; 5 cr.
50289 003 DIS, 08:30-10:25 MW, Lrng & Environmental Sci 140B, In Person; Nishani McCluskey ; 5 cr.
50290 004 DIS, 10:40-12:35 MW, Lrng & Environmental Sci 140B, In Person; Jonathan Penny ; 5 cr.
50291 005 DIS, 12:50-14:45 TTh, Lrng & Environmental Sci 140B, In Person; Bradley Neubarth ; 5 cr.
50292 006 DIS, 15:00-16:55 TTh, Lrng & Environmental Sci 140C, In Person; Bradley Neubarth ; 5 cr.
50495 001 DIS, Completely Online; Leah Dolezal ; 5 cr.
51622 007 DIS, 17:10-21:00 T, Lrng & Environmental Sci 140C, In Person; Shirley Applebee ; 5 cr.

3703 American Sign Language III

(Student Option; Prereq: 1702 with grade of at least [S or C-] or dept consent)

50293 001 DIS, 12:50-14:45 MW, Lrng & Environmental Sci 140B, In Person; Bradley Neubarth ; 5 cr.
50294 002 DIS, 17:10-21:00 M, Lrng & Environmental Sci 140B, In Person; Bradley Neubarth ; 5 cr.
50295 003 DIS, 08:30-10:25 TTh, Lrng & Environmental Sci 140B, In Person; Nishani McCluskey ; 5 cr.
50496 004 DIS, 12:50-14:45 TTh, Lrng & Environmental Sci 140A, In Person; Nishani McCluskey ; 5 cr.

3704 American Sign Language IV

(Student Option; Prereq: 3703 with grade of at least [S or C-] or dept consent)

50296 002 DIS, 12:50-14:45 MW, Lrng & Environmental Sci 140A, In Person; Shirley Applebee ; 5 cr.
50297 003 DIS, 10:40-12:35 TTh, Lrng & Environmental Sci 140B, In Person; Bradley Hardin ; 5 cr.
50494 004 DIS, 15:00-16:55 TTh, Lrng & Environmental Sci 140B, In Person; Bradley Hardin ; 5 cr.
51120 001 DIS, 08:30-10:25 MW, Lrng & Environmental Sci 140A, In Person; Shirley Applebee ; 5 cr.
67607 005 DIS, 17:10-21:00 T, Lrng & Environmental Sci 140B, In Person; Brittney Stanek ; 5 cr.

American Studies (AMST)**1012 Migrants, Refugees, Citizens, and Exiles: The U.S. on an Immigrant Planet**
(Student Option; CIV)

53968 001 LEC, 13:00-14:15 MW, Nicholson Hall 120, In Person; 3 cr.

1511 Americans Abroad: Rethinking Travel, Culture, & Empire
(Student Option; GP,HIS)

54359 001 LEC, 13:00-14:15 MW, Burton Hall 125, In Person; Molly Ball ; 3 cr.

2011 The United States since September 11
(Student Option; CIV,HIS)

53566 001 LEC, 13:00-14:15 TTh, 10 Church Street SE 100, In Person; Kale Fajardo ; 3 cr.

2031 Chasing the American Dream: Economic Opportunity & Inequality in the U.S.

(Student Option; DSJ,HIS)
54005 001 LEC, 09:45-11:00 TTh, Blegen Hall 317, In Person; Molly Ball ; 3 cr.

55270 002 LEC, 14:30-15:45 TTh, Wulling Hall 240, In Person; 3 cr.

3112 Prince, Porn, and Public Space: The Cultural Politics of the Twin Cities in the 1980s

(Student Option; DSJ,HIS)
54086 001 LEC, 11:15-12:30 MW, Rapson Hall 45, In Person; David Karjanen ; 3 cr.

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

(Student Option; CIV,WI,HIS)
53052 001 LEC, 11:15-12:30 TTh, Tate Hall B50, In Person; Martin Manalansan ; 4 cr.
53194 002 DIS, 13:25-14:15 T, Ford Hall 127, In Person; Martin Manalansan ; 4 cr.
53195 004 DIS, 14:30-15:20 T, Wulling Hall 220, In Person; Martin Manalansan ; 4 cr.
53196 008 DIS, 13:25-14:15 Th, Ford Hall 127, In Person; Martin Manalansan ; 4 cr.
53197 009 DIS, 14:30-15:20 Th, Ford Hall 127, In Person; Martin Manalansan ; 4 cr.

3896 Internship for Academic Credit
(Student Option;)

55272 001 IND, Independent/Directed Study; David Karjanen ; 1-4 cr.

3993 Directed Studies

(Student Option; Prereq: instr consent)
52229 001 IND, 00:00-00:00 , In Person; 1-9 cr.
55009 002 IND, In Person; Elliott Powell ; 1-9 cr.
55028 003 IND, In Person; Kevin Murphy ; 1-9 cr.
55034 004 IND, Independent/Directed Study; David Karjanen ; 1-9 cr.

4101 Gender, Sexuality, and Politics in America

(Student Option; DSJ,HIS)
55273 001 LEC, 13:00-14:15 MW, Appleby Hall 319, In Person; Jennifer Pierce ; 3 cr.

4962W Proseminar in American Studies
(Student Option No Audit; Prereq: AmSt sr or instr consentWI)

52953 001 LEC, 13:00-14:15 TTh, Appleby Hall 319, In Person; Jennifer Pierce ; 3 cr.

Anatomy (ANAT)**3651 Principles of Human Anatomy with Cadaver Laboratory**

(A-F only; Prereq: [BIOL 1002 or BIOL 1009 or BIOL 2002 or equiv], at least soph)
67405 001 LEC, 09:05-09:55 MWF, Mayo Bldg & Additions Auditor, In Person; Anthony Weinhaus ; 5 cr.
67406 002 LEC, 16:30-17:45 TTh, Molecular Cellular Biol 3-120, In Person; Anthony Weinhaus ; 5 cr.
67407 003 LAB, 10:10-12:05 M, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.
67408 004 LAB, 12:20-14:15 M, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.
67409 005 LAB, 14:30-16:25 M, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.
67410 006 LAB, 10:10-12:05 T, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.
67411 007 LAB, 12:20-14:15 T, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.
67412 008 LAB, 14:30-16:25 T, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.
67413 009 LAB, 10:10-12:05 W, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.
67414 010 LAB, 12:20-14:15 W, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.
67415 011 LAB, 18:00-20:00 M, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.
67416 012 LAB, 18:00-20:00 W, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.
67417 013 LAB, 18:00-20:00 Th, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 5 cr.

3658H Principles of Honors in Human Anatomy with Cadaver Laboratory
(A-F only; Prereq: [BIOL 1002 or BIOL 1009 or BIOL 2002 or equiv], at least soph. The course director will not allow students to register after the class has started. This course has mandatory orientation sessions that cannot be missed. Principles of Human Anatomy (ANAT 3651, lecture and lab components) is offered in the spring. Human Anatomy (ANAT 3001, has

only a lecture component) is offered in fall. ANAT 3651 and ANAT 3001 are not equivalent. A student in need of a lab component must register for ANAT 3651.)

- 67307 001 LEC, 09:05-09:55 MWF, Mayo Bldg & Additions Auditori, In Person; Anthony Weinhaus ; 6 cr.
 67308 002 LEC, 16:30-17:45 TTh, Molecular Cellular Biol 3-120, In Person; Anthony Weinhaus ; 6 cr.
 67309 003 LAB, 09:05-12:05 Th, Jackson Hall 5-151, 10:10-12:05 M, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 6 cr.
 67310 004 LAB, 09:05-12:05 Th, Jackson Hall 5-151, 12:20-14:15 M, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 6 cr.
 67311 005 LAB, 09:05-12:05 Th, Jackson Hall 5-151, 14:30-16:25 M, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 6 cr.
 67312 006 LAB, 09:05-12:05 Th, Jackson Hall 5-151, 10:10-12:05 T, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 6 cr.
 67313 007 LAB, 09:05-12:05 Th, Jackson Hall 5-151, 12:20-14:15 T, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 6 cr.
 67314 008 LAB, 09:05-12:05 Th, Jackson Hall 5-151, 14:30-16:25 T, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 6 cr.
 67315 009 LAB, 09:05-12:05 Th, Jackson Hall 5-151, 10:10-12:05 W, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 6 cr.
 67316 010 LAB, 09:05-12:05 Th, Jackson Hall 5-151, 12:20-14:15 W, Jackson Hall 5-151, In Person; Anthony Weinhaus ; 6 cr.

4900 Directed Studies in Anatomy

(S-N only; Prereq: instr consent)

- 61216 001 IND, 00:00-00:00 , , In Person; Anthony Weinhaus ; 1-6 cr.

Anesthesiology (ANES)

5588 Advanced Clinical Physiology II for Nurse Anesthetists

(A-F or Audit; Prereq: Advanced Clinical Physiology I for Nurse Anesthetists)

- 61056 001 LEC, In Person; 3 cr.

Animal Science (ANSC)

1011 Animals and Society

(Student Option; CIV)

- 56387 001 LEC, Completely Online; Rielle Swanson ; 3 cr.

1101 Introductory Animal Science

(Student Option;)

- 55960 001 LEC, 08:30-09:20 MWF, Ruttan Hall B45, In Person; Anthony Seykora ; 4 cr.
 55961 002 LAB, 10:40-12:35 Th, Haecker Hall 365, In Person; Anthony Seykora ; 4 cr.
 55962 003 LAB, 12:50-14:45 Th, Haecker Hall 365, In Person; Anthony Seykora ; 4 cr.

1201 Backyard Chickens - Science and Practice

(Student Option;)

- 56325 001 LEC, Completely Online; Anup Kollanoor Johnny ; 3 cr.

1205 Animal Handling - Livestock

(A-F only;)

- 56326 001 LAB, 15:00-17:00 F, No Room Required, In Person; Anthony Seykora ; 1 cr.

1403 Companion Animal Nutrition and Care

(Student Option;)

- 55971 001 LEC, Completely Online; Marshall Stern ; 3 cr.

1903 Fork to Fine Dining: Food Systems and Sustainability in France

(A-F only; ENV,GP)

- 68415 001 LEC, 15:00-16:15 W, Haecker Hall 365, In Person; Michael White ; 3 cr.

2012 Livestock and Carcass Evaluation

(Student Option;)

- 55963 001 LAB, 15:00-16:55 TTh, Andrew Boss Laboratory 125, In Person; Kyle Rozeboom ; 3 cr.

3007 Equine Nutrition

(Student Option; Prereq: 2401)

- 56621 001 LEC, 10:15-11:30 Th, Ruttan Hall B30, Partially Online; Mary Raeth ; 3 cr.

3092 Undergraduate Research in Animal Science

(A-F only;)

- 56228 001 IND, Independent/Directed Study; 1-3 cr.

3141 Advanced Dairy Judging

(Student Option; Prereq: 2011 or instr consent)

- 56021 001 LAB, 15:00-17:30 W, Haecker Hall 265G, In Person; Les Hansen ; 1 cr.

3203W Environment, Global Food Production, and the Citizen

(Student Option; GP,WI)

- 56129 001 LEC, 13:30-14:45 TTh, Biological Sciences Ctr 64, In Person; Meets With: 001 AGRO 3203W; Mary Raeth, Mary Brakke ; 3 cr.

3301 Human and Animal Physiology

(Student Option; Prereq: Must have taken a Biology and Chemistry course. Biol 1009 or equivalent is strongly recommended.)

- 56237 001 LEC, 13:55-14:45 MWF, Biological Sciences Ctr 64, In Person; Meets With: 001 ANSC 3303W; Melissa Palmer ; 3 cr.

3302 Human and Animal Physiology Laboratory

(Student Option; Prereq: 3301 or concurrent registration is required (or allowed) in 3301)

- 56297 002 LAB, 10:40-12:35 W, Animal Science / Vet Med 448, In Person; Melissa Palmer ; 1 cr.

3303W Human and Animal Physiology with lab

(A-F only; Prereq: Biol 1009 or equivalent is strongly recommended.WI)

- 65664 001 LEC, 13:55-14:45 MWF, Biological Sciences Ctr 64, In Person; Meets With: 001 ANSC 3301; Melissa Palmer ; 4 cr.

- 65665 002 LAB, 12:50-14:45 T, Animal Science / Vet Med 448, In Person; Melissa Palmer ; 4 cr.

- 65667 004 LAB, 10:40-12:35 M, Animal Science / Vet Med 448, In Person; Melissa Palmer ; 4 cr.

- 65668 005 LAB, 12:50-14:45 Th, Animal Science / Vet Med 448, In Person; Melissa Palmer ; 4 cr.

- 65669 006 LAB, 10:40-12:45 F, Animal Science / Vet Med 448, In Person; Melissa Palmer ; 4 cr.

- 65670 007 LAB, 17:00-18:55 T, Animal Science / Vet Med 448, In Person; Melissa Palmer ; 4 cr.

3307 Artificial Insemination Techniques

(S-N or Audit; Prereq: instr consent)

- 67183 001 LAB, In Person; Anthony Seykora ; 1 cr.

3403 Companion Animal Hot Button Issues

(Student Option;)

- 67429 001 LEC, 11:45-13:00 TTh, Haecker Hall 205, In Person; Rielle Swanson ; 3 cr.

3609 Business Planning for Animal

Enterprises

(Student Option;)

- 56343 001 LEC, 13:55-15:55 F, Haecker Hall 205, In Person; Samuel Baidoo, Anup Kollanoor Johnny ; 2 cr.

3801 Livestock Merchandising

(Student Option; Prereq: Jr or sr or instr consent)

- 66156 001 LEC, 09:35-10:20 MWF, Haecker Hall 205, In Person; Kyle Rozeboom ; 3 cr.

4009W Undergraduate Research Thesis

(A-F or Audit; Prereq: Jr or sr major in AnSc, instr consentWI)

- 55984 001 IND, 00:00-00:00 , , In Person; Laura Mauro ; 1-6 cr.
 56557 002 IND, Independent/Directed Study; Andres M Gomez Zapata ; 1-6 cr.

- 56582 003 IND, Independent/Directed Study; Anup Kollanoor Johnny ; 1-6 cr.

4011 Dairy Cattle Genetics

(Student Option; Prereq: (prereq 3221, previous or current registration in 4604, at least junior status))

- 56020 001 LEC, 11:45-12:35 MWF, Haecker Hall 205, In Person; Les Hansen ; 3 cr.

4092 Special Problems in Animal Science

(Student Option; Prereq: instr consent)

- 68753 001 IND, In Person; Melissa Gardner ; 1-4 cr.

4093 Tutorial in Animal Science

(Student Option; Prereq: instr consent)

- 68411 001 IND, In Person; Marcia Endres ; 1-4 cr.

4096 Professional Experience Program: Internship

(S-N only; Prereq: CFANS undergrad, instr consent, agreement form)

- 55972 001 FWK, 00:00-00:00 , , In Person; Milena Saqui-Salces ; 1-3 cr.
 56205 002 FWK, 00:00-00:00 , , Independent/Directed Study; Brian Crooker ; 1-3 cr.
 56206 003 FWK, Independent/Directed Study; Kyle Rozeboom ; 1-3 cr.
 56207 004 FWK, Independent/Directed Study; Gerald Shurson ; 1-3 cr.
 56208 005 FWK, 00:00-00:00 , , Independent/Directed Study; Anup Kollanoor Johnny ; 1-3 cr.
 56209 006 FWK, 00:00-00:00 , , Independent/Directed Study; Les Hansen ; 1-3 cr.
 56210 007 FWK, 00:00-00:00 , , Independent/Directed Study; Christopher Faulk ; 1-3 cr.
 56211 008 FWK, 00:00-00:00 , , Independent/Directed Study; Scott OGrady ; 1-3 cr.
 56212 009 FWK, 00:00-00:00 , , Independent/Directed Study; Rielle Swanson ; 1-3 cr.
 56213 010 FWK, 00:00-00:00 , , Independent/Directed Study; Laura Mauro ; 1-3 cr.
 56214 011 FWK, Independent/Directed Study; Melissa Palmer ; 1-3 cr.
 56215 012 FWK, 00:00-00:00 , , Independent/Directed Study; Anthony Seykora ; 1-3 cr.
 56216 013 FWK, 00:00-00:00 , , Independent/Directed Study; ; 1-3 cr.
 56217 014 FWK, 00:00-00:00 , , Independent/Directed Study; 1-3 cr.
 56218 015 FWK, 00:00-00:00 , , Independent/Directed Study; 1-3 cr.
 56219 016 FWK, 00:00-00:00 , , Independent/Directed Study; 1-3 cr.
 56224 017 FWK, Independent/Directed Study; 1-3 cr.
 56233 018 FWK, Independent/Directed Study; 1-3 cr.
 56243 019 FWK, Independent/Directed Study; 1-3 cr.

4099 Special Workshop in Animal Science

(Student Option; Prereq: instr consent)

- 56537 001 IND, Independent/Directed Study; Anthony Seykora ; 1-4 cr.
 56554 002 IND, Independent/Directed Study; Kyle Rozeboom ; 1-4 cr.

4403 Ruminant Nutrition of Production & Exotic Animals

(Student Option;)

- 55970 001 LEC, 10:00-11:15 T, McNeal Hall 146, Partially Online; Mary Raeth ; 3 cr.

4404 Applied Dairy Nutrition

(Student Option; Prereq: AnSc 4403 recommended)

- 68743 001 LEC, 12:50-14:45 Th, Ruttan Hall B26, In Person; Isaac Salfer ; 2 cr.

4602 Sheep Production Systems Management

(Student Option;)

- 56225 001 LEC, 12:50-13:40 MWF, Haecker Hall 205, In Person; Kyle Rozeboom ; 4 cr.
 56226 002 LAB, 13:50-15:30 W, Haecker Hall 205, In Person; Kyle Rozeboom ; 4 cr.

5099 Special Workshop in Animal Science

(Student Option; Prereq: instr consent)

- 65659 001 LEC, In Person; Lee Johnston ; 1-6 cr.

5626 Nutritional Physiology

(A-F only;)

- 56307 001 LEC, 10:00-11:15 TTh, Andrew Boss Laboratory 125, In Person; Meets With: 001 NUTR 5626; Leena Hilakivi-Clarke ; 3 cr.

Anthropology (ANTH)

1001 Human Evolution

(Student Option; BIOL)

- 51971 001 LEC, 11:15-12:30 TTh, Willey Hall 175, In Person; Kieran McNulty, Maria Nieves Colon ; 4 cr.
 51972 003 LAB, 11:15-13:15 M, Blegen Hall 345, In Person; 4 cr.
 51973 004 LAB, 13:30-15:30 M, Blegen Hall 345, In Person; 4 cr.
 51974 005 LAB, 15:45-17:45 M, Blegen Hall 345, In Person; 4 cr.
 51975 006 LAB, 08:45-10:45 T, Blegen Hall 345, In Person; 4 cr.

51976 007 LAB, 13:00-15:00 T, Blegen Hall 345, In Person; 4 cr.
 51977 008 LAB, 15:15-17:15 T, Blegen Hall 345, In Person; 4 cr.
 51978 009 LAB, 09:00-11:00 W, Blegen Hall 345, In Person; 4 cr.
 51979 010 LAB, 11:15-13:15 W, Blegen Hall 345, In Person; 4 cr.
 51980 011 LAB, 13:30-15:30 W, Blegen Hall 345, In Person; 4 cr.
 51981 013 LAB, 13:00-15:00 Th, Blegen Hall 345, In Person; 4 cr.
 52240 002 LAB, 09:00-11:00 M, Blegen Hall 345, In Person; 4 cr.
 53845 012 LAB, 09:05-11:00 Th, Blegen Hall 345, In Person; 4 cr.
 55371 014 LAB, 15:15-17:15 Th, Blegen Hall 345, In Person; 4 cr.
 55402 015 LEC, 18:00-21:00 W, Blegen Hall 155, In Person; Maud Mougint; 4 cr.
 55403 016 LAB, 18:00-20:00 Th, Blegen Hall 345, In Person; 4 cr.
 55404 017 LAB, 18:00-20:00 M, Blegen Hall 345, In Person; 4 cr.
 68217 018 LAB, 11:15-13:15 F, Blegen Hall 345, In Person; 4 cr.

1003V Understanding Cultures: Honors (A-F only; Prereq: HonorsGP,WI,SOCS)

53347 001 LEC, 09:45-11:00 TTh, Anderson Hall 210, In Person; Meets With: 001 ANTH 1003W; Serra Hakyemez; 4 cr.
 53612 002 DIS, 11:15-12:05 Th, Twin Cities Remote, Completely Online; Serra Hakyemez; 4 cr.

1003W Understanding Cultures (Student Option; GP,WI,SOCS)

52534 001 LEC, 09:45-11:00 TTh, Anderson Hall 210, In Person; Meets With: 001 ANTH 1003V; Serra Hakyemez; 4 cr.
 53607 002 DIS, 14:30-15:20 M, Blegen Hall 115, In Person; 4 cr.
 53608 003 DIS, 11:15-12:05 T, Blegen Hall 205, In Person; 4 cr.
 53609 004 DIS, 11:15-12:05 T, Blegen Hall 260, In Person; 4 cr.
 53610 005 DIS, 14:30-15:20 T, Blegen Hall 260, In Person; 4 cr.
 53611 006 DIS, 10:10-11:00 W, Blegen Hall 335, In Person; 4 cr.
 55369 008 DIS, 11:15-12:05 Th, Blegen Hall 205, In Person; 4 cr.
 55370 009 DIS, 11:15-12:05 Th, Blegen Hall 260, In Person; 4 cr.
 55405 020 LEC, 18:00-21:10 T, Twin Cities Remote, Completely Online; Megan Moore; 4 cr.

1918 Justice?

(Student Option; GP)
 67172 001 DIS, 16:00-19:00 W, Blegen Hall 335, In Person; Aisha Ghani; 3 cr.

2006 Humans and Aliens: Learning Anthropology through Science Fiction (Student Option; GP)

65616 001 LEC, 09:05-09:55 MWF, Hubert H. Humphrey School 35, In Person; Meets With: 001 ANTH 3006; Gilbert Tostevin; 3 cr.

3002 Sex, Evolution, and Behavior: Examining Human Evolutionary Biology (A-F or Audit;)

53346 001 LEC, 09:45-11:00 TTh, West Bank Skyway 20, In Person; Meets With: 001 EEB 3002; Michael Wilson; 4 cr.
 53372 002 LAB, 10:10-11:00 M, Blegen Hall 318, In Person; Meets With: 002 EEB 3002; 4 cr.
 53373 003 LAB, 11:15-12:05 T, Blegen Hall 318, In Person; Meets With: 003 EEB 3002; 4 cr.
 53374 004 LAB, 13:25-14:15 T, Blegen Hall 318, In Person; Meets With: 004 EEB 3002; 4 cr.
 53375 005 LAB, 11:15-12:05 Th, Blegen Hall 318, In Person; Meets With: 005 EEB 3002; 4 cr.
 68761 006 LAB, 11:15-12:05 M, Blegen Hall 318, In Person; Meets With: 006 EEB 3002; Michael Wilson; 4 cr.
 68762 007 LAB, 12:20-13:10 Th, Blegen Hall 318, In Person; Meets With: 007 EEB 3002; Michael Wilson; 4 cr.

3003 Cultural Anthropology (Student Option;)

53603 001 LEC, 11:15-12:30 MW, Blegen Hall 255, In Person; Deniz Coral; 3 cr.

3006 Humans and Aliens: Learning Anthropology through Science Fiction

(Student Option; GP)
 65617 001 LEC, 09:05-09:55 MWF, Hubert H. Humphrey School 35, In Person; Meets With: 001 ANTH 2006; Gilbert Tostevin; 3 cr.

3008 Introduction to Flintknapping (A-F or Audit;)

65618 001 LAB, 14:00-16:30 W, Blegen Hall 318, In Person; Meets With: 001 ANTH 5008; Gilbert Tostevin; 3 cr.

3016 Africa and African Diaspora Archaeology (Student Option; GP,HIS)

67247 001 DIS, 11:15-12:30 TTh, Blegen Hall 240, In Person; Meets With: 001 AFRO 5016001 AFRO 3016001 ANTH 5016; Bula Wayessa; 3 cr.

3027W Archaeology of Prehistoric Europe (Student Option; HIS,WI)

55203 001 LEC, 09:45-11:00 TTh, Anderson Hall 230, In Person; Meets With: 001 HIST 3067W001 ANTH 5027W; Peter Wells; 3 cr.

3047W Anthropology of Sex, Gender and Sexuality (Student Option; WI)

65646 001 LEC, Completely Online; Erin Durban; 3 cr.

3306W Medical Anthropology

(A-F or Audit; Prereq: 1003 or 1005 or entry level soc sci course recommendedGP,WI)

53838 001 LEC, Completely Online; Karen-Sue Taussig; 3 cr.

3310 Topics in Biological and Physical Anthropology (Student Option;)

68386 001 LEC, 14:30-15:45 TTh, Blegen Hall 215, In Person; Maria Nieves Colon; 3-6 cr.

3980 Topics in Anthropology

(Student Option;)
 67998 001 LEC, 09:00-11:30 M, Hubert H. Humphrey School 50A, In Person; Meets With: 001 ANTH 5980; Gilliane Monnier; 3 cr.

3993 Directed Study for Capstone Project Preparation

(A-F only; Prereq: [Jr or sr] anth major, instr consent)
 53429 010 IND, In Person; Maria Nieves Colon; 1 cr.

4003W Contemporary Perspectives in Cultural Anthropology (A-F or Audit; Prereq: [1003 or 1005], or instr consentWI)

55463 001 LEC, 09:45-11:00 MW, Blegen Hall 215, In Person; Hoon Song; 3 cr.

4007 Laboratory Techniques in Archaeology (Student Option; Prereq: instr consent)

52956 001 FWK, 00:00-00:00 , In Person; Matt Edling; 1-4 cr.

4013H Capstone Project Writing Seminar (A-F only; Prereq: Sr major, honors student, instr consent)

55224 001 DIS, 09:30-12:00 F, Blegen Hall 135, In Person; Meets With: 001 ANTH 4013W; 3 cr.

4013W Capstone Project Writing Seminar (A-F only; Prereq: sr major, instr consentWI)

55223 001 DIS, 09:30-12:00 F, Blegen Hall 135, In Person; Meets With: 001 ANTH 4013H; 3 cr.

4019 Symbolic Anthropology

(Student Option; Prereq: 1003 or 1005 or grad student or instr consent)

55205 001 LEC, 14:30-15:45 TTh, Blegen Hall 115, In Person; Hoon Song; 3 cr.

4043 Romans, Anglo-Saxons and Vikings: Archaeology of Northern Europe (Student Option;)

53980 001 LEC, 14:00-16:30 T, Carlson School of Mgmt 2-224, In Person; Meets With: 001 MEST 4043; Peter Wells; 3 cr.

4047 Anthropology of American Culture (Student Option; SOCS)

65647 001 LEC, 09:45-11:00 MW, Hubert H. Humphrey School 20, In Person; David Valentine; 3 cr.

4093 In-Class Capstone Project

(A-F only;)

54742 001 IND, In Person; Erin Durban; 1 cr.
 54743 002 IND, In Person; Aisha Ghani; 1 cr.
 54744 003 IND, In Person; Serra Hakyemez; 1 cr.
 54745 004 IND, In Person; Kat Hayes; 1 cr.
 54746 005 IND, In Person; Karen Ho; 1 cr.
 54747 006 IND, In Person; David Lipset; 1 cr.
 54748 007 IND, In Person; Stuart McLean; 1 cr.
 54749 008 IND, In Person; Kieran McNulty; 1 cr.
 54750 009 IND, In Person; Gilliane Monnier; 1 cr.
 54751 010 IND, In Person; Maria Nieves Colon; 1 cr.
 54752 011 IND, In Person; Hoon Song; 1 cr.
 54753 012 IND, In Person; Martha Tappen; 1 cr.
 54754 013 IND, In Person; Karen-Sue Taussig; 1 cr.
 54755 014 IND, In Person; Gilbert Tostevin; 1 cr.
 54756 015 IND, In Person; David Valentine; 1 cr.
 54757 016 IND, In Person; Peter Wells; 1 cr.

4344 Europe and its Margins

(A-F only; Prereq: One course in [ANTH or GLOS])
 67654 001 LEC, 09:45-11:00 TTh, Blegen Hall 435, In Person; Meets With: 001 GLOS 4344; Stuart McLean; 3 cr.

4991 Independent Study

(Student Option; Prereq: instr consent)

53438 003 IND, 00:00-00:00 , In Person; Serra Hakyemez; 1-6 cr.
 53439 004 IND, 00:00-00:00 , In Person; Kat Hayes; 1-6 cr.
 53440 005 IND, 00:00-00:00 , In Person; Karen Ho; 1-6 cr.
 53441 006 IND, 00:00-00:00 , In Person; David Lipset; 1-6 cr.
 53442 008 IND, 00:00-00:00 , In Person; Kieran McNulty; 1-6 cr.
 53443 009 IND, 00:00-00:00 , In Person; Gilliane Monnier; 1-6 cr.
 53444 010 IND, 00:00-00:00 , In Person; Maria Nieves Colon; 1-6 cr.
 53445 011 IND, 00:00-00:00 , In Person; Hoon Song; 1-6 cr.
 53446 012 IND, 00:00-00:00 , In Person; Martha Tappen; 1-6 cr.
 53447 013 IND, 00:00-00:00 , In Person; Karen-Sue Taussig; 1-6 cr.
 53448 014 IND, 00:00-00:00 , In Person; Gilbert Tostevin; 1-6 cr.
 53449 015 IND, 00:00-00:00 , In Person; David Valentine; 1-6 cr.
 53450 016 IND, 00:00-00:00 , In Person; Peter Wells; 1-6 cr.
 54266 001 IND, In Person; Erin Durban; 1-6 cr.
 54267 002 IND, In Person; Aisha Ghani; 1-6 cr.
 54268 007 IND, In Person; Stuart McLean; 1-6 cr.

4992 Directed Readings

(Student Option; Prereq: instr consent)

51983 001 IND, 00:00-00:00 , In Person; Erin Durban; 1-6 cr.
 53453 003 IND, 00:00-00:00 , In Person; Serra Hakyemez; 1-6 cr.
 53454 004 IND, 00:00-00:00 , In Person; Kat Hayes; 1-6 cr.
 53455 005 IND, 00:00-00:00 , In Person; Karen Ho; 1-6 cr.
 53456 006 IND, 00:00-00:00 , In Person; David Lipset; 1-6 cr.
 53457 008 IND, 00:00-00:00 , In Person; Kieran McNulty; 1-6 cr.
 53458 009 IND, 00:00-00:00 , In Person; Gilliane Monnier; 1-6 cr.
 53459 010 IND, 00:00-00:00 , In Person; Maria Nieves Colon; 1-6 cr.
 53460 011 IND, 00:00-00:00 , In Person; Hoon Song; 1-6 cr.
 53461 012 IND, 00:00-00:00 , In Person; Martha Tappen; 1-6 cr.
 53462 013 IND, 00:00-00:00 , In Person; Karen-Sue Taussig; 1-6 cr.
 53463 014 IND, 00:00-00:00 , In Person; Gilbert Tostevin; 1-6 cr.
 53464 015 IND, 00:00-00:00 , In Person; David Valentine; 1-6 cr.
 53465 016 IND, 00:00-00:00 , In Person; Peter Wells; 1-6 cr.
 54270 002 IND, In Person; Aisha Ghani; 1-6 cr.
 54271 007 IND, In Person; Stuart McLean; 1-6 cr.

4993 Directed Study

(Student Option; Prereq: instr consent)

51984 001 IND, 00:00-00:00 , In Person; Erin Durban; 1-6 cr.
 53468 003 IND, 00:00-00:00 , In Person; Serra Hakyemez; 1-6 cr.
 53469 004 IND, 00:00-00:00 , In Person; Kat Hayes; 1-6 cr.
 53470 005 IND, 00:00-00:00 , In Person; Karen Ho; 1-6 cr.
 53471 006 IND, 00:00-00:00 , In Person; David Lipset; 1-6 cr.

53472 008 IND, 00:00-00:00 , , In Person; Kieran McNulty ; 1-6 cr.
 53473 009 IND, 00:00-00:00 , , In Person; Gilliane Monnier ; 1-6 cr.
 53474 010 IND, 00:00-00:00 , , In Person; Maria Nieves Colon ; 1-6 cr.
 53475 011 IND, 00:00-00:00 , , In Person; Hoon Song ; 1-6 cr.
 53476 012 IND, 00:00-00:00 , , In Person; Martha Tappen ; 1-6 cr.
 53477 013 IND, 00:00-00:00 , , In Person; Karen-Sue Tausig ; 1-6 cr.
 53478 014 IND, 00:00-00:00 , , In Person; Gilbert Tostevin ; 1-6 cr.
 53479 015 IND, 00:00-00:00 , , In Person; David Valentine ; 1-6 cr.
 53480 016 IND, 00:00-00:00 , , In Person; Peter Wells ; 1-6 cr.
 54273 002 IND, In Person; Aisha Ghani ; 1-6 cr.
 54274 007 IND, In Person; Stuart McLean ; 1-6 cr.

4994W Directed Research

(Student Option; Prereq: instr consentWI)

51985 001 IND, 00:00-00:00 , , In Person; Erin Durban ; 1-6 cr.
 53483 003 IND, 00:00-00:00 , , In Person; Serra Hakyemez ; 1-6 cr.
 53484 004 IND, 00:00-00:00 , , In Person; Kat Hayes ; 1-6 cr.
 53485 005 IND, 00:00-00:00 , , In Person; Karen Ho ; 1-6 cr.
 53486 006 IND, 00:00-00:00 , , In Person; David Lipset ; 1-6 cr.
 53487 008 IND, 00:00-00:00 , , In Person; Kieran McNulty ; 1-6 cr.
 53488 009 IND, 00:00-00:00 , , In Person; Gilliane Monnier ; 1-6 cr.
 53489 010 IND, 00:00-00:00 , , In Person; Maria Nieves Colon ; 1-6 cr.
 53490 011 IND, 00:00-00:00 , , In Person; Hoon Song ; 1-6 cr.
 53491 012 IND, 00:00-00:00 , , In Person; Martha Tappen ; 1-6 cr.
 53492 013 IND, 00:00-00:00 , , In Person; Karen-Sue Tausig ; 1-6 cr.
 53493 014 IND, 00:00-00:00 , , In Person; Gilbert Tostevin ; 1-6 cr.
 53494 015 IND, 00:00-00:00 , , In Person; David Valentine ; 1-6 cr.
 53495 016 IND, 00:00-00:00 , , In Person; Peter Wells ; 1-6 cr.
 54276 002 IND, In Person; Aisha Ghani ; 1-6 cr.
 54277 007 IND, In Person; Stuart McLean ; 1-6 cr.

5008 Advanced Flintknapping

(A-F or Audit; Prereq: [3008 or 5269] or instr consent)
 65619 001 LAB, 14:00-16:30 W, Blegen Hall 318, In Person; Meets With: 001 ANTH 3008; Gilbert Tostevin ; 3 cr.

5016 Africa and African Diaspora

Archaeology
 (Student Option; GP,HIS)

67248 001 DIS, 11:15-12:30 TTh, Blegen Hall 240, In Person; Meets With: 001 AFRO 5016001 AFRO 3016001 ANTH 3016; Bula Wayessa ; 3 cr.

5027W Archaeology of Prehistoric Europe

(Student Option; HIS,WI)

55204 001 LEC, 09:45-11:00 TTh, Anderson Hall 230, In Person; Meets With: 001 HIST 3067W001 ANTH 3027W; Peter Wells ; 3 cr.

5128 Anthropology of Education

(Student Option;)

67427 001 LEC, 13:25-16:05 T, Carlson School of Mgmt 2-228, In Person; Meets With: 001 OLPD 5128; Peter Demerath ; 3 cr.

5444 Archaeological Ceramics

(A-F only; Prereq: 3001 or instr consent)

68227 001 LEC, 14:30-16:10 TTh, Blegen Hall 318, In Person; Kat Hayes ; 4 cr.

5448 Applied Heritage Management

(A-F only;)

54441 001 LEC, 14:30-17:00 M, Blegen Hall 260, In Person; David Mather ; 3 cr.

5980 Topics in Anthropology

(Student Option;)

68244 001 LEC, 09:00-11:30 M, Hubert H. Humphrey School 50A, In Person; Meets With: 001 ANTH 3980; Gilliane Monnier ; 3 cr.

2196 Work Experience in Apparel Design

(S-N only; Prereq: Plan submitted/approved by [adviser, internship supervisor], written approval of supervisor, instr consent)

49355 001 FWK, Independent/Directed Study; Missy Bye ; 1-4 cr.
 49356 003 FWK, Independent/Directed Study; Lucy Dunne ; 1-4 cr.
 49397 004 FWK, Independent/Directed Study; 1-4 cr.
 49613 005 FWK, In Person; 1-4 cr.
 49614 002 FWK, In Person; Linsey Griffin ; 1-4 cr.

2211 Fashion Illustration and Portfolio

Development

(A-F or Audit;)

49558 001 LAB, 12:50-15:50 TTh, McNeal Hall 305, In Person; 4 cr.

2214 Softlines Analysis

(A-F or Audit; Prereq: DHA major or minor or instr consent)

49640 001 LAB, 08:45-10:00 MW, McNeal Hall 10, In Person; 3 cr.

2221 Apparel Design Studio I

(A-F or Audit; Prereq: [DHA 1201 or RM 1201], [1221 or DHA 1221],)

49354 001 LEC, 12:50-13:40 MW, McNeal Hall 10, In Person; 4 cr.
 49676 002 LAB, 13:50-15:45 MW, McNeal Hall 205, In Person; Missy Bye ; 4 cr.
 49677 003 LAB, 16:05-18:00 MW, McNeal Hall 205, In Person; 4 cr.

3196 Field Study: National or International

(A-F or Audit; Prereq: instr consent)

49598 001 FWK, Independent/Directed Study; Missy Bye ; 1-10 cr.

3223 Apparel Design Studio III

(A-F or Audit; Prereq: [2222 or DHA 2222] with grade of at least C-, Apparel Design major, pass portfolio review)

49519 001 LAB, 08:30-11:30 TTh, McNeal Hall 205, In Person; 4 cr.

3224W Apparel Design Studio IV

(A-F or Audit; Prereq: apparel design majorWI)

49357 001 LAB, 09:35-12:35 MW, McNeal Hall 205, In Person; Meets With: 001 APST 5224; 4 cr.

3225 Apparel Design Research

(A-F only; Prereq: 3324 or concurrent registration is required (or allowed) in DHA 3224)

49358 001 LEC, 15:00-16:55 Th, McNeal Hall 205, In Person; 1 cr.

4121 History of Fashion, 19th to 21st

Century

(A-F or Audit;)

49359 001 LEC, Completely Online; 4 cr.
 49706 002 LEC, 11:45-13:40 TTh, McNeal Hall 10, In Person; Meets With: 001 APST 5121; 4 cr.

4193 Directed Study in Apparel Design

(A-F or Audit; Prereq: Undergrad, instr consent)

49362 001 IND, Independent/Directed Study; Missy Bye ; 1-4 cr.
 49363 003 IND, Independent/Directed Study; Lucy Dunne ; 1-4 cr.
 49504 004 IND, Independent/Directed Study; 1-4 cr.
 49602 002 IND, In Person; Linsey Griffin ; 1-4 cr.
 49603 005 IND, In Person; Brad Holschuh ; 1-4 cr.

4196 Internship in Apparel Design

(S-N or Audit; 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)

49364 001 FWK, Independent/Directed Study; Missy Bye ; 1-4 cr.
 49365 002 FWK, Independent/Directed Study; Linsey Griffin ; 1-4 cr.
 49366 003 FWK, Independent/Directed Study; Lucy Dunne ; 1-4 cr.
 49505 004 FWK, Independent/Directed Study; 1-4 cr.
 49604 005 FWK, In Person; Brad Holschuh ; 1-4 cr.
 68672 006 FWK, Independent/Directed Study; ; 1-4 cr.

4215 Product Development: Softlines

(A-F or Audit; Prereq: 2213 or DHA 2213 or apparel design major or clothing design major or retail merchandising major or instr consent)

49367 001 LEC, 12:50-13:40 TTh, McNeal Hall 310, In Person; 4 cr.
 49368 002 LAB, 13:55-15:50 TTh, McNeal Hall 310, In Person; 4 cr.

Apparel Studies (APST)

5121 History of Fashion, 19th to 21st Century

(A-F only;)

49655 001 DIS, 11:45-13:40 TTh, McNeal Hall 10, In Person; Meets With: 002 ADES 4121; 4 cr.

5193 Directed Study in Apparel Studies

(A-F or Audit; Prereq: instr consent)

49369 001 IND, In Person; Missy Bye ; 1-4 cr.
 49370 003 IND, In Person; Lucy Dunne ; 1-4 cr.
 49371 004 IND, In Person; Marilyn DeLong ; 1-4 cr.
 49506 005 IND, In Person; Brad Holschuh ; 1-4 cr.
 49507 006 IND, In Person; Hye-Young Kim ; 1-4 cr.
 49508 007 IND, In Person; Juanjuan Wu ; 1-4 cr.
 49533 008 IND, In Person; Hyunjoo Im ; 1-4 cr.
 49601 002 IND, In Person; Linsey Griffin ; 1-4 cr.

5224 Functional Clothing Design

(A-F only;)

49625 001 LEC, 09:35-12:35 MW, McNeal Hall 205, In Person; Meets With: 001 ADES 3224W; 4 cr.

5235 Data-driven retail: Big data and text analysis

(A-F only;)

68018 001 LEC, 10:15-11:30 MW, McNeal Hall 316, In Person; Meets With: 001 RM 4235; Hyunjoo Im ; 3 cr.

Applied Business (ABUS)

3051 Career Search for the Professional Environment

(Student Option; Prerequisites: None, but upper-division status recommended.)

63250 302 LEC, Completely Online; Alyssa Maples ; 2 cr.
 63276 301 LEC, Completely Online; Carol Klempka ; 2 cr.
 63350 303 LEC, Completely Online; Carol Klempka ; 2 cr.
 63351 304 LEC, Completely Online; Alyssa Maples ; 2 cr.
 63382 305 LEC, Completely Online; Carol Klempka ; 2 cr.
 63400 306 LEC, Completely Online; Caroline Marin ; 2 cr.

3052 Career Building in the Remote Gig Economy

(A-F or Audit; Prerequisites: None)

63415 301 LEC, Completely Online; David Giordana ; 2 cr.
 63433 302 LEC, Completely Online; Uriah Giordana ; 2 cr.

3201 Digital Design Strategies for Small Business

(A-F or Audit; Prerequisites: None.)

63399 301 LEC, Completely Online; David Husom ; 4 cr.
 63435 302 LEC, Completely Online; Jeff Neidt ; 4 cr.

3301 Introduction to Quality Management

(A-F or Audit; Prereq: Introductory statistics)

63203 301 LEC, Completely Online; Karen Schaffhausen ; 3 cr.
 63339 302 LEC, Completely Online; Karen Schaffhausen ; 3 cr.

3950 Special Topics in Applied Business

(A-F or Audit; Prereq: At least 45 cr)

67965 301 LEC, Completely Online; Carol Rinkoff ; 1-3 cr.
 67966 302 LEC, Completely Online; Carol Rinkoff ; 1-3 cr.

4013W Legal, Ethical, and Risk Issues for Managers

(A-F or Audit; Prereq: CMgt 4011 recommended for CMgt students, 45 semester creditsWI)

63304 301 LEC, Completely Online; Charles Bethel ; 3 cr.

4022W Management in Organizations

(A-F or Audit; Prereq: 45 semester credits recommendedWI)

63181 301 LEC, Completely Online; Bradley Goodell ; 3 cr.
 63320 302 LEC, Completely Online; Bradley Goodell ; 3 cr.
 63352 303 LEC, Completely Online; Bradley Goodell ; 3 cr.

4023W Communicating for Results

(A-F or Audit; Prereq: 45 cr completedWI)

63202 301 LEC, Completely Online; Bradley Goodell ; 3 cr.
 63236 302 LEC, Completely Online; Bradley Goodell ; 3 cr.

Apparel Design (ADES)

3102 Intermediate Arabic II**(Student Option No Audit;)**

51813 001 LEC, 08:00-08:50 MTWThF, Folwell Hall 121, In Person; Meets With: 001 ARAB 4122; Casey Lagueras ; 5 cr.
53178 002 LEC, 09:05-09:55 MTWThF, Folwell Hall 4, In Person; Meets With: 002 ARAB 4122; Katrien Vanpee ; 5 cr.

3290 Arabic Language Teaching Tutorial**(S-N only; Prereq: Grade of A in 3102/4122)**
53658 001 FWK, In Person; Katrien Vanpee ; 1 cr.**3993 Directed Study****(Student Option; Prereq-instr consent, dept consent, college consent.)**

53670 001 IND, In Person; 1-5 cr.

4102 Beginning Arabic II for Graduate Student Research**(Student Option No Audit; Prereq: 4101 or equiv)**

53231 001 LEC, 09:05-09:55 MTWThF, Folwell Hall 5, In Person; Meets With: 001 ARAB 1102; Casey Lagueras ; 5 cr.
53232 002 LEC, 10:10-11:00 MTWThF, Folwell Hall 8, In Person; Meets With: 002 ARAB 1102; Casey Lagueras ; 5 cr.
53233 003 LEC, 13:25-14:15 MTWThF, Kolthoff Hall 135, In Person; Meets With: 003 ARAB 1102; Nasr Abdo ; 5 cr.
53389 004 LEC, 14:30-15:20 MTWThF, Folwell Hall 121, In Person; Meets With: 004 ARAB 1102; Nasr Abdo ; 5 cr.

4122 Intermediate Arabic II for Graduate Student Research**(Student Option No Audit; Prereq: 4121 or equiv)**

53234 001 LEC, 08:00-08:50 MTWThF, Folwell Hall 121, In Person; Meets With: 001 ARAB 3102; Casey Lagueras ; 5 cr.
53235 002 LEC, 09:05-09:55 MTWThF, Folwell Hall 4, In Person; Meets With: 002 ARAB 3102; Katrien Vanpee ; 5 cr.

5102 Advanced Arabic II**(Student Option No Audit;)**

65703 001 LEC, 10:10-12:05 TTh, Kolthoff Hall 140, In Person; Nasr Abdo ; 4 cr.

5993 Directed Studies**(Student Option;)**

54914 001 IND, In Person; Katrien Vanpee ; 1-5 cr.

Arabic Lang/Culture in Morocco (MRCO)**Architecture (ARCH)****2281 Design Fundamentals II****(A-F only;)**

49306 001 LEC, 14:30-15:20 T, 10 Church Street SE 100, In Person; Dzenita Hadzimerovic ; 4 cr.
49307 002 LAB, 15:45-17:45 TTh, Folwell Hall 121, In Person; Megan Gahlman ; 4 cr.
49308 003 LAB, 15:45-17:45 TTh, Folwell Hall 116, In Person; Ray Heikkila ; 4 cr.
49309 004 LAB, 15:45-17:45 TTh, Folwell Hall 105, In Person; 4 cr.
49310 005 LAB, 18:00-20:00 TTh, Folwell Hall 116, In Person; Meets With: 006 ARCH 2281; Karianna Larson ; 4 cr.
49335 006 LAB, 18:00-20:00 TTh, Folwell Hall 116, In Person; Meets With: 005 ARCH 2281; Karianna Larson ; 4 cr.
49336 007 LAB, 15:45-17:45 TTh, Ford Hall B80, In Person; 4 cr.
49691 008 LAB, 15:45-17:45 TTh, Folwell Hall 31, In Person; 4 cr.

3231 Intensive Applications Design Workshop**(A-F only;)**

49749 102 LAB, 13:25-17:25 WF, Rapson Hall 251, In Person; Dingliang Yang ; 3 cr.
49750 105 LAB, 13:30-17:30 W, , 13:30-15:30 MF, , In Person; Julia Robinson ; 3 cr.
49751 103 LAB, 13:25-17:25 MW, Lab TBA, In Person; Dzenita Hadzimerovic ; 3 cr.
49752 201 LAB, 14:30-18:30 TTh, Rapson Hall 251, In Person; Salvador Blumenkron ; 3 cr.
68385 202 LAB, 14:30-17:30 TTh, Lab TBA, In Person; Molly Reichert ; 3 cr.

3232 Extensive Applications Design**Workshop****(A-F only;)**

49744 202 LAB, 13:25-17:25 WF, Rapson Hall 251, In Person; Dingliang Yang ; 3 cr.

3281 Architecture Studio 01: Material**(A-F only; Prereq: Arch BS major and Arch 2301)**

49732 001 LAB, 13:25-17:30 MWF, Lab TBA, In Person; Federico Garcia Lammers ; 6 cr.
67791 002 LAB, 13:25-17:30 MWF, Lab TBA, In Person; Molly Dalsin ; 6 cr.
67792 003 LAB, 13:25-17:30 MWF, Lab TBA, In Person; Molly Reichert ; 6 cr.
67793 004 LAB, 13:25-17:30 MWF, Lab TBA, In Person; Benjamin Lewis ; 6 cr.

3351 AutoCAD I**(Student Option; Prereq: Arch major or BED major or instr consent)**

49291 001 LEC, 18:00-20:30 T, Akerman Hall 227, In Person; Molly Reichert ; 3 cr.

3391 Design and Representation with BIM**(A-F or Audit;)**

49595 001 LEC, 18:00-20:30 Th, Rapson Hall 100, In Person; Meets With: 001 ARCH 5391; Benjamin Delwiche ; 3 cr.

3412V Honors: Architectural History Since 1750**(A-F only; Prereq: Soph or aboveGP,WI,HIS)**

68188 001 LEC, 09:45-11:00 TTh, Anderson Hall 370, In Person; Meets With: 001 ARCH 3412W; Katherine Solomonson ; 3 cr.
68189 002 DIS, 13:00-13:50 Th, Civil Engineering Bldg 213, In Person; Katherine Solomonson ; 3 cr.

3412W Architectural History Since 1750**(A-F or Audit; Prereq: Soph or aboveGP,WI,HIS)**

49196 001 LEC, 09:45-11:00 TTh, Anderson Hall 370, In Person; Meets With: 001 ARCH 3412V; Katherine Solomonson ; 3 cr.
49197 003 DIS, 11:15-12:05 M, Twin Cities Remote, Completely Online; 3 cr.
49198 006 DIS, 11:15-12:05 W, Twin Cities Remote, Completely Online; 3 cr.
49199 008 DIS, 11:15-12:05 W, Twin Cities Remote, Completely Online; 3 cr.
49200 009 DIS, 11:15-12:05 F, Twin Cities Remote, Completely Online; 3 cr.
49201 013 DIS, 11:15-12:05 Th, Twin Cities Remote, Completely Online; 3 cr.
49334 010 DIS, 18:30-19:20 M, Twin Cities Remote, Completely Online; 3 cr.
68664 014 DIS, 11:15-12:05 T, Mechanical Engineering 25, In Person; ; 3 cr.

3756 Public Interest Design: Principles and Practices**(A-F or Audit;)**

49617 001 LEC, 08:15-09:30 TTh, Rapson Hall 58, In Person; Meets With: 001 ARCH 5756; Gayla Lindt ; 3 cr.

3993 Directed Study**(A-F only; Prereq: instr consent)**

49289 001 IND, In Person; Gail Dubrow ; 1-3 cr.

4194H Thesis/Capstone Project**(A-F only; Prereq: Arch major, sr, honors)**

49520 001 IND, 10:00-12:00 Th, Twin Cities Remote, Completely Online; Chelsea Wait ; 3 cr.

4232 Advanced Extensive Applications Design Workshop**(A-F only;)**

49753 101 LAB, 14:30-18:30 TTh, Lab TBA, In Person; Nina Ebbighausen ; 3 cr.
49754 201 LAB, 14:30-18:30 TTh, Lab TBA, In Person; Nina Ebbighausen ; 3 cr.
68228 202 LAB, 13:25-17:25 MF, Lab TBA, In Person; Alex Terzich ; 3 cr.
68229 102 LAB, 09:00-13:00 TTh, Rapson Hall 251, In Person; Matthew Olson ; 3 cr.
68230 203 LAB, 09:00-13:00 TTh, Rapson Hall 251, In Person; Thomas Oliphant ; 3 cr.
68382 204 LAB, 09:00-13:00 TTh, Lab TBA, In Person; Matthew Olson ; 3 cr.

4283 Architecture Studio 03:Program**(A-F only;)**

67797 001 LAB, 13:25-17:30 MWF, Lab TBA, In Person; Alex Maymind ; 6 cr.

67798 002 LAB, 13:25-17:30 MWF, Lab TBA, In Person; Noa Havelio ; 6 cr.
67799 003 LAB, 13:25-17:30 MWF, Lab TBA, In Person; Hans-Christian Karlberg ; 6 cr.
67800 004 LAB, 13:25-17:30 MWF, Lab TBA, In Person; Namdi Alexander ; 6 cr.

4341 Architecture Portfolio Design**(A-F only;)**

49596 001 LAB, 09:45-11:00 TTh, Rapson Hall 45, In Person; Martha McQuade ; 3 cr.

4410 Topics in Architectural History**(A-F only;)**

68617 001 LEC, 15:00-17:30 Th, Appleby Hall 302, In Person; Meets With: 002 ARCH 5410; ; 1-4 cr.

4425W Baroque Architecture**(A-F or Audit; Prereq: 3411 or instr consentWI)**

68237 001 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Meets With: 001 ARCH 5425; Robert Ferguson ; 3 cr.

4561 Architecture and Ecology**(A-F or Audit; ENV)**

49292 001 LEC, 11:15-12:30 TTh, Nicholson Hall 155, In Person; Dan Handeen ; 3 cr.
49293 002 LAB, 11:15-12:05 F, Bruininks Hall 420A, In Person; 3 cr.
49294 003 LAB, 11:15-12:05 M, Bruininks Hall 123, In Person; 3 cr.
49295 004 LAB, 11:15-12:05 M, Appleby Hall 223, In Person; 3 cr.
49296 005 LAB, 11:15-12:05 W, Appleby Hall 223, In Person; 3 cr.
49297 006 LAB, 11:15-12:05 W, Bruininks Hall 117, In Person; 3 cr.
49298 007 LAB, 11:15-12:05 F, Bruininks Hal 121, In Person; 3 cr.

4701W Introduction to Urban Form and Theory**(A-F only; Prereq: [3411, 3412] or instr consentWI)**

49575 001 LEC, 09:45-11:00 MW, Mondale Hall 40, In Person; Thomas Fisher ; 3 cr.
49636 002 DIS, 11:15-12:05 M, Mondale Hall 3, In Person; 3 cr.
49637 003 DIS, 11:15-12:05 W, Mondale Hall 3, In Person; 3 cr.

5110 Architecture as Catalyst**(S-N only; Prereq: M.Arch)**

49339 001 LEC, In Person; Jessica Garcia Fritz ; 1 cr.

5250 Advanced Topics in Design**(A-F only;)**

67943 101 LEC, 13:25-17:30 MWF, Lab TBA, In Person; Jessica Garcia Fritz ; 1-6 cr.
67961 201 LEC, 13:25-17:30 MWF, Lab TBA, In Person; Nat Madson ; 1-6 cr.

5391 Design and Representation with BIM**(A-F or Audit;)**

49618 001 LEC, 18:00-20:30 Th, Rapson Hall 100, In Person; Meets With: 001 ARCH 3391; Benjamin Delwiche ; 3 cr.

5410 Topics in Architectural History**(A-F or Audit;)**

68033 001 LEC, 11:15-12:30 MW, Rapson Hall 58, In Person; Lisa Hsieh ; 3 cr.
68402 002 LEC, 15:00-17:30 Th, Appleby Hall 302, In Person; Meets With: 001 ARCH 4410; ; 3 cr.

5413 Modern and Contemporary Global Architecture**(A-F only;)**

49628 001 LEC, 09:45-12:15 T, Twin Cities Remote, Completely Online; Gabriel Cuellar ; 3 cr.

5425 Baroque Architecture**(A-F or Audit; Prereq: MS Arch or M Arch major or instr consent)**

68240 001 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Meets With: 001 ARCH 4425W; Robert Ferguson ; 3 cr.

5518 Environmental Technology: Integrative Ecological Design for Responsive Architecture**(A-F only;)**

49630 001 LEC, 13:00-14:15 TTh, Rapson Hall 45, In Person; Christopher Wingate, Patrick Smith ; 3 cr.

5561 Tech 1, Structures for Building**(A-F or Audit; Prereq: M Arch major or instr consent)**
49634 001 LEC, 08:15-09:30 TTh, Rapson Hall 43, In Person; Saura Jost ; 3 cr.**5630 Practicum: Advanced Issues in Practice****(Student Option No Audit; Prereq: M.S. Architecture or M.Arch)**
49686 001 LEC, 17:30-20:00 Th, Rapson Hall 58, In Person; Dustin Schipper ; 3 cr.**5651 Building Stories****(A-F only ;)**
49529 001 LEC, 15:00-17:00 TTh, Peik Hall 215, In Person; Alexis Duval-Arnould, Nathan Knutson ; 3 cr.**5673 Historic Property Research and Documentation****(Student Option; Prereq: [3412, 3641, 4671, 5671, 4672 or 5672] or instr consent)**
68096 001 LEC, 16:00-17:15 TTh, Cooke Hall 206, In Person; Tamara Ludtke ; 3 cr.**5686 Research Practices Final Project: Research into Practice****(A-F only; Prereq: MS-RP student)**
49687 001 FWK, In Person; 4 cr.**5687 Research Practices Final Project: Practice into Research****(S-N only; Prereq: Arch 5686)**
49688 001 FWK, In Person; Malini Srivastava ; 4 cr.**5688 Research Practices Final Project: Representation of Case Studies****(A-F only; Prereq: Arch 5686)**
49689 001 FWK, In Person; Malini Srivastava ; 1 cr.**5711 Theory and Principles of Urban Design****(A-F or Audit; Prereq: M Arch major or LA grad major or grad student or instr consent)**
49510 001 LEC, 09:45-12:30 TTh, Rapson Hall 109, In Person; Thomas Fisher ; 3 cr.**5721 Case Studies in Urban Design****(A-F or Audit; Prereq: Grad student or instr consent)**
49629 001 LEC, 09:45-12:30 TTh, Rapson Hall 109, In Person; Jennifer Yoos ; 3 cr.**5756 Public Interest Design: Principles and Practices****(A-F or Audit;)**
49616 001 LEC, 08:15-09:30 TTh, Rapson Hall 58, In Person; Meets With: 001 ARCH 3756; Gayla Lindt ; 3 cr.**5993 Directed Study****(A-F or Audit; Prereq: instr consent)**
49248 001 IND, 00:00-00:00 , , In Person; Dingliang Yang ; 1-4 cr.
49690 025 IND, In Person; Julia Robinson ; 1-4 cr.
49696 026 IND, In Person; 1-4 cr.
49697 027 IND, In Person; 1-4 cr.
49700 028 IND, In Person; Richard Graves ; 1-4 cr.
49701 029 IND, In Person; 1-4 cr.
49704 030 IND, In Person; 1-4 cr.**Art (ARTS)****1001 Introduction to Contemporary Art and Theory****(Student Option; DSJ,AH)**
51808 001 LEC, Completely Online; Meets With: 001 ARTS 1001H; Christina Schmid ; 3 cr.
51809 002 DIS, Completely Online; Christina Schmid ; 3 cr.
53313 004 DIS, Completely Online; Christina Schmid ; 3 cr.
53592 003 DIS, Completely Online; Christina Schmid ; 3 cr.
65720 005 DIS, Completely Online; Christina Schmid ; 3 cr.
68680 006 DIS, Completely Online; Christina Schmid ; 3 cr.**1001H Honors Introduction to Contemporary Art and Theory****(A-F or Audit; Prereq: Honors studentAH,DSJ)**
54011 001 LEC, Completely Online; Meets With: 001 ARTS 1001; Christina Schmid ; 3 cr.
54019 002 DIS, Completely Online; Christina Schmid ; 3 cr.**1101 Introduction to Drawing****(Student Option; AH)**51790 001 LAB, 13:25-15:55 MW, Regis Center for Art W270, In Person; Melissa Benson ; 4 cr.
51791 002 LAB, 10:10-15:10 F, Regis Center for Art W260, In Person; John Turner ; 4 cr.
51792 003 LAB, 09:05-11:35 TTh, Regis Center for Art W260, In Person; Lila Shull ; 4 cr.
51793 004 LAB, 13:25-15:55 TTh, Regis Center for Art W260, In Person; Christopher Harrison ; 4 cr.
51794 005 LAB, 09:05-11:35 MW, Regis Center for Art W260, In Person; Christopher Harrison ; 4 cr.
53876 008 LAB, 10:10-15:10 F, Regis Center for Art W270, In Person; Jonathan Aller ; 4 cr.
53877 010 LAB, 10:10-15:10 Sa, Regis Center for Art W270, In Person; Ethan Pope ; 4 cr.
65716 006 LAB, 09:05-11:35 MW, Regis Center for Art W270, In Person; Isa Gagarin ; 4 cr.
65717 007 LAB, 09:05-11:35 TTh, Regis Center for Art W270, In Person; Jonathan Aller ; 4 cr.**1102 Introduction to Painting****(Student Option; AH)**51814 001 LAB, 13:25-15:55 MW, Regis Center for Art W268, In Person; Travis McEwen ; 4 cr.
54249 002 LAB, 13:25-15:55 TTh, Regis Center for Art W268, In Person; Emma Beatriz ; 4 cr.
54672 003 LAB, 09:05-11:35 TTh, Regis Center for Art W268, In Person; Kristen Sanders ; 4 cr.
65718 004 LAB, 10:10-15:10 F, Regis Center for Art W268, In Person; Jim Hittinger ; 4 cr.**1103 Introduction to Printmaking: Relief, Screen and Digital Processes****(Student Option; AH)**53012 001 LAB, 18:00-20:30 MW, Regis Center for Art W185, In Person; Lila Shull ; 4 cr.
53671 002 LAB, 09:05-11:35 MW, Regis Center for Art W185, In Person; Drew Peterson ; 4 cr.**1107 Introduction to Digital Drawing****(Student Option; AH)**54064 001 LAB, 18:00-20:30 TTh, Regis Center for Art W240, In Person; Mark Schoening ; 4 cr.
54367 002 LAB, 10:10-15:10 F, Regis Center for Art W240, In Person; Caitlin Skaalrud ; 4 cr.
54604 003 LAB, 18:00-20:30 MW, Regis Center for Art W240, In Person; Caitlin Skaalrud ; 4 cr.**1701 Introduction to Photography****(Student Option; Prerequisite for all 3000 level photography classes.AH)**51788 001 LAB, 13:25-15:55 MW, Regis Center for Art W132, In Person; Caroline Houdek Solomon ; 4 cr.
51789 002 LAB, 13:25-15:55 MW, Regis Center for Art W137, In Person; Christopher Selleck ; 4 cr.
53756 003 LAB, 09:05-11:35 TTh, Regis Center for Art W132, In Person; D'Angelo Christian ; 4 cr.
53878 004 LAB, 09:05-11:35 TTh, Regis Center for Art W137, In Person; Sarah Sampedro ; 4 cr.**1704 Introduction to Moving Images****(Student Option; Prerequisite for intermediate level Department of Art courses in Moving Images including Narrative Digital Filmmaking, Experimental Film and Video, Animation, Super 8 and 16mm Filmmaking.AH)**51807 002 LAB, 13:25-15:55 TTh, Regis Center for Art W248, In Person; Thalia Drori ; 4 cr.
52349 003 LAB, 09:05-11:35 MW, Regis Center for Art W248, In Person; Thalia Drori ; 4 cr.
53924 001 LAB, 18:00-20:30 TTh, Regis Center for Art W248, In Person; Cara DeLeon ; 4 cr.
54729 004 LAB, 10:10-14:10 F, Regis Center for Art W248, In Person; Rolf Belgium ; 4 cr.**1801 Introduction to Ceramics: Wheel-Throwing and Hand-Building Techniques****(Student Option; AH)**51799 002 LAB, 09:05-11:35 MW, Regis Center for Art E154, In Person; Erika Terwilliger ; 4 cr.
52705 004 LAB, 09:05-11:35 TTh, Regis Center for Art E156, In Person; Chotsani Dean ; 4 cr.
52772 003 LAB, 09:05-11:35 MW, Regis Center for Art E156, In Person; Priya Thoresen ; 4 cr.
53880 005 LAB, 09:05-11:35 TTh, Regis Center for Art E154, In Person; Stephanie DeArmond ; 4 cr.**1802 Introduction to Sculpture: Understanding the Fundamentals of the Practice of Sculpture****(Student Option; AH)**52715 001 LAB, 09:05-11:35 MW, Regis Center for Art E117, In Person; Chris Larson ; 4 cr.
52716 002 LAB, 13:25-15:55 MW, Regis Center for Art E117, In Person; Chris Larson ; 4 cr.

52717 003 LAB, 09:05-11:35 TTh, Regis Center for Art E117, In Person; Kristina Estell ; 4 cr.

3120 Intermediate Painting**(Student Option; Prerequisite: ARTS 1102)**

51787 001 LAB, 09:05-11:35 TTh, Regis Center for Art W264, In Person; Leslie Barlow ; 4 cr.

3140 Figure Drawing**(Student Option; Prerequisite: 1101 or 1104)**54065 001 LAB, 09:05-11:35 MW, Regis Center for Art W264, In Person; Travis McEwen ; 4 cr.
65719 002 LAB, 13:25-15:55 TTh, Regis Center for Art W264, In Person; Kristen Sanders ; 4 cr.**3150 Dimensional Painting****(Student Option; Prerequisite: 1102)**

53687 001 LAB, 09:05-11:35 MW, Regis Center for Art W268, In Person; Mathew Zefeldt ; 4 cr.

3170 Intermediate Digital Drawing**(Student Option; Prereq: 1107)**

53311 001 LAB, 13:25-15:55 TTh, Regis Center for Art W240, In Person; Mark Schoening ; 4 cr.

3180 Zines, Comics, and Books**(A-F or Audit;)**54012 001 LAB, 09:05-11:35 TTh, Regis Center for Art W240, In Person; Jenny Schmid ; 4 cr.
54605 002 LAB, 09:05-11:35 MW, Regis Center for Art W240, In Person; Corinne Teed ; 4 cr.**3190 Mixed Media on Paper****(Student Option;)**

55202 001 LAB, 13:25-15:55 MW, Regis Center for Art W260, In Person; Isa Gagarin ; 4 cr.

3206W Art + Ecology**(A-F or Audit; WI)**

54250 001 LEC, 13:25-15:55 TTh, Regis Center for Art W244, In Person; Sean Connaughty ; 4 cr.

3230 Sound Art**(Student Option;)**

55524 001 LAB, 13:25-15:55 MW, Regis Center for Art W123, In Person; Meets With: 001 ARTS 5230; Diane Willow ; 4 cr.

3401V Honors: Critical Theories and Their Construction From a Studio Perspective**(A-F or Audit; Prereq: Honors Student and Junior or Instructor ConsentAH,WI,CIV)**

54068 001 LEC, 09:05-11:35 Th, Regis Center for Art E110, In Person; Meets With: 001 ARTS 3401W; Christina Schmid ; 3 cr.

3401W Critical Theories and Their**Construction From a Studio Perspective****(Student Option; Prereq: instr consentWI,CIV,AH)**

53703 001 LEC, 09:05-11:35 Th, Regis Center for Art E110, In Person; Meets With: 001 ARTS 3401V; Christina Schmid ; 3 cr.

3404W Professional Practices in the Arts**(A-F only; Prereq: Grad student or [Art BFA student or Art Major, jr or sr]WI)**

53780 001 LEC, 13:25-15:55 M, Regis Center for Art E110, In Person; Emmett Ramstad ; 3 cr.

3481 Curatorial Practice Field Experience**(A-F only;)**

65721 001 FWK, 13:25-15:55 Th, Regis Center for Art W123, In Person; Erin Gleeson ; 3 cr.

3490 Workshop in Art**(Student Option;)**

67446 001 LAB, 13:25-15:55 MW, Regis Center for Art W240, In Person; Meets With: 001 ARTS 5490; Corinne Teed ; 1-4 cr.

3710 Black and White Darkroom**Photography****(Student Option; Prerequisite: 1701)**

54602 001 LAB, 13:25-15:55 TTh, Regis Center for Art W132, In Person; Sarah Sampedro ; 4 cr.

3720 The Extended Image**(Student Option; Prerequisite: 1701 or 1704)**

55214 001 LAB, 09:05-11:35 MW, Regis Center for Art W121, In Person; Paul Shambroom ; 4 cr.

3730 Intermediate Digital Photography**(Student Option; Prerequisite: ARTS 1701)**

52552 001 LAB, 13:25-15:55 TTh, Regis Center for Art W121, In Person; D'Angelo Christian ; 4 cr.

3750 Narrative Digital Filmmaking

(Student Option; Prerequisite: 1704 or instructor consent)

53930 001 LAB, 13:25-15:55 MW, Regis Center for Art W121, In Person; Meets With: 001 ARTS 5750; Rolf Belgium ; 4 cr.

3770 Animation

(Student Option; Prereq: ARTS 1704 or Instructor Consent)

52564 001 LAB, 18:00-20:30 MW, Regis Center for Art W121, In Person; Meets With: 001 ARTS 5770; Emily Fritze ; 4 cr.
53829 002 LAB, 18:00-20:30 TTh, Regis Center for Art W121, In Person; Meets With: 002 ARTS 5770; Emily Fritze ; 4 cr.**3780 Super 8 and 16 MM Filmmaking**

(A-F or Audit; Prereq: ARTS 1704 or instructor consent)

54252 001 LAB, 09:05-14:05 F, Regis Center for Art W123, In Person; Meets With: 001 ARTS 5780; Sam Hoolihan ; 4 cr.

3820 Ceramic: Wheel Throwing

(Student Option; Prereq: ARTS 1801)

51801 001 LAB, 13:25-15:55 TTh, Regis Center for Art E156, In Person; Tetsuya Yamada ; 4 cr.

3830 Ceramic Sculpture

(Student Option; Prereq: ARTS 1801)

54251 001 LAB, 13:25-15:55 MW, Regis Center for Art E154, In Person; Erika Terwilliger ; 4 cr.

3850 Foundry and Metal Sculpture

(Student Option; Prereq: ARTS 1802)

53686 001 LAB, 09:05-11:35 TTh, Regis Center for Art E170A, In Person; Meets With: 001 ARTS 5850; Rotem Tamir ; 4 cr.

3860 Sculpture and Installation

(Student Option; Prereq: 1802)

54067 001 LAB, 13:25-15:55 TTh, Regis Center for Art E123, In Person; Meets With: 001 ARTS 5860; Rotem Tamir ; 4 cr.

3890 3D Modeling and Digital Fabrication

(Student Option; Prerequisite, basic drafting or Adobe Illustrator skills are highly encouraged.)

54227 001 LAB, 18:00-20:30 MW, Regis Center for Art W248, In Person; Meets With: 001 ARTS 5890; Robin Schwartzman ; 4 cr.

5110 Advanced Drawing

(Student Option; Prereq: Art major and ARTS 3110)

51863 001 LAB, 13:25-15:55 TTh, Regis Center for Art W270, In Person; Fidencio Martinez Perez ; 4 cr.

5120 Advanced Painting

(Student Option; Prereq: ARTS 3120 and ARTS major)

51847 001 LAB, 13:25-15:55 MW, Regis Center for Art W264, In Person; Mathew Zefeldt ; 4 cr.

5140 Advanced Printmaking

(Student Option; Prereq: ARTS 3130)

52652 001 LAB, 13:25-15:55 TTh, Regis Center for Art W185, In Person; Jenny Schmid ; 4 cr.

5230 Advanced Art + Sound

(Student Option; Prereq: ARTS major and 3605 or 3230)

55525 001 LAB, 13:25-15:55 MW, Regis Center for Art W123, In Person; Meets With: 001 ARTS 3230; Diane Willow ; 4 cr.

5404 BA Capstone and Exhibition

(S-N only;)

54063 001 DIS, 09:05-11:35 F, Regis Center for Art W244, In Person; Sean Connaughty ; 3 cr.

5407 BFA Capstone 2: Critique and Exhibition

(A-F only;)

54603 001 LAB, 10:10-14:10 F, Regis Center for Art E134, In Person; Emmett Ramstad ; 4 cr.

5490 Workshop in Art

(Student Option;)

67668 001 LAB, 13:25-15:55 MW, Regis Center for Art W240, In Person; Meets With: 001 ARTS 3490; Corinne Teed ; 1-4 cr.

5710 Advanced Photography and Moving Image Projects

(Student Option; Prereq: previously completed a 3XXX course in Photography or Moving Images.)

55215 001 LAB, 09:05-11:35 TTh, Regis Center for Art W121, In Person; Monica Moses Haller ; 4 cr.

5750 Advanced Narrative Digital**Filmmaking**

(Student Option; Prerequisite: 3750 or Graduate Student)

53931 001 LAB, 13:25-15:55 MW, Regis Center for Art W121, In Person; Meets With: 001 ARTS 3750; Rolf Belgium ; 4 cr.

5770 Animation

(Student Option; Prereq: ARTS 3770 or Instructor Consent)

52565 001 LAB, 18:00-20:30 MW, Regis Center for Art W121, In Person; Meets With: 001 ARTS 3770; Emily Fritze ; 4 cr.
53830 002 LAB, 18:00-20:30 TTh, Regis Center for Art W121, In Person; Meets With: 002 ARTS 3770; Emily Fritze ; 4 cr.**5780 Advanced Super 8 and 16 MM****Filmmaking**

(A-F or Audit; Prereq: Art major)

54253 001 LAB, 09:05-14:05 F, Regis Center for Art W123, In Person; Meets With: 001 ARTS 3780; Sam Hoolihan ; 4 cr.

5810 Advanced Ceramics

(Student Option; Prereq: ARTS major and ARTS 1801, ARTS 3820 or ARTS 3830)

52676 001 LAB, 13:25-15:55 TTh, Regis Center for Art E155, In Person; Chotsani Dean ; 4 cr.

5850 Advanced Foundry and Metal Sculpture

(Student Option; Prereq: Art major)

53976 001 LAB, 09:05-11:35 TTh, Regis Center for Art E170A, In Person; Meets With: 001 ARTS 3850; Rotem Tamir ; 4 cr.

5860 Advanced Sculpture

(Student Option; Prereq: ARTS major and ARTS 3860)

5362 001 LEC, 13:25-15:55 TTh, Regis Center for Art E123, In Person; Meets With: 001 ARTS 3860; Rotem Tamir ; 4 cr.

5890 3D Modeling and Digital Fabrication

(Student Option; Prerequisite, basic drafting or Adobe Illustrator skills are highly encouraged. prereq: ARTS major)

54228 001 LAB, 18:00-20:30 MW, Regis Center for Art W248, In Person; Meets With: 001 ARTS 3890; Robin Schwartzman ; 4 cr.

Art History (ARTH)**1001 Introduction to Western Art**

(Student Option; AH)

53287 001 LEC, 09:45-11:00 MW, Anderson Hall 330, In Person; Michael Gaudio ; 4 cr.
53349 002 DIS, 14:30-15:20 W, Blegen Hall 115, In Person; 4 cr.
53350 003 DIS, 10:10-11:00 Th, Hubert H. Humphrey School 20, In Person; 4 cr.
53351 004 DIS, 12:20-13:10 Th, Blegen Hall 205, In Person; 4 cr.
53352 005 DIS, 10:10-11:00 F, Blegen Hall 225, In Person; 4 cr.**1002W Why Art Matters**

(Student Option; AH,WI,GP)

65671 001 LEC, 13:00-14:15 TTh, Willey Hall 175, In Person; Emily Ruth Capper ; 4 cr.
65672 002 DIS, 11:15-12:05 Th, Hubert H. Humphrey School 30, In Person; 4 cr.
65673 003 DIS, 11:15-12:05 Th, Blegen Hall 225, In Person; 4 cr.
65674 004 DIS, 10:10-11:00 Th, Blegen Hall 225, In Person; 4 cr.
65675 005 DIS, 10:10-11:00 Th, Blegen Hall 205, In Person; 4 cr.
68696 006 DIS, 14:30-15:20 Th, Blegen Hall 135, In Person; Ashley Duffey ; 4 cr.**1915 Broadcasts: Art, the Media, and Political Turmoil, the 1960s and Today**

(A-F only;)

65698 001 DIS, 13:00-15:30 M, Walter W Heller Hall 445, In Person; Jane Blocker ; 3 cr.

3009 Intersectional Medieval Art

(Student Option; AH)

67156 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 50B, In Person; Meets With: 001 RELS 3609001 MEST 3009; Jennifer Awes-Freeman ; 3 cr.

3019 Buddhist Art and Architecture

(Student Option;)

65743 001 LEC, 13:00-14:15 MW, Blegen Hall 415, In Person; Meets With: 001 RELS 3019; Daniel Greenberg ; 3 cr.

3182 Egypt and Western Asia: Art and Archaeology of Ancient Egypt and Western Asia

(Student Option; AH,GP)

54798 001 LEC, 11:15-12:30 MW, Blegen Hall 240, In Person; Meets With: 001 RELS 3182001 CNRC 3182; Paige Brevick ; 3 cr.

3216W Chicana and Chicano Art

(Student Option; WI)

67782 001 LEC, 11:15-12:30 MW, Blegen Hall 435, In Person; Meets With: 001 CHIC 3216W001 CHIC 5216W; Karen Mary Davalos ; 3 cr.

3896 Directed Professional Experience

(Student Option; Prereq: instr consent)

52899 001 IND, 00:00-00:00 , , In Person; Daniel Greenberg ; 1-2 cr.

3921W Art of the Film

(Student Option; AH,WI)

53543 001 LEC, 12:20-14:15 MW, Blegen Hall 10, In Person; Robert Silberman ; 4 cr.
53544 002 DIS, 12:20-13:10 T, Blegen Hall 210, In Person; 4 cr.
55638 003 DIS, 12:20-13:10 Th, Blegen Hall 210, In Person; 4 cr.**3926 The Cinema of Alfred Hitchcock**

(Student Option; AH)

65567 001 LEC, 12:20-14:15 TTh, Anderson Hall 250, In Person; Meets With: 001 ARTH 5926; Robert Silberman ; 3 cr.

3971V Honors: Art History Capstone

(A-F only; WI)

54241 002 IND, 14:30-17:00 Th, Blegen Hall 260, In Person; Meets With: 002 ARTH 3971W; Hannah Wiepke ; 3 cr.

3971W Art History Capstone

(A-F only; Prereq: Arth major, instr consentWI)

53584 002 IND, 14:30-17:00 Th, Blegen Hall 260, In Person; Meets With: 002 ARTH 3971V; Hannah Wiepke ; 3 cr.

3993 Directed Study

(A-F or Audit; Prereq: instr consent)

52900 001 IND, 00:00-00:00 , , In Person; Jane Blocker ; 1-4 cr.
52925 002 IND, 00:00-00:00 , , In Person; 1-4 cr.
52926 003 IND, 00:00-00:00 , , In Person; Michael Gaudio ; 1-4 cr.
52927 004 IND, 00:00-00:00 , , In Person; Sinem Casale ; 1-4 cr.
52928 005 IND, 00:00-00:00 , , In Person; Jennifer Marshall ; 1-4 cr.
52929 006 IND, 00:00-00:00 , , In Person; Steven Ostrow ; 1-4 cr.
52930 007 IND, 00:00-00:00 , , In Person; Robert Silberman ; 1-4 cr.**3994 Directed Research**

(A-F or Audit; Prereq: instr consent)

52901 001 IND, 00:00-00:00 , , In Person; Jane Blocker ; 1-4 cr.
53378 002 IND, 00:00-00:00 , , In Person; Sinem Casale ; 1-4 cr.
53379 003 IND, 00:00-00:00 , , In Person; 1-4 cr.
53380 004 IND, 00:00-00:00 , , In Person; Michael Gaudio ; 1-4 cr.
53381 005 IND, 00:00-00:00 , , In Person; Jennifer Marshall ; 1-4 cr.
53382 006 IND, 00:00-00:00 , , In Person; Steven Ostrow ; 1-4 cr.
53383 007 IND, 00:00-00:00 , , In Person; Robert Silberman ; 1-4 cr.
53384 008 IND, 00:00-00:00 , , In Person; 1-4 cr.
53385 009 IND, 00:00-00:00 , , In Person; 1-4 cr.
53386 010 IND, 00:00-00:00 , , In Person; 1-4 cr.
53634 011 IND, 00:00-00:00 , , In Person; 1-4 cr.**5766 Chinese Painting**

(Student Option;)

65569 001 LEC, 09:45-12:15 M, Blegen Hall 225, In Person;
Daniel Greenberg ; 3 cr.

5926 The Cinema of Alfred Hitchcock

(Student Option;)
67659 001 LEC, 12:20-14:15 TTh, Anderson Hall 250, In
Person; Meets With: 001 ARTH 3926; Robert Silberman ;
3 cr.

5993 Directed Study

(A-F or Audit; Prereq: instr consent)
52902 001 IND, 00:00-00:00 , , In Person; Jane Blocker ; 1-4
cr.
52934 002 IND, 00:00-00:00 , , In Person; Laura Kalba ; 1-4
cr.
52935 003 IND, 00:00-00:00 , , In Person; Sinem Casale ;
1-4 cr.
52936 004 IND, 00:00-00:00 , , In Person; Michael Gaudio ;
1-4 cr.
52937 005 IND, 00:00-00:00 , , In Person; Jennifer Marshall ;
1-4 cr.
52938 006 IND, 00:00-00:00 , , In Person; Steven Ostrow ;
1-4 cr.
52939 007 IND, 00:00-00:00 , , In Person; Robert Silberman ;
1-4 cr.

5994 Directed Research

(A-F or Audit; Prereq: instr consent)
52903 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

Arts and Cultural Leadership (ACL)

5221 Creative Entrepreneurship and Resource Development

(A-F or Audit;)
63413 001 LEC, 18:00-20:30 M, Carlson School of Mgmt
1-127, In Person; Stephen Rueff ; 3 cr.

5241 Financial Management for Arts Nonprofits, Community Organizations, and Artists

(A-F or Audit;)
64306 001 LEC, 18:00-20:30 W, Ruttan Hall B30, In Person;
Dawn Bentley ; 3 cr.

5993 Directed Studies

(A-F only; Prereq: Grad student, dept consent)
63273 001 IND, Independent/Directed Study; 1-4 cr.

Asian & Middle Eastern Studies (AMES)

3265W The Fantastic in East Asia: Ghosts, Foxes, and the Alien

(Student Option; Prereq: Some coursework in East
Asia recommendedLITR,WI)
65953 001 LEC, 14:30-15:45 MW, Nicholson Hall 35, In
Person; Paul Rouzer ; 3 cr.

3357 Taiwan Film

(A-F only;)
64552 001 LEC, 16:00-18:30 W, Folwell Hall 108,
13:00-14:15 MW, Civil Engineering Bldg 212, In Person;
Jason McGrath ; 3 cr.

3420 Topics in Japanese Culture

(Student Option;)
67168 001 LEC, 11:15-12:30 TTh, Nicholson Hall 145, In
Person; Maki Isaka ; 1-3 cr.

3437 The Japanese Novel

(A-F only; GP,LITR)
64554 001 LEC, 16:00-17:15 TTh, Folwell Hall 12, In Person;
Nicolas Audet ; 3 cr.

3441W Japanese Theater

(A-F or Audit; AH,WI)
65951 001 LEC, 14:30-15:45 TTh, Nicholson Hall 335, In
Person; Maki Isaka ; 3 cr.

3456 Japanese Film

(Student Option; GP)
67196 001 LEC, 09:45-11:00 MW, Nicholson Hall 155, In
Person; Baryon Tensor Posadas ; 3 cr.

3467 Science Fiction, Empire, Japan

(A-F only;)

55259 001 LEC, 14:30-15:45 MW, Folwell Hall 108, In
Person; Baryon Tensor Posadas ; 3 cr.

3556 Korean Film and Media

(Student Option; AH,GP)
55261 001 LEC, 13:00-14:15 TTh, Blegen Hall 5, In Person;
Meets With: 001 AMES 5556; Travis Workman ; 3 cr.

3558 Korean Popular Culture

(A-F only; AH,GP)
67269 001 LEC, 09:45-11:00 TTh, Scott Hall 4, In Person;
Soo Hyun Jackelen ; 3 cr.

3587 Current Affairs and Everyday Life in Two Koreas

(Student Option;)
55360 001 LEC, 16:00-17:15 MW, Nicholson Hall 125, In
Person; Hangtae Cho ; 3 cr.

3636 South Asian Women Writers

(A-F only;)
65954 001 LEC, 13:00-14:15 MW, Nicholson Hall 145, In
Person; Meets With: 001 AMES 5636; Sreyashi Ray ; 3 cr.

3679 Religion and Society in Modern South Asia

(Student Option; AH,GP)
68756 001 LEC, 09:45-11:00 TTh, Burton Hall 125, In
Person; Meets With: 001 RELS 3679; Nida Sajid ; 3 cr.

3756 Southeast Asian Cinema

(Student Option; AH,GP)
55359 001 LEC, 09:45-11:00 TTh, Nicholson Hall 145, In
Person; Palita Chunsangchan ; 3 cr.

3832 The Politics of Arabic Poetry

(A-F only; GP,LITR)
55262 001 LEC, 14:30-15:45 TTh, Folwell Hall 12, In Person;
Katrien Vanpee ; 3 cr.

3993 Directed Study

(Student Option; Prereq:instr consent, dept consent,
college consent.)
53193 001 IND, Independent/Directed Study; 1-4 cr.

4901W Capstone Project in Asian & Middle Eastern Studies

(A-F or Audit; Prereq: AMES major, srWI)
53582 001 LEC, 11:15-12:30 MW, Nicholson Hall 315, In
Person; Joseph Farag ; 3 cr.

5359 Early Shanghai Film Culture

(Student Option;)
65952 001 DIS, 16:00-18:30 M, Folwell Hall 107, In Person;
Jason McGrath ; 3 cr.

5556 Korean Film and Media

(Student Option;)
68659 001 LEC, 13:00-14:15 TTh, Blegen Hall 5, In Person;
Meets With: 001 AMES 3556; Travis Workman ; 3 cr.

5636 South Asian Women Writers

(Student Option;)
65955 001 LEC, 13:00-14:15 MW, Nicholson Hall 145, In
Person; Meets With: 001 AMES 3636; Sreyashi Ray ; 3 cr.

5866 Gender and Sexuality in Modern Arabic Literature

(Student Option;)
65950 001 LEC, 16:00-18:30 W, Kolthoff Hall 135, In Person;
Joseph Farag ; 3 cr.

5993 Directed Study

(Student Option; Prereq:instr consent, dept consent,
college consent.)
52811 001 IND, Independent/Directed Study; 1-4 cr.

Asian American Studies (AAS)

3211W Race & Racism in the U.S.

(A-F or Audit; DSJ,WI)
53978 001 LEC, 09:45-11:00 TTh, Blegen Hall 130, In
Person; Meets With: 001 SOC 3211W; Enid Logan ; 3 cr.

3251W Sociological Perspectives on Race, Class, and Gender

(A-F or Audit; DSJ,WI,SOCS)
53933 001 LEC, 13:00-14:15 TTh, Blegen Hall 155, In
Person; Meets With: 001 SOC 3251W; Enid Logan ; 3 cr.

3341 Asian American Images

(Student Option; AH,DSJ)

54196 001 DIS, 17:30-20:00 M, Ford Hall 155, In Person;
Meets With: 001 COMM 3341; John Matsunaga ; 3 cr.

3409W Asian American Women's Cultural Production

(Student Option; AH,WI,DSJ)
54824 001 DIS, 17:00-19:30 T, Nicholson Hall 315, In
Person; Meets With: 001 GWSS 3409W; Jigna Desai ; 3 cr.

3920 Topics in Asian American Studies

(Student Option;)
68403 001 LEC, 17:00-19:30 Th, Appleby Hall 311, In
Person; Marlina Gonzalez ; 2-4 cr.

3993 Directed Studies in Asian American Studies

(Student Option; Prereq: instr consent)
53042 001 IND, 00:00-00:00 , , In Person; 1-9 cr.

5993 Directed Readings

(Student Option;)
54207 001 IND, In Person; 1-4 cr.

Astronomy (AST)

1001 Exploring the Universe

(Student Option; ENV,PHYS)
57669 001 LEC, 09:45-11:00 TTh, Tate Hall B50, In Person;
Evan Skillman ; 4 cr.
57670 003 LEC, 14:30-15:45 TTh, Tate Hall B20, In Person;
Patrick Kelly ; 4 cr.
57671 101 LAB, 09:05-11:00 M, Tate Hall B27, In Person; 4
cr.
57672 102 LAB, 10:10-12:05 M, Tate Hall B29, In Person; 4
cr.
57673 104 LAB, 12:20-14:15 M, Tate Hall B29, In Person; 4
cr.
57674 105 LAB, 13:25-15:20 M, Tate Hall B27, In Person; 4
cr.
57675 103 LAB, 11:15-13:10 M, Tate Hall B27, In Person; 4
cr.
57676 109 LAB, 10:10-12:05 T, Tate Hall B29, In Person; 4
cr.
57677 110 LAB, 11:15-13:10 T, Tate Hall B27, In Person; 4
cr.
57678 111 LAB, 12:20-14:15 T, Tate Hall B29, In Person; 4
cr.
57679 114 LAB, 15:35-17:30 T, Tate Hall B27, In Person; 4
cr.
57681 117 LAB, 11:15-13:10 W, Tate Hall B29, In Person; 4
cr.
57682 118 LAB, 12:20-14:15 W, Tate Hall B27, In Person; 4
cr.
57683 116 LAB, 10:10-12:05 W, Tate Hall B27, In Person; 4
cr.
58168 113 LAB, 14:30-16:25 T, Tate Hall B29, In Person; 4
cr.
58269 106 LAB, 14:30-16:25 M, Tate Hall B29, In Person; 4
cr.
59523 002 LEC, 13:00-14:15 TTh, Tate Hall B50, In Person;
Evan Skillman ; 4 cr.
59740 119 LAB, 13:25-15:20 W, Tate Hall B29, In Person; 4
cr.
59741 123 LAB, 10:10-12:05 Th, Tate Hall B29, In Person; 4
cr.
59742 124 LAB, 14:30-16:25 Th, Tate Hall B29, In Person; 4
cr.
59744 126 LAB, 09:05-11:00 F, Tate Hall B27, In Person; 4
cr.
59745 127 LAB, 10:10-12:05 F, Tate Hall B29, In Person; 4
cr.
59746 128 LAB, 11:15-13:10 F, Tate Hall B27, In Person; 4
cr.
60514 108 LAB, 09:05-11:00 Th, Tate Hall B27, In Person; 4
cr.
60515 112 LAB, 13:25-15:20 T, Tate Hall B27, In Person; 4
cr.
60516 120 LAB, 14:30-16:25 W, Tate Hall B27, In Person; 4
cr.
60517 121 LAB, 15:35-17:30 W, Tate Hall B29, In Person; 4
cr.
68087 107 LAB, 15:35-17:30 M, Tate Hall B27, In Person; 4
cr.

2993 Directed Studies

(Student Option; Prereq: 1 yr calculus, Phys 1302, instr consent)

57685 001 IND, 00:00-00:00 , , In Person; 1-5 cr.
 58812 002 IND, 00:00-00:00 , , In Person; 1-5 cr.
 58813 003 IND, 00:00-00:00 , , In Person; Robert Gehr; 1-5 cr.
 58814 004 IND, 00:00-00:00 , , In Person; 1-5 cr.
 58815 005 IND, 00:00-00:00 , , In Person; 1-5 cr.
 58816 006 IND, 00:00-00:00 , , In Person; Thomas Jones ; 1-5 cr.
 58817 007 IND, 00:00-00:00 , , In Person; Larry Rudnick ; 1-5 cr.
 58832 008 IND, 00:00-00:00 , , In Person; Claudia Scarlata ; 1-5 cr.
 58910 009 IND, 00:00-00:00 , , In Person; Evan Skillman ; 1-5 cr.
 58911 010 IND, 00:00-00:00 , , In Person; Liliya Williams ; 1-5 cr.
 58912 011 IND, 00:00-00:00 , , In Person; Chick Woodward ; 1-5 cr.
 59522 012 IND, 00:00-00:00 , , In Person; Paul Woodward ; 1-5 cr.

4002 Astrophysics II**(A-F or Audit; Prereq: 2001, Phys 2601)**

58439 001 LEC, 10:10-12:05 TTh, Tate Hall B85, In Person; Liliya Williams ; 4 cr.

4299H Senior Honors Astrophysics**Research Seminar****(Student Option; Prereq: upper div honors student in IT or CLA, inst consent)**

57688 001 LEC, 14:30-15:20 F, Tate Hall 301-20, In Person; Meets With: 001 AST 8200; Michael Coughlin ; 1 cr.

4993 Directed Studies**(Student Option; Prereq: 2001, instr consent)**

57686 001 IND, 00:00-00:00 , , In Person; 1-5 cr.
 58818 002 IND, 00:00-00:00 , , In Person; 1-5 cr.
 58819 003 IND, 00:00-00:00 , , In Person; Robert Gehr; 1-5 cr.
 58820 004 IND, 00:00-00:00 , , In Person; 1-5 cr.
 58821 005 IND, 00:00-00:00 , , In Person; 1-5 cr.
 58822 006 IND, 00:00-00:00 , , In Person; Thomas Jones ; 1-5 cr.
 58823 007 IND, 00:00-00:00 , , In Person; Larry Rudnick ; 1-5 cr.
 58833 008 IND, 00:00-00:00 , , In Person; Claudia Scarlata ; 1-5 cr.
 58907 009 IND, 00:00-00:00 , , In Person; Evan Skillman ; 1-5 cr.
 58908 010 IND, 00:00-00:00 , , In Person; Liliya Williams ; 1-5 cr.
 58909 011 IND, 00:00-00:00 , , In Person; Chick Woodward ; 1-5 cr.
 59347 012 IND, 00:00-00:00 , , In Person; Paul Woodward ; 1-5 cr.

4994W Directed Research**(A-F only; WI)**

57687 024 IND, 00:00-00:00 , , In Person; Lindsay Glesener ; 2-5 cr.
 58824 002 IND, 00:00-00:00 , , In Person; Patrick Kelly ; 2-5 cr.
 58825 003 IND, 00:00-00:00 , , In Person; Robert Gehr; 2-5 cr.
 58826 004 IND, 00:00-00:00 , , In Person; Ken Heller ; 2-5 cr.
 58827 005 IND, 00:00-00:00 , , In Person; Terry Jones ; 2-5 cr.
 58828 006 IND, 00:00-00:00 , , In Person; Thomas Jones ; 2-5 cr.
 58829 007 IND, 00:00-00:00 , , In Person; Larry Rudnick ; 2-5 cr.
 58834 008 IND, 00:00-00:00 , , In Person; Claudia Scarlata ; 2-5 cr.
 58904 009 IND, 00:00-00:00 , , In Person; Evan Skillman ; 2-5 cr.
 58905 010 IND, 00:00-00:00 , , In Person; Liliya Williams ; 2-5 cr.
 58906 011 IND, 00:00-00:00 , , In Person; Chick Woodward ; 2-5 cr.
 59468 012 IND, 00:00-00:00 , , In Person; Paul Woodward ; 2-5 cr.
 59469 013 IND, 00:00-00:00 , , In Person; Cynthia Cattell ; 2-5 cr.
 59470 014 IND, 00:00-00:00 , , In Person; Priscilla Cushman ; 2-5 cr.
 59471 015 IND, 00:00-00:00 , , In Person; Lucy Fortson ; 2-5 cr.
 59472 016 IND, 00:00-00:00 , , In Person; Shaul Hanany ; 2-5 cr.
 59473 017 IND, 00:00-00:00 , , In Person; Robert Lysak ; 2-5 cr.
 59474 018 IND, 00:00-00:00 , , In Person; Vuk Mandic ; 2-5 cr.

59475 019 IND, 00:00-00:00 , , In Person; Keith Olive ; 2-5 cr.
 59476 020 IND, 00:00-00:00 , , In Person; Marco Peloso ; 2-5 cr.
 59477 021 IND, 00:00-00:00 , , In Person; Clement Pryke ; 2-5 cr.
 59478 022 IND, 00:00-00:00 , , In Person; Yongzhong Qian ; 2-5 cr.
 59479 023 IND, 00:00-00:00 , , In Person; John Wygant ; 2-5 cr.

Biochemistry (BIOC)**3021 Biochemistry****(Student Option; Prerequisites: Introductory biology (BIOL 1009 or BIOL 2003 or equivalent), organic chemistry (CHEM 2301 or CHEM 2081/2085 or equivalent). Note: CBS students should take BIOC 3022 not 3021.)**

50001 090 LEC, 00:00-00:00 , ONLINE, Completely Online; Robert Roon ; 3 cr.
 50003 002 LEC, 09:45-11:00 TTh, Molecular Cellular Biol 3-120, In Person; Meets With: 003 BIOC 6021; Kenneth Adolph ; 3 cr.

3022 Biochemistry for Life Scientists**(Student Option; Prereq: CHEM 2301 or CHEM 2081/2085 or equivalent)**

50073 001 LEC, 14:30-15:45 TTh, Molecular Cellular Biol 3-120, In Person; Robert Evans, Christina Camell ; 3 cr.
 50075 002 LEC, 16:00-17:15 TTh, Bruininks Hall 312, In Person; Janet Schottel ; 3 cr.

3600 Special Topics in Biochemistry**(Student Option;)**

68368 001 DIS, 14:00-14:50 T, Armory Building 202, In Person; 1-3 cr.

4025W Laboratory in Biochemistry**(Student Option; Prereq: 3021, 3022, or 4331 or equivWI)**

49758 001 LEC, 15:35-16:25 M, Molecular Cellular Biol 3-120, In Person; Beverly Smith-Keiling ; 2 cr.
 49759 002 LAB, 08:15-11:55 T, Molecular Cellular Biol 2-128, In Person; Beverly Smith-Keiling ; 2 cr.
 49760 003 LAB, 13:15-16:55 T, Molecular Cellular Biol 2-128, In Person; Beverly Smith-Keiling ; 2 cr.
 49761 004 LAB, 08:15-11:55 Th, Molecular Cellular Biol 2-128, In Person; Beverly Smith-Keiling ; 2 cr.
 49762 005 LAB, 13:15-16:55 Th, Molecular Cellular Biol 2-128, In Person; Beverly Smith-Keiling ; 2 cr.
 49763 006 LAB, 17:20-21:00 T, Molecular Cellular Biol 2-128, In Person; Beverly Smith-Keiling ; 2 cr.
 49764 007 LAB, 17:20-21:00 Th, Molecular Cellular Biol 2-128, In Person; Beverly Smith-Keiling ; 2 cr.

4225 Laboratory in NMR Techniques**(S-N only; Prereq: 4331; 4521 recommended; intended for biochemistry majors)**

67617 001 LAB, 09:00-17:00 MTWTh, Lab TBA, In Person; Todd Rappe ; 1 cr.

4325 Laboratory in Mass Spectrometry**(S-N only; Prereq: 4332, 4521)**

67616 001 LAB, 08:30-12:00 TWTh, Gortner Laboratory 239, 09:00-12:00 F, Molecular Cellular Biol 2-120, In Person; Timothy Griffin ; 1 cr.

4331 Biochemistry I: Structure, Catalysis, and Metabolism in Biological Systems**(Student Option; Prereq: (BIOL 1009 or 2003 or equiv) AND (Chem 2302 or CHEM 2081/2085 or equiv))**

49901 001 LEC, 14:30-15:20 MTWTh, Mayo Bldg & Additions C231, In Person; Michael Freeman, Carrie Wilmot ; 4 cr.

4332 Biochemistry II: Molecular Mechanisms of Signal Transduction and Gene Expression**(Student Option; Prereq: BioC 4331 or Bioc 3201 or BioC 3022)**

49765 001 LEC, 12:20-14:15 TTh, Mayo Bldg & Additions C231, In Person; David Bernlohr, Paul Siliciano ; 4 cr.

4521 Introduction to Physical Biochemistry**(Student Option; Prereq: 4331 recommended, (Chem 1081 or 1061 and 1065) AND (Physics 1221 or 1201W or 1301W) required)**

49944 001 LEC, 09:05-09:55 MWF, Molecular Cellular Biol 2-120, In Person; Kevin Mayo, Robert Evans ; 3 cr.

4793W Directed Studies: Writing Intensive**(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements.WI)**

49873 001 IND, 00:00-00:00 , , In Person; 1-7 cr.

4794W Directed Research: Writing Intensive**(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements.WI)**

49874 001 IND, In Person; 1-7 cr.
 50219 002 IND, In Person; 1-7 cr.

4993 Directed Studies**(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements.)**

49837 001 IND, 00:00-00:00 , , In Person; 1-7 cr.

4994 Directed Research**(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements.)**

49838 001 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49919 002 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49920 003 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49921 004 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49922 005 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49924 006 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49925 007 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49926 008 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49927 009 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49928 010 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49929 011 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49930 012 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49931 013 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49932 014 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49933 015 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49934 016 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49935 017 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49936 018 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49937 019 IND, 00:00-00:00 , , In Person; 1-7 cr.
 49938 020 IND, 00:00-00:00 , , In Person; 1-7 cr.

5002 Critical Evaluation of Biochemistry Research**(S-N only;)**

50129 001 DIS, 11:15-12:05 MW, Molecular Cellular Biol 2-122, In Person; Laurie Parker ; 1 cr.

5216 Current Topics in Signal Transduction**(A-F only;)**

50014 001 LEC, 13:00-14:40 MW, Moos Health Sci Tower 2-118, In Person; Do-Hyung Kim ; 2 cr.

5225 Graduate Laboratory in NMR Techniques**(S-N only; Prereq: 8001 or instr consent)**

49958 002 LAB, In Person; 1 cr.
 50206 001 LEC, 10:00-18:00 TWThF, Mayo Bldg & Additions G120, In Person; Todd Rappe ; 1 cr.

5309 Biocatalysis and Biodegradation**(Student Option;)**

50063 001 LEC, 08:45-10:00 TTh, Ruttan Hall B22, In Person; Lawrence Wackett ; 3 cr.

5352 Biotechnology and Bioengineering for Biochemists**(A-F or Audit; Prerequisites: Biochemistry (BIOC 3021 or 3022 or 4331) and Microbiology MICB 3301)**

49917 001 LEC, 13:30-14:45 MW, Ruttan Hall B26, In Person; Claudia Schmidt-Dannert ; 3 cr.

5444 Muscle**(Student Option; Prereq: 3021 or BIOL 3021 or 4331 or BIOL 4331 or PHSL 3061 or instr consent)**

49880 001 LEC, Completely Online; Meets With: 001 PHSL 5444; Vincent Barnett, David Thomas ; 3 cr.

Bioethics, Center for (BTHX)**5000 Topics in Bioethics****(Student Option;)**

65374 001 LEC, 09:30-12:00 W, Walter W Heller Hall 731, In Person; Meets With: 002 BTHX 8610001 PHIL 5760; Carl Elliott ; 1-4 cr.

5100 Introduction to Clinical Ethics

(Student Option;)

67936 001 LEC, 15:30-18:00 Th, Health Sciences Edu Ctr
4-101, Partially Online; Joan Henriksen ; 3 cr.

5900 Independent Study in Bioethics**(Student Option; Prereq: instr consent)**

49120 001 IND, 00:00-00:00 , , Independent/Directed Study;
Debra DeBruin ; 1-4 cr.
49121 003 IND, 00:00-00:00 , , Independent/Directed Study;
Carl Elliott ; 1-4 cr.

Biology (BIOL)**1001 Introductory Biology: Evolutionary and Ecological Perspectives****(Student Option; Prerequisites for allied health grad programs.BIOL)**

49789 001 LEC, 14:30-15:45 TTh, Willey Hall 125, In Person;
Charlie Willis ; 4 cr.
49790 002 LAB, 10:10-12:05 M, Molecular Cellular Biol
2-140, In Person; 4 cr.
49791 003 LAB, 12:20-14:15 M, Molecular Cellular Biol
2-140, In Person; 4 cr.
49792 004 LAB, 14:30-16:25 M, Molecular Cellular Biol
2-140, In Person; 4 cr.
49794 006 LAB, 08:00-09:55 T, Molecular Cellular Biol
2-140, In Person; 4 cr.
49795 007 LAB, 10:10-12:05 T, Molecular Cellular Biol
2-140, In Person; 4 cr.
49796 009 LAB, 10:10-12:05 W, Molecular Cellular Biol
2-140, In Person; 4 cr.
49797 010 LAB, 12:20-14:15 W, Molecular Cellular Biol
2-140, In Person; 4 cr.
49799 012 LAB, 16:40-18:35 W, Molecular Cellular Biol
2-140, In Person; 4 cr.
49854 011 LAB, 14:30-16:25 W, Molecular Cellular Biol
2-140, In Person; 4 cr.
49855 005 LAB, 16:40-18:35 M, Molecular Cellular Biol
2-140, In Person; 4 cr.
50086 090 LEC, Completely Online; Charlie Willis ; 4 cr.
50240 091 LEC, Completely Online; Charlie Willis ; 4 cr.
50254 013 LAB, 10:10-12:05 Th, Molecular Cellular Biol
2-140, In Person; 4 cr.
50263 092 LEC, Completely Online; Charlie Willis ; 4 cr.
50267 093 LEC, Completely Online; Charlie Willis ; 4 cr.
67614 014 LAB, 12:20-14:15 Th, Molecular Cellular Biol
2-140, In Person; 4 cr.

1003 Evolution and Biology of Sex**(Student Option; Prerequisites for allied health grad programs.BIOL)**

49963 001 LEC, 09:45-11:00 MW, Bruininks Hall 312, In
Person; Katherine Furniss ; 4 cr.
49964 002 LAB, 10:10-12:05 T, Molecular Cellular Biol
2-136, In Person; 4 cr.
49965 003 LAB, 12:20-14:15 T, Molecular Cellular Biol
2-136, In Person; 4 cr.
49966 004 LAB, 12:20-14:15 W, Molecular Cellular Biol
2-136, In Person; 4 cr.
49967 005 LAB, 16:40-18:35 W, Molecular Cellular Biol
2-136, In Person; 4 cr.
49968 006 LAB, 12:20-14:15 Th, Molecular Cellular Biol
2-136, In Person; 4 cr.
49995 020 LEC, 11:15-12:30 MW, Bruininks Hall 312, In
Person; Katherine Furniss ; 4 cr.
49996 021 LAB, 08:00-09:55 T, Molecular Cellular Biol
2-136, In Person; 4 cr.
49997 022 LAB, 14:30-16:25 T, Molecular Cellular Biol
2-136, In Person; 4 cr.
49998 023 LAB, 16:40-18:35 T, Molecular Cellular Biol
2-136, In Person; 4 cr.
49999 024 LAB, 14:30-16:25 W, Molecular Cellular Biol
2-136, In Person; 4 cr.
50000 025 LAB, 10:10-12:05 Th, Molecular Cellular Biol
2-136, In Person; 4 cr.
50025 030 LEC, 09:45-11:00 TTh, Bruininks Hall 220, In
Person; Sarah Hammarlund ; 4 cr.
50026 031 LAB, 12:20-14:15 T, Molecular Cellular Biol
2-138, In Person; 4 cr.
50027 032 LAB, 14:30-16:25 T, Molecular Cellular Biol
2-138, In Person; 4 cr.
50028 033 LAB, 16:40-18:35 T, Molecular Cellular Biol
2-138, In Person; 4 cr.
50029 034 LAB, 10:10-12:05 W, Molecular Cellular Biol
2-138, In Person; 4 cr.
50030 035 LAB, 12:20-14:15 W, Molecular Cellular Biol
2-138, In Person; 4 cr.
50067 036 LAB, 14:30-16:25 W, Molecular Cellular Biol
2-138, In Person; 4 cr.
50068 037 LAB, 16:40-18:35 W, Molecular Cellular Biol
2-138, In Person; 4 cr.
50069 038 LAB, 12:20-14:15 Th, Molecular Cellular Biol
2-138, In Person; 4 cr.

50070 039 LAB, 14:30-16:25 Th, Molecular Cellular Biol
2-138, In Person; 4 cr.

1009 General Biology**(Student Option; Prerequisite and requirement in many majors.BIOL)**

49771 001 LEC, 09:45-11:00 TTh, Nicholson Hall 275, In
Person; Cheryl Scott ; 4 cr.
49772 002 LAB, 12:20-14:15 T, Molecular Cellular Biol
2-139, In Person; 4 cr.
49773 003 LAB, 14:30-16:25 T, Molecular Cellular Biol
2-139, In Person; 4 cr.
49774 004 LAB, 16:40-18:35 T, Molecular Cellular Biol
2-139, In Person; 4 cr.
49775 005 LAB, 10:10-12:05 W, Molecular Cellular Biol
2-139, In Person; 4 cr.
49776 007 LAB, 14:30-16:25 Th, Molecular Cellular Biol
2-139, In Person; 4 cr.
49777 031 LAB, 08:00-09:55 T, Molecular Cellular Biol
2-137, In Person; 4 cr.
49778 032 LAB, 10:10-12:05 T, Molecular Cellular Biol
2-139, In Person; 4 cr.
49779 033 LAB, 14:30-16:25 T, Molecular Cellular Biol
2-137, In Person; 4 cr.
49780 034 LAB, 10:10-12:05 W, Molecular Cellular Biol
2-141, In Person; 4 cr.
49781 084 LAB, 10:10-12:05 Th, Molecular Cellular Biol
2-139, In Person; 4 cr.
49783 085 LAB, 12:20-14:15 Th, Molecular Cellular Biol
2-137, In Person; 4 cr.
49784 086 LAB, 12:20-14:15 Th, Molecular Cellular Biol
2-139, In Person; 4 cr.
49896 006 LAB, 12:20-14:15 W, Molecular Cellular Biol
2-139, In Person; 4 cr.
49945 035 LAB, 14:30-16:25 W, Molecular Cellular Biol
2-139, In Person; 4 cr.
49946 071 LAB, 10:10-12:05 T, Molecular Cellular Biol
2-137, In Person; 4 cr.
49947 072 LAB, 12:20-14:15 T, Molecular Cellular Biol
2-137, In Person; 4 cr.
49948 073 LAB, 12:20-14:15 T, Molecular Cellular Biol
2-141, In Person; 4 cr.
49949 074 LAB, 14:30-16:25 T, Molecular Cellular Biol
2-141, In Person; 4 cr.
49950 075 LAB, 16:40-18:35 T, Molecular Cellular Biol
2-141, In Person; 4 cr.
49951 076 LAB, 10:10-12:05 W, Molecular Cellular Biol
2-137, In Person; 4 cr.
49952 077 LAB, 12:20-14:15 W, Molecular Cellular Biol
2-137, In Person; 4 cr.
49953 078 LAB, 14:30-16:25 W, Molecular Cellular Biol
2-137, In Person; 4 cr.
49957 087 LAB, 14:30-16:25 Th, Molecular Cellular Biol
2-137, In Person; 4 cr.
49976 079 LAB, 14:30-16:25 W, Molecular Cellular Biol
2-141, In Person; 4 cr.
49978 080 LAB, 16:40-18:35 W, Molecular Cellular Biol
2-137, In Person; 4 cr.
50071 083 LAB, 10:10-12:05 Th, Molecular Cellular Biol
2-137, In Person; 4 cr.
50119 090 LEC, Completely Online; Brian Gibbens ; 4 cr.
50244 091 LEC, Completely Online; Brian Gibbens ; 4 cr.
66263 070 LEC, Completely Online; Sue Gibson ; 4 cr.
66264 030 LEC, 13:00-14:15 TTh, Nicholson Hall 155, In
Person; Antony Dean ; 4 cr.
66265 036 LAB, 16:40-18:35 Th, Molecular Cellular Biol
2-139, In Person; 4 cr.
66266 088 LAB, 16:40-18:35 Th, Molecular Cellular Biol
2-137, In Person; 4 cr.

1009H Honors: General Biology**(A-F only; Prerequisite and requirement in many majors.BIOL)**

49885 001 LEC, 13:00-14:15 TTh, Bruininks Hall 131A, In
Person; Cheryl Scott ; 4 cr.
49886 081 LAB, 10:10-12:05 T, Molecular Cellular Biol
2-141, In Person; 4 cr.
50241 082 LAB, 12:20-14:15 W, Molecular Cellular Biol
2-141, In Person; 4 cr.

1012 Human Biology: Concepts and**Current Ethical Issues**

(Student Option; Prerequisites for allied health grad programs. This course explores several interdisciplinary questions, each of which addresses biology through an ethical and societal lens. In ? What makes humans unique?? we will consider the evolution of human traits, how the concept of race relates to human genetic diversity, and the fallibility of human memories. In ?How does blood and organ donation work?? we will examine how our bodies can recognize and respond to foreign materials, how vaccines work, and who should have access to life saving tissue and organ transplants. In ?How do stress, diet and exercise affect health?? we will

consider disparities in access to adequate nutrition, exposure to stress, and exercise, and how these affect our bodies and our mental health. Lastly, in ? How does a unique individual develop from a single cell? we will examine how a single cell develops into a fully functional human being, and how similar processes lead to cancer. We will also consider the role of genes and hormones in human reproduction and the development of reproductive structures in embryos, while explicitly addressing the ethics of the distinctions between the concepts of sex characteristics, sex assigned at birth, and gender. We will learn how a cell can become cancerous, as well as how a cell develops into a fully functioning human being. Additionally, we will consider the role of hormones in the development of male, female, and intersex organs, while being explicit about the differences between gender, sexual orientation, and sex assigned at birth. In lecture, instructors and teaching assistants will support students as they evaluate data and work through concepts in teams. Students will also dedicate significant time to the consideration of ethical questions in human biology, and work with teammates to organize and present a position on a policy related to an ethics question. In lab, students will further explore human anatomy and physiology, connecting structure and function through several dissections and activities. Students will read and share scientific papers, make observations, design experiments and analyze data. Students will work in teams to complete a multi-week project on the physiology of stress. We will continue our exploration of ethics topics in lab, where we will discuss and apply ethics in human subjects research and research on non-human animals. About ? of the course grade will be based on four traditional lecture exams and a final lab exam. The remainder of the course grade is comprised of open notes quizzes, in class team assignments, individual assignments, and team projects. Course grading is based on mastery of concepts and skills, and students are encouraged to collaborate in understanding course material.BIOL,CIV)

49980 001 LEC, 13:25-14:15 MWF, Bruininks Hall 412, In
Person; Kristina Prescott, Theresa Edelman ; 4 cr.
49981 002 LAB, 12:20-14:15 T, Molecular Cellular Biol
2-142, In Person; 4 cr.
49982 003 LAB, 16:40-18:35 T, Molecular Cellular Biol
2-142, In Person; 4 cr.
49983 004 LAB, 10:10-12:05 W, Molecular Cellular Biol
2-142, In Person; 4 cr.
49984 005 LAB, 14:30-16:25 W, Molecular Cellular Biol
2-142, In Person; 4 cr.
49985 006 LAB, 10:10-12:05 Th, Molecular Cellular Biol
2-142, In Person; 4 cr.
49988 020 LEC, 14:30-15:20 MWF, Bruininks Hall 412, In
Person; Kristina Prescott, Theresa Edelman ; 4 cr.
49989 021 LAB, 10:10-12:05 T, Molecular Cellular Biol
2-142, In Person; 4 cr.
49990 022 LAB, 14:30-16:25 T, Molecular Cellular Biol
2-142, In Person; 4 cr.
49992 024 LAB, 16:40-18:35 W, Molecular Cellular Biol
2-142, In Person; 4 cr.
50010 007 LAB, 14:30-16:25 Th, Molecular Cellular Biol
2-142, In Person; 4 cr.
50011 026 LAB, 12:20-14:15 Th, Molecular Cellular Biol
2-142, In Person; 4 cr.

1015 Human Physiology, Technology, and Medical Devices**(Student Option; Prerequisites for most biomedical graduate programs.BIOL,TS)**

50081 001 LEC, 11:15-12:30 TTh, Bruininks Hall 131B, In
Person; Murray Jensen ; 4 cr.
50082 002 LAB, 16:40-18:35 T, Molecular Cellular Biol
2-126, In Person; 4 cr.
50083 003 LAB, 10:10-12:05 W, Molecular Cellular Biol
2-126, In Person; 4 cr.
50084 004 LAB, 14:30-16:25 W, Molecular Cellular Biol
2-126, In Person; 4 cr.
50142 010 LEC, 13:00-14:15 TTh, Bruininks Hall 131B, In
Person; Murray Jensen ; 4 cr.
50143 011 LAB, 14:30-16:25 T, Molecular Cellular Biol
2-126, In Person; 4 cr.
50144 012 LAB, 12:20-14:15 W, Molecular Cellular Biol
2-126, In Person; 4 cr.
50145 013 LAB, 16:40-18:35 W, Molecular Cellular Biol
2-126, In Person; 4 cr.

1020 Biology Colloquium**(S-N or Audit;)**

50262 002 LEC, 14:30-16:25 T, Smith Hall 231, In Person;
Forest Clarke ; 1 cr.

1052 Environmental Biology: Science and Solutions

(Student Option; ENV)

49986 001 LEC, 09:45-11:00 TTh, Bruininks Hall 230, In Person; Meets With: 001 BIOL 1055; Vanessa Pompei ; 3 cr.

1055 Environmental Biology: Science and Solutions with Laboratory**(Student Option; BIOL, ENV)**

50017 001 LEC, 09:45-11:00 TTh, Bruininks Hall 230, In Person; Meets With: 001 BIOL 1052; Vanessa Pompei ; 4 cr.
50018 002 LAB, 12:20-14:15 Th, Molecular Cellular Biol 2-141, In Person; 4 cr.
50019 003 LAB, 14:30-16:25 Th, Molecular Cellular Biol 2-141, In Person; 4 cr.
50020 004 LAB, 16:40-18:35 Th, Molecular Cellular Biol 2-141, In Person; 4 cr.
50021 005 LAB, 08:00-09:55 F, Molecular Cellular Biol 2-141, In Person; 4 cr.
66239 006 LAB, 10:10-12:05 F, Molecular Cellular Biol 2-141, In Person; 4 cr.

1101 Genetics and Society**(Student Option; Prereq: Credit will not be granted if credit has been received for: BIOL 3020, Biol 4003, GCD 3022. No CBS Major Juniors or Seniors.CIV)**

49987 001 LEC, 09:45-11:00 MW, Bruininks Hall 432, In Person; Ann Rougvie ; 3 cr.

1301 Dean's Scholar: Introduction to Leadership**(S-N only; Prereq: Dean's Scholar)**

50077 001 DIS, 10:10-11:25 M, Bruininks Hall 117, In Person; Mimi Tran ; 1 cr.
50078 002 DIS, 09:05-10:20 T, Kolthoff Hall 139, In Person; Elizabeth Kalinowski Ohrt ; 1 cr.
50079 003 DIS, 13:25-14:40 W, Bruininks Hall 117, In Person; Charlie Ellis ; 1 cr.
50080 004 DIS, 11:15-12:30 Th, Bruininks Hall 117, In Person; Katie Anderson ; 1 cr.

1806 Nature of Life, Part Two**(S-N only; Prereq: 1805)**

50008 001 LEC, 12:20-13:10 F, Willey Hall 175, In Person; Brittany Eich ; 0.5 cr.

1904 Innovation and Imagination in Ireland**(A-F only; GP)**

50231 001 LEC, 14:00-16:00 W, Molecular Cellular Biol 2-122, In Person; John Ward ; 3 cr.

1915 Genomics in Your Current and Future Life**(A-F only;)**

67253 001 LEC, 14:30-15:45 T, Nils Hasselmo Hall 4-101, In Person; Perry Hackett ; 1 cr.

1928 Inventing Nature: The Art and Science of Natural History**(A-F only;)**

50232 001 LEC, 09:20-11:00 F, Bruininks Hall 420A, In Person; Charlie Willis ; 2 cr.

1951 Foundations of Biology Lecture I for Biological Sciences Majors**(A-F only; BIOL)**

50089 001 LEC, 08:00-09:55 MWF, Bruininks Hall 114, In Person; Meets With: 001 BIOL 1951H; David Matthes, Brian Gibbens ; 4 cr.
50090 002 LEC, 10:10-12:05 MWF, Bruininks Hall 114, In Person; Meets With: 002 BIOL 1951H; Anna Mosser, Carrie Wilmot ; 4 cr.
50091 003 LEC, 13:25-15:20 MWF, Bruininks Hall 114, In Person; Meets With: 003 BIOL 1951H; A. Kelly Lane, Anna Mosser ; 4 cr.

1951H Foundations of Biology Lecture I for Biological Sciences Majors**(A-F only; BIOL)**

50092 001 LEC, 08:00-09:55 MWF, Bruininks Hall 114, In Person; Meets With: 001 BIOL 1951; David Matthes, Brian Gibbens ; 4 cr.
50093 002 LEC, 10:10-12:05 MWF, Bruininks Hall 114, In Person; Meets With: 002 BIOL 1951; Anna Mosser, Carrie Wilmot ; 4 cr.
50094 003 LEC, 13:25-15:20 MWF, Bruininks Hall 114, In Person; Meets With: 003 BIOL 1951; A. Kelly Lane, Anna Mosser ; 4 cr.

1961 Foundations of Biology Lab I for Biological Sciences Majors**(A-F only; BIOL)**

50095 001 LAB, 13:00-16:00 MW, Biological Science Ctr 282, In Person; 2 cr.
50096 002 LAB, 13:00-16:00 MW, Biological Science Ctr 286, In Person; 2 cr.
50097 003 LAB, 13:00-16:00 MW, Biological Science Ctr 343, In Person; 2 cr.
50098 004 LAB, 13:00-16:00 MW, Biological Science Ctr 347, In Person; 2 cr.
50099 005 LAB, 13:00-16:00 MW, Biological Science Ctr 355, In Person; 2 cr.
50100 006 LAB, 17:10-20:10 MW, Biological Science Ctr 282, In Person; 2 cr.
50101 007 LAB, 17:10-20:10 MW, Biological Science Ctr 286, In Person; 2 cr.
50102 008 LAB, 17:10-20:10 MW, Biological Science Ctr 343, In Person; 2 cr.
50103 009 LAB, 17:10-20:10 MW, Biological Science Ctr 347, In Person; 2 cr.
50105 011 LAB, 08:30-11:30 TTh, Biological Science Ctr 282, In Person; 2 cr.
50106 012 LAB, 08:30-11:30 TTh, Biological Science Ctr 355, In Person; 2 cr.
50107 013 LAB, 08:30-11:30 TTh, Biological Science Ctr 343, In Person; 2 cr.
50110 016 LAB, 13:00-16:00 TTh, Biological Science Ctr 282, In Person; 2 cr.
50111 017 LAB, 13:00-16:00 TTh, Biological Science Ctr 286, In Person; 2 cr.
50112 018 LAB, 13:00-16:00 TTh, Biological Science Ctr 343, In Person; 2 cr.
50113 019 LAB, 13:00-16:00 TTh, Biological Science Ctr 347, In Person; 2 cr.
50114 020 LAB, 13:00-16:00 TTh, Biological Science Ctr 355, In Person; 2 cr.
66270 010 LAB, 17:10-20:10 MW, Biological Science Ctr 355, In Person; 2 cr.
66271 014 LAB, 08:30-11:30 TTh, Biological Science Ctr 347, In Person; 2 cr.

2003 Foundations of Biology for Biological Sciences Majors, Part II**(A-F only;)**

49939 001 LEC, 11:15-13:10 TTh, Bruininks Hall 114, In Person; Meets With: 001 BIOL 2003H; Deena Wassenberg, Tamar Resnick ; 3 cr.
49940 002 LEC, 13:25-15:20 TTh, Bruininks Hall 114, In Person; Meets With: 002 BIOL 2003H; Tamar Resnick, Sarah Hammarlund ; 3 cr.
66151 003 LEC, 09:30-11:25 MW, Biological Sciences Ctr 64, In Person; Meets With: 003 BIOL 2003H; Deena Wassenberg, David Kirkpatrick ; 3 cr.

2003H Foundations of Biology for Biological Sciences Majors, Part II**(A-F only;)**

49954 001 LEC, 11:15-13:10 TTh, Bruininks Hall 114, In Person; Meets With: 001 BIOL 2003; Deena Wassenberg, Tamar Resnick ; 3 cr.
49955 002 LEC, 13:25-15:20 TTh, Bruininks Hall 114, In Person; Meets With: 002 BIOL 2003; Tamar Resnick, Sarah Hammarlund ; 3 cr.
66152 003 LEC, 09:30-11:25 MW, Biological Sciences Ctr 64, In Person; Meets With: 003 BIOL 2003; Deena Wassenberg, David Kirkpatrick ; 3 cr.

2005 Animal Diversity Laboratory**(Student Option;)**

49823 001 LAB, 09:35-12:35 T, Biological Sciences Ctr 107, In Person; 2 cr.
49824 002 LAB, 13:55-16:55 T, Biological Sciences Ctr 107, In Person; 2 cr.
49825 003 LAB, 18:10-21:10 T, Biological Sciences Ctr 107, In Person; 2 cr.
49826 004 LAB, 10:40-13:40 W, Biological Sciences Ctr 107, In Person; 2 cr.
49827 005 LAB, 13:55-16:55 W, Biological Sciences Ctr 107, In Person; 2 cr.
49828 006 LAB, 17:10-20:10 W, Biological Sciences Ctr 107, In Person; 2 cr.
49829 007 LAB, 09:35-12:35 Th, Biological Sciences Ctr 107, In Person; 2 cr.
49830 008 LAB, 13:55-16:55 Th, Biological Sciences Ctr 107, In Person; 2 cr.
49831 009 LAB, 10:40-13:40 F, Biological Sciences Ctr 107, In Person; 2 cr.

2007 Marine Animal Diversity Laboratory**(A-F only; Prereq/coreq: Biol 2005/Biol 2012/Biol 3012)**

50031 001 LAB, 12:50-15:50 Th, Biological Sciences Ctr 182, In Person; 1 cr.

2101 Brewing: The Biology, History, and Practice**(A-F only; Prereq: BIOL 1001 or 1009 or 1951 or 2002 or 2003 or 2004 Students must be 21 by the first day**

of class to register, we will check IDs on the first day of class. There are three required field trips. For the field trips students meet in McNeal Hall at 1:00pm and return approximately at 5pm to McNeal Hall.)

50062 001 LEC, 17:00-17:50 W, McNeal Hall 144, In Person; Dana Davis, Jeffrey Gralnick ; 3 cr.
50128 002 LAB, 18:00-20:00 W, McNeal Hall 144, 18:00-20:00 W, McNeal Hall 126, In Person; Dana Davis, Jeffrey Gralnick ; 3 cr.

2301 Dean's Scholar: Critical Service Learning**(S-N only; Prereq: 1301, CBS Dean's Scholar)**

50006 002 DIS, 10:10-12:05 T, Ford Hall 150, In Person; Aryn Lipnicki ; 2 cr.

2906 Nature of Life, Part IV**(S-N only; Prereq: 2905)**

50034 001 IND, 00:00-00:00 , ONLINE, Completely Online; Brittany Eich ; 0.5 cr.

2961H Exploring Research in the Biological Sciences**(A-F only; Prereq: CBS, Honors program, soph, dept consent)**

50247 001 LEC, 11:15-12:30 T, Bruininks Hall 312, In Person; Jason Heier ; 1 cr.

2996 Directed Introduction to Research**(S-N only;)**

50245 001 IND, Independent/Directed Study; 1 cr.

3004 Foundations of Biology for Biological Sciences Majors, Part II Laboratory**(A-F only; Prereq: Foundations of Biology Lab I: BIOL 1961, 1961H, 2002, or 2002H AND CHEM 1021, 1061, 1071H, or 1081. Credit will not be granted if credit has been received for: BIOL 3004H.)**

50190 001 LEC, 08:30-10:25 T, Ecology Building 170, In Person; 3 cr.
50191 002 LEC, 12:50-14:45 W, Ecology Building 170, In Person; 3 cr.
50192 003 LEC, 16:05-18:00 Th, Ecology Building 170, In Person; 3 cr.
50193 004 LEC, 16:05-18:00 T, Biological Sciences Ctr 12, In Person; 3 cr.
50194 005 LEC, 13:55-15:50 W, Biological Sciences Ctr 12, In Person; 3 cr.
50195 006 LEC, 08:30-10:25 Th, Biological Sciences Ctr 12, In Person; 3 cr.
50196 007 LEC, 08:30-10:25 T, Biological Sciences Ctr 12, In Person; 3 cr.
50197 008 LEC, 11:45-13:40 W, Biological Sciences Ctr 12, In Person; 3 cr.
50198 009 LEC, 16:05-18:00 W, Biological Sciences Ctr 12, In Person; 3 cr.
50199 010 LEC, 16:05-18:00 Th, Biological Sciences Ctr 12, In Person; 3 cr.
50200 011 LEC, 13:55-15:50 F, Biological Sciences Ctr 12, In Person; 3 cr.
50201 012 LEC, 16:05-18:00 T, Ecology Building 170, In Person; 3 cr.
50257 014 LEC, 15:00-16:55 W, Ecology Building 170, In Person; 3 cr.
50258 015 LEC, 08:30-10:25 Th, Ecology Building 170, In Person; 3 cr.
50259 016 LEC, 09:35-11:30 F, Ecology Building 170, In Person; 3 cr.
66272 017 LEC, 15:00-16:55 F, Ecology Building 170, In Person; 3 cr.

3012 Animal Diversity and Evolution**(Student Option; Prereq: BIOL 1001/1001H, or BIOL 1009/1009H, or BIOL 1951/1951H)**

65870 001 LEC, 09:35-10:25 MWF, Ruttan Hall B35, In Person; Adam Engelhardt ; 4 cr.
65871 002 LAB, 08:30-11:30 T, Biological Sciences Ctr 182, In Person; 4 cr.
65872 003 LAB, 12:50-15:50 T, Biological Sciences Ctr 182, In Person; 4 cr.
65873 004 LAB, 17:10-20:10 T, Biological Sciences Ctr 182, In Person; 4 cr.
65874 005 LAB, 12:50-15:50 W, Biological Sciences Ctr 182, In Person; 4 cr.
65875 006 LAB, 08:30-11:30 Th, Biological Sciences Ctr 182, In Person; 4 cr.

3015 Molecular Biology**(Student Option;)**

50250 001 LEC, 11:15-12:05 MW, Mayo Bldg & Additions 3-125, In Person; Anath Das ; 2 cr.

3025 Molecular Biology and Society

(Student Option; Prerequisites include Biol2003/2003H or [Biol1009/1009H AND Chem1061/1061H].TS)
50124 003 LEC, 13:00-14:15 TTh, Bruininks Hall 312, In Person; Kate Adamala, Aaron Engelhart ; 3 cr.

3051 Genome Editing and Engineering

(Student Option; Prerequisites: Introductory biology such as Biol 1951 and 2003, Biol 1009 or BMEN 2501TS)

50246 001 LEC, 10:15-11:30 TTh, Biological Sciences Ctr 64, In Person; Kyle Costa, Feng Zhang ; 3 cr.

3211 Physiology of Humans and Other Animals

(Student Option; Prereq: [1009 or 2003], [CHEM 1062/1066 or 1082/1086], [2005 is recommended])
49819 001 LEC, 11:15-12:45 TTh, Bruininks Hall 330, In Person; Sarah Malmquist ; 3 cr.

3302 Dean's Scholar: Leadership Capstone Experience

(S-N only; Prereq: 1301, 2301, CBS dean's scholar)
49977 001 DIS, 15:35-16:50 T, Ford Hall 115, In Person; Nikki Letawsky Shultz ; 1 cr.

3610 Internship: Professional Experience in Biological Sciences

(S-N or Audit; Prereq: Acceptance into CBS Internship Program, internship workshop, college consent.)
49839 001 FWK, In Person; Forest Clarke ; 1-6 cr.

3700 Special Topics in Biology

(Student Option;)
68369 001 LEC, 09:00-11:00 TTh, Ruttan Hall B45, In Person; Meets With: 001 DES 3160; Michael Winikoff, Cecilia Wang ; 1-3 cr.
68410 002 LEC, 15:35-17:15 M, Ford Hall 115, In Person; Nikki Letawsky Shultz ; 1-3 cr.

3961H Communicating in the Biological Sciences

(A-F only;)
50012 001 LEC, 12:20-13:10 M, Bruininks Hall 117, In Person; Daniel Bond ; 1 cr.
50149 002 LEC, 13:25-14:15 M, Bruininks Hall 117, In Person; Daniel Bond ; 1 cr.

4003 Genetics

(Student Option; Prereq: Biol 2003/2003H or BioC 3021 or BioC 4331 or grad)
50015 001 LEC, 14:30-15:45 MW, Bruininks Hall 312, In Person; Jeffrey Simon ; 3 cr.
50087 090 LEC, Completely Online; Robert Brooker ; 3 cr.
66153 004 LEC, 13:30-14:45 TTh, Borlaug Hall 335, In Person; William Gray ; 3 cr.

4004 Cell Biology

(Student Option; Prereq: Completion of Biol 4003 is preferred, Biol2003/2003H or Biol4003 or grad)
49889 002 LEC, 11:15-12:30 TTh, Molecular Cellular Biol 3-120, In Person; Duncan Clarke ; 3 cr.
49912 003 LEC, 09:05-09:55 MWF, Bruininks Hall 131B, In Person; Deanna Koepf, Matthew Gill ; 3 cr.
50016 001 LEC, Completely Online; Clay Carter ; 3 cr.
50088 090 LEC, Completely Online; Jan Norrander ; 3 cr.

4321W Deconstructing Research: Writing about Biological Research for Non-scientists

(Student Option; WI)
50072 001 DIS, 12:20-14:00 W, Bruininks Hall 512A, In Person; Maxwell Kramer ; 2 cr.

4793W Directed Studies: Writing Intensive

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements. WI)
49969 001 IND, Independent/Directed Study; Tamar Resnick ; 1-7 cr.

4794W Directed Research: Writing Intensive

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements. WI)
49970 001 IND, Independent/Directed Study; Tamar Resnick ; 1-7 cr.
50216 002 IND, Independent/Directed Study; Tamar Resnick ; 1-7 cr.

4961H Thesis Writing in the Biological Sciences: Conveying and Contextualizing Results

(A-F only;)
50009 001 LEC, 11:15-12:05 W, Bruininks Hall 131B, In Person; Clarence Lehman, Christopher Staley ; 1 cr.
68232 002 LEC, 12:20-13:10 W, Bruininks Hall 432, In Person; Clarence Lehman, Christopher Staley ; 1 cr.

4993 Directed Studies

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements.)
49959 001 IND, Independent/Directed Study; Tamar Resnick ; 1-7 cr.

4994 Directed Research

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements.)
49960 001 IND, Independent/Directed Study; Tamar Resnick ; 1-7 cr.

5701 Science Communication: A Primer for Scientists

(Student Option;)
50229 001 LEC, Completely Online; Mohamed Yakub ; 2 cr.

Biology, Society, and Environ (BSE)

2001 An Introduction to Biology, Society, and Environment

(A-F only;)
53598 001 LEC, 14:30-16:10 W, Blegen Hall 317, In Person; Katherine Klink ; 2 cr.

3991 Biology, Society and Environment Capstone

(S-N only;)
55471 001 IND, Completely Online; Katherine Klink ; 1 cr.

3991H BSE Capstone Honors

(A-F only;)
55472 001 IND, Completely Online; Katherine Klink ; 1 cr.

3994 Directed Research in Biology, Society, and Environment

(Student Option;)
55823 001 IND, In Person; Ivan Bialostosky ; 1-8 cr.

Biomedical Engineering (BMEN)

1602 Biomedical Engineering Undergraduate Seminar II

(A-F only; Prereq: CSE student or instructor approval.)
58312 001 LEC, 14:30-15:20 W, Bruininks Hall 330, In Person; Robert Tranquillo ; 1 cr.

2101 Biomedical Thermodynamics and Kinetics

(A-F only; Prerequisites BMEN 2501, CHEM 1022, MATH 2373, concurrent registration is required (or allowed) in MATH 2374)

59177 001 LEC, 13:00-14:15 TTh, Vincent Hall 16, In Person; Jonathan Sachs, Brittany Hartwell ; 3 cr.
59212 002 DIS, 12:20-13:10 M, Amundson Hall 156, In Person; Jonathan Sachs, Brittany Hartwell ; 3 cr.
59213 003 DIS, 12:20-13:10 W, Bruininks Hall 117, In Person; Jonathan Sachs, Brittany Hartwell ; 3 cr.
59214 004 DIS, 12:20-13:10 F, Bruininks Hal 121, In Person; Jonathan Sachs, Brittany Hartwell ; 3 cr.
59215 005 DIS, 08:00-08:50 T, Bruininks Hal 121, In Person; Jonathan Sachs, Brittany Hartwell ; 3 cr.
59216 006 DIS, 08:00-08:50 Th, Bruininks Hal 121, In Person; Jonathan Sachs, Brittany Hartwell ; 3 cr.

3111 Biomedical Transport Processes

(A-F or Audit; Prereq: [3011, 3015], [BMEN upper div or dept consent])
59407 001 LEC, 10:10-11:00 MWF, Bruininks Hall 412, In Person; David Wood ; 3 cr.
59408 002 DIS, 09:05-09:55 T, Amundson Hall 116, In Person; David Wood ; 3 cr.
59409 003 DIS, 09:05-09:55 Th, Amundson Hall 116, In Person; David Wood ; 3 cr.
59410 004 DIS, 08:00-08:50 W, Amundson Hall 120, In Person; David Wood ; 3 cr.

3115 Biomedical Transport Processes Lab

(A-F or Audit; Prereq: [3011, concurrent registration is required (or allowed) in 3111], [BMEN upper div or dept consent])
59427 001 LAB, 10:10-12:05 T, Phillips-Wangenstn Bldg 4-150, In Person; David Wood ; 1 cr.
59428 002 LAB, 12:20-14:15 T, Phillips-Wangenstn Bldg 4-150, In Person; David Wood ; 1 cr.
59429 003 LAB, 10:10-12:05 Th, Phillips-Wangenstn Bldg 4-150, In Person; David Wood ; 1 cr.
59430 004 LAB, 12:20-14:15 Th, Phillips-Wangenstn Bldg 4-150, In Person; David Wood ; 1 cr.

3311 Biomaterials

(A-F or Audit; Prereq: 2101, [BMEN Upper Div or dept consent])
59411 001 LEC, 11:15-12:05 MWF, Jackson Hall 2-137, In Person; Chun Wang ; 3 cr.
59412 002 DIS, 11:15-12:05 T, Amundson Hall 116, In Person; Chun Wang ; 3 cr.
59413 003 DIS, 11:15-12:05 Th, Amundson Hall 116, In Person; Chun Wang ; 3 cr.
59414 004 DIS, 08:00-08:50 W, Amundson Hall 116, In Person; Chun Wang ; 3 cr.

3315 Biomaterials Lab

(A-F or Audit; Prereq: [2101, concurrent registration is required (or allowed) in 3311], [BMEN Upper Div or dept consent])
59415 001 LAB, 12:20-14:15 T, Phillips-Wangenstn Bldg 4-154, In Person; Chun Wang ; 1 cr.
59416 002 LAB, 14:30-16:25 T, Phillips-Wangenstn Bldg 4-154, In Person; Chun Wang ; 1 cr.
59417 003 LAB, 12:20-14:15 Th, Phillips-Wangenstn Bldg 4-154, In Person; Chun Wang ; 1 cr.
59418 004 LAB, 14:30-16:25 Th, Phillips-Wangenstn Bldg 4-154, In Person; Chun Wang ; 1 cr.

3411 Biomedical Systems Analysis

(A-F or Audit; Prereq: 3211, [BME Upper Div or dept consent])
59419 001 LEC, 09:05-09:55 MWF, Jackson Hall 2-137, 09:05-09:55 M, Moos Health Sci Tower 2-690, In Person; Matthew Johnson ; 3 cr.
59420 002 DIS, 15:35-16:25 T, Amundson Hall 116, In Person; Matthew Johnson ; 3 cr.
59421 003 DIS, 15:35-16:25 Th, Amundson Hall 116, In Person; Matthew Johnson ; 3 cr.
59422 004 DIS, 08:00-08:50 Th, Amundson Hall 116, In Person; Matthew Johnson ; 3 cr.

3415 Biomedical Systems Analysis Lab

(A-F or Audit; Prereq: [3211, concurrent registration is required (or allowed) in 3411], [BME Upper Div or dept consent])
59423 001 LAB, 08:00-09:55 T, Phillips-Wangenstn Bldg 4-152, In Person; Matthew Johnson ; 1 cr.
59424 002 LAB, 10:10-12:05 T, Phillips-Wangenstn Bldg 4-152, In Person; Matthew Johnson ; 1 cr.
59425 003 LAB, 08:00-09:55 Th, Phillips-Wangenstn Bldg 4-152, In Person; Matthew Johnson ; 1 cr.
59426 004 LAB, 10:10-12:05 Th, Phillips-Wangenstn Bldg 4-152, In Person; Matthew Johnson ; 1 cr.

4002W Biomedical Engineering Design II

(A-F or Audit; Prereq: 4001WWW)
58330 002 DIS, In Person; Cyrus Rezvanifar ; 3 cr.
58888 001 LEC, 15:35-16:25 W, Molecular Cellular Biol 3-120, In Person; Cyrus Rezvanifar ; 3 cr.

4793 Directed Study

(A-F or Audit; Prereq: instr consent, dept consent)
58314 001 IND, In Person; Patrick Alford ; 1-4 cr.

4794 Directed Research

(A-F or Audit; Prereq: instr consent, dept consent)
58313 001 IND, 00:00-00:00 , In Person; Patrick Alford ; 1-4 cr.

5041 Tissue Engineering

(Student Option; Prereq: CSE upper div or grad student or med student or instr consent)
59692 001 LEC, 13:00-14:15 TTh, Mechanical Engineering 212, In Person; Wei Shen ; 3 cr.
59764 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Wei Shen ; 3 cr.

5101 Advanced Bioelectricity and Instrumentation

(Student Option; Prereq: [CSE upper div, grad student] or instructor consent)
58437 001 LEC, 09:45-11:00 TTh, Keller Hall 3-115, In Person; Alena Talkachova ; 3 cr.
59575 883 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Alena Talkachova ; 3 cr.

5151 Introduction to BioMEMS and Medical Microdevices

(A-F or Audit; Prereq: CSE sr or grad student or medical student)
59206 001 LEC, 15:35-17:30 Th, Molecular Cellular Biol 2-120, In Person; Steven Saliterman ; 2 cr.

5311 Advanced Biomedical Transport Processes

(Student Option;)
58143 001 LEC, 09:05-09:55 MWF, Mechanical Engineering 102, In Person; Meets With: 001 CHEN 5753; Robert Tranquillo ; 3 cr.
59598 883 LEC, 09:05-09:55 MWF, Twin Cities Remote, Completely Online; Robert Tranquillo ; 3 cr.

5361 3D Bioprinting

(A-F only;)
60287 001 LEC, 16:50-18:30 M, Moos Health Sci Tower 2-520, In Person; Angela Panoskaltis-Mortari ; 2 cr.

5413 Neural Decoding and Interfacing

(A-F or Audit; Prereq: CSE upper division student, CSE graduate student, or instructor approval. recommended: BMEN 3411)
59738 001 LEC, 09:45-11:00 MW, Bruininks Hal 121, In Person; Alexander Opitz ; 3 cr.

5421 Introduction to Biomedical Optics

(A-F or Audit; Prereq: CSE sr or grad student)
59737 001 LEC, 11:15-12:30 TTh, Bruininks Hal 121, In Person; Taner Akkin ; 3 cr.

5601 Cardiovascular Devices

(A-F or Audit; Prereq: BMEN 3011, 3111, 3211, or equivalents with instr consent)
59702 001 LEC, 14:30-15:20 Th, Keller Hall 3-115, In Person; Jason Bjork ; 1 cr.
60212 883 LEC, 14:30-15:20 Th, Twin Cities Remote, Completely Online; Jason Bjork ; 1 cr.

Bioproducts and Biosystems Eng (BBE)**1002 Biorenewable Resources**

(Student Option; TS)
56149 001 LEC, Completely Online; William Tai Yin Tze, Lucas Stolp ; 3 cr.

2201 Renewable Energy and the Environment

(Student Option; TS)
56249 001 LEC, 00:00-00:00 , ONLINE, Completely Online; David Schmidt ; 3 cr.

3033 Material and Energy Balances in Biological Systems

(A-F or Audit; Prereq: [CHEM 1062 or equiv], [CHEM 1066, or equiv], [MATH 1372 or equiv], [PHYS 1302W or equiv])
59203 001 LEC, 09:30-10:45 MW, Biosystems & Ag Eng Bldg 106, In Person; Hua Zhao ; 3 cr.

3043 Biological and Environmental Thermodynamics

(A-F or Audit; Prereq: BIOL 1009, [CHEM 1061 or equiv], [CHEM 1065, or equiv], [MATH 1372 or equiv], [PHYS 1302 or equiv])
59270 001 LEC, 08:30-09:20 MWF, Ruttan Hall B35, In Person; Bruce Wilson ; 3 cr.

3093 Directed Studies

(Student Option; Prereq: instr consent)
58078 001 IND, 00:00-00:00 , , In Person; 1-5 cr.

3201 Sustainability of Food Systems: A Life Cycle Perspective

(A-F only; GP)
56286 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Natalie Hunt ; 3 cr.

3394 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)
55918 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

3396 Industry Assignment

(A-F or Audit;)
55917 001 FWK, 00:00-00:00 , , In Person; 1 cr.

4013 Transport in Biological Processes II

(A-F or Audit; Prereq: 3012, 3043, [upper div CSE or instr consent])
58876 001 LEC, 12:50-13:40 MWF, Kaufert Laboratory 302, In Person; John Nieber ; 3 cr.
59318 002 DIS, 13:55-14:45 M, Kaufert Laboratory 302, In Person; John Nieber ; 3 cr.

4302 Biodegradation of Bioproducts

(Student Option; Prereq: 1002 or instr consent)
56150 001 LEC, 11:45-13:00 T, Kaufert Laboratory 302, In Person; Meets With: 001 BBE 5302; Jiwei Zhang ; 3 cr.
56151 002 LAB, 11:45-13:00 Th, Kaufert Laboratory 302, In Person; Meets With: 002 BBE 5302; Jiwei Zhang ; 3 cr.

4303 Introduction to Bio-based Materials Science

(A-F or Audit; Prereq: 2001 or instr consent)
59204 001 LEC, 10:15-11:30 TTh, Kaufert Laboratory 302, In Person; Meets With: 001 BBE 5303; Steve Severson ; 3 cr.

4305 Pulp and Paper Technology

(Student Option; Prereq: Junior or senior or instr consent)
56269 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Meets With: 001 BBE 5305; Shri Ramaswamy ; 3 cr.

4403 Bio-based Products Engineering Lab I

(A-F or Audit; Prereq: BBE 4001)
59828 001 LAB, 08:30-11:00 W, Kaufert Laboratory 60, In Person; Meets With: 001 BBE 5403; Ulrike Tschirmer ; 2 cr.
59861 002 LAB, 08:30-11:00 F, Kaufert Laboratory 60, In Person; Meets With: 002 BBE 5403; Ulrike Tschirmer ; 2 cr.

4502W BBE Capstone Design

(A-F or Audit; Prereq: BBE 3002 and BBE 3012 and BBE 4013 and or concurrent with BBE 4013 and CSE Upper Division.WI)
58796 001 LEC, 15:00-17:00 MW, Biosystems & Ag Eng Bldg 106, In Person; David Schmidt, Kevin Janni ; 4 cr.

4523 Ecological Engineering Design

(A-F or Audit; Prereq: BBE 3012 and CSE upper division or instr consent)
58943 001 LEC, 11:45-12:35 MWF, Biosystems & Ag Eng Bldg 106, In Person; Meets With: 001 BBE 5523; Chris Lenhart, John Nieber ; 3 cr.

4533 Sustainable Waste Management Engineering

(A-F or Audit; Prereq: 3023, upper div CSE)
58877 001 LEC, 11:30-13:00 TTh, Biosystems & Ag Eng Bldg 106, In Person; Sara Heger ; 3 cr.
58878 002 LAB, 13:10-14:50 Th, Biosystems & Ag Eng Bldg 106, In Person; Sara Heger ; 3 cr.

4713 Biological Process Engineering

(A-F or Audit; Prereq: [3033, [4013 or concurrent registration is required (or allowed) in 4013], upper div CSE] or instr consent)
58879 001 LEC, 11:45-12:35 MWF, Kaufert Laboratory 302, In Person; Meets With: 001 BBE 5713; Abdennour ABBAS ; 3 cr.

4723 Food Process Engineering

(A-F or Audit; Prereq: [[4013 or concurrent registration is required (or allowed) in 4013], upper div CSE] or instr consent)
59264 001 LEC, 16:30-17:45 TTh, Biosystems & Ag Eng Bldg 308, In Person; Meets With: 001 BBE 5723; R. Ruan, Min Addy ; 3 cr.

4733 Renewable Energy Technologies

(A-F or Audit; Prereq: Junior or seniorTS)
58953 001 LEC, 15:00-16:15 TTh, Ruttan Hall B25, In Person; Meets With: 001 BBE 5733; R. Ruan, Min Addy ; 3 cr.

4753 Air Quality and Pollution Control Engineering

(A-F or Audit; Prereqs: BBE 3012, 3043, upper division CSE, graduate student or instructor consent. Credit will not be granted if credit has been received for CEGE 5561)
59762 001 LEC, 10:15-11:30 MW, Ruttan Hall 143, In Person; Meets With: 001 BBE 5753; Kevin Janni ; 3 cr.

4900 Intern Reports

(A-F or Audit; Prereq: [CSE or CFANS] student in BBE, instr consent)
57934 001 FWK, 00:00-00:00 , , In Person; 2 cr.

5093 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)
56321 001 IND, In Person; 1-4 cr.

5094 Directed Research

(Student Option; Prereq: instr consent)
58079 001 IND, 00:00-00:00 , , In Person; 1-5 cr.

5302 Biodegradation of Bioproducts

(Student Option; Prereq: Grad student or instr consent)
56153 001 LEC, 11:45-13:00 T, Kaufert Laboratory 302, In Person; Meets With: 001 BBE 4302; Jiwei Zhang ; 3 cr.
56154 002 LAB, 11:45-13:00 Th, Kaufert Laboratory 302, In Person; Meets With: 002 BBE 4302; Jiwei Zhang ; 3 cr.

5303 Introduction to Bio-based Materials Science

(Student Option; Prereq: Grad student or instr consent)
59205 001 LEC, 10:15-11:30 TTh, Kaufert Laboratory 302, In Person; Meets With: 001 BBE 4303; Steve Severson ; 3 cr.

5305 Pulp and Paper Technology

(Student Option;)
56270 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Meets With: 001 BBE 4305; Shri Ramaswamy ; 3 cr.

5403 Bio-based Products Engineering Lab I

(A-F or Audit; Prereq: Grad student or instr consent)
59829 001 LAB, 08:30-11:00 W, Kaufert Laboratory 60, In Person; Meets With: 001 BBE 4403; Ulrike Tschirmer ; 2 cr.
59862 002 LAB, 08:30-11:00 F, Kaufert Laboratory 60, In Person; Meets With: 002 BBE 4403; Ulrike Tschirmer ; 2 cr.

5523 Ecological Engineering Design

(A-F only; Prereq: Graduate student or instr consent)
59245 001 LEC, 11:45-12:35 MWF, Biosystems & Ag Eng Bldg 106, In Person; Meets With: 001 BBE 4523; Chris Lenhart, John Nieber ; 3 cr.

5713 Biological Process Engineering

(A-F only; Prereq: [3033, [4013 or concurrent registration is required (or allowed) in 4013], or instr consent)
59277 001 LEC, 11:45-12:35 MWF, Kaufert Laboratory 302, In Person; Meets With: 001 BBE 4713; Abdennour ABBAS ; 3 cr.

5723 Food Process Engineering

(A-F or Audit; Prereq: [[4013 or concurrent registration is required (or allowed) in 4013], or instr consent)
59276 001 LEC, 16:30-17:45 TTh, Biosystems & Ag Eng Bldg 308, In Person; Meets With: 001 BBE 4723; R. Ruan, Min Addy ; 3 cr.

5733 Renewable Energy Technologies

(A-F or Audit; Prereq: Grad student or instr consent)
59275 001 LEC, 15:00-16:15 TTh, Ruttan Hall B25, In Person; Meets With: 001 BBE 4733; R. Ruan, Min Addy ; 3 cr.

5753 Air Quality and Pollution Control Engineering

(A-F or Audit; Prerequisites Graduate student or instructor consent Credit will not be granted if credit has been received for CEGE 5561)
59763 001 LEC, 10:15-11:30 MW, Ruttan Hall 143, In Person; Meets With: 001 BBE 4753; Kevin Janni ; 3 cr.

Business Administration (BA)**1011 Leading Self & Teams**

(A-F only; Prereq: Carlson School of Management student)
57025 001 LEC, 10:10-11:50 M, Carlson School of Mgmt L-122, In Person; Yelena Hydrie ; 2 cr.
57026 002 LEC, 12:20-14:00 T, Carlson School of Mgmt L-122, In Person; Yelena Hydrie ; 2 cr.
57129 003 LEC, 14:30-16:10 T, Carlson School of Mgmt L-122, In Person; Yelena Hydrie ; 2 cr.
66030 004 LEC, 08:00-09:40 W, Carlson School of Mgmt L-122, In Person; Brian Dorr ; 2 cr.

1021 Design Your Life

(S-N only; Prerequisite: Carlson School student)
66031 001 LEC, 10:10-11:25 W, Carlson School of Mgmt L-122, In Person; Zain Olson ; 1 cr.
66032 002 LEC, 12:20-13:35 Th, Carlson School of Mgmt L-122, In Person; Zain Olson ; 1 cr.

66033 003 LEC, 14:30-15:45 Th, Carlson School of Mgmt L-122, In Person; Caroline Quinn ; 1 cr.
66034 004 LEC, 08:00-09:15 M, Carlson School of Mgmt L-122, In Person; Caroline Quinn ; 1 cr.

2005 Business Ethics, Corporate Responsibility & Sustainability

(A-F only; CIV)
57143 001 LEC, 09:45-11:00 MW, Hanson Hall 1-107, In Person; Janelle Jordan ; 3 cr.
57144 002 LEC, 11:15-12:30 MW, Hanson Hall 1-107, In Person; Russell Funk ; 3 cr.
57145 003 LEC, 13:00-14:15 MW, Hanson Hall 1-105, In Person; Russell Funk ; 3 cr.
57146 004 LEC, 14:30-15:45 MW, Hanson Hall 1-105, In Person; Jaime Roquebert ; 3 cr.
57147 005 LEC, 16:00-17:15 MW, Hanson Hall 1-105, In Person; Jaime Roquebert ; 3 cr.
57148 006 LEC, 08:15-09:30 TTh, Hanson Hall 1-105, In Person; Jaime Roquebert ; 3 cr.
57149 007 LEC, 11:15-12:30 TTh, Hanson Hall 1-103, In Person; Rand Park ; 3 cr.
57258 008 LEC, 13:00-14:15 TTh, Hanson Hall 1-105, In Person; Rand Park ; 3 cr.
57430 009 LEC, 14:30-15:45 TTh, Hanson Hall 1-105, In Person; Rand Park ; 3 cr.

2005H Business Ethics, Corporate Responsibility and Sustainability

(A-F only; Prereq: Honors student/CIV)
57173 001 LEC, 09:45-11:00 MW, Carlson School of Mgmt L-114, In Person; Rand Park ; 3 cr.

2021 Design Your Career

(S-N only; Prereq: Carlson School undergraduate student)
56965 001 LEC, 11:50-13:05 M, Carlson School of Mgmt L-126, In Person; Rebecca Dordel ; 1 cr.
56966 002 LEC, 13:45-15:00 M, Carlson School of Mgmt L-132, In Person; Mai Xiong ; 1 cr.
57181 003 LEC, 16:00-17:15 M, Carlson School of Mgmt L-122, In Person; Mai Xiong ; 1 cr.
57182 004 LEC, 08:15-09:30 T, Carlson School of Mgmt 2-233, In Person; Katie Hauge ; 1 cr.
57183 005 LEC, 09:55-11:10 T, Carlson School of Mgmt L-114, In Person; Katie Hauge ; 1 cr.
57184 006 LEC, 11:50-13:05 T, Carlson School of Mgmt 2-233, In Person; Jennifer Fuhrman ; 1 cr.
57185 007 LEC, 16:00-17:15 T, Carlson School of Mgmt L-114, In Person; Jennifer Fuhrman ; 1 cr.
57293 008 LEC, 11:50-13:05 W, Carlson School of Mgmt L-126, In Person; Shontel Smith ; 1 cr.
57393 009 LEC, 13:45-15:00 W, Carlson School of Mgmt 1-132, In Person; Shontel Smith ; 1 cr.
57402 010 LEC, 16:00-17:15 W, Carlson School of Mgmt L-122, In Person; Britney Hayes ; 1 cr.
57403 011 LEC, 09:55-11:10 Th, Carlson School of Mgmt L-114, In Person; Annie Montemayor ; 1 cr.
57404 012 LEC, 11:50-13:05 Th, Carlson School of Mgmt 2-233, In Person; Annie Montemayor ; 1 cr.

2051 Modeling Business Scenarios in Excel

(A-F only;)
57278 001 LEC, 08:00-08:50 MW, Hanson Hall 1-103, In Person; Eric White, Jeff Bailey ; 2 cr.
57279 002 LEC, 10:10-11:00 MW, Hanson Hall 1-103, In Person; Nick Seeman ; 2 cr.
57280 003 LEC, 13:25-14:15 MW, Hanson Hall 1-103, In Person; Nick Seeman ; 2 cr.
57281 004 LEC, 14:30-15:20 MW, Hanson Hall 1-103, In Person; Nick Seeman ; 2 cr.
57282 005 LEC, 15:35-16:25 MW, Hanson Hall 1-103, In Person; Lisa Kline ; 2 cr.
65975 006 LEC, 08:00-08:50 TTh, Hanson Hall 1-103, In Person; Eric White ; 2 cr.
65976 007 LEC, 09:05-09:55 TTh, Hanson Hall 1-103, In Person; Eric White ; 2 cr.
65977 008 LEC, 10:10-11:00 TTh, Hanson Hall 1-103, In Person; Lisa Kline ; 2 cr.
65978 009 LEC, 13:25-14:15 TTh, Hanson Hall 1-103, In Person; Nick Seeman ; 2 cr.
65979 010 LEC, 14:30-15:20 TTh, Hanson Hall 1-103, In Person; Lisa Kline ; 2 cr.
68662 011 LEC, 15:35-16:25 TTh, Hanson Hall 1-103, In Person; Lisa Kline ; 2 cr.

2062 Powerful Problem Solving

(A-F only;)
66036 001 LEC, 08:00-09:40 M, Carlson School of Mgmt 1-143, In Person; Xavier Morales ; 2 cr.
66037 002 LEC, 10:10-11:50 M, Carlson School of Mgmt 2-233, In Person; Silas Morgan ; 2 cr.
66038 003 LEC, 14:30-16:10 M, Carlson School of Mgmt 1-149, In Person; Edward Blevins ; 2 cr.

66039 004 LEC, 12:20-14:00 T, Carlson School of Mgmt 1-149, In Person; Morgan Kerfeld ; 2 cr.
66040 005 LEC, 14:30-16:10 T, Carlson School of Mgmt L-126, In Person; Ameer Mcdonald ; 2 cr.
66041 006 LEC, 08:00-09:40 W, Carlson School of Mgmt 1-143, In Person; Megan Voorhees ; 2 cr.
66042 007 LEC, 10:10-11:50 W, Carlson School of Mgmt 2-233, In Person; Megan Voorhees ; 2 cr.
66043 008 LEC, 14:30-16:10 W, Carlson School of Mgmt 1-149, In Person; Luis Moreno ; 2 cr.
66044 009 LEC, 12:20-14:00 Th, Carlson School of Mgmt 1-149, In Person; Jordan Garcia ; 2 cr.
67453 010 LEC, 10:10-11:50 W, Hanson Hall 1-105, In Person; Ameer Mcdonald ; 2 cr.

2551 Business Statistics in R

(A-F or Audit; Prereq: [Math 1031 or equiv]MATH)
66045 001 LEC, 08:00-09:40 MW, Carlson School of Mgmt L-110, In Person; Bhupinder Juneja ; 4 cr.
66046 002 LEC, 10:10-11:50 MW, Carlson School of Mgmt L-110, In Person; Bhupinder Juneja ; 4 cr.
66047 003 LEC, 12:20-14:00 MW, Carlson School of Mgmt L-110, In Person; Steven Huchendorf ; 4 cr.
66048 004 LEC, 10:10-11:50 TTh, Carlson School of Mgmt L-110, In Person; Dayton Steele ; 4 cr.
66049 005 LEC, 16:40-18:20 MW, Carlson School of Mgmt L-110, In Person; Oliver Papp ; 4 cr.
66050 006 LEC, 08:00-09:40 TTh, Carlson School of Mgmt L-110, In Person; Dayton Steele ; 4 cr.

3001 Race, Power, and Justice in Business

(A-F only; Prereq: BA 1011 recommended DSJ)
57512 001 LEC, 13:00-14:15 MW, Carlson School of Mgmt 2-233, In Person; John Budd, Todd Williams ; 3 cr.

3033W Business Communication

(A-F or Audit; Prereq: First Year Writing, Carlson School junior or senior.WI)
57027 002 LEC, 09:45-11:00 MW, Carlson School of Mgmt 2-228, In Person; Adam Schrag ; 3 cr.
57028 003 LEC, 11:15-12:30 MW, Carlson School of Mgmt 1-136, In Person; Nat Bennett ; 3 cr.
57029 004 LEC, 13:00-14:15 MW, Carlson School of Mgmt 2-228, In Person; Mary Rosa ; 3 cr.
57030 005 LEC, 13:00-14:15 MW, Carlson School of Mgmt 1-136, In Person; Nat Bennett ; 3 cr.
57031 006 LEC, 14:30-15:45 MW, Carlson School of Mgmt 1-136, In Person; Mary Rosa ; 3 cr.
57032 007 LEC, 16:00-17:15 MW, Carlson School of Mgmt 1-136, In Person; Mary Rosa ; 3 cr.
57033 008 LEC, 09:45-11:00 TTh, Carlson School of Mgmt 2-228, In Person; Nat Bennett ; 3 cr.
57034 013 LEC, 16:00-17:15 TTh, Carlson School of Mgmt 1-136, In Person; Mary Rosa ; 3 cr.
57069 009 LEC, 11:15-12:30 TTh, Carlson School of Mgmt 1-136, In Person; Adam Schrag ; 3 cr.
57099 010 LEC, 13:00-14:15 TTh, Carlson School of Mgmt 1-136, In Person; Adam Schrag ; 3 cr.
57165 001 LEC, 08:15-09:30 MW, Carlson School of Mgmt 2-228, In Person; Adam Schrag ; 3 cr.
57171 011 LEC, 14:30-15:45 TTh, Carlson School of Mgmt 1-136, In Person; Mary Rosa ; 3 cr.
57432 012 LEC, 09:45-11:00 MW, Carlson School of Mgmt 1-136, In Person; Nat Bennett ; 3 cr.

3051 Data-Driven Business Decisions

(A-F only; Prereqs: Modeling Business Scenarios in Excel and Business Statistics in R)
66051 001 LEC, 09:45-11:00 MW, Carlson School of Mgmt 2-224, In Person; Xuefeng Liu ; 3 cr.
66052 002 LEC, 13:00-14:15 TTh, Carlson School of Mgmt 1-132, In Person; Xuefeng Liu ; 3 cr.

3993 Directed Study

(Student Option; Prereq: Instructor consent)
56946 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

3996 Internship Seminar

(S-N only; Prereq: Approved internship, instructor consent)
56955 001 IND, In Person; Mai Xiong ; 1 cr.
57405 002 IND, In Person; Mai Xiong ; 1 cr.

4501 Carlson Growth Equity Fund

(A-F only; Prereq: approved application)
57290 001 FWK, 08:00-09:40 TTh, Carlson School of Mgmt 1-127, In Person; Meets With: 001 MBA 6501; Susanna Gibbons ; 2-4 cr.

4502 Carlson Fixed Income Fund

(A-F only; Prereq: approved application)
57291 001 FWK, 08:00-09:40 TTh, Carlson School of Mgmt 1-132, In Person; Meets With: 001 MBA 6502; Susanna Gibbons ; 2-4 cr.

4503 Carlson Ventures Enterprise

(Student Option No Audit; Prereq: approved application)
57213 001 FWK, 08:00-09:40 TTh, Carlson School of Mgmt 1-135, In Person; Meets With: 001 MBA 6503; Tobin Nord ; 2-4 cr.

4504 Carlson Consulting Enterprise

(A-F only; Prereq: approved application)
57055 001 FWK, 08:00-09:40 TTh, Carlson School of Mgmt 2-215, In Person; Meets With: 001 MBA 6504; Siddharth Chandramouli ; 1-4 cr.

4505 Brand Enterprise

(Student Option No Audit; Prereq: approved application)
57021 001 FWK, 08:00-09:40 TTh, Carlson School of Mgmt 1-142, In Person; Meets With: 001 MBA 6505; David Hopkins ; 2-4 cr.

Business Law (BLAW)

3059 Real Estate Law

(A-F only;)
65969 070 LEC, Completely Online; Jack Kramer ; 2 cr.

3061 Business Law Basics

(A-F only; Prerequisite for this course. The goal is to provide basic concepts that can be used throughout your career to spot legal issues, identify potential concerns, and with the aid of counsel, solve or avoid problems. General topics include: various legal entities in which business can be conducted, tort law (with emphasis on negligence), real estate law, the law of agency, intellectual property (patents, copyrights, trade secrets and trademarks), warranty law, product liability, employment law, certain discrimination laws (including Minnesota's fairly recent protections for women in the workplace), alternative dispute resolution and administrative law. Throughout the course, we will examine the impact of the Supreme Court on American business. NOTE: Students who previously took BLAW 3058 (4 credit course) should NOT take this course.)

57398 001 LEC, 10:10-11:50 MW, Hanson Hall 1-109, In Person; Jack Kramer ; 2 cr.
57517 002 LEC, 13:45-15:25 MW, Hanson Hall 1-109, In Person; Jack Kramer ; 2 cr.

3062 Contract Law and Corporate

Regulation

(A-F only; Prerequisite for this course. General topics include: (1) the law of contracts and transactions involving the sale of goods, (2) secured transactions (how creditors can use a debtor's assets as collateral to secure indebtedness), and (3) the basics of bankruptcy law. Public company subjects include: pros and cons of going public, the IPO process, federal securities laws and SEC regulations regarding public company reporting requirements, insider trading, the Sarbanes-Oxley Act of 2002 and its impact on corporate governance, trends in shareholder democracy rights and shareholder activism, and the role of boards and audit committees. Throughout the course, we will examine the impact of the Supreme Court on American business. NOTE: Students who previously took BLAW 3058 (4 credit course) should NOT take this course.)

57399 001 LEC, 08:00-09:40 MW, Hanson Hall 1-109, In Person; Jack Kramer ; 2 cr.
57400 002 LEC, 10:10-11:50 MW, Hanson Hall 1-109, In Person; Jack Kramer ; 2 cr.
57401 003 LEC, 08:00-09:40 MW, Hanson Hall 1-109, In Person; Jack Kramer ; 2 cr.

CAPA Barcelona Study Abroad Program (BCLA)

Carlson Executive MBA (CMBA)

Cellular/Organismal Physiology (COP)

4793W Writing Intensive Directed Studies

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements. WI)

50225 001 IND, Independent/Directed Study; Sarah Malmquist ; 1-7 cr.

4794W Writing Intensive Directed Research (S-N only; WI)

50217 001 IND, Independent/Directed Study; Sarah Malmquist ; 1-7 cr.
50218 002 IND, Independent/Directed Study; Sarah Malmquist ; 1-7 cr.

4993 Directed Studies

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements.)
50226 001 IND, In Person; Sarah Malmquist ; 1-7 cr.

4994 Directed Research

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements.)
50227 001 IND, In Person; Sarah Malmquist ; 1-7 cr.

Chemical Engineering (CHEN)

2594 Directed Research Lower Division

(Student Option No Audit; Prereq: instr consent, DUGS consent)
60163 001 IND, In Person; Kevin Dorfman ; 1-4 cr.

3006 Mass Transport and Separation Processes

(A-F only; Prereq: [2001 or 4001], [3005 or 4005], [3101 or 4101], [upper div ChEn major or dept consent], C- or better in all pre-reqs)
58799 001 LEC, 11:15-12:05 MWF, Amundson Hall B75, In Person; Joseph Zasadzinski ; 4 cr.
58800 002 DIS, 09:05-09:55 TTh, Keller Hall 2-260, In Person; Joseph Zasadzinski ; 4 cr.
58801 003 DIS, 12:20-13:10 TTh, Amundson Hall 120, In Person; Joseph Zasadzinski ; 4 cr.
58802 004 DIS, 14:30-15:20 TTh, Akerman Hall 317, In Person; Joseph Zasadzinski ; 4 cr.
59321 005 DIS, 15:35-16:25 TTh, Amundson Hall 124, In Person; Joseph Zasadzinski ; 4 cr.

3101 Chemical Engineering Thermodynamics

(A-F only; Prereq: ChEn 2001, Chem 1062/1066 Math 2374 or equivalent, & Math 2373 or equivalent)
60237 001 LEC, 13:25-14:15 MWF, Amundson Hall B75, In Person; Paul Dauenhauer ; 4 cr.
60238 002 DIS, 09:05-09:55 TTh, Akerman Hall 317, In Person; Paul Dauenhauer ; 4 cr.
60239 003 DIS, 10:10-11:00 TTh, Amundson Hall 124, In Person; Paul Dauenhauer ; 4 cr.
60240 004 DIS, 11:15-12:05 TTh, Amundson Hall 120, In Person; Paul Dauenhauer ; 4 cr.
60241 005 DIS, 14:30-15:20 TTh, Akerman Hall 313, In Person; Paul Dauenhauer ; 4 cr.

3401W Junior Chemical Engineering Lab (A-F only; Prereq: ChEn 3005; upper div ChEn majorWI)

59253 001 LEC, 09:05-09:55 MWF, Amundson Hall B75, In Person; Aditya Bhan ; 2 cr.
59254 002 LAB, 13:25-17:25 MF, Lab TBA, In Person; Aditya Bhan ; 2 cr.
59255 004 LAB, 13:25-17:25 TTh, Lab TBA, In Person; Aditya Bhan ; 2 cr.
59256 005 LAB, 13:25-17:25 WM, Lab TBA, In Person; Aditya Bhan ; 2 cr.
59257 006 LAB, 08:00-12:00 ThT, Lab TBA, In Person; Aditya Bhan ; 2 cr.
59258 007 LAB, 13:25-17:25 ThT, Lab TBA, In Person; Aditya Bhan ; 2 cr.
59259 003 LAB, 08:00-12:00 TTh, Lab TBA, In Person; Aditya Bhan ; 2 cr.

3701 Introduction to Biomolecular Engineering

(A-F or Audit; Prereq: Chem 2301, ChEn 3201, Math 2373 (or equivalent))
60243 001 LEC, 10:10-11:00 MWF, Amundson Hall B75, In Person; Ben Hackel ; 3 cr.
60244 002 DIS, 09:05-09:55 T, Amundson Hall 124, In Person; Ben Hackel ; 3 cr.
60245 003 DIS, 10:10-11:00 T, Amundson Hall 120, In Person; Ben Hackel ; 3 cr.
60246 004 DIS, 12:20-13:10 T, Amundson Hall 116, In Person; Ben Hackel ; 3 cr.
60247 005 DIS, 14:30-15:20 T, Amundson Hall 120, In Person; Ben Hackel ; 3 cr.

4214 Polymers

(A-F or Audit; Prereq: [[MATS 3011, [3101 or MATS 3001], [upper div MatS or ChEn]] or instr consent)
59188 001 LEC, 11:15-12:05 MWF, Bruininks Hall 230, In Person; Meets With: 001 MATS 4214001 CHEM 4214; Frank Bates ; 3 cr.

4223W Polymer Laboratory

(Student Option; WI)
59219 001 LEC, 08:00-08:50 M, Smith Hall 331, In Person; Meets With: 001 CHEM 4223W001 MATS 4223W; Marc Hillmyer ; 2 cr.
59220 002 LAB, 08:00-11:50 T, Smith Hall 249A, In Person; Meets With: 002 CHEM 4223W002 MATS 4223W; Marc Hillmyer ; 2 cr.

4501W Chemical Engineering Design

(A-F only; Prereq: CHEN 3401W, ChEn 3102, ChEn 3006 (or &3006), Chem 2301WI)
59978 001 LEC, 13:25-14:15 MWF, Nicholson Hall 155, In Person; Qi Zhang ; 4 cr.
59979 002 DIS, 08:00-08:50 TTh, Amundson Hall 120, In Person; Qi Zhang ; 4 cr.
59980 003 DIS, 09:05-09:55 TTh, Amundson Hall 120, In Person; Qi Zhang ; 4 cr.
59981 004 DIS, 10:10-11:00 TTh, Amundson Hall 158, In Person; Qi Zhang ; 4 cr.
59982 005 DIS, 14:30-15:20 TTh, Amundson Hall 124, In Person; Qi Zhang ; 4 cr.

4593 Directed study

(Student Option No Audit; Prereq: ChEn major upper division, instr consent)
58303 001 IND, 00:00-00:00 , , In Person; Kevin Dorfman ; 1-4 cr.

4594 Directed Research

(Student Option No Audit; Prereq: Upper div ChEn)
58304 001 IND, 00:00-00:00 , , In Person; Kevin Dorfman ; 1-4 cr.

5753 Advanced Biomedical Transport

Processes
(A-F or Audit; Prereq: 3005 or 4005 or equiv)
58391 001 LEC, 09:05-09:55 MWF, Mechanical Engineering 102, In Person; Meets With: 001 BMEN 5311; Robert Tranquillo ; 3 cr.
67365 883 LEC, 09:05-09:55 MWF, Twin Cities Remote, Completely Online; Robert Tranquillo ; 3 cr.

5802 Applied Machine Learning in Chemical Engineering and Materials Science

(A-F or Audit;)
67261 001 LEC, 08:15-09:30 TTh, Smith Hall 331, In Person; Meets With: 001 MATS 5802; Christopher Bartel ; 3 cr.

Chemistry (CHEM)

1015 Introductory Chemistry: Lecture

(Student Option; Prereq: [High school chemistry or equiv], two yrs high school math, not passed chem placement exam, high school physics recommended; Students who will go on to take CHEM 1061/1065 should take CHEM 1015 only. Students who will NOT be continuing on to CHEM 1061/1065 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.PHYS)
58880 001 LEC, Completely Online; Emily Pelton ; 3 cr.

1017 Introductory Chemistry: Laboratory

(A-F only; 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 1061/1065. 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 Lib Ed req of Physical Sciences)PHYS)
58881 001 LAB, 14:30-17:20 T, Smith Hall 249, In Person; Michelle Driessen ; 1 cr.
58882 002 LAB, 14:30-17:20 W, Smith Hall 249, In Person; Michelle Driessen ; 1 cr.

58883 003 LAB, 08:00-10:50 Th, Smith Hall 249, In Person; Michelle Driessen ; 1 cr.

1061 Chemical Principles I

(Student Option; Prereq: Grade of at least C- in [1011 or 1015] or [passing placement exam, concurrent registration is required (or allowed) in 1065]; intended for science or engineering majors; concurrent registration is required (or allowed) in 1065; registration for 1065 must precede registration for 1061 PHYS)
59390 001 LEC, 08:00-08:50 MWF, Smith Hall 100, In Person; Doreen Leopold ; 3 cr.
59391 002 LEC, 12:20-13:10 MWF, Smith Hall 100, In Person; Debra Salmon ; 3 cr.
59392 003 LEC, 14:30-15:20 MWF, Smith Hall 100, In Person; Debra Salmon ; 3 cr.
59596 004 LEC, 09:45-11:00 TTh, Smith Hall 100, In Person; Aaron Massari ; 3 cr.

1062 Chemical Principles II

(Student Option; 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 1062PHYS)
59364 001 LEC, 13:00-14:15 TTh, Smith Hall 100, In Person; Emily Pelton ; 3 cr.
59365 002 LEC, 09:45-11:00 T, Bruininks Hall 114, Partially Online; Michelle Driessen ; 3 cr.
59450 003 LEC, 09:45-11:00 Th, Bruininks Hall 114, Partially Online; Michelle Driessen ; 3 cr.
59488 004 LEC, Completely Online; Michelle Driessen ; 3 cr.

1065 Chemical Principles I Laboratory

(A-F only; Prereq: concurrent registration is required (or allowed) in 1061PHYS)
59367 002 LAB, 11:15-14:05 M, Smith Hall 110, In Person; Michelle Driessen ; 1 cr.
59368 003 LAB, 14:30-17:20 M, Smith Hall 110, In Person; Michelle Driessen ; 1 cr.
59369 004 LAB, 08:00-10:50 T, Smith Hall 110, In Person; Michelle Driessen ; 1 cr.
59370 005 LAB, 11:15-14:05 T, Smith Hall 110, In Person; Michelle Driessen ; 1 cr.
59371 006 LAB, 14:30-17:20 T, Smith Hall 110, In Person; Michelle Driessen ; 1 cr.
59372 007 LAB, 08:00-10:50 W, Smith Hall 110, In Person; Michelle Driessen ; 1 cr.
59373 008 LAB, 11:15-14:05 W, Smith Hall 110, In Person; Michelle Driessen ; 1 cr.
59374 009 LAB, 14:30-17:20 W, Smith Hall 110, In Person; Michelle Driessen ; 1 cr.
59375 011 LAB, 11:15-14:05 Th, Smith Hall 110, In Person; Michelle Driessen ; 1 cr.
59833 012 LAB, 14:30-17:20 Th, Smith Hall 110, In Person; Michelle Driessen ; 1 cr.

1066 Chemical Principles II Laboratory

(A-F only; Prereq: concurrent registration is required (or allowed) in 1062PHYS)
59377 002 LAB, 11:15-14:05 M, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.
59378 003 LAB, 14:30-17:20 M, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.
59379 004 LAB, 08:00-10:50 T, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.
59380 005 LAB, 11:15-14:05 T, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.
59381 006 LAB, 14:30-17:20 T, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.
59382 007 LAB, 08:00-10:50 W, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.
59383 008 LAB, 11:15-14:05 W, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.
59384 009 LAB, 14:30-17:20 W, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.
59385 011 LAB, 11:15-14:05 Th, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.
59386 012 LAB, 14:30-17:20 Th, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.
59840 013 LAB, 18:00-20:50 Th, Smith Hall 210, In Person; Michelle Driessen ; 1 cr.

1072H Honors Chemistry II

(A-F only; Prereq: 1071H, concurrent registration is required (or allowed) in 1076H, honors student, registration for 1076H must precede registration for 1072HPHYS)
59387 001 LEC, 09:05-09:55 MWF, Smith Hall 231, In Person; Renee Frontiera ; 3 cr.

1076H Honors Chemistry II Laboratory

(A-F only; Prereq: concurrent registration is required (or allowed) in 1072HPHYS)
59388 001 LAB, 13:25-16:10 M, Smith Hall 249A, In Person; Michelle Driessen ; 1 cr.

1082 Chemistry for the Life Sciences II

(Student Option; Prereq: grade of a C- or better in CHEM 1081 (lecture) and CHEM 1065 (lab); concurrent registration is required (or allowed) in 1086; registration for 1086 must precede registration for 1082. This course is recommended for CBS majors.)
59670 001 LEC, 11:15-12:30 TTh, Smith Hall 100, In Person; Angela Perkins ; 3 cr.

1086 Chemistry for the Life Sciences II

Laboratory
(Student Option; Prereq: grade of a C- or better in CHEM 1081 (lecture) and CHEM 1065 (lab). Concurrent registration in CHEM 1082 is required. This course is recommended for CBS majors.)
59671 003 LAB, 08:00-11:00 T, Kolthoff Hall 583, In Person; Angela Perkins ; 1 cr.
59672 004 LAB, 13:00-16:00 T, Kolthoff Hall 583, In Person; Angela Perkins ; 1 cr.
59723 006 LAB, 10:10-13:10 W, Kolthoff Hall 583, In Person; Angela Perkins ; 1 cr.
59724 007 LAB, 13:25-16:25 W, Kolthoff Hall 583, In Person; Angela Perkins ; 1 cr.
59725 008 LAB, 08:00-11:00 Th, Kolthoff Hall 583, In Person; Angela Perkins ; 1 cr.
59726 009 LAB, 13:00-16:00 Th, Kolthoff Hall 583, In Person; Angela Perkins ; 1 cr.
59975 010 LAB, 17:00-20:00 Th, Kolthoff Hall 583, In Person; Angela Perkins ; 1 cr.

1911W Quantum Mechanics and Popular

Philosophy
(Student Option; WI)
66067 001 LEC, 10:10-11:00 WF, Smith Hall 121, In Person; Doreen Leopold ; 2 cr.

2094 Directed Research

(Student Option; Prereq: instr consent)
60090 001 IND, In Person; Stephanie Stathopoulos ; 1-3 cr.

2301 Organic Chemistry I

(Student Option; Prereq: C- or better in 1062/1066 or 1072H/1076H)
57848 001 LEC, 10:10-11:00 MWF, Bruininks Hall 230, In Person; Alexei Novikov ; 3 cr.
57849 002 LEC, 13:25-14:15 MWF, Bruininks Hall 220, In Person; Alexei Novikov ; 3 cr.
58949 003 LEC, 18:00-21:00 W, Smith Hall 100, In Person; William Pomerantz ; 3 cr.

2302 Organic Chemistry II

(Student Option; Prereq: Grade of at least C- in 2301)
57850 001 LEC, 09:05-09:55 MWF, Smith Hall 100, In Person; Courtney Roberts, Jessica Lamb ; 3 cr.
57851 002 LEC, 10:10-11:00 MWF, Smith Hall 100, In Person; Jessica Lamb, Courtney Roberts ; 3 cr.
59466 003 LEC, 11:15-12:05 MWF, Smith Hall 100, In Person; Debra Salmon ; 3 cr.

2311 Organic Lab

(Student Option; Prereq: Grade of at least C- in [2302] or [concurrent registration is required (or allowed) in 2302])
57853 001 LEC, 11:15-12:05 T, Bruininks Hall 220, In Person; Jane Wissinger ; 4 cr.
57854 002 LEC, 12:20-13:10 T, Bruininks Hall 220, In Person; Jane Wissinger ; 4 cr.
57855 003 LEC, 16:55-17:45 T, Bruininks Hall 220, In Person; Jane Wissinger ; 4 cr.
57856 005 LAB, 08:00-11:50 TTh, Smith Hall 349, In Person; 4 cr.
57857 007 LAB, 12:20-16:10 TTh, Smith Hall 349, In Person; 4 cr.
58950 008 LAB, 18:00-21:50 TTh, Smith Hall 349, In Person; 4 cr.
59281 006 LAB, 12:20-16:10 MW, Smith Hall 349, In Person; 4 cr.

2332H Honors Elementary Organic Chemistry II

(A-F only; Prereq: At least C- in 2331H, UHP student)
67652 001 LEC, 09:05-09:55 MWF, Smith Hall 331, In Person; Steven Kass ; 3 cr.

3121 Process Analytical Chemistry

(A-F or Audit; Prereq: [2302 or concurrent registration is required (or allowed) in 2302], [4501 or concurrent registration is required (or allowed) in 4501], CSE student)
57859 001 LEC, 12:20-13:10 MWF, Bruininks Hall 230, In Person; Kyle Bantz ; 3 cr.
57860 002 LAB, 08:00-11:50 T, Smith Hall 310, In Person; 3 cr.

57862 005 LAB, 13:25-17:15 T, Smith Hall 310, In Person; 3 cr.
58442 007 LAB, 08:00-11:50 Th, Smith Hall 310, In Person; 3 cr.
59222 004 LAB, 13:25-17:15 T, Smith Hall 310, In Person; 3 cr.
60469 008 LAB, 13:25-17:15 Th, Smith Hall 310, In Person; ; 3 cr.
60470 009 LAB, 13:25-17:15 Th, Smith Hall 310, In Person; 3 cr.

4021 Computational Chemistry

(Student Option; Prereq: [4502 or equiv], instr consent)
57938 001 LEC, 09:05-09:55 MWF, Smith Hall 121, In Person; Meets With: 001 CHEM 8021; Jiali Gao ; 3 cr.

4094W Directed Research

(Student Option; Prereq: Any 3xxx or 4xxx chem course, instr consentWI)
58087 001 IND, 00:00-00:00 , , In Person; 1-5 cr.

4101 Modern Instrumental Methods of Chemical Analysis

(A-F or Audit; Prereq: 2101, 2111)
59721 001 LEC, 09:05-09:55 MWF, Ford Hall 150, In Person; Michael Bowser ; 3 cr.

4111W Modern Instrumental Methods of Chemical Analysis Lab

(A-F or Audit; Prereq: 4101 or concurrent registration is required (or allowed) WI)
57863 001 LEC, 11:15-12:05 T, Bruininks Hall 530B, In Person; Kyle Bantz ; 2 cr.
59851 002 LAB, 12:20-16:10 T, Smith Hall 310, In Person; 2 cr.
59973 004 LAB, 12:20-16:10 Th, Smith Hall 310, In Person; 2 cr.

4223W Polymer Laboratory

(Student Option; Prereq: CHEM 4221 coreq CHEM 4214 or CHEN 4214 or MATS 4214 or instr consentWI)
57939 002 LAB, 08:00-11:50 T, Smith Hall 249A, In Person; Meets With: 002 CHEN 4223W002 MATS 4223W; Marc Hillmyer ; 2 cr.
58158 001 LEC, 08:00-08:50 M, Smith Hall 331, In Person; Meets With: 001 MATS 4223W001 CHEN 4223W; Marc Hillmyer ; 2 cr.
60360 004 LAB, 08:00-11:50 Th, Smith Hall 249A, In Person; Meets With: 004 MATS 4223W004 CHEN 4223W; Marc Hillmyer ; 2 cr.

4311W Advanced Organic Chemistry Lab

(Student Option; Prereq: 2311WI)
57865 001 LEC, 13:25-14:15 F, Smith Hall 121, In Person; Angela Perkins ; 4 cr.
59088 003 LAB, 12:30-16:30 TTh, Kolthoff Hall 594, In Person; 4 cr.

4322 Advanced Organic Chemistry

(Student Option; Prereq: [2302 or equiv], 4501, instr consent)
57942 001 LEC, 11:15-12:05 MWF, Smith Hall 331, In Person; Meets With: 001 CHEM 8322; Christopher Douglas ; 3 cr.

4352 Physical Organic Chemistry

(Student Option; Prereq: 4501, [4011 or 8011])
57944 001 LEC, 10:10-11:00 MWF, Kolthoff Hall 135, In Person; Meets With: 001 CHEM 8352; Steven Kass ; 3 cr.

4361 Interpretation of Organic Spectra

(Student Option; Prereq: [2302 or equiv], 4501, instr consent)
65973 001 LEC, 14:30-15:45 MW, Smith Hall 331, In Person; Meets With: 001 CHEM 8361; Phil Buhlmann ; 3 cr.

4412 Chemical Biology of Enzymes

(Student Option; Prereq: [2302 or equiv], 4501)
59929 001 LEC, 11:15-12:45 MW, Smith Hall 121, In Person; Meets With: 001 CHEM 8412; Mark Distefano ; 3 cr.

4423W Foundations of Chemical Biology Laboratory

(Student Option; Prereq: [2302], 2311, 3111WI)
59586 001 LEC, 09:45-11:00 T, Ford Hall B29, In Person; Erin Carlson ; 2 cr.
59588 003 LAB, 12:20-16:10 T, Kolthoff Hall 494, In Person; 2 cr.
59589 004 LAB, 08:00-11:50 Th, Kolthoff Hall 494, In Person; 2 cr.
59913 005 LAB, 12:20-16:10 Th, Kolthoff Hall 494, In Person; 2 cr.

4501 Introduction to Thermodynamics, Kinetics, and Statistical Mechanics

(A-F or Audit; 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])
58948 001 LEC, 11:15-12:05 MWF, Bruininks Hall 220, In Person; Sapna Sarupria ; 3 cr.

4502 Introduction to Quantum Mechanics and Spectroscopy

(A-F or Audit; Prereq: [1062/1066 or 1072H/1076H or 1082/1086], [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])
58139 001 LEC, 10:10-11:00 MWF, Bruininks Hall 220, In Person; Jiali Gao ; 3 cr.

4601 Green Chemistry

(Student Option; Prereq: [2302 or 2081 or equiv]ENV)
59309 001 LEC, 14:30-15:45 MW, Bruininks Hall 131A, In Person; Theresa Reineke ; 3 cr.

4711W Advanced Inorganic Chemistry Lab

(A-F or Audit; Prereq: 4701, chem majorWI)
57866 001 LEC, 11:15-12:05 T, Smith Hall 231, In Person; Ambika Bhagi-Damodaran ; 3 cr.
58138 002 LAB, 12:30-16:20 TTh, Kolthoff Hall 491, In Person; 3 cr.
59532 003 LAB, 12:30-16:20 MW, Kolthoff Hall 491, In Person; 3 cr.

4745 Advanced Inorganic Chemistry

(Student Option; Prereq: 4701, chem major, instr consent)
67360 001 LEC, 11:15-12:30 TTh, Smith Hall 331, In Person; Meets With: 001 CHEM 8745; Gwendolyn Bailey ; 3 cr.

4894 Directed Thesis

(A-F only; Prereq: instr consent)
59674 001 IND, In Person; Stephanie Stathopoulos ; 1-3 cr.

5210 Materials Characterization

(Student Option; Prereq: grad student or instr consent)
58140 001 LEC, 13:25-15:20 MW, Smith Hall 111, In Person; Andreas Stein ; 4 cr.

5755 X-Ray Crystallography

(A-F or Audit; Prereq: Chem grad student or instr consent)
58141 001 LEC, 12:20-13:10 MWF, Smith Hall 111, In Person; Victor Young ; 4 cr.

Chicano Studies (CHIC)**1102 Latinos in the United States: Culture and Citizenship**

(Student Option; DSJ,HIS)
53660 001 LEC, 09:45-11:00 MW, Blegen Hall 317, In Person; Meets With: 001 CHIC 1102H; Karen Mary Davalos ; 3 cr.

1102H Honors: Latinos in the United States: Culture and Citizenship

(A-F only; DSJ,HIS)
53661 001 LEC, 09:45-11:00 MW, Blegen Hall 317, In Person; Meets With: 001 CHIC 1102; Karen Mary Davalos ; 3 cr.

1112 Paradigms in Chicana/o Studies

(Student Option; DSJ)
51743 001 LEC, 13:00-14:15 TTh, Bruininks Hall 117, In Person; Gabriela Spears-Rico ; 3 cr.

3216W Chicana and Chicano Art

(Student Option; AH,WI,CIV)
67777 001 LEC, 11:15-12:30 MW, Blegen Hall 435, In Person; Meets With: 001 ARTH 3216W001 CHIC 5216W; Karen Mary Davalos ; 3 cr.

3221 Chicana/o Cultural Studies: Barrio Culture and the Aesthetics of Everyday Life

(Student Option; AH,DSJ)

67779 001 LEC, 13:00-14:15 MW, Appleby Hall 128, In Person; Jessica Lopez Lyman ; 3 cr.

3223 Chicana/o and Latina/o Representation in Film
(Student Option; AH,DSJ)

55365 001 LEC, Completely Online; Alexandra Covarrubias ; 3 cr.

3374 Migrant Farmworkers in the United States: Families, Work, and Advocacy
(Student Option; CIV)

53857 001 DIS, 14:30-16:10 MW, Amundson Hall 158, In Person; Meets With: 001 CHIC 5374; Olga Hernandez Villar ; 4 cr.

3446 Chicana and Chicano History II: WWII, El Movimiento, and the New Millennium
(Student Option; DSJ,HIS)

52954 001 LEC, 11:15-12:30 TTh, Appleby Hall 103, In Person; Meets With: 001 HIST 3446; Jimmy Patino ; 3 cr.

3507W Introduction to Chicana/o Literature
(Student Option; DSJ,WI,LITR)

53025 001 LEC, 09:45-11:00 TTh, Pillsbury Hall 311, In Person; Meets With: 001 ENGL 3507W; Vanessa Ramos ; 3 cr.

3896 Internship for Academic Credit
(Student Option;)

54926 001 IND, In Person; 1-4 cr.

3900 Topics in Chicano Studies
(A-F only;)

68212 001 LEC, 15:35-17:45 W, Bruininks Hall 420A, In Person; Tlahtoki Xochimeh ; 3 cr.

3993 Directed Studies
(Student Option; Prereq: instr consent)

53834 001 IND, In Person; 1-9 cr.
53856 002 IND, 00:00-00:00 , , In Person; 1-9 cr.

4232 Chicana/o - Latina/o Gender and Sexuality Studies
(Student Option; AH,DSJ)

67780 001 LEC, 08:15-09:30 MW, Wulling Hall 220, In Person; Roy Guzman ; 3 cr.

4275 Theory in Action: Community Engagement in a Social Justice Framework

(Student Option; CIV)
67794 001 LEC, 15:30-18:00 M, Ford Hall 170, In Person; Jessica Lopez Lyman ; 3 cr.

4401 Chicana/Latina Cultural Studies
(Student Option; AH,DSJ)

67781 001 LEC, 16:00-18:30 T, Folwell Hall 8, In Person; Meets With: 001 GWSS 4401; E Ornelas ; 3 cr.

4901W Senior Paper
(A-F only; WI)

55010 001 IND, In Person; 3 cr.

5216W Chicana and Chicano Art
(Student Option; AH,WI,CIV)

67778 001 LEC, 11:15-12:30 MW, Blegen Hall 435, In Person; Meets With: 001 ARTH 3216W001 CHIC 3216W; Karen Mary Davalos ; 3 cr.

5993 Directed Studies
(Student Option; Prereq: instr consent)

51744 001 IND, 00:00-00:00 , , In Person; 1-3 cr.
53039 002 IND, 00:00-00:00 , , In Person; Jimmy Patino ; 1-3 cr.

Child Psychology (CPSY)

2301 Introduction to Developmental Psychology
(Student Option; SOCS)

50306 001 LEC, 09:45-11:00 MW, Campbell Hall 1, In Person; Meets With: 001 CPSY 3301; Henriette Warren ; 4 cr.
50307 002 DIS, 09:45-10:35 F, Campbell Hall 150, In Person; Henriette Warren ; 4 cr.
51357 005 LEC, Completely Online; Meets With: 003 CPSY 3301; Amanda Hodel ; 4 cr.
51375 010 LEC, 09:05-11:00 MW, Nicholson Hall 335, In Person; Briá Gresham, H.R. Hodges ; 4 cr.

51433 006 LEC, 14:30-16:25 TTh, Appleby Hall 3, In Person; Sarah Pan, Kayla Nelson ; 4 cr.

51517 008 LEC, 09:05-11:00 TTh, Wulling Hall 240, In Person; Tori Simenec, Sally Stoyell ; 4 cr.

3301 Introduction to Developmental Psychology
(Student Option; SOCS)

51097 001 LEC, 09:45-11:00 MW, Campbell Hall 1, In Person; Meets With: 001 CPSY 2301; Henriette Warren ; 4 cr.
51098 002 DIS, 10:50-11:40 F, Campbell Hall 150, In Person; Henriette Warren ; 4 cr.
51122 003 LEC, Completely Online; Meets With: 005 CPSY 2301; Amanda Hodel ; 4 cr.
67184 004 LEC, 14:30-16:25 MW, Twin Cities Remote, Completely Online; Melody Altschuler ; 4 cr.
67185 005 LEC, 09:05-11:00 TTh, Appleby Hall 103, In Person; Maya Bowen, Finola Kane-Grade ; 4 cr.

3308W Introduction to Research Methods in Child Psychology

(A-F or Audit; Prereq: CPSY 2301 / 3301 or equiv WI)

50311 001 LEC, 09:15-10:55 MW, Campbell Hall 150, In Person; Chrylle Elieff ; 4 cr.
51431 002 LEC, 14:00-15:40 TTh, Twin Cities Remote, Completely Online; Canan Karatekin ; 4 cr.

3601 Introduction to Child Life Theory and Practice

(A-F or Audit; Prereq: any introductory course in the areas of Child Development, Psychology, Human Development, Family Systems (CPSY 2/3301 strongly recommended))

51607 001 DIS, Completely Online; Abigail Horton ; 3 cr.

3896 Internship in Child Psychology
(S-N only;)

51432 001 FWK, Completely Online; Meghan Eliason ; 1-4 cr.

4302 Infant Development

(A-F or Audit; Prereq: CPSY 2301 or equivalent or instructor consent)

51518 001 LEC, 14:30-15:45 MW, Campbell Hall 1, In Person; Sarah Lukowski ; 3 cr.

4303 Adolescent Psychology

(A-F or Audit; Prereq: PSY 1001 or equivalent)

51404 001 DIS, Completely Online; Amanda Hodel ; 3 cr.
68474 002 DIS, 11:15-12:30 MW, Campbell Hall 150, In Person; Lauren Eales, Emmy Reilly ; 3 cr.

4313W Disabilities and Development

(Student Option; Prereq: Psy 1001WI)

50309 001 LEC, 09:15-10:55 TTh, Campbell Hall 1, In Person; Brian Abery, Renata Ticha ; 4 cr.

4314 Trauma-Informed Care Practices in Early Childhood

(Student Option;)

51519 001 LEC, 09:00-11:30 T, Campbell Hall 150, In Person; Marie Lister ; 3 cr.

4315 Practicum in Early Childhood Trauma-Informed Care

(S-N only;)

51520 001 FWK, 11:30-12:00 T, Campbell Hall 150, In Person; Marie Lister ; 2 cr.

4329 Biological Foundations of Development

(A-F or Audit; Prereq: CPSY 2301 / 3301 or equiv)

50916 001 LEC, 12:45-14:00 MW, Campbell Hall 1, In Person; Jed Elison ; 3 cr.

4331 Social and Personality Development

(A-F or Audit; Prereq: CPSY 2301 / 3301 or equiv)

50269 001 LEC, 13:00-14:15 MW, Peik Hall 28, In Person; Henriette Warren ; 3 cr.

4343 Cognitive Development

(A-F or Audit; Prereq: CPSY 2301 or 3301 or equivalent)

50312 001 LEC, 14:30-15:45 TTh, Nicholson Hall 35, In Person; Philip Zelazo ; 3 cr.

4345 Language Development and Communication

(A-F or Audit; Prereq: CPSY 2301 / 3301 or equiv)

50310 001 LEC, 11:15-12:30 TTh, Bruininks Hall 230, In Person; Melissa Koening ; 3 cr.

4347W Child Psychology Capstone

(A-F or Audit; Prereq: Senior and completion of CPSY 3308W (or approved equivWI))

50516 001 LEC, 11:15-12:30 MW, Campbell Hall 1, In Person; Chrylle Elieff ; 3 cr.
51521 002 LEC, 09:45-11:00 MW, Peik Hall 155, In Person; Arthur Reynolds ; 3 cr.

4994 Directed Research in Developmental Psychology
(Student Option;)

68329 001 LAB, In Person; Daniel Berry ; 1-4 cr.
68330 002 LAB, In Person; Elizabeth Carlson ; 1-4 cr.
68331 003 LAB, In Person; Stephanie Carlson ; 1-4 cr.
68332 004 LAB, In Person; Dante Cicchetti ; 1-4 cr.
68333 005 LAB, In Person; Jed Elison ; 1-4 cr.
68334 006 LAB, In Person; Gail Ferguson ; 1-4 cr.
68335 007 LAB, In Person; Michael Georgieff ; 1-4 cr.
68336 008 LAB, In Person; Damien Fair ; 1-4 cr.
68337 009 LAB, In Person; Megan Gunnar ; 1-4 cr.
68338 010 LAB, In Person; Canan Karatekin ; 1-4 cr.
68339 011 LAB, In Person; Melissa Koening ; 1-4 cr.
68340 012 LAB, In Person; Ann Masten ; 1-4 cr.
68341 013 LAB, In Person; Michele Mazzocco ; 1-4 cr.
68342 014 LAB, In Person; Arthur Reynolds ; 1-4 cr.
68343 015 LAB, In Person; Glenn Roisman ; 1-4 cr.
68344 016 LAB, In Person; Charisse Pickron ; 1-4 cr.
68345 017 LAB, In Person; Kathleen Thomas ; 1-4 cr.
68346 018 LAB, In Person; Sylvia Wilson ; 1-4 cr.
68348 020 LAB, In Person; Maria Kroupina ; 1-4 cr.
68349 021 LAB, In Person; Rebecca Shlafer ; 1-4 cr.
68350 022 LAB, In Person; Ka I Ip ; 1-4 cr.
68351 023 LAB, In Person; Andrew Barnes ; 1-4 cr.
68352 024 LAB, In Person; Anne Larson ; 1-4 cr.
68353 025 LAB, In Person; Philip Zelazo ; 1-4 cr.
68366 026 LAB, In Person; Alyssa Meuwissen ; 1-4 cr.

5181 Clinical Experience in Elementary School Teaching

(S-N or Audit;)

50352 001 FWK, In Person; Ann Carlson ; 10 cr.

5187 Capstone Project: Improvement of Teaching in Early Childhood Education
(Student Option No Audit; Prereq: Completion of all requirements for Early Childhood Teacher Licensure, other than CI 5181, which is taken concurrently.)

51429 001 DIS, 16:30-18:30 M, Campbell Hall 140, In Person; Ann Carlson ; 2 cr.

5241 Field Experience in Early Childhood Education

(A-F only;)

50949 001 LEC, 17:00-18:30 Th, Campbell Hall 150, In Person; Asha Stenzel ; 3 cr.

5252 Facilitating Social and Emotional Learning in Early Childhood Education

(A-F only; Prereq: CPSY 2301 or equiv or instr consent. For Early Childhood or ECSE students.)

50513 001 LEC, 16:00-18:40 T, Campbell Hall 150, In Person; Elizabeth Criswell ; 3 cr.

5254 Facilitating Creative and Motor Learning in Early Childhood Education

(A-F only; Prereq: CPSY 2301 or equiv or instr consent. For Early Childhood and ECSE students.)

50950 001 LEC, 15:00-16:40 F, Campbell Hall 150, In Person; Amy Betz ; 2 cr.

5281 Student Teaching in Early Childhood Education

(S-N or Audit; Prereq: Early Childhood or ECSE student plus successful completion of CPSY 5241, 5252, 5253, and 5254.)

50418 001 FWK, 07:30-12:30 MTWThF, Lab TBA, 12:30-14:00 F, No Room Required, In Person; Sheila Williams Ridge ; 6-8 cr.
51336 002 FWK, 11:30-16:30 MWTh, Lab TBA, 12:30-14:00 F, No Room Required, In Person; Sheila Williams Ridge ; 6-8 cr.

5303 Social and Emotional Development
(Student Option;)

51346 001 LEC, Completely Online; Gail Ferguson ; 3 cr.

5360 Special Topics in Developmental Psychology
(Student Option;)

67597 001 LEC, Completely Online; Glenace Edwall ; 1 cr.

5503 Development and Psychopathology in Early Childhood

(Student Option; Prereq: 5501 or enrolled in MA program or IECMH graduate minor)
51344 001 LEC, Completely Online; Elizabeth Carlson ; 3 cr.

5506 Infant Observation Seminar I

(S-N only;)
51345 001 LEC, Completely Online; Michele Fallon ; 1 cr.

5521 Prevention and Intervention in Early Childhood: Practice and Ethics

(A-F only;)
51434 001 LEC, Completely Online; Jane Ellison, Teya Dahle ; 3 cr.

5601 Child Life Theory, Practice and Program Development

(A-F only;)
51347 001 LEC, Completely Online; Sarah Wiebler ; 3 cr.

5602 Developmental Perspectives on Illness and Injury in Healthcare

(A-F only;)
51348 001 LEC, Completely Online; JoHannah Orman ; 3 cr.

5605 Childhood Death and Bereavement

(A-F only;)
51435 001 LEC, Completely Online; Rachel Calvert ; 3 cr.

5996 Field Experience in Applied Child and Adolescent Development

(S-N only;)
51436 001 FWK, Completely Online; Anne Larson ; 1-12 cr.
51437 002 FWK, Completely Online; Arielle Handevit, Carol Siegel ; 1-12 cr.
51438 003 FWK, Completely Online; Sarah Wiebler, Theresa Bunkers ; 1-12 cr.
51476 004 FWK, Completely Online; Jessica Flynn ; 1-12 cr.
51615 006 FWK, In Person; Elizabeth Carlson ; 1-12 cr.
51687 005 FWK, In Person; Laura Smith ; 1-12 cr.

China Executive MBA (CHMB)

5800 Organizational Behavior

(A-F only;)
57372 001 LEC, Study Abroad; 3 cr.

Chinese (CHN)

1012 Beginning Modern Chinese II

(Student Option No Audit; Prereq: 1011 or equiv or instr consent)
52043 001 LEC, 10:10-11:00 MTWTh, Folwell Hall 103, In Person; Meets With: 001 CHN 4002; Ling Wang ; 5 cr.
52044 003 LEC, 13:25-14:15 MTWTh, Folwell Hall 30, In Person; Meets With: 003 CHN 4002; Yao Tu ; 5 cr.
52657 002 LEC, 11:15-12:05 MTWTh, Folwell Hall 105, In Person; Meets With: 002 CHN 4002; Ling Wang ; 5 cr.
52712 050 LEC, 17:30-19:20 TTh, Twin Cities Remote, Completely Online; Meets With: 050 CHN 4002; Ling Wang ; 5 cr.

3016 Accelerated Intermediate Modern Chinese

(Student Option No Audit; Prereq: 1012 or 1015; oral/aural skills or speaker of other Chinese dialect recommended)
52508 001 LEC, 14:30-15:20 MTWTh, Folwell Hall 123, In Person; Meets With: 001 CHN 4006; Jin Stone ; 5 cr.

3022 Intermediate Modern Chinese II

(Student Option No Audit; Prereq: 3021)
52045 001 LEC, 11:15-12:05 MTWTh, Folwell Hall 31, In Person; Meets With: 001 CHN 4004; Hai Liu ; 5 cr.
52046 002 LEC, 13:25-14:15 MTWTh, Folwell Hall 123, In Person; Meets With: 002 CHN 4004; Hai Liu ; 5 cr.
52713 050 LEC, 16:30-18:20 MW, Twin Cities Remote, Completely Online; Meets With: 050 CHN 4004; Jin Stone ; 5 cr.

3032 Advanced Modern Chinese II

(Student Option No Audit; Prereq: 3031 or equiv or instr consent)
52659 001 LEC, 10:15-12:05 TTh, Peik Hall 28, In Person; Meets With: 001 CHN 4008; Yufen Chang ; 4 cr.

3202 Intermediate Chinese Calligraphy

(Student Option; Prereq: 3201 or instr consent)
52658 050 LAB, 18:00-20:00 T, Appleby Hall 201, In Person; Hong Zhang ; 2 cr.

3203 Advanced Chinese Handwriting

(Student Option;)
54088 001 LAB, 14:30-16:25 T, Appleby Hall 201, In Person; Hong Zhang ; 2 cr.

3993 Directed Studies

(Student Option No Audit; Prereq: instr consent, dept consent, college consent)
53846 001 IND, In Person; 1-5 cr.

4002 Beginning Modern Chinese II for Graduate Student Research

(Student Option No Audit; Prereq: 4001)
52725 001 LEC, 10:10-11:00 MTWTh, Folwell Hall 103, In Person; Meets With: 001 CHN 1012; Ling Wang ; 5 cr.
52726 002 LEC, 11:15-12:05 MTWTh, Folwell Hall 105, In Person; Meets With: 002 CHN 1012; Ling Wang ; 5 cr.
52727 003 LEC, 13:25-14:15 MTWTh, Folwell Hall 30, In Person; Meets With: 003 CHN 1012; Yao Tu ; 5 cr.
52728 050 LEC, 17:30-19:20 TTh, Twin Cities Remote, Completely Online; Meets With: 050 CHN 1012; Ling Wang ; 5 cr.

4004 Intermediate Modern Chinese II for Graduate Student Research

(Student Option No Audit; Prereq: 4003)
52729 001 LEC, 11:15-12:05 MTWTh, Folwell Hall 31, In Person; Meets With: 001 CHN 3022; Hai Liu ; 5 cr.
52730 002 LEC, 13:25-14:15 MTWTh, Folwell Hall 123, In Person; Meets With: 002 CHN 3022; Hai Liu ; 5 cr.
52786 050 LEC, 16:30-18:20 MW, Twin Cities Remote, Completely Online; Meets With: 050 CHN 3022; Jin Stone ; 5 cr.

4006 Accelerated Intermediate Modern Chinese for Graduate Student Research

(Student Option No Audit; Prereq: 1012 or 1015; oral/aural skills or other Chinese dialect recommended)
53334 001 LEC, 14:30-15:20 MTWTh, Folwell Hall 123, In Person; Meets With: 001 CHN 3016; Jin Stone ; 5 cr.

4008 Advanced Modern Chinese II for Graduate Student Research

(Student Option No Audit; Prereq: 4007)
52993 001 LEC, 10:15-12:05 TTh, Peik Hall 28, In Person; Meets With: 001 CHN 3032; Yufen Chang ; 4 cr.
53557 002 LEC, In Person; Meets With: 002 CHN 3032; 4 cr.

4022 Flagship Chinese for Professional Purposes

(A-F only;)
54607 001 LEC, 14:30-16:20 M, Wulling Hall 220, In Person; Yao Tu ; 2 cr.

4042 Advanced Readings in Modern Chinese II

(Student Option; Prereq: 3032 or instr consent)
53579 001 LEC, 14:30-16:20 TTh, Folwell Hall 108, In Person; Hai Liu ; 4 cr.

5211 Introductory Classical Chinese I

(Student Option; Prereq: Two years of an East Asian language (Chinese, Japanese, Korean) or equivalent or instr consent)
67828 001 LEC, 09:45-11:00 MW, Nicholson Hall 355, In Person; Meets With: 001 JPN 5211001 KOR 5211; Paul Rouzer ; 3 cr.

Civil, Environ, and Geo-Engin (CEGE)

1101 Introduction to Civil, Environmental, and Geo-Engineering

(S-N only; Prereq: Lower div)
60267 001 LEC, 10:10-11:00 W, Civil Engineering Bldg 188, In Person; Michelle Anderson ; 1 cr.

1501 Environmental Issues and Solutions

(Student Option; Prereq: High school chemistry or equiv, one yr high school algebra ENV,PHYS)
59751 001 LEC, 11:15-12:30 TTh, Rapson Hall 56, In Person; Sebastian Behrens ; 4 cr.
59755 002 LAB, 13:00-16:00 M, Civil Engineering Bldg 650, In Person; Kathy Wabner ; 4 cr.
59757 004 LAB, 13:00-16:00 T, Civil Engineering Bldg 650, In Person; Kathy Wabner ; 4 cr.
59758 005 LAB, 09:00-12:00 W, Civil Engineering Bldg 650, In Person; Kathy Wabner ; 4 cr.

3101 Computer Applications I

(A-F or Audit; Prereq: MATH 1372, PHYS 1301, CSE or instructor consent)
58357 001 LEC, 14:30-15:45 MW, Civil Engineering Bldg 210, In Person; Stefano Gonella ; 3 cr.

3102 Uncertainty and Decision Analysis

(A-F or Audit; Prereq: MATH 1372 or equiv)
58795 001 LEC, 10:10-11:00 MW, Amundson Hall 120, In Person; Randal Barnes ; 3 cr.
59310 003 DIS, 13:25-14:15 W, Civil Engineering Bldg 221, In Person; Randal Barnes ; 3 cr.
59311 004 DIS, 14:30-15:20 W, Civil Engineering Bldg 221, In Person; Randal Barnes ; 3 cr.

3103 Engineering Ethics and Professional Practice

(A-F only; Prereq: Civil Eng. or Environmental Eng. or Geoengineering Upper Division)
59825 001 DIS, 08:40-09:30 T, Civil Engineering Bldg 205, In Person; Ardeshir Ebtehaj ; 1 cr.

3111 CADD for Civil Engineers

(A-F only; Prereq: CECE 3201)
59677 001 LAB, 10:10-12:05 MW, Civil Engineering Bldg 221, In Person; Evan Cosgriff ; 2 cr.

3190 Curricular Practical Training Internship

(S-N only; Prereq: CE, EnvE, or Geo major)
59859 001 FWK, In Person; Joseph Labuz ; 1 cr.

3201 Transportation Engineering

(A-F or Audit; Prereq: PHYS 1301, (CEGE 3101, CECE 3102 can be taken concurrently)TS)
57885 001 LEC, 13:00-13:50 TTh, Armory Building 116, In Person; Raphael Stern ; 3 cr.
57886 002 DIS, 14:30-15:20 Th, Civil Engineering Bldg 202, In Person; Raphael Stern ; 3 cr.

3301 Soil Mechanics I

(A-F or Audit; Prereq: upper division CSE, AEM 3031, CECE 3101, or instructor consent)
57951 001 LEC, 14:30-15:45 TTh, Mechanical Engineering 108, In Person; Bojan Guzina ; 3 cr.
57952 002 LAB, 16:00-18:00 M, Civil Engineering Bldg 350, In Person; Bojan Guzina ; 3 cr.
57953 003 LAB, 16:00-18:00 T, Civil Engineering Bldg 350, In Person; Bojan Guzina ; 3 cr.
57954 004 LAB, 16:00-18:00 W, Civil Engineering Bldg 350, In Person; Bojan Guzina ; 3 cr.
58316 005 LAB, 16:00-18:00 Th, Civil Engineering Bldg 350, In Person; Bojan Guzina ; 3 cr.

3401 Linear Structural Analysis

(A-F or Audit; Prereq: AEM 3031, upper division CSE or instructor consent)
57981 001 LEC, 13:00-14:15 MW, Civil Engineering Bldg 210, In Person; Tianhao Yan ; 3 cr.

3402 Civil Engineering Materials

(A-F or Audit; Prereq: AEM 3031)
58022 001 LEC, 13:00-14:15 TTh, Civil Engineering Bldg 210, In Person; Mihai Marasteanu, Merry Rendahl ; 3 cr.
58023 002 LAB, 14:30-16:10 T, Civil Engineering Bldg 188, In Person; Mihai Marasteanu ; 3 cr.
58024 003 LAB, 11:10-12:50 W, Civil Engineering Bldg 188, In Person; Mihai Marasteanu ; 3 cr.
58025 004 LAB, 09:00-10:40 Th, Civil Engineering Bldg 188, In Person; Mihai Marasteanu ; 3 cr.

3501 Introduction to Environmental Engineering

(A-F or Audit; Prereq: Chem 1062, Phys 1302, Math 1372 or equivalent ENV)
57950 001 LEC, 09:45-11:00 TTh, Bruininks Hall 432, In Person; Timothy LaPara ; 3 cr.

3502 Fluid Mechanics

(A-F or Audit; Prereq: [AEM 2012 or AEM 3031], Math 2373, CECE 3101)
58056 001 LEC, 11:15-12:30 TTh, Civil Engineering Bldg 210, In Person; Meets With: 001 CECE 4522; Judy Yang ; 4 cr.
58057 002 LAB, 09:00-11:00 M, Civil Engineering Bldg 277, In Person; Judy Yang ; 4 cr.
59451 003 LAB, 08:00-10:00 T, Civil Engineering Bldg 277, In Person; Judy Yang ; 4 cr.
66242 005 LAB, 14:30-16:30 W, Civil Engineering Bldg 277, In Person; Judy Yang ; 4 cr.

4000H Honors Research Seminar

3617 Pagans, Christians, Barbarians: The World of Late Antiquity

(A-F or Audit; GP,HIS)
68219 001 LEC, 11:15-12:30 MW, Nicholson Hall 115, In Person; Meets With: 001 HIST 3617001 MEST 3617001 RELS 3543; Andrea Sterk ; 3 cr.

3896 Internship for Academic Credit

(Student Option;)
54804 001 IND, In Person; Spencer Cole ; 1-4 cr.

3993 Directed Studies

(Student Option; Prereq: instr consent)
52891 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

3994 Directed Research: Capstone

(Student Option; Prereq: Course is open to second semester juniors and seniors, major in CNRC, or ReLS Students enrolling in this directed research course will complete the University's common Directed Research contract with the faculty mentor/evaluator. The Faculty member will ensure academic standards are upheld, including: - the work proposed is at the appropriate level for the course, academic in nature, and the student will be involved intellectually in the project. - the project scope is reasonable for one semester and the number of credits specified (42 hours of work per credit) - the faculty mentor is qualified to serve in this role - assessment of student learning and grading criteria are clear and appropriate - the student will be working in a respectful, inclusive environment The contract will include the learning objectives for the course, the methods that will be employed, and how assessment will be conducted by the faculty mentor. The contract must be approved by the DUGS/academic approver of the major before the student can register.)
68636 001 IND, In Person; Nita Krevans ; 4 cr.

5502W Ancient Israel: From Conquest to Exile

(Student Option; WI)
68070 001 LEC, 11:15-12:30 TTh, Nicholson Hall 125, In Person; Meets With: 001 CNRC 3502W001 JWST 3502W001 RELS 3502W001 HIST 3502W; Bernard Levinson ; 3 cr.

5787 Visual Cultures in Contact: Cross-Cultural Interaction in the Ancient World

(Student Option;)
68313 001 LEC, 14:30-17:00 Th, Nicholson Hall 120, In Person; Ranjani Atur ; 3 cr.

5993 Directed Studies

(Student Option; Prereq-instr consent, dept consent, college consent.)
52831 001 IND, 00:00-00:00 , , In Person; Ranjani Atur ; 1-4 cr.

5994 Directed Research

(Student Option; Prereq-instr consent, dept consent, college consent.)
52832 001 IND, In Person; 1-12 cr.

5996 Directed Instruction

(Student Option; Prereq-instr consent, dept consent, college consent.)
52833 001 IND, 00:00-00:00 , , In Person; 1-12 cr.

Col of Food, Agr & Nat Res Sci (CFAN)**3002 Transfer Student Seminar**

(A-F only;)
68654 001 LEC, 15:00-15:50 T, Twin Cities Remote, Completely Online; Anna Capeder, Jeff Polski ; 1 cr.

3096 Making the Most of your Professional Experience

(A-F only; Prerequisite to the course. The professional/ internship experience will serve as a foundation for learning professional competencies including reflection, problem solving, managing interpersonal relationships, professional communication, and goal setting. Current theories of career development and career readiness will be introduced to help students construct meaning from their experiences to inform future goals and strategies. prereq: Secured internship, instr consent)
56295 001 LEC, 14:00-16:30 F, Twin Cities Remote, 14:00-16:30 F, Twin Cities Remote, 14:00-16:30 F,

Twin Cities Remote, 14:00-16:30 F, Twin Cities Remote, Completely Online; Mari Ruddy ; 1 cr.
56296 002 LEC, 15:00-17:30 M, Twin Cities Remote, 15:00-17:30 M, Twin Cities Remote, 15:00-17:30 M, Twin Cities Remote, 15:00-17:30 M, Twin Cities Remote, Completely Online; 1 cr.

3201 Career and Internship Preparation

(A-F only; Prereq: Soph or jr or sr or grad student)
56357 002 LEC, 16:05-16:55 W, Twin Cities Remote, Completely Online; Maddie Portnoy ; 1 cr.

3480 Topics in CFANS

(Student Option;)
66389 001 LEC, 11:45-13:00 TTh, Lrng & Environmental Sci 220, In Person; Jeffrey Stamp ; 1-4 cr.

3523 Greek Agriculture and Gastronomy: A Taste of the Mediterranean

(A-F only; GP)
56642 001 LEC, 14:00-16:00 F, Coffey Hall 125, 14:00-16:00 F, Coffey Hall 125, 14:00-16:00 F, Coffey Hall 125, 14:00-16:00 F, Coffey Hall 125, 14:00-16:00 F, Coffey Hall 125, In Person; Tommy Van Norman ; 3 cr.

3526 Two to Tango: Agricultural Marketing & Communication in Argentina

(A-F only; GP)
56593 001 LEC, 15:00-16:15 W, Lrng & Environmental Sci 220, In Person; Garrett Steede ; 3 cr.

3528 Exploring The New Nordic: Food Seasonality and Sustainability in Denmark and Sweden

(A-F only; GP)
56674 001 LEC, In Person; Hal DeLaRosby ; 3 cr.

3532 Germany: Leading the Renewables Revolution

(A-F or Audit; Prereq: instructor consentGP,ENV)
68375 001 LEC, 10:00-17:00 W, Ruttan Hall 143, 14:00-17:00 F, Ruttan Hall 143, 18:00-21:00 M, Ruttan Hall 143, Study Abroad; Sabine Engel, Beth Mercer-Taylor, Troy Goodnough ; 3 cr.

5532 Germany: Leading the Renewables Revolution

(A-F only; Prereq: instructor consent)
68376 001 LEC, 14:00-17:00 F, Ruttan Hall B30, 18:00-21:00 M, Ruttan Hall B30, Study Abroad; Sabine Engel, Beth Mercer-Taylor, Troy Goodnough ; 3 cr.

Coll of Science, Engineering (CSE)**1012 Project-based Inquiry**

(A-F only;)
59959 001 LAB, 14:30-16:25 M, Civil Engineering Bldg 335, In Person; Lee Penn, David Orser ; 2 cr.
59960 002 LAB, 14:30-16:25 T, Civil Engineering Bldg 335, In Person; Aaron Massari ; 2 cr.
59961 003 LAB, 14:30-16:25 Th, Civil Engineering Bldg 335, In Person; James Flaten, David Orser ; 2 cr.
59963 005 LAB, 14:30-16:25 W, Civil Engineering Bldg 335, In Person; John Sartori, Lorraine Francis ; 2 cr.
59964 006 LAB, 10:10-12:05 Th, Civil Engineering Bldg 335, In Person; Lauren Linderman ; 2 cr.

4896 Cooperative Industrial Assignment I

(A-F or Audit; Prerequisites for this course, though it is expected that students taking this course have a background in science or engineering appropriate for their industrial co-op position. Registration is by permission only. Please submit your application to the Co-op Program via Handshake to initiate the course access process. Detailed instructions can be found on the co-op website (<https://cse.umn.edu/coop/application-process>). This is the first course in a two-semester sequence. CSE 4896 is offered in the summer and spring semesters. CSE 4996 is offered in the Summer and fall semesters. It is expected that students complete a co-op experience back-to-back (i.e. summer/fall or spring/summer). If your co-op plan differs from that, please email co-op@umn.edu to receive permission to take the courses in reverse order.)
60381 001 LEC, 18:00-18:50 M, Twin Cities Remote, Completely Online; Kia Bazargan ; 2 cr.
60382 002 DIS, 19:00-19:50 M, Twin Cities Remote, Completely Online; Kia Bazargan ; 2 cr.

College of Liberal Arts (CLA)**1002 CLA First-Year Experience II**

(S-N only;)

55665 002 LEC, 18:00-18:50 T, Ford Hall 127, 18:00-18:50 T, Ford Hall 127, 18:00-18:50 T, Ford Hall 127, Partially Online; Molly Micheels ; 1 cr.
55666 003 LEC, 18:00-18:50 T, Ford Hall 170, 18:00-18:50 T, Ford Hall 170, 18:00-18:50 T, Ford Hall 170, Partially Online; Molly Micheels ; 1 cr.
55667 004 LEC, 18:00-18:50 T, Folwell Hall 107, 18:00-18:50 T, Folwell Hall 107, 18:00-18:50 T, Folwell Hall 107, Partially Online; Molly Micheels ; 1 cr.
55668 005 LEC, 18:00-18:50 T, Folwell Hall 119, 18:00-18:50 T, Folwell Hall 119, 18:00-18:50 T, Folwell Hall 119, Partially Online; Molly Micheels ; 1 cr.
55669 006 LEC, 18:00-18:50 T, Folwell Hall 13, 18:00-18:50 T, Folwell Hall 13, 18:00-18:50 T, Folwell Hall 13, Partially Online; Molly Micheels ; 1 cr.
55670 007 LEC, 18:00-18:50 T, Folwell Hall 10, 18:00-18:50 T, Folwell Hall 10, 18:00-18:50 T, Folwell Hall 10, Partially Online; Molly Micheels ; 1 cr.
55671 008 LEC, 18:00-18:50 T, Amundson Hall 104, 18:00-18:50 T, Amundson Hall 104, 18:00-18:50 T, Amundson Hall 104, Partially Online; Molly Micheels ; 1 cr.
55672 009 LEC, 18:00-18:50 T, Kolthoff Hall 136, 18:00-18:50 T, Kolthoff Hall 136, 18:00-18:50 T, Kolthoff Hall 136, Partially Online; Molly Micheels ; 1 cr.
55673 010 LEC, 18:00-18:50 T, Kolthoff Hall 133, 18:00-18:50 T, Kolthoff Hall 133, 18:00-18:50 T, Kolthoff Hall 133, Partially Online; Molly Micheels ; 1 cr.
55674 011 LEC, 18:00-18:50 T, Vincent Hall 313, 18:00-18:50 T, Vincent Hall 313, 18:00-18:50 T, Vincent Hall 313, Partially Online; Molly Micheels ; 1 cr.
55675 012 LEC, 18:00-18:50 T, Vincent Hall 364, 18:00-18:50 T, Vincent Hall 364, 18:00-18:50 T, Vincent Hall 364, Partially Online; Molly Micheels ; 1 cr.
55676 013 LEC, 18:00-18:50 T, Smith Hall 111, 18:00-18:50 T, Smith Hall 111, 18:00-18:50 T, Smith Hall 111, Partially Online; Molly Micheels ; 1 cr.
55677 014 LEC, 18:00-18:50 T, Wulling Hall 220, 18:00-18:50 T, Wulling Hall 220, 18:00-18:50 T, Wulling Hall 220, Partially Online; Molly Micheels ; 1 cr.
55678 015 LEC, 18:00-18:50 T, Smith Hall 121, 18:00-18:50 T, Smith Hall 121, 18:00-18:50 T, Smith Hall 121, Partially Online; Molly Micheels ; 1 cr.
55679 016 LEC, 18:00-18:50 T, Bruininks Hall 420A, 18:00-18:50 T, Bruininks Hall 420A, 18:00-18:50 T, Bruininks Hall 420A, Partially Online; Molly Micheels ; 1 cr.
55680 017 LEC, 18:00-18:50 T, Folwell Hall 118, 18:00-18:50 T, Folwell Hall 118, 18:00-18:50 T, Folwell Hall 118, Partially Online; Molly Micheels ; 1 cr.
55681 018 LEC, 18:00-18:50 T, Kolthoff Hall 137, 18:00-18:50 T, Kolthoff Hall 137, 18:00-18:50 T, Kolthoff Hall 137, Partially Online; Molly Micheels ; 1 cr.
55682 019 LEC, 18:00-18:50 T, Kolthoff Hall 138, 18:00-18:50 T, Kolthoff Hall 138, 18:00-18:50 T, Kolthoff Hall 138, Partially Online; Molly Micheels ; 1 cr.
55683 020 LEC, 18:00-18:50 T, Kolthoff Hall 139, 18:00-18:50 T, Kolthoff Hall 139, 18:00-18:50 T, Kolthoff Hall 139, Partially Online; Molly Micheels ; 1 cr.
55684 021 LEC, 18:00-18:50 T, Amundson Hall 156, 18:00-18:50 T, Amundson Hall 156, 18:00-18:50 T, Amundson Hall 156, Partially Online; Molly Micheels ; 1 cr.
55685 022 LEC, 18:00-18:50 T, Bruininks Hall 121, 18:00-18:50 T, Bruininks Hall 121, 18:00-18:50 T, Bruininks Hall 121, Partially Online; Molly Micheels ; 1 cr.
55686 023 LEC, 18:00-18:50 T, Folwell Hall 32, 18:00-18:50 T, Folwell Hall 32, 18:00-18:50 T, Folwell Hall 32, Partially Online; Molly Micheels ; 1 cr.
55687 024 LEC, 18:00-18:50 T, Kolthoff Hall 140, 18:00-18:50 T, Kolthoff Hall 140, 18:00-18:50 T, Kolthoff Hall 140, Partially Online; Molly Micheels ; 1 cr.
55688 025 LEC, 18:00-18:50 T, Bruininks Hall 144, 18:00-18:50 T, Bruininks Hall 144, 18:00-18:50 T, Bruininks Hall 144, Partially Online; Molly Micheels ; 1 cr.
55689 026 LEC, 18:00-18:50 T, Bruininks Hall 117, 18:00-18:50 T, Bruininks Hall 117, 18:00-18:50 T, Bruininks Hall 117, Partially Online; Molly Micheels ; 1 cr.
55690 027 LEC, 18:00-18:50 T, Vincent Hall 206, 18:00-18:50 T, Vincent Hall 206, 18:00-18:50 T, Vincent Hall 206, Partially Online; Molly Micheels ; 1 cr.
55691 028 LEC, 18:00-18:50 T, Vincent Hall 207, 18:00-18:50 T, Vincent Hall 207, 18:00-18:50 T, Vincent Hall 207, Partially Online; Molly Micheels ; 1 cr.
55692 029 LEC, 18:00-18:50 T, Akerman Hall 327, 18:00-18:50 T, Akerman Hall 327, 18:00-18:50 T, Akerman Hall 327, Partially Online; Molly Micheels ; 1 cr.
55693 030 LEC, 18:00-18:50 T, Folwell Hall 18, 18:00-18:50 T, Folwell Hall 18, 18:00-18:50 T, Folwell Hall 18, Partially Online; Molly Micheels ; 1 cr.
55694 031 LEC, 18:00-18:50 T, Tate Hall B55, 18:00-18:50 T, Tate Hall B55, 18:00-18:50 T, Tate Hall B55, Partially Online; Molly Micheels ; 1 cr.

55808 143 LEC, 11:00-11:50 Sa, Folwell Hall 4, 11:00-11:50 Sa, Folwell Hall 4, 11:00-11:50 Sa, Folwell Hall 4, Partially Online; Molly Micheels ; 1 cr.
 67376 145 LEC, Completely Online; Molly Micheels ; 1 cr.
 67814 144 LEC, Completely Online; Molly Micheels ; 1 cr.
 68685 151 LEC, 14:30-15:20 T, Appleby Hall 11, In Person; 1 cr.
 68686 152 LEC, 14:30-15:20 W, Ford Hall 115, In Person; 1 cr.
 68687 153 LEC, 11:05-11:55 Th, Twin Cities Remote, Completely Online; 1 cr.
 68688 154 LEC, Completely Online; 1 cr.

1007 CLA First-Year Experience: Independent Study

(S-N only;)
 54095 001 IND, Completely Online; Amy Palmer ; 1 cr.

1052 Dean's First-Year Research and Creative Scholars Program
 (Student Option; Prereq-Only available to CLA freshmen receiving a CLA Research Opportunity.)
 53259 001 IND, Independent/Directed Study; 2-3 cr.

1202 BA MD Medical Education Seminar II
 (Student Option No Audit;)
 54332 001 LEC, 15:35-16:25 M, Bruininks Hall 119, In Person; Andrew Slattengren, Renee Crichlow ; 1 cr.

2005 Introduction to Liberal Education and Responsible Citizenship
 (S-N only; Prereq: [CLA 1005], CLA Presidents Emerging Scholars, freshman)

54392 001 DIS, 14:30-15:45 W, Appleby Hall 128, In Person; Sonya Castillo ; 1 cr.
 54393 002 DIS, 14:30-15:45 W, Appleby Hall 204, In Person; Fadumo Haji-Aweis ; 1 cr.
 54394 003 DIS, 14:30-15:45 W, Appleby Hall 226, In Person; Quinn Nelson ; 1 cr.
 54395 004 DIS, 14:30-15:45 W, Appleby Hall 11, In Person; Madyson Sklar ; 1 cr.
 54396 005 DIS, 14:30-15:45 W, Appleby Hall 3, In Person; Omar Diaz ; 1 cr.
 54397 006 DIS, 14:30-15:45 W, Appleby Hall 303, In Person; Kelly Thomas ; 1 cr.
 54398 007 DIS, 14:30-15:45 W, Appleby Hall 219, In Person; Jontue Austin ; 1 cr.
 54399 008 DIS, 14:30-15:45 W, Appleby Hall 302, In Person; Marlin Farley ; 1 cr.
 54400 009 DIS, 14:30-15:45 W, Bruininks Hall 144, In Person; Claire Hilgeman ; 1 cr.

2202 BA/MD Medical Education Seminar IV
 (Student Option No Audit;)
 54933 001 LEC, 15:35-16:25 M, Bruininks Hall 123, In Person; Renee Crichlow, Andrew Slattengren ; 1 cr.

3001 CLA Transfer Semester Experience
 (S-N only; Prereq: Must be a new CLA transfer student in their first semester on the UMTC campus.)
 68225 001 LEC, In Person; Katy Putzker ; 1 cr.

3002 Career Kickstarter: Finding Internships and Other Career-Related Experiences
 (Student Option No Audit;)

55378 001 DIS, Completely Online; 1 cr.
 55379 002 DIS, 14:30-15:20 W, Ford Hall 150, In Person; Abby Trout ; 1 cr.
 55380 007 DIS, Completely Online; 1 cr.
 55518 003 DIS, Completely Online; Abby Trout ; 1 cr.
 65882 004 DIS, Completely Online; Abby Hagel ; 1 cr.
 65883 009 DIS, Completely Online; Clarissa Goldsmith, Max Cordes Galbraith (he/they) ; 1 cr.
 67238 005 DIS, Completely Online; Max Cordes Galbraith (he/they), Clarissa Goldsmith ; 1 cr.

3201 Career Planning: Preparing for Your Post-Graduation Plans
 (Student Option No Audit;)

55381 001 DIS, Completely Online; Ana Eliason ; 1 cr.
 55382 002 DIS, 10:10-11:00 W, Appleby Hall 11, In Person; Chelsea Ochoa ; 1 cr.
 55383 003 DIS, Completely Online; Beth Lory ; 1 cr.

3896 Internship Reflection: Making Meaning of Your Experience
 (Student Option; Prereq: dept consent)

55386 001 DIS, Completely Online; Char Myers ; 1 cr.

3901 Community Engagement Scholars Program Integrative Capstone Seminar
 (A-F only; Prereq: Departmental Consent based on program requirements completed or plan for completion determined with program staff.)

63484 001 DIS, 15:00-16:45 M, Ford Hall 155, In Person; Jessica Proskin, Laurel Hirt ; 1 cr.
 63485 003 DIS, 17:00-18:45 W, Ford Hall 155, In Person; Jessica Proskin, Laurel Hirt ; 1 cr.
 63486 004 DIS, 09:00-10:30 F, Ford Hall 155, In Person; Jessica Proskin, Laurel Hirt ; 1 cr.

3993 Directed Study for Community Engagement

(A-F only; Prereq: instr consent, dept consent, college consent.)
 63554 001 DIS, In Person; Laurel Hirt, Monica McKay ; 1-4 cr.
 63599 002 DIS, In Person; Laurel Hirt, Monica McKay ; 1-4 cr.

Communication Studies (COMM)

1101 Introduction to Public Speaking
 (Student Option; CIV)

52611 002 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; 3 cr.
 52612 004 LEC, 18:00-21:00 T, Twin Cities Remote, Completely Online; 3 cr.
 52613 005 LEC, 08:15-09:30 TTh, Akerman Hall 215, In Person; 3 cr.
 52614 006 LEC, 08:15-09:30 MW, Ford Hall B53, In Person; 3 cr.
 52615 007 LEC, 09:45-11:00 TTh, Blegen Hall 125, In Person; 3 cr.
 52616 008 LEC, 09:45-11:00 TTh, Ford Hall B10, In Person; 3 cr.
 52618 010 LEC, 09:45-11:00 MW, Ford Hall 127, In Person; 3 cr.
 52620 012 LEC, 09:45-11:00 MW, Ford Hall B15, In Person; 3 cr.
 52621 013 LEC, 11:15-12:30 TTh, Ford Hall B53, In Person; 3 cr.
 52622 014 LEC, 11:15-12:30 TTh, Nicholson Hall 120, In Person; 3 cr.
 52623 015 LEC, 11:15-12:30 MW, Ford Hall 127, In Person; 3 cr.
 52624 016 LEC, 11:15-12:30 MW, Ford Hall B80, In Person; 3 cr.
 52625 017 LEC, 13:00-14:15 TTh, Blegen Hall 260, In Person; 3 cr.
 52983 019 LEC, 13:00-14:15 TTh, ONLINE BLENDED, 13:00-14:15 TTh, Ford Hall 115, Partially Online; Liora Elias ; 3 cr.
 53045 021 LEC, 13:00-14:15 MW, Ford Hall B53, In Person; 3 cr.
 53046 023 LEC, 14:30-15:45 MW, Ford Hall B29, In Person; 3 cr.
 53047 020 LEC, 13:00-14:15 MW, Ford Hall 127, In Person; 3 cr.
 53048 024 LEC, 16:00-17:15 TTh, ONLINE BLENDED, 16:00-17:15 TTh, Ford Hall B53, Partially Online; Liora Elias ; 3 cr.
 53265 018 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; 3 cr.
 54300 001 LEC, 08:15-09:30 TTh, Twin Cities Remote, Completely Online; 3 cr.
 54301 003 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; 3 cr.
 54346 022 LEC, 14:30-15:45 TTh, ONLINE BLENDED, 14:30-15:45 TTh, Ford Hall B10, Partially Online; Liora Elias ; 3 cr.

1101H Honors: Introduction to Public Speaking
 (A-F only; Prereq: HonorsCIV)

53304 001 LEC, 09:45-11:00 TTh, Ford Hall 155, In Person; John Nordin ; 3 cr.

1313W Analysis of Argument
 (Student Option; WI)

52626 006 LEC, 09:45-11:00 TTh, Ford Hall 151, In Person; Vanessa Nyarko ; 3 cr.
 52627 002 LEC, 09:45-11:00 MW, Twin Cities Remote, Completely Online; Allison Brenneise ; 3 cr.
 52628 003 LEC, 11:15-12:30 MW, Ford Hall B29, In Person; Jeffrey VanCleave ; 3 cr.
 52629 004 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Allison Brenneise ; 3 cr.
 52630 005 LEC, 14:30-15:45 MW, Ford Hall B53, In Person; Jeffrey VanCleave ; 3 cr.
 52631 007 LEC, 11:15-12:30 TTh, Ford Hall B80, In Person; Jeremy Rose ; 3 cr.
 52761 008 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Allison Brenneise ; 3 cr.

52984 009 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Sylvia Vue ; 3 cr.
 53215 010 LEC, 13:00-14:15 TTh, Molecular Cellular Biol 2-122, In Person; Austin Fleming ; 3 cr.
 54257 001 LEC, Completely Online; Allison Brenneise, Kristen Einertson ; 3 cr.

3110 Topics in Communication Studies
 (Student Option;)

67666 001 LEC, 16:00-17:15 MW, Akerman Hall 227, In Person; David Cram Helwich ; 3 cr.

3201 Introduction to Electronic Media Production

(A-F or Audit;)
 52633 002 LAB, 13:25-15:20 W, Rarig Center Studio E, 13:25-15:20 M, Ford Hall 115, In Person; Lisa Hutchinson ; 4 cr.
 52985 004 LAB, 10:10-12:05 Th, Ford Hall 150, 10:10-12:05 T, Rarig Center Studio E, In Person; Dawn Schot Klotzbach ; 4 cr.
 53162 005 LAB, 10:10-12:05 W, Ford Hall 115, 10:10-12:05 M, Rarig Center Studio E, In Person; Lisa Hutchinson ; 4 cr.
 53266 003 LAB, 10:10-12:05 Th, Rarig Center Studio E, 10:10-12:05 T, Ford Hall 170, In Person; Lisa Hutchinson ; 4 cr.

3204 Advanced Electronic Media Production

(A-F or Audit; Prereq: 3201 or instr consent)
 53160 001 LAB, 13:25-15:20 TTh, Rarig Center Studio C, In Person; Dawn Schot Klotzbach ; 4 cr.

3211 Introduction to Media Studies
 (Student Option;)

52634 001 LEC, 14:30-15:45 MW, Nicholson Hall 155, In Person; Heidi Zimmerman ; 3 cr.

3263W Media Literacy: Decoding Media Images and Messages

(Student Option; WI)
 53168 001 LEC, Completely Online; Kevin Liu ; 3 cr.
 53185 002 LEC, 11:15-12:30 MW, Ford Hall B53, In Person; Caroline Bayne ; 3 cr.
 53188 003 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Bree Trisler ; 3 cr.
 53189 004 LEC, 18:00-21:00 W, Twin Cities Remote, Completely Online; Kristin Fitzsimmons ; 3 cr.

3341 Asian American Images
 (Student Option; AH,DSJ)

54201 001 DIS, 17:30-20:00 M, Ford Hall 155, In Person; Meets With: 001 AAS 3341; John Matsunaga ; 3 cr.

3401 Introduction to Communication Theory

(Student Option;)
 53205 301 LEC, Completely Online; Stephanie Galarneault ; 3 cr.
 53848 001 LEC, 14:30-15:45 TTh, Nicholson Hall 275, In Person; Carly Byrnes ; 3 cr.

3402 Introduction to Interpersonal Communication

(Student Option;)
 54244 001 LEC, 09:45-11:00 MW, Bruininks Hall 131A, In Person; Deborah Yoon ; 3 cr.

3409 Nonverbal Communication
 (Student Option; SOCS)

54667 001 LEC, 11:15-12:30 TTh, Ford Hall B15, In Person; Amy Joyer ; 3 cr.

3411 Introduction to Small Group Communication

(Student Option;)
 52635 001 LEC, Completely Online; Nan Gesche ; 3 cr.
 52636 002 LEC, 11:15-12:30 MW, Tate Hall B45, In Person; Nan Gesche ; 3 cr.
 52637 003 LEC, Completely Online; Nan Gesche ; 3 cr.
 52638 005 LEC, 11:15-12:30 TTh, Ford Hall B29, In Person; Andrea Shada ; 3 cr.
 52639 006 LEC, 13:00-14:15 TTh, Ford Hall B10, In Person; Stephanie Galarneault ; 3 cr.

3422 Interviewing and Communication
 (A-F or Audit;)

52640 001 LEC, 09:45-11:00 TTh, Ford Hall B53, In Person; Andrea Shada ; 3 cr.
 52641 002 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Diane Odash ; 3 cr.
 52986 003 LEC, 13:00-14:15 TTh, Ford Hall B29, In Person; Andrea Shada ; 3 cr.

Commun Engage Scholars Program (CESP)

53831 004 LEC, 11:15-12:30 MW, Twin Cities Remote, Completely Online; Diane Odash ; 3 cr.

3431 Persuasion Theories

(Student Option; Prereq: Soph recommended)
54100 001 LEC, 09:45-11:00 TTh, Ford Hall 115, In Person; Jeremy Rose ; 3 cr.

3441 Introduction to Organizational Communication

(Student Option;)
54101 001 LEC, 13:00-14:15 MW, 10 Church Street SE 100, In Person; Kate Lockwood Harris ; 3 cr.

3601 Introduction to Rhetorical Theory

(Student Option;)
52642 001 LEC, 09:45-11:00 WF, Anderson Hall 370, In Person; Ronald Greene ; 3 cr.

3605W Persuasive Speaking and Speech Writing

(Student Option; Prereq: 1101, sophWI)
53697 001 LEC, 09:45-11:00 MW, Ford Hall B29, In Person; Sean Quartz ; 3 cr.

3614 Advanced Public Policy and Debate

(A-F only;)
54216 001 DIS, 18:00-21:00 W, Lind Hall L130, In Person; David Cram Helwich ; 3 cr.

3615W Argumentation

(Student Option; WI)
67271 001 LEC, 13:00-14:15 MW, Ford Hall B15, In Person; Ronald Greene ; 3 cr.

3625W Communication Ethics

(A-F or Audit; WI)
54302 001 LEC, 08:15-09:30 TTh, Appleby Hall 102, In Person; Wendy Anderson ; 3 cr.

3631 Freedom of Speech

(Student Option; CIV)
53559 001 LEC, 14:30-15:45 TTh, Ford Hall B53, In Person; Gilbert Rodman ; 3 cr.

3635W Famous Speeches

(A-F only; WI)
55141 001 LEC, 13:00-14:15 MW, Bruininks Hall 123, In Person; Monica Evans ; 3 cr.

3645W How Pictures Persuade

(A-F only; WI)
54404 001 LEC, 13:00-14:15 TTh, Ford Hall B53, In Person; Jack Lassiter ; 3 cr.

3676W Communicating Terrorism

(Student Option; GP,WI)
67272 001 LEC, 14:30-15:45 MW, Ford Hall B15, In Person; Ronald Greene ; 3 cr.

3896 Internship for Academic Credit

(Student Option;)
54444 001 IND, In Person; Andrea Shada ; 1-4 cr.

3993 Directed Study

(Student Option;)
54669 001 IND, In Person; 1-3 cr.

3994 Directed Research

(Student Option;)
52677 001 FWK, 00:00-00:00 , , In Person; 1-3 cr.

3996 Directed Instruction

(S-N or Audit;)
52643 001 FWK, 00:00-00:00 , , In Person; 3 cr.

3999W Capstone Project

(S-N only; Prerequisites: COMM major; instructor consentWI)
52650 001 IND, In Person; Dawn Schot Klotzbach ; 1 cr.
53883 002 IND, 00:00-00:00 , , In Person; Mark Pedelty ; 1 cr.
53884 003 IND, 00:00-00:00 , , In Person; Susanne Jones ; 1 cr.
53885 004 IND, In Person; Elaine Hsieh ; 1 cr.
53886 006 IND, 00:00-00:00 , , In Person; Jeremy Rose ; 1 cr.
54828 008 IND, In Person; Zornitsa Keremidchieva ; 1 cr.
55899 005 IND, In Person; Gilbert Rodman ; 1 cr.

4204 Producing for Television: Theory and Practice

(Student Option; Prereq: 3201, 3204)
54611 001 FWK, 14:30-16:15 MW, Rarig Center Studio C, In Person; Dawn Schot Klotzbach ; 4 cr.

4251 Environmental Communication

(A-F only; ENV)
54608 001 DIS, Completely Online; Mark Pedelty ; 3 cr.

4461 Prosocial Communication and Health

(A-F or Audit;)
54897 001 LEC, 09:45-11:00 MW, Ford Hall B53, In Person; Susanne Jones ; 3 cr.

5110 Special Topics in Communication

Theory
(Student Option;)
67667 001 LEC, 13:00-14:15 MW, Ford Hall B29, In Person; Elaine Hsieh ; 3 cr.

5221 Media, Race, and Identity

(Student Option; Prereq: 3211 or instr consent)
55600 001 LEC, 11:15-12:30 TTh, Ford Hall B10, In Person; Gilbert Rodman ; 3 cr.

5441 Communication in Human Organizations

(Student Option;)
52987 001 LEC, 17:30-20:30 T, Twin Cities Remote, Completely Online; Jeremy Rose ; 3 cr.

5617 History and Criticism of U.S. Public Discourse: 1630-1865

(Student Option; Prereq: Jr)
67426 001 LEC, 11:15-12:30 TTh, Nicholson Hall 110, In Person; Zornitsa Keremidchieva ; 3 cr.

5970 Zornitsa Keremidchieva

(Student Option;)
52644 002 IND, 00:00-00:00 , , In Person; 1-3 cr.

Comparative & Molecular Biosci (CMB)

5303 Comparative Models of Disease

(A-F only;)
45435 001 DIS, In Person; 2 cr.

5571 Pathogenomics and Molecular Epidemiology - Learning to Fly

(A-F only;)
45437 001 LEC, 13:30-15:00 MW, Veterinary Science 215, In Person; Meets With: 001 CMB 8571; Tim Johnson, Yinduo Ji ; 3 cr.

5594 Directed Research in Comparative and Molecular Biosciences

(Student Option; Prereq: Jr, instr consent)
45271 001 LAB, 00:00-00:00 , , In Person; Kent Reed ; 1-4 cr.

5910 Grantwriting: What Makes a Winning Proposal?

(Student Option;)
45304 001 LEC, 15:00-16:30 M, Veterinary Science 215, In Person; Meets With: 001 VMED 5910; Mark Rutherford ; 2 cr.

Comparative Literature (CL)

Computer Science (CSCI)

1113 Introduction to C/C++ Programming for Scientists and Engineers

(Student Option; Prereq: Math 1271 or Math 1371 or Math 1571H or instr consent)
57893 001 LEC, 11:15-12:05 MWF, Keller Hall 3-210, In Person; Timothy Wrenn ; 4 cr.
57894 003 LAB, 14:30-17:30 W, Walter Library B28, In Person; Timothy Wrenn ; 4 cr.
57895 004 LAB, 17:45-20:45 W, Walter Library 106, In Person; Timothy Wrenn ; 4 cr.
57896 006 LAB, 11:15-14:15 Th, Walter Library B28, In Person; Timothy Wrenn ; 4 cr.
57897 005 LAB, 08:00-11:00 Th, Walter Library B28, In Person; Timothy Wrenn ; 4 cr.
57898 007 LAB, 14:30-17:30 Th, Walter Library B28, In Person; Timothy Wrenn ; 4 cr.
58831 002 LAB, 14:30-17:30 W, Walter Library 106, In Person; Timothy Wrenn ; 4 cr.
59282 011 LAB, 17:45-20:45 W, Walter Library B28, In Person; Timothy Wrenn ; 4 cr.

59480 012 LAB, 17:45-20:45 Th, Walter Library B28, In Person; Timothy Wrenn ; 4 cr.
59505 013 LAB, 08:00-11:00 F, Walter Library B28, In Person; Timothy Wrenn ; 4 cr.
59546 010 LEC, 15:35-16:25 MWF, Akerman Hall 319, In Person; Timothy Wrenn ; 4 cr.

1115 Exploring Computer Science Exercises in C++

(S-N only;)
60198 001 LEC, 18:00-20:00 M, Bruininks Hall 412, In Person; Timothy Wrenn ; 1 cr.

1133 Introduction to Computing and Programming Concepts

(Student Option; 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)
59445 001 LEC, 10:10-11:00 MWF, Keller Hall 3-210, In Person; Nathan Taylor ; 4 cr.
59446 002 LAB, 08:00-09:55 Th, Keller Hall 1-262, In Person; Nathan Taylor ; 4 cr.
59447 003 LAB, 10:10-12:05 Th, Keller Hall 1-262, In Person; Nathan Taylor ; 4 cr.
59448 004 LAB, 12:20-14:15 Th, Keller Hall 1-262, In Person; Nathan Taylor ; 4 cr.
59449 005 LAB, 14:30-16:25 Th, Keller Hall 1-262, In Person; Nathan Taylor ; 4 cr.
59492 010 LEC, 18:30-21:00 W, Tate Hall 101, In Person; Samuel Fountain ; 4 cr.
59493 011 LAB, 16:40-18:35 Th, Walter Library 106, In Person; Samuel Fountain ; 4 cr.
59494 012 LAB, 18:50-20:45 Th, Walter Library 106, In Person; Samuel Fountain ; 4 cr.
59524 013 LAB, 10:10-12:05 F, Walter Library 106, In Person; Samuel Fountain ; 4 cr.
59656 022 LAB, 10:10-12:05 Th, Keller Hall 1-250, In Person; Andrew Exley ; 4 cr.
59657 023 LAB, 12:20-14:15 Th, Keller Hall 1-250, In Person; Andrew Exley ; 4 cr.
59658 024 LAB, 14:30-16:25 Th, Keller Hall 1-250, In Person; Andrew Exley ; 4 cr.
59675 021 LAB, 08:00-09:55 Th, Keller Hall 1-250, In Person; Andrew Exley ; 4 cr.
59676 020 LEC, 10:10-11:00 MWF, Rapson Hall 100, In Person; Andrew Exley ; 4 cr.
59718 006 LAB, 16:40-18:35 Th, Keller Hall 1-262, In Person; Nathan Taylor ; 4 cr.
59730 025 LAB, 16:40-18:35 Th, Keller Hall 1-250, In Person; Andrew Exley ; 4 cr.
59852 007 LAB, 18:50-20:45 Th, Keller Hall 1-262, In Person; Nathan Taylor ; 4 cr.
59999 026 LAB, 18:50-20:45 Th, Keller Hall 1-250, In Person; Andrew Exley ; 4 cr.
60062 030 LEC, 15:35-16:25 MWF, Tate Hall 105, In Person; Samuel Fountain ; 4 cr.
60063 031 LAB, 08:00-09:55 Th, Walter Library 106, In Person; Samuel Fountain ; 4 cr.
60064 032 LAB, 10:10-12:05 Th, Walter Library 106, In Person; Samuel Fountain ; 4 cr.
60294 040 LEC, 12:20-13:10 MWF, Lind Hall L125, In Person; Libby Ferland ; 4 cr.
60295 041 LAB, 13:25-15:20 W, Keller Hall 1-262, In Person; Libby Ferland ; 4 cr.
60296 042 LAB, 15:35-17:30 W, Keller Hall 1-262, In Person; Libby Ferland ; 4 cr.
60297 050 LEC, 12:20-13:10 MWF, Lind Hall L120, In Person; Nabil Khan ; 4 cr.
60298 051 LAB, 15:35-17:30 W, Keller Hall 1-250, In Person; Nabil Khan ; 4 cr.
60299 052 LAB, 17:45-19:40 W, Keller Hall 1-250, In Person; Nabil Khan ; 4 cr.
60401 008 LAB, 08:00-09:55 F, Twin Cities Remote, Completely Online; Nathan Taylor ; 4 cr.
66327 014 LAB, 12:20-14:15 F, Walter Library 106, In Person; Samuel Fountain ; 4 cr.
66328 033 LAB, 12:20-14:15 Th, Walter Library 106, In Person; Samuel Fountain ; 4 cr.
66329 034 LAB, 14:30-16:25 Th, Walter Library 106, In Person; Samuel Fountain ; 4 cr.

1135 Exploring Computer Science Exercises in Python

(S-N only;)
60197 001 LEC, 18:00-20:00 T, Bruininks Hall 312, In Person; Nathan Taylor ; 1 cr.

1913 Introduction to Algorithms, Data Structures, and Program Development

(Student Option; Prereq: (EE major and EE 1301) or (CmpE major and EE 1301) or 1103 or 1113 or instr consent)

59443 001 LEC, 14:30-15:20 MWF, Bruininks Hall 220, In Person; Daniel Kluber ; 4 cr.
 59444 003 LAB, 14:30-16:25 T, Walter Library 106, In Person; Daniel Kluber ; 4 cr.
 59506 004 LAB, 16:40-18:35 T, Walter Library 106, In Person; Daniel Kluber ; 4 cr.
 59564 005 LAB, 16:40-18:35 T, Lind Hall L122, In Person; Daniel Kluber ; 4 cr.
 59567 006 LAB, 08:00-09:55 W, Walter Library 106, In Person; Daniel Kluber ; 4 cr.
 59644 007 LAB, 10:10-12:05 W, Walter Library 106, In Person; Daniel Kluber ; 4 cr.
 59659 002 LAB, 12:20-14:15 T, Walter Library 106, In Person; Daniel Kluber ; 4 cr.
 59853 008 LAB, 12:20-14:15 W, Walter Library 106, In Person; Daniel Kluber ; 4 cr.

1933 Introduction to Algorithms and Data Structures

(Student Option; Prereq: 1133 or instr consent)

59495 001 LEC, 14:30-15:20 MWF, 10 Church Street SE 100, In Person; Meets With: 001 CSCI 1933H; Chris Dovolis ; 4 cr.
 59496 002 LAB, 08:00-09:55 T, Keller Hall 1-262, In Person; Chris Dovolis ; 4 cr.
 59497 003 LAB, 10:10-12:05 T, Keller Hall 1-262, In Person; Chris Dovolis ; 4 cr.
 59498 004 LAB, 12:20-14:15 T, Walter Library B28, In Person; Chris Dovolis ; 4 cr.
 59499 005 LAB, 14:30-16:25 T, Keller Hall 1-262, In Person; Chris Dovolis ; 4 cr.
 59500 006 LAB, 08:00-09:55 W, Keller Hall 1-262, In Person; Chris Dovolis ; 4 cr.
 59507 010 LEC, 18:30-21:00 Th, Keller Hall 3-210, In Person; Chris Dovolis ; 4 cr.
 59508 011 LAB, 16:40-18:35 M, Keller Hall 1-262, In Person; Chris Dovolis ; 4 cr.
 59509 012 LAB, 18:50-20:45 M, Keller Hall 1-262, In Person; Chris Dovolis ; 4 cr.
 60172 007 LAB, 10:10-12:05 W, Keller Hall 1-262, In Person; Chris Dovolis ; 4 cr.
 60184 013 LAB, 16:40-18:35 T, Keller Hall 1-262, In Person; Chris Dovolis ; 4 cr.
 66330 020 LEC, 11:15-12:05 MWF, Smith Hall 231, In Person; James Moen ; 4 cr.
 66331 021 LAB, 12:20-14:15 M, Keller Hall 1-262, In Person; James Moen ; 4 cr.
 66332 022 LAB, 14:30-16:25 M, Walter Library B28, In Person; James Moen ; 4 cr.
 66333 023 LAB, 16:40-18:35 M, Walter Library B28, In Person; James Moen ; 4 cr.
 66334 024 LAB, 18:50-20:45 M, Walter Library B28, In Person; James Moen ; 4 cr.

1933H Honors Introduction to Algorithms and Data Structures

(A-F only; Prereq: [1133 or 1133H] and honors student, or instr consent)

59716 001 LEC, 14:30-15:20 MWF, 10 Church Street SE 100, In Person; Meets With: 001 CSCI 1933; Chris Dovolis ; 4 cr.
 59720 002 LAB, 12:20-14:15 T, Keller Hall 1-262, In Person; Chris Dovolis ; 4 cr.

1935 Exploring Algorithms and Data Structures

(S-N only;)

68576 001 LEC, 18:00-20:00 T, Bruininks Hall 412, In Person; Shana Watters ; 1 cr.

2011 Discrete Structures of Computer Science

(Student Option; Prereq: MATH 1271 or MATH 1371 or instr consent)

57899 001 LEC, 09:05-09:55 MWF, Bruininks Hall 220, In Person; James Moen ; 4 cr.
 57900 002 DIS, 08:00-08:50 T, Akerman Hall 225, In Person; James Moen ; 4 cr.
 57901 003 DIS, 09:05-09:55 T, Amundson Hall 240, In Person; James Moen ; 4 cr.
 58902 004 DIS, 10:10-11:00 T, Rapson Hall 58, In Person; James Moen ; 4 cr.
 59328 005 DIS, 11:15-12:05 T, Keller Hall 3-115, In Person; James Moen ; 4 cr.
 59360 006 DIS, 12:20-13:10 T, Molecular Cellular Biol 2-120, In Person; James Moen ; 4 cr.
 59568 010 LEC, 18:30-21:00 Th, Tate Hall 101, In Person; Sebastiaan Joosten ; 4 cr.
 59569 011 DIS, 15:35-16:25 M, Amundson Hall 240, In Person; Sebastiaan Joosten ; 4 cr.
 59570 012 DIS, 16:40-17:30 M, Lind Hall L120, In Person; Sebastiaan Joosten ; 4 cr.
 59660 013 DIS, 17:45-18:35 M, Keller Hall 3-111, In Person; Sebastiaan Joosten ; 4 cr.

60000 020 LEC, 15:35-16:25 MWF, Amundson Hall B75, In Person; James Moen ; 4 cr.
 60001 021 DIS, 14:30-15:20 T, Amundson Hall 116, In Person; James Moen ; 4 cr.
 60004 022 DIS, 15:35-16:25 T, Molecular Cellular Biol 2-122, In Person; James Moen ; 4 cr.
 60005 023 DIS, 16:40-17:30 T, Lind Hall L120, In Person; James Moen ; 4 cr.
 66335 024 DIS, 17:45-18:35 T, Lind Hall L120, In Person; James Moen ; 4 cr.
 67822 014 DIS, 14:30-15:20 M, Lind Hall L122, In Person; Sebastiaan Joosten ; 4 cr.

2011H Honors Discrete Structures of Computer Science

(A-F only; Prereq: [MATH 1271 or MATH 1371 or MATH 1571H], honors student.)

59441 001 LEC, 14:30-15:45 TTh, Lind Hall L120, In Person; Nick Hopper ; 4 cr.
 59442 002 DIS, 15:35-16:25 W, Lind Hall L120, In Person; Nick Hopper ; 4 cr.

2021 Machine Architecture and Organization

(Student Option; Prereq: 1913 or 1933 or instr consent)

57902 001 LEC, 13:25-14:15 MWF, Molecular Cellular Biol 3-120, In Person; Christopher Kauffman ; 4 cr.
 57903 003 LAB, 09:05-09:55 W, Walter Library B28, In Person; Christopher Kauffman ; 4 cr.
 57904 004 LAB, 10:10-11:00 W, Walter Library B28, In Person; Christopher Kauffman ; 4 cr.
 58448 002 LAB, 08:00-08:50 W, Walter Library B28, In Person; Christopher Kauffman ; 4 cr.
 59536 010 LEC, 15:35-16:25 MWF, Bruininks Hall 330, In Person; Christopher Kauffman ; 4 cr.
 59578 012 LAB, 13:25-14:15 W, Keller Hall 1-250, In Person; Christopher Kauffman ; 4 cr.
 59579 013 LAB, 14:30-15:20 W, Keller Hall 1-250, In Person; Christopher Kauffman ; 4 cr.
 59661 005 LAB, 10:10-11:00 W, Keller Hall 1-250, In Person; Christopher Kauffman ; 4 cr.
 59854 006 LAB, 11:15-12:05 W, Walter Library B28, In Person; Christopher Kauffman ; 4 cr.
 60002 011 LAB, 13:25-14:15 W, Lind Hall L122, In Person; Christopher Kauffman ; 4 cr.
 60091 007 LAB, 11:15-12:05 W, Keller Hall 1-250, In Person; Christopher Kauffman ; 4 cr.
 60092 008 LAB, 12:20-13:10 W, Walter Library B28, In Person; Christopher Kauffman ; 4 cr.
 60308 009 LAB, 12:20-13:10 W, Keller Hall 1-250, In Person; Christopher Kauffman ; 4 cr.
 66336 020 LEC, 10:10-11:00 MWF, Smith Hall 331, In Person; Antonia Zhai ; 4 cr.
 66337 021 LAB, 14:30-15:20 T, Walter Library B28, In Person; Antonia Zhai ; 4 cr.
 66338 022 LAB, 15:35-16:25 T, Walter Library B28, In Person; Antonia Zhai ; 4 cr.
 66339 023 LAB, 16:40-17:30 T, Walter Library B28, In Person; Antonia Zhai ; 4 cr.
 66340 024 LAB, 17:45-18:35 T, Walter Library B28, In Person; Antonia Zhai ; 4 cr.
 67773 014 LAB, 14:30-15:20 W, Lind Hall L122, In Person; Christopher Kauffman ; 4 cr.

2033 Elementary Computational Linear Algebra

(Student Option; Prereq: [MATH 1271 or MATH 1371], [1113 or 1133 or knowledge of programming concepts])

59299 001 LEC, 10:10-11:00 MWF, Tate Hall B20, In Person; Ju Sun ; 4 cr.
 59300 002 DIS, 10:10-11:00 T, Amundson Hall 240, In Person; Ju Sun ; 4 cr.
 59301 003 DIS, 11:15-12:05 T, Amundson Hall 240, In Person; Ju Sun ; 4 cr.
 59302 004 DIS, 12:20-13:10 T, Amundson Hall 240, In Person; Ju Sun ; 4 cr.
 59593 013 DIS, 15:35-16:25 T, Molecular Cellular Biol 2-120, In Person; Carl Sturivant ; 4 cr.
 59594 011 DIS, 13:25-14:15 T, Amundson Hall 240, In Person; Carl Sturivant ; 4 cr.
 59595 012 DIS, 14:30-15:20 T, Keller Hall 3-115, In Person; Carl Sturivant ; 4 cr.
 59731 010 LEC, 13:25-14:15 MWF, Keller Hall 3-210, In Person; Carl Sturivant ; 4 cr.
 60094 005 DIS, 13:25-14:15 T, Vincent Hall 207, In Person; Ju Sun ; 4 cr.
 60309 014 DIS, 16:40-17:30 T, Keller Hall 3-115, In Person; Carl Sturivant ; 4 cr.
 66359 015 DIS, 17:45-18:35 T, Keller Hall 3-111, In Person; Carl Sturivant ; 4 cr.

2041 Advanced Programming Principles

(Student Option; Prereq: [1913 or 1933], 2011)

59511 001 LEC, 13:25-14:15 MWF, Bruininks Hall 230, In Person; F. Favonia ; 4 cr.

59512 002 LAB, 08:00-08:50 T, Keller Hall 1-250, In Person; F. Favonia ; 4 cr.
 59513 003 LAB, 09:05-09:55 T, Keller Hall 1-250, In Person; F. Favonia ; 4 cr.
 59514 004 LAB, 10:10-11:00 T, Keller Hall 1-250, In Person; F. Favonia ; 4 cr.
 59515 005 LAB, 11:15-12:05 T, Keller Hall 1-250, In Person; F. Favonia ; 4 cr.
 59516 006 LAB, 12:20-13:10 T, Keller Hall 1-250, In Person; F. Favonia ; 4 cr.
 59517 007 LAB, 13:25-14:15 T, Keller Hall 1-250, In Person; F. Favonia ; 4 cr.
 59662 010 LEC, 09:05-09:55 MWF, Tate Hall B20, In Person; F. Favonia ; 4 cr.
 59663 011 LAB, 08:00-08:50 T, Walter Library B28, In Person; F. Favonia ; 4 cr.
 59664 012 LAB, 09:05-09:55 T, Walter Library B28, In Person; F. Favonia ; 4 cr.
 59855 013 LAB, 10:10-11:00 T, Walter Library B28, In Person; F. Favonia ; 4 cr.
 60310 014 LAB, 11:15-12:05 T, Walter Library B28, In Person; F. Favonia ; 4 cr.
 66360 020 LEC, 14:30-15:20 MWF, Smith Hall 231, In Person; Sebastiaan Joosten ; 4 cr.
 66361 021 LAB, 14:30-15:20 T, Keller Hall 1-250, In Person; Sebastiaan Joosten ; 4 cr.
 66362 022 LAB, 15:35-16:25 T, Keller Hall 1-250, In Person; Sebastiaan Joosten ; 4 cr.
 66363 023 LAB, 16:40-17:30 T, Keller Hall 1-250, In Person; Sebastiaan Joosten ; 4 cr.
 68174 024 LAB, 17:45-18:35 T, Keller Hall 1-250, In Person; Sebastiaan Joosten ; 4 cr.

2081 Introduction to Software Development

(Student Option; Prereq: CSCI 1133 or CSCI 1133H)
 60311 001 LEC, 14:30-15:20 MW, Lind Hall 302, Partially Online; Dan Challou ; 4 cr.
 60312 002 LAB, 15:35-17:30 M, Walter Library 106, In Person; Dan Challou ; 4 cr.
 60313 003 LAB, 17:45-19:40 M, Walter Library 106, In Person; Dan Challou ; 4 cr.

2915 Teaching Methods in Computer Science

(S-N only;)

66364 001 LEC, 13:25-15:20 F, Lind Hall L122, In Person; Jacquelyn Burt, Phillip Barry ; 1 cr.

3041 Introduction to Discrete Structures and Algorithms

(Student Option; Prerequisite: CSci 2081, concurrent registration with CSci 2081 and upper class standing, or instructor permission.)

60320 001 LEC, 15:35-16:25 MWF, Akerman Hall 225, In Person; Nathan Taylor ; 4 cr.
 60321 002 DIS, 13:25-14:15 F, Akerman Hall 227, In Person; Nathan Taylor ; 4 cr.
 60322 003 DIS, 14:30-15:20 F, Akerman Hall 227, In Person; Nathan Taylor ; 4 cr.

3061 Introduction to Computer Systems

(Student Option; Prereq: CSci 2081 or instructor permission)

60323 001 LEC, 11:15-12:05 MWF, Lind Hall L130, In Person; Chris Dovolis ; 4 cr.
 60476 002 LAB, 11:15-12:05 T, Walter Library 106, In Person; Chris Dovolis ; 4 cr.

3081W Program Design and Development

(Student Option; Prereq: [2021, 2041]; CS upper div, CS grad, or dept. permissionW)

58388 001 LEC, 11:15-12:30 TTh, Amundson Hall B75, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 58389 002 LAB, 08:00-08:50 F, Keller Hall 1-250, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 58390 003 LAB, 09:05-09:55 F, Keller Hall 1-250, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 59283 004 LAB, 10:10-11:00 F, Keller Hall 1-250, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 59510 011 LAB, 10:10-11:00 F, Keller Hall 1-262, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 59525 010 LEC, 14:30-15:45 TTh, Smith Hall 100, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 59526 012 LAB, 11:15-12:05 F, Keller Hall 1-262, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 59719 013 LAB, 12:20-13:10 F, Keller Hall 1-262, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 60003 014 LAB, 13:25-14:15 F, Keller Hall 1-262, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 60324 005 LAB, 11:15-12:05 F, Keller Hall 1-250, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 60325 006 LAB, 12:20-13:10 F, Keller Hall 1-250, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.
 60326 015 LAB, 14:30-15:20 F, Keller Hall 1-262, In Person; Shonal Gangopadhyay, Ace Kaung ; 4 cr.

5302 Analysis of Numerical Algorithms
(Student Option; Prereq: 2031 or 2033 or instr consent)
57838 001 LEC, 16:00-17:15 MW, Bruininks Hall 432, In Person; Daniel Boley ; 3 cr.

5421 Advanced Algorithms and Data Structures
(Student Option; Prereq: 4041 or instr consent)
58333 001 LEC, 18:30-21:00 M, Keller Hall 3-210, In Person; Carl Sturttivant ; 3 cr.
58804 883 LEC, 18:30-21:00 M, Twin Cities Remote, Completely Online; Carl Sturttivant ; 3 cr.

5451 Introduction to Parallel Computing: Architectures, Algorithms, and Programming
(Student Option; Prereq: 4041 or instr consent)
59237 001 LEC, 14:30-15:45 TTh, Mechanical Engineering 212, In Person; Christopher Kauffman ; 3 cr.
59242 883 LEC, 14:30-15:45 TTh, Twin Cities Remote, Completely Online; Christopher Kauffman ; 3 cr.

5461 Functional Genomics, Systems Biology, and Bioinformatics
(Student Option; Prereq: 3003 or 4041 or instr consent)
59857 001 LEC, 11:15-12:30 TTh, Keller Hall 3-230, In Person; Chad Myers ; 3 cr.
59935 883 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Chad Myers ; 3 cr.

5512 Artificial Intelligence II
(Student Option; Prereq: [STAT 3021, 4041] or instr consent)
59315 001 LEC, 11:15-12:30 TTh, Mechanical Engineering 108, In Person; James Mooney ; 3 cr.
59345 883 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; James Mooney ; 3 cr.

5521 Machine Learning Fundamentals
(Student Option; Prereq: [2031 or 2033], STAT 3021, and knowledge of partial derivatives)
59577 001 LEC, 13:00-14:15 TTh, Tate Hall 101, In Person; Rui Kuang ; 3 cr.
66403 002 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Rui Kuang ; 3 cr.

5523 Introduction to Data Mining
(Student Option; Prereq: 4041 or equiv or instr consent)
59572 001 LEC, 14:30-15:45 MW, Keller Hall 3-210, In Person; Yao-Yi Chiang ; 3 cr.
59605 883 LEC, 14:30-15:34 MW, Twin Cities Remote, Completely Online; Yao-Yi Chiang ; 3 cr.

5525 Machine Learning: Analysis and Methods
(Student Option; Prereq: Grad student or instr consent)
60132 001 LEC, 16:00-17:15 TTh, Keller Hall 3-230, In Person; Nicholas Johnson ; 3 cr.
60143 883 LEC, 16:00-17:15 TTh, Twin Cities Remote, Completely Online; Nicholas Johnson ; 3 cr.

5541 Natural Language Processing
(Student Option; Prerequisite: CSCI 2041)
60462 001 LEC, 16:00-17:15 MW, Mechanical Engineering 108, In Person; Dongyeop Kang ; 3 cr.
60498 883 LEC, 16:00-17:15 MW, Twin Cities Remote, Completely Online; Dongyeop Kang ; 3 cr.

5551 Introduction to Intelligent Robotic Systems
(Student Option; Prereq: 2031 or 2033 or instr consent)
60007 001 LEC, 14:30-15:45 TTh, Keller Hall 3-230, In Person; Junaed Sattar ; 3 cr.
60030 883 LEC, 14:30-15:45 TTh, Twin Cities Remote, Completely Online; Junaed Sattar ; 3 cr.

5561 Computer Vision
(Student Option; Prereq: CSci 5511, 5521, or instructor consent.)
58004 001 LEC, 13:00-14:15 MW, Keller Hall 3-111, In Person; Volkan Isler ; 3 cr.
58806 883 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Volkan Isler ; 3 cr.

5607 Fundamentals of Computer Graphics 1
(Student Option; Prereq: concurrent registration is required (or allowed) in 2033, concurrent registration is required (or allowed) in 3081)
60086 001 LEC, 18:30-21:00 W, Mechanical Engineering 212, In Person; Victoria Interrante ; 3 cr.

60087 883 LEC, 18:30-21:00 W, Twin Cities Remote, Completely Online; Victoria Interrante ; 3 cr.

5609 Visualization
(Student Option; Prereq: [1913, 4041] or equiv or instr consent)
60336 001 LEC, 09:45-11:00 MW, Mechanical Engineering 212, In Person; Daniel Keefe ; 3 cr.

5708 Architecture and Implementation of Database Management Systems
(Student Option; Prereq: 4707 or 5707 or instr consent)
57846 001 LEC, 16:00-17:15 MW, Mechanical Engineering 212, In Person; Mohamed Mokbel ; 3 cr.
58837 883 LEC, 16:00-17:15 MW, Twin Cities Remote, Completely Online; Mohamed Mokbel ; 3 cr.

5801 Software Engineering I
(Student Option; Prereq: 2041 or instr consent)
59520 001 LEC, 13:00-14:15 MW, Bruininks Hall 330, In Person; Shana Watters ; 3 cr.
60025 002 LEC, 09:45-11:00 MW, Bruininks Hall 330, In Person; Shana Watters ; 3 cr.

5802 Software Engineering II
(Student Option; Prereq: 5801 or instr consent)
59181 001 LEC, 16:00-17:15 MW, Keller Hall 3-125, In Person; Sanjai Rayadurgam ; 3 cr.
59187 883 LEC, 16:00-17:15 MW, Twin Cities Remote, Completely Online; Sanjai Rayadurgam ; 3 cr.

5980 Special Topics in Computer Science
(Student Option; Prereq: instr consent; may be repeated for cr)
67672 001 LEC, 09:45-11:00 TTh, Lind Hall L122, In Person; Gianfranco Balbo ; 1-3 cr.
67919 002 LEC, 14:30-15:45 TTh, Rapson Hall 58, In Person; Karthik Desingh ; 1-3 cr.

5991 Independent Study
(Student Option; Prereq: instr consent; may be repeated for cr)
58092 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-3 cr.
58541 002 IND, 00:00-00:00 , , Independent/Directed Study; Daniel Boley ; 1-3 cr.
58542 003 IND, 00:00-00:00 , , Independent/Directed Study; Stevie Chancellor ; 1-3 cr.
58543 004 IND, 00:00-00:00 , , Independent/Directed Study; Abhishek Chandra ; 1-3 cr.
58544 005 IND, 00:00-00:00 , , Independent/Directed Study; Yao-Yi Chiang ; 1-3 cr.
58545 006 IND, 00:00-00:00 , , Independent/Directed Study; David Du ; 1-3 cr.
58546 007 IND, 00:00-00:00 , , Independent/Directed Study; F. Favonia ; 1-3 cr.
58547 008 IND, 00:00-00:00 , , Independent/Directed Study; Mattia Fazzini ; 1-3 cr.
58548 009 IND, 00:00-00:00 , , Independent/Directed Study; Maria Gini ; 1-3 cr.
58549 010 IND, 00:00-00:00 , , Independent/Directed Study; Stephen Guy ; 1-3 cr.
58550 011 IND, 00:00-00:00 , , Independent/Directed Study; Mats Heimdahl ; 1-3 cr.
58551 012 IND, 00:00-00:00 , , Independent/Directed Study; Nick Hopper ; 1-3 cr.
58552 013 IND, 00:00-00:00 , , Independent/Directed Study; Victoria Interrante ; 1-3 cr.
58553 014 IND, 00:00-00:00 , , Independent/Directed Study; Volkan Isler ; 1-3 cr.
58554 015 IND, 00:00-00:00 , , Independent/Directed Study; Ravi Janardan ; 1-3 cr.
58555 016 IND, 00:00-00:00 , , Independent/Directed Study; George Karypis ; 1-3 cr.
58556 017 IND, 00:00-00:00 , , Independent/Directed Study; Daniel Keefe ; 1-3 cr.
58557 018 IND, 00:00-00:00 , , Independent/Directed Study; Dan Knights ; 1-3 cr.
58558 019 IND, 00:00-00:00 , , Independent/Directed Study; Joseph Konstan ; 1-3 cr.
58559 020 IND, 00:00-00:00 , , Independent/Directed Study; Rui Kuang ; 1-3 cr.
58560 021 IND, 00:00-00:00 , , Independent/Directed Study; Vipin Kumar ; 1-3 cr.
58561 022 IND, 00:00-00:00 , , Independent/Directed Study; Kangjie Lu ; 1-3 cr.
58562 023 IND, 00:00-00:00 , , Independent/Directed Study; Stephen McCamant ; 1-3 cr.
58563 024 IND, 00:00-00:00 , , Independent/Directed Study; Mohamed Mokbel ; 1-3 cr.
58564 025 IND, 00:00-00:00 , , Independent/Directed Study; Chad Myers ; 1-3 cr.
58565 026 IND, 00:00-00:00 , , Independent/Directed Study; Gopalan Nadathur ; 1-3 cr.
58566 027 IND, 00:00-00:00 , , Independent/Directed Study; Nikolaos Papanikolopoulos ; 1-3 cr.

58567 028 IND, 00:00-00:00 , , Independent/Directed Study; Hyun Soo Park ; 1-3 cr.
58568 029 IND, 00:00-00:00 , , Independent/Directed Study; Feng Qian ; 1-3 cr.
58569 030 IND, 00:00-00:00 , , Independent/Directed Study; Yousef Saad ; 1-3 cr.
58570 031 IND, 00:00-00:00 , , Independent/Directed Study; Junaed Sattar ; 1-3 cr.
58571 032 IND, 00:00-00:00 , , Independent/Directed Study; Paul Schrater ; 1-3 cr.
58572 033 IND, 00:00-00:00 , , Independent/Directed Study; Shashi Shekhar ; 1-3 cr.
58573 034 IND, 00:00-00:00 , , Independent/Directed Study; Jaideep Srivastava ; 1-3 cr.
58574 035 IND, 00:00-00:00 , , Independent/Directed Study; Evan Suma Rosenberg ; 1-3 cr.
58575 036 IND, 00:00-00:00 , , Independent/Directed Study; Ju Sun ; 1-3 cr.
58576 037 IND, 00:00-00:00 , , Independent/Directed Study; Loren Teeveen ; 1-3 cr.
58577 038 IND, 00:00-00:00 , , Independent/Directed Study; Anand Tripathi ; 1-3 cr.
58578 039 IND, 00:00-00:00 , , Independent/Directed Study; Eric Van Wyk ; 1-3 cr.
58579 040 IND, 00:00-00:00 , , Independent/Directed Study; Jon Weissman ; 1-3 cr.
58860 041 IND, 00:00-00:00 , , Independent/Directed Study; Lana Yarosh ; 1-3 cr.
58861 042 IND, 00:00-00:00 , , Independent/Directed Study; Pen-Chung Yew ; 1-3 cr.
58862 043 IND, 00:00-00:00 , , Independent/Directed Study; Antonia Zhai ; 1-3 cr.
59196 044 IND, 00:00-00:00 , , Independent/Directed Study; Zhi-Li Zhang ; 1-3 cr.
59553 045 IND, 00:00-00:00 , , In Person; Catherine Zhao ; 1-3 cr.
59638 046 IND, 00:00-00:00 , , In Person; Ali Anwar ; 1-3 cr.
59705 047 IND, In Person; Dongyeop Kang ; 1-3 cr.
68161 048 IND, In Person; Carl Sturttivant ; 1-3 cr.

5994 Directed Research
(Student Option; Prereq: instr consent; may be repeated for cr)
58093 001 IND, 00:00-00:00 , , In Person; 1-3 cr.
58580 002 IND, 00:00-00:00 , , In Person; Daniel Boley ; 1-3 cr.
58581 003 IND, 00:00-00:00 , , In Person; Stevie Chancellor ; 1-3 cr.
58582 004 IND, 00:00-00:00 , , In Person; Abhishek Chandra ; 1-3 cr.
58583 005 IND, 00:00-00:00 , , In Person; Yao-Yi Chiang ; 1-3 cr.
58584 006 IND, 00:00-00:00 , , In Person; David Du ; 1-3 cr.
58585 007 IND, 00:00-00:00 , , In Person; F. Favonia ; 1-3 cr.
58586 008 IND, 00:00-00:00 , , In Person; Mattia Fazzini ; 1-3 cr.
58587 009 IND, 00:00-00:00 , , In Person; Maria Gini ; 1-3 cr.
58588 010 IND, 00:00-00:00 , , In Person; Stephen Guy ; 1-3 cr.
58589 011 IND, 00:00-00:00 , , In Person; Mats Heimdahl ; 1-3 cr.
58590 012 IND, 00:00-00:00 , , In Person; Nick Hopper ; 1-3 cr.
58591 013 IND, 00:00-00:00 , , In Person; Victoria Interrante ; 1-3 cr.
58592 014 IND, 00:00-00:00 , , In Person; Volkan Isler ; 1-3 cr.
58593 015 IND, 00:00-00:00 , , In Person; Ravi Janardan ; 1-3 cr.
58594 016 IND, 00:00-00:00 , , In Person; George Karypis ; 1-3 cr.
58595 017 IND, 00:00-00:00 , , In Person; Daniel Keefe ; 1-3 cr.
58596 018 IND, 00:00-00:00 , , In Person; Dan Knights ; 1-3 cr.
58597 019 IND, 00:00-00:00 , , In Person; Joseph Konstan ; 1-3 cr.
58598 020 IND, 00:00-00:00 , , In Person; Rui Kuang ; 1-3 cr.
58599 021 IND, 00:00-00:00 , , In Person; Vipin Kumar ; 1-3 cr.
58600 022 IND, 00:00-00:00 , , In Person; Kangjie Lu ; 1-3 cr.
58601 023 IND, 00:00-00:00 , , In Person; Stephen McCamant ; 1-3 cr.
58602 024 IND, 00:00-00:00 , , In Person; Mohamed Mokbel ; 1-3 cr.
58603 025 IND, 00:00-00:00 , , In Person; Chad Myers ; 1-3 cr.
58604 026 IND, 00:00-00:00 , , In Person; Gopalan Nadathur ; 1-3 cr.
58605 027 IND, 00:00-00:00 , , In Person; Nikolaos Papanikolopoulos ; 1-3 cr.
58606 028 IND, 00:00-00:00 , , In Person; Hyun Soo Park ; 1-3 cr.
58607 029 IND, 00:00-00:00 , , In Person; Feng Qian ; 1-3 cr.
58608 030 IND, 00:00-00:00 , , In Person; Yousef Saad ; 1-3 cr.

**5118 Whole Person, Whole Community:
The Reciprocity of Wellbeing**

(Student Option No Audit;)
62310 001 LEC, Completely Online; Sara Nystuen ; 3 cr.

5201 Spirituality and Resilience

(Student Option; Prereq: Jr or Sr or Grad, or instructor consent)
62549 001 LEC, 16:00-18:30 W, Twin Cities Remote, 09:00-11:30 Sa, Twin Cities Remote, 09:00-11:30 Sa, Twin Cities Remote, 09:00-11:30 Sa, Twin Cities Remote, Completely Online; Kathy Marshall ; 2 cr.

**5212 Peacebuilding Through Mindfulness:
Transformative Dialogue in the Global Community**

(Student Option; Prereq: Jr or Sr or Grad, or instructor consent.)
62303 001 LEC, 09:00-16:00 Sa, Mayo Bldg B393 Meditation Rm, 09:00-16:00 Sa, Mayo Bldg B393 Meditation Rm, 09:00-16:00 Sa, Mayo Bldg B393 Meditation Rm, Primarily Online; Mark Umbreit ; 3 cr.

**5226 Advanced Meditation: Body, Brain,
Mind, and Universe**

(Student Option; Prereq: CSPH 5225, jr or sr or grad student, or instr consent)
62276 001 LEC, Completely Online; Douglas Kennedy ; 1 cr.
62550 002 LEC, Completely Online; Mary Jo Kreitzer ; 1 cr.

5305 Introduction to Integrative Mental Health

(Student Option; Prerequisite: Graduate or Professional student. This course focuses on introducing students to the concept of integrative mental health (IMH). Definitions of IMH, the history and background of the concept, and how it relates to psychiatric care and health care in general will be explored. Students will explore and practice risk-benefit profiles of different modalities in the context of evidence-based mental health care. An emphasis will be placed on the connection between physical and mental health and how that can be approached from an integrative perspective. Topics such as mindfulness and mental health, nutrition and mental health, herbs and supplements in psychiatric care, and the role of functional medicine in IMH will be covered, as well as how psychotherapy and psychotropic medications fit in the IMH framework. Students will review the current diagnostic system for mental health disorders and that can both help and hinder an integrative approach to mental health care. Integrative approaches for assessing mental health concerns will be reviewed, and how to use these approaches alongside a traditional medical approach for maximum benefit will be explored. Students will further review specific modalities for mental health and wellbeing that are less focused on specific systems and more focused on holism and the interplay of systems. Students will also identify and explore different ways of viewing mental health and wellbeing based on cultural and geographical issues, and how these may impact the approaches.)
62528 001 LEC, Completely Online; Laura Sandquist ; 2 cr.

5313 Acupressure

(Student Option No Audit;)
62551 001 LEC, 08:00-12:00 Sa, Twin Cities Remote, Completely Online; Maureen Anderson ; 1 cr.

**5315 Traditional Tibetan Medicine: Ethics,
Spirituality, and Healing**

(Student Option; Prereq: Jr or sr or grad student or instr consent)
62305 001 LEC, Completely Online; Tenzin Namdul ; 2 cr.

5317 Yoga: Ethics, Spirituality, and Healing

(Student Option; Prereq jr or sr or grad; or instructor consent)
62292 001 LEC, Completely Online; Katie Schuver ; 2 cr.

5343 Ayurveda Medicine: The Science of Self-healing

(Student Option;)
62293 001 LEC, Completely Online; Asavari Manvikar ; 2 cr.

5401 People, Plants, and Drugs:

Introduction to Ethnopharmacology
(Student Option; Prereq: Jr or Sr or Grad, or instructor consent. Courses in Botany, Chemistry and Pharmacology are useful but not required.)

62286 001 LEC, Completely Online; Lisa Philander ; 3 cr.

**5431 Functional Nutrition: An Expanded
View of Nutrition, Chronic Disease, and Optimal Health**

(Student Option; Prereq: [Jr or sr or grad student] in Health Sciences or instr consent)
62277 001 LEC, 15:30-17:00 T, Twin Cities Remote, Completely Online; Carolyn Denton ; 2 cr.

5503 Aromatherapy Fundamentals

(Student Option; Prereq: Jr or Sr or Grad, or Inst consent)
62302 001 LEC, Completely Online; Janet Tomaino ; 1 cr.

5535 Reiki Healing

(S-N only; Prereq: Jr or sr or grad student or instr consent)
62279 001 LEC, 09:00-17:00 Sa, Twin Cities Remote, 09:00-17:00 Sa, Twin Cities Remote, Completely Online; Deborah Ringdahl ; 1 cr.

5555 Introduction to Body and Movement-based Therapies

(Student Option; Prereq: jr or sr or grad student; or instructor consent)
62275 001 LEC, 15:00-20:00 F, Mayo Bldg & Additions D325, 09:00-16:00 Sa, Mayo Bldg & Additions D325, 15:00-20:00 F, Mayo Bldg & Additions D325, 09:00-16:00 Sa, Mayo Bldg & Additions D325, Partially Online; Barbara Nordstrom-Loeb ; 2 cr.

5601 Music, Health and Healing

(Student Option; Prereq: Jr or sr or grad student or instr consent)
62526 001 LEC, Completely Online; Jenzi Silverman ; 2 cr.

5631 Healing Imagery I

(Student Option; Prereq: Jr or Sr or Grad, or instructor consent)
62287 001 LEC, Completely Online; Susan Thompson ; 2 cr.

5642 Nature Heals: An Introduction to Nature-Based Therapeutics

(Student Option; Prereq: Jr, Sr or Grad, or instructor consent)
62304 001 LEC, Completely Online; Jean Larson ; 3 cr.

5643 Horse as Teacher: Introduction to Equine-Assisted Services (EAS)

(Student Option; Prereq: jr or sr or grad or instr consent)
65928 001 LEC, Completely Online; Jean Larson ; 3 cr.

5705 Health Coaching Professional Internship

(S-N only; Prereq: CSPH 5101, 5701, 5702, 5703, 5706, 5707 (MA only); admitted to Integrative Health and Wellbeing Coaching MA; or, Integrative Therapies and Healing Practices Certificate-Health Coaching track.)
62284 001 LEC, 17:00-20:00 W, Twin Cities Remote, 17:00-20:00 T, Twin Cities Remote, 17:00-20:00 W, Twin Cities Remote, 17:00-20:00 W, Twin Cities Remote, Completely Online; Solange Monono, Erin Erickson ; 2 cr.

5709 Health and Wellbeing Group Coaching

(Student Option No Audit; Prereq: - Admission to the Master of Arts in Integrative Health and Wellbeing Coaching program; or - Admission to or graduation from the Integrative Therapies and Healing Practice Certificate program Health Coaching track; or - Special permission by the Instructors - Satisfactory completion of each of the following courses with a 3.0 or better: CSPH 5701, CSPH 5702, CSPH 5703, CSPH 5705, CSPH 5706, CSPH 5707.)
62307 001 LEC, 09:00-13:00 F, Twin Cities Remote, 13:00-14:00 F, Twin Cities Remote, 13:00-14:00 F, Twin Cities Remote, Completely Online; Erin Erickson, Stephanie Wagner ; 2 cr.

5711 Optimal Healing Environments

(Student Option; Prereq: Jr or sr or grad student or instr consent)
67303 001 LEC, 13:00-17:00 W, Twin Cities Remote, 13:00-17:00 W, Twin Cities Remote, 13:00-17:00 W, Twin Cities Remote, Completely Online; Theresa Zborowsky ; 3 cr.

5806 Wellbeing and Resiliency for Health Professionals

(Student Option; Prereq: jr or sr or grad, or instructor consent)

62306 001 LEC, Completely Online; Kate Hathaway ; 1 cr.

5807 Mindfulness in the Workplace: Pause, Practice, Perform

(Student Option; Prereq jr or sr or grad, or instructor consent)
62311 001 LEC, Completely Online; Alex Haley ; 2 cr.

5905 Food Matters: Cook Like Your Life Depends On It

(Student Option; Prereq: Graduate student in a health professions field, or instructor consent)
62308 001 LEC, 16:30-19:00 M, Twin Cities Remote, 16:30-19:00 M, Twin Cities Remote, 16:30-19:00 M, Twin Cities Remote, 16:30-19:00 M, Twin Cities Remote, 16:30-19:00 M, Twin Cities Remote, 16:30-19:00 M, Twin Cities Remote, Completely Online; Jennifer Breen, Kate Shafto ; 1 cr.
62552 002 LEC, Completely Online; 1 cr.

Cultural Study/Comparative Lit (CSCL)**1001W Introduction to Cultural Studies**

(Student Option; AH,WI,DSJ)
51753 001 LEC, 09:45-11:00 TTh, 10 Church Street SE 100, In Person; Laurie Ouellette ; 3 cr.

1101W Literature

(Student Option; LITR,WI)
52029 001 LEC, 14:30-15:45 MW, Rapson Hall 100, In Person; Tony C. Brown ; 3 cr.

1201W Cinema

(Student Option; AH,WI)
52756 001 LEC, 11:15-14:15 T, Willey Hall 125, In Person; Meets With: 001 SCMC 1201W001 SCMC 1201V001 CSCL 1201V; Margaret Hennesfeld ; 4 cr.
53888 002 DIS, 09:05-09:55 T, Folwell Hall 32, In Person; Meets With: 002 SCMC 1201W; Daniel Aufmann ; 4 cr.
53889 003 DIS, 10:10-11:00 T, Folwell Hall 106, In Person; Meets With: 003 SCMC 1201W; Alexander Harasymiw ; 4 cr.
53890 004 DIS, 10:10-11:00 W, Ford Hall 150, In Person; Meets With: 004 SCMC 1201W; Nicholas Henderson ; 4 cr.
53891 005 DIS, 11:15-12:05 W, Wulling Hall 220, In Person; Meets With: 005 SCMC 1201W; Alexander Harasymiw ; 4 cr.
53982 006 DIS, 10:10-11:00 Th, Folwell Hall 106, In Person; Meets With: 006 SCMC 1201W; Nicholas Henderson ; 4 cr.
66474 007 DIS, 11:15-12:05 Th, Kolthoff Hall 135, In Person; Meets With: 007 SCMC 1201W; Nicholas Henderson ; 4 cr.

1202W Media: Word, Image, Sound

(Student Option; AH,WI,TS)
53892 001 LEC, 13:00-14:15 TTh, Nicholson Hall 275, In Person; Meets With: 001 SCMC 1202W; Graeme Stout ; 4 cr.
53893 002 DIS, 09:05-09:55 M, Folwell Hall 116, In Person; Meets With: 002 SCMC 1202W; MT MT ; 4 cr.
53894 003 DIS, 10:10-11:00 M, Nicholson Hall 120, In Person; Meets With: 003 SCMC 1202W; MT MT ; 4 cr.
53895 004 DIS, 10:10-11:00 W, Amundson Hall 104, In Person; Meets With: 004 SCMC 1202W; Jordan Brown ; 4 cr.
53896 005 DIS, 09:05-09:55 W, Folwell Hall 116, In Person; Meets With: 005 SCMC 1202W; Jordan Brown ; 4 cr.
54446 006 DIS, 10:10-11:00 F, , In Person; Meets With: 006 SCMC 1202W; MT MT ; 4 cr.

1301W Reading Culture: Theory and Practice

(Student Option; AH,WI)
53647 001 LEC, 13:00-14:15 TTh, Burton Hall 120, In Person; Timothy Brennan ; 3 cr.
53648 002 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Michelle Lekas ; 3 cr.
53652 003 LEC, 14:30-15:45 TTh, Twin Cities Remote, Completely Online; Nikolina Lazetic ; 3 cr.
66476 004 LEC, 14:30-15:45 TTh, Kolthoff Hall 135, In Person; Timothy Brennan ; 3 cr.
68028 005 LEC, 11:15-12:30 MW, Appleby Hall 102, In Person; Saskia Jaszoltowski ; 3 cr.

1401W Reading Literature: Theory and Practice

(Student Option; LITR,WI)
53649 001 LEC, 14:30-15:45 MW, Folwell Hall 8, In Person; Cory Stockwell ; 3 cr.

53650 003 LEC, 16:00-17:15 MW, Folwell Hall 122, In Person; Alexandra Leong ; 3 cr.
53651 004 LEC, 18:20-20:50 W, Folwell Hall 122, In Person; Jeremy Meckler ; 3 cr.

1501W Reading History: Theory and Practice

(Student Option; HIS,WI)
54087 002 LEC, 11:15-12:30 TTh, Kolthoff Hall 134, In Person; Heidar Azodanloo ; 3 cr.

1918 The Hollywod Musical, in one term (A-F only;)

67266 001 DIS, 13:00-16:00 Th, Twin Cities Remote, Completely Online; Michelle Lekas ; 3 cr.

3111W Close Reading

(Student Option; LITR,WI)
55195 001 LEC, 11:15-12:30 MW, Nicholson Hall 120, In Person; Heidar Azodanloo ; 3 cr.

3122 Movements and Manifestos

(Student Option; LITR)
66477 001 LEC, 16:00-19:00 T, Nicholson Hall 35, In Person; John Hicks ; 3 cr.

3130W Colonial and Postcolonial Literatures and Theory: 1700 to the Present

(Student Option; GP,WI,LITR)
54296 001 LEC, 11:15-12:30 MW, Nicholson Hall 355, In Person; Christian Uwe ; 3 cr.

3211 Global & Transnational Cinemas

(Student Option; GP)
55197 001 LEC, 09:45-12:45 Th, Blegen Hall 415, 09:45-11:00 T, Blegen Hall 415, In Person; Meets With: 001 SCMC 3211; Keya Ganguly ; 4 cr.

3212W Documentary Cinema: History and Politics

(Student Option; AH,WI,CIV)
54677 001 LEC, 16:00-19:00 W, Campbell Hall 1, In Person; Meets With: 001 SCMC 3212W; Ricardo Velasco Trujillo ; 4 cr.

3220W Screen Cultures

(Student Option; AH,WI,TS)
53995 001 LEC, 09:45-12:15 F, Campbell Hall 1, In Person; Meets With: 001 SCMC 3220W; Matthew Henseler ; 3 cr.

3221 On Television

(Student Option; CIV)
52737 001 LEC, Completely Online; Meets With: 001 SCMC 3221; Brad Stiffler ; 3 cr.

3231 Comedy: Media, Politics & Society

(Student Option; AH)
53578 001 LEC, 09:45-11:00 TTh, Nicholson Hall 115, In Person; Matthew Hadley ; 3 cr.

3251 Popular Music and Mass Culture

(Student Option; AH)
54096 001 LEC, 09:45-11:00 MW, Nicholson Hall 110, In Person; Matthew Henseler ; 3 cr.

3322 Visions of Nature: The Natural World and Political Thought

(Student Option; ENV)
54679 001 LEC, 14:30-15:45 MW, Nicholson Hall 145, In Person; Courtney Gildersleeve ; 3 cr.

3323 Science and Culture

(Student Option; AH)
55198 001 LEC, 13:00-14:15 MW, Nicholson Hall 125, In Person; Matthew Hadley ; 3 cr.

3334 Monsters, Robots, Cyborgs

(Student Option; LITR)
52948 001 LEC, 13:00-14:15 TTh, Tate Hall B20, In Person; Matthew Hadley ; 3 cr.

3350W Sexuality and Culture

(Student Option; DSJ,WI)
53413 001 LEC, 11:15-12:30 MW, Nicholson Hall 110, In Person; Thomas David ; 3 cr.

3351W The Body and the Politics of Representation

(Student Option; HIS,WI)

53653 001 LEC, 14:30-15:45 MW, Nicholson Hall 315, In Person; Zosha Winegar-Schultz ; 3 cr.

3352W Queer Aesthetics & Queer Critique

(Student Option; DSJ,WI,LITR)
54344 001 LEC, 13:00-14:15 WF, Nicholson Hall 115, In Person; Eva Hudecova ; 3 cr.

3405 Marx for Today

(Student Option; AH,DSJ)
55199 001 LEC, 16:00-17:15 TTh, Folwell Hall 112, In Person; Cesare Casarino ; 3 cr.

3425W Critical Theory and Social Change

(Student Option; AH,WI,DSJ)
54706 001 LEC, 13:00-14:15 MW, Ford Hall 151, In Person; Michael Gallope ; 3 cr.

3896 Internship for Academic Credit

(Student Option;)
54684 001 FWK, In Person; Graeme Stout ; 1-4 cr.

3993 Directed Study

(Student Option; Prereq-instr consent, dept consent, college consent.)
52704 001 IND, 00:00-00:00 , , In Person; ; 1-3 cr.

4993 Directed Study

(A-F or Audit;)
52825 001 IND, 00:00-00:00 , , In Person; ; 1-3 cr.

5666 Film Music: Theory, History, Practice

(A-F only;)
67485 001 DIS, 14:30-15:45 MW, Room TBA, In Person; Saskia Jaszoltowski ; 4 cr.

5910 Topics in Cultural Studies and Comparative Literature

(Student Option;)
68220 001 DIS, 17:00-19:30 T, Nicholson Hall 135, In Person; Tony C. Brown ; 3-4 cr.

5993 Directed Study

(Student Option; Prereq-instr consent, dept consent, college consent.)
52049 001 IND, 00:00-00:00 , , In Person; ; 1-3 cr.

Curriculum and Instruction (CI)

1001 Introduction to the Elementary School

(A-F or Audit;)
50424 002 LEC, 11:15-12:30 TTh, Peik Hall 385, In Person; Keitha-Gail Martin-Kerr ; 3 cr.
50756 001 LEC, 09:45-11:00 TTh, Peik Hall 325, In Person; Jana LoBello Miller ; 3 cr.

1032 Creating Identities: Learning In and Through the Arts

(Student Option; AH)
51214 001 LAB, 09:05-11:00 MW, Peik Hall 40, In Person; Heather Delisle ; 4 cr.
51217 005 LAB, 11:15-13:10 TTh, Appleby Hall 201, In Person; Emily Jane Burnley ; 4 cr.
51280 004 LAB, 09:05-11:00 TTh, Appleby Hall 201, In Person; Emily Jane Burnley ; 4 cr.

1121 Educational Movements Past and Present: Multicultural Perspectives

(Student Option; DSJ,HIS)
51402 003 LEC, 12:20-14:15 TTh, Bruininks Hall 530B, In Person; Robert Poch ; 4 cr.
51627 001 LEC, 13:25-15:30 MW, Bruininks Hall 530B, In Person; Robert Poch ; 4 cr.

1124 Global Stories of Education: Literature for Young Adults

(Student Option; GP,LITR)
51219 002 DIS, 13:00-14:15 MW, Peik Hall 315, In Person; Marika Belusa ; 3 cr.
51220 004 DIS, 09:45-11:00 TTh, Peik Hall 335, In Person; Eva Barr ; 3 cr.
51281 003 DIS, 14:30-15:45 MW, Peik Hall 215, In Person; Jacob Hellman ; 3 cr.
51291 005 DIS, 11:15-12:30 TTh, Peik Hall 375, In Person; Eva Barr ; 3 cr.
51325 006 DIS, 13:00-14:15 TTh, Peik Hall 335, In Person; Anna Schick ; 3 cr.

1563 Physics by Inquiry

(Student Option; PHYS)

51237 002 LAB, 16:40-20:15 M, Bruininks Hall 131B, In Person; Marta Stoeckel ; 4 cr.
51290 001 LAB, 16:40-20:15 T, Bruininks Hall 530A, In Person; Daniel Voss ; 4 cr.

1806 College Algebra through Modeling

(Student Option; Prereq: Three yrs high school math or grade of at least C+ in PsTL 0731 or PsTL 0732 or CI 0832 or placement test score or instr consentMATH)

51221 002 LEC, 13:00-14:15 MW, Peik Hall 48, In Person; Sophie Kasahara ; 3 cr.
51222 003 LEC, 09:45-11:00 TTh, Peik Hall 385, In Person; Amber Armstrong ; 3 cr.
68637 001 LEC, 11:15-12:30 MW, Peik Hall 48, In Person; 3 cr.

1871 Computer Literacy and Problem Solving

(Student Option;)
51182 001 LAB, Completely Online; Douglas Robertson ; 4 cr.
51183 002 LAB, Completely Online; Douglas Robertson ; 4 cr.
51185 004 LAB, Completely Online; Douglas Robertson ; 4 cr.

2311W Introduction to Technology and Ethics in Society

(Student Option; CIV,WI)
50721 001 LEC, Completely Online; Basel Hussein ; 3 cr.
50735 002 LEC, Completely Online; Robert Kreml ; 3 cr.
51501 003 LEC, Completely Online; Angelica Pazurek ; 3 cr.

2312 Sex, Drugs, and the Internet: Educational Perspectives

(A-F only;)
50917 001 DIS, Completely Online; John Bartucz ; 3 cr.

3001 Engaged Arts Learning in Elementary Classrooms

(A-F or Audit;)
50900 001 LAB, 09:05-11:00 W, Appleby Hall 201, In Person; Vanessa Hoff ; 2 cr.
51278 002 LAB, 09:05-11:00 F, Peik Hall 40, In Person; Heather Delisle ; 2 cr.
51554 003 LAB, 11:30-13:25 F, Peik Hall 40, In Person; Wendy Friedmeyer ; 2 cr.

3101 Issues in Urban Education

(Student Option;)
51326 001 LEC, 12:20-14:15 WF, Peik Hall 225, In Person; 3 cr.

3211 Introduction to Elementary Teaching

(A-F only; Prereq: [Elementary ed or early childhood ed foundations major], concurrent practicum experience)
50871 001 DIS, 08:30-11:00 T, Peik Hall 48, In Person; Diedra Carlson ; 3 cr.
50872 002 DIS, 11:15-13:45 T, Peik Hall 40, In Person; Cynthia Zwicky ; 3 cr.
66442 003 DIS, 08:30-11:00 T, Peik Hall 40, In Person; 3 cr.

3212 Field Experience: Elementary Teaching

(S-N only; Prereq: concurrent registration is required CI 3211, [elementary education foundations or early childhood foundations] major)
50862 001 FWK, 08:00-12:00 WF, No Room Required, 08:30-11:30 WF, Peik Hall 28, In Person; Cynthia Zwicky ; 2 cr.

3283 Field Experience in Special Education

(S-N only; Prereq: concurrent registration is required in EDPSY 5613 or EDPSY 5616, elementary education: foundations major)
50863 001 FWK, 08:00-12:00 TTh, No Room Required, 08:30-11:30 Th, Peik Gymnasium G55, In Person; 2 cr.

3342 Social Media & Connected Learning

(A-F or Audit;)
51405 002 DIS, Completely Online; Rukmini Manasa Avadhanam ; 3 cr.
51597 001 DIS, Completely Online; Rukmini Manasa Avadhanam ; 3 cr.

3401W Diversity in Children's Literature

(A-F or Audit; WI)
50730 001 LEC, 12:20-15:00 M, Peik Hall 365, In Person; Amanda Shopa ; 3 cr.
50809 002 LEC, 12:20-15:00 W, Peik Hall 365, In Person; Kirsten Hunt ; 3 cr.

3610 Linguistics for Teachers

(A-F only; SOCS)
50935 001 LEC, 09:45-11:00 MW, Peik Hall 335, In Person; Margaret Buchanan ; 3 cr.
51109 003 LEC, 09:45-11:00 TTh, Peik Hall 355, In Person; Margaret Buchanan ; 3 cr.
51587 004 LEC, 14:30-15:45 TTh, Peik Hall 48, In Person; Fernando Gonzalez Lesniak ; 3 cr.

3611W Basics in Teaching English as a Second Language

(Student Option No Audit; Prereq: Have studied another language.WI)
51070 002 LEC, 10:10-12:05 TTh, Blegen Hall 135, In Person; Julia Bach ; 4 cr.
51110 001 LEC, 14:30-16:25 MW, Peik Hall 48, In Person; Tetiana Holovatenko ; 4 cr.

3612 Introduction to Pronunciation and Grammar for ESL Teachers

(Student Option No Audit; Prereq: An Introduction to Linguistics course, e.g., CI 3610 or LING 3001)
51072 002 LEC, 13:25-15:20 TTh, Peik Hall 365, In Person; Ashraf Mohammad ; 4 cr.

3613 Intercultural Communication and English Language Teaching

(Student Option No Audit;)
51073 001 LEC, 13:00-14:15 MW, Wulling Hall 240, In Person; Mabindra Regmi ; 3 cr.
51279 002 LEC, 11:15-12:30 TTh, Peik Hall 335, In Person; Mabindra Regmi ; 3 cr.

3902 Exploring the Teaching Profession II

(A-F only; Prereq: CI 3901, admission to DirecTrack to Teaching or department consent)
50833 001 LEC, 16:00-19:00 T, Peik Hall 335, In Person; Jehanne Beaton ; 2 cr.
51327 002 LEC, 13:00-15:00 M, Peik Hall 155, In Person; Jehanne Beaton ; 2 cr.

3993 Directed Study: Curriculum and Instruction

(Student Option No Audit; Prereq instr consent.)
51406 001 IND, Partially Online; 1-6 cr.

4121 Culture Power and Education

(A-F only; DSJ)
51154 001 DIS, 16:40-19:20 W, Peik Hall 335, In Person; Blanca Caldas Chumbes ; 3 cr.
51361 003 DIS, 08:30-11:00 Th, Peik Hall 48, In Person; Blanca Caldas Chumbes ; 3 cr.

4122 Social Class Education and Pedagogy

(A-F only;)
51155 001 DIS, 16:05-18:45 T, Peik Hall 28, In Person; Meets With: 001 CI 5122; Colleen Clements ; 3 cr.
51287 002 DIS, 16:05-18:45 W, Peik Hall 325, In Person; Colleen Clements ; 3 cr.

4311W Technology and Ethics in Society

(Student Option; CIV,WI)
50857 001 LEC, Completely Online; Jolie Kennedy ; 3 cr.
50858 002 LEC, Completely Online; Robert Kreml ; 3 cr.
51328 003 LEC, Completely Online; John Bartucz ; 3 cr.

4312 Sex, Drugs, and the Internet: Educational Perspectives

(A-F only;)
50918 001 DIS, Completely Online; John Bartucz ; 3 cr.

4602 English Learners and Academic Language

(A-F only;)
51157 001 DIS, 09:00-12:00 Sa, Bruininks Hall 420B, Primarily Online; 1 cr.

5008 Theory and Practice of Arts Teaching

(A-F or Audit;)
51192 001 LEC, 16:40-19:20 MWF, Twin Cities Remote, Completely Online; Betsy Maloney Leaf, Jamee Yung, Iyekiypiwinn Darlene St. Clair ; 1-2 cr.

5018 Teaching Dance

(A-F only; Prereq: Education graduate student or instructor consent)
51428 001 DIS, Completely Online; Betsy Maloney Leaf ; 1 cr.

5050 Issues in Art Education

(Student Option;)

66386 001 LEC, 19:30-20:30 M, Peik Hall 40, 16:40-19:20 MTWThF, Appleby Hall 201, In Person; Andre Samples, Melodee Strong, Deborah Karp Castrenze ; 1-4 cr.

5097 Student Teaching in Arts Education

(S-N or Audit;)
50955 001 FWK, 16:40-19:20 M, Peik Hall 40, In Person; Betsy Maloney Leaf ; 8 cr.

5150 Curriculum Topics

(S-N only;)
67290 001 DIS, 16:05-18:45 W, Peik Hall 225, In Person; Abigail Rombalski ; 1-4 cr.
68371 002 DIS, Completely Online; Mary Hermes ; 1-4 cr.

5186 School-Related Projects

(A-F or Audit; Prereq: MEd student)
50928 001 IND, Independent/Directed Study; 1-4 cr.
50929 002 IND, Independent/Directed Study; 1-4 cr.
51047 003 IND, Independent/Directed Study; 1-4 cr.
51048 004 IND, Independent/Directed Study; 1-4 cr.
51049 005 IND, Independent/Directed Study; 1-4 cr.
51050 006 IND, Independent/Directed Study; 1-4 cr.
51051 007 IND, Independent/Directed Study; 1-4 cr.
51052 008 IND, Independent/Directed Study; 1-4 cr.

5190 Directed Individual Study in Curriculum and Instruction

(Student Option; Prereq: Grad student, instr consent)
51045 001 IND, Independent/Directed Study; 1-6 cr.
51053 002 IND, Independent/Directed Study; 1-6 cr.
51054 003 IND, Independent/Directed Study; Jolie Kennedy ; 1-6 cr.
51055 004 IND, Independent/Directed Study; 1-6 cr.
51056 005 IND, Independent/Directed Study; 1-6 cr.
51057 006 IND, Independent/Directed Study; 1-6 cr.
51058 007 IND, Independent/Directed Study; 1-6 cr.
51059 008 IND, Independent/Directed Study; 1-6 cr.
51489 300 IND, Completely Online; 1-6 cr.

5212 Elementary Education Content and Pedagogy II

(A-F only;)
51333 200 LEC, 09:00-15:00 SaSu, Peik Hall 355, 09:00-15:00 SaSu, Peik Hall 355, 09:00-15:00 SaSu, Peik Hall 355, 09:00-15:00 SaSu, Peik Hall 355, 09:00-15:00 Sa, Peik Hall 355, Partially Online; Danielle Beck, Thomas Meagher, Jennifer Knutsen ; 3 cr.
67604 300 LEC, 09:00-15:00 Sa, Peik Hall 365, Partially Online; Danielle Beck, James Schrankler, Natalie Garcia ; 3 cr.

5215 Elementary Education Content and Pedagogy V

(A-F only;)
67647 200 DIS, 09:00-15:00 SaSu, Peik Hall 325, 09:00-15:00 SaSu, Peik Hall 325, 09:00-15:00 SaSu, Peik Hall 325, 09:00-15:00 SaSu, Peik Hall 325, Partially Online; Craig Schewe, Jeff Henning-Smith, Ann Jacobs ; 2 cr.

5285 Clinical Experience in Elementary School Teaching

(S-N only; Prereq: M.Ed./Elementary education initial licensure students)
50930 001 FWK, Partially Online; Jana LoBello Miller ; 12 cr.
50963 002 FWK, Partially Online; Jana LoBello Miller ; 12 cr.
50964 003 FWK, Partially Online; Jana LoBello Miller ; 12 cr.

5286 Student Teaching Seminar: Elementary Education

(A-F only; Prereq: M.Ed./Elementary education initial licensure only)
50931 001 LEC, 16:40-19:20 W, Peik Hall 46, In Person; Jeff Henning-Smith ; 3 cr.
50932 002 LEC, 16:40-19:20 T, Peik Hall 365, In Person; Jana LoBello Miller ; 3 cr.
50933 003 LEC, 16:40-19:20 T, Peik Hall 40, In Person; Keitha-Gail Martin-Kerr ; 3 cr.

5287 Capstone Project: Improvement of Teaching in Elementary and Pre-Kindergarten Schools

(A-F only; Prereq: M.Ed./elementary education initial licensure student)
51046 001 FWK, Primarily Online; Jeff Henning-Smith ; 3 cr.
51060 002 FWK, Primarily Online; Meets With: 003 CI 5287; Jeff Henning-Smith, Fatih Bilgic, Diedra Carlson ; 3 cr.
51061 003 FWK, Primarily Online; Meets With: 002 CI 5287; Jeff Henning-Smith, Fatih Bilgic, Diedra Carlson ; 3 cr.

5301 Foundations of Computer Applications for Business and Education

(A-F only;)

50877 001 DIS, Completely Online; Chen Chen ; 3 cr.
67302 003 DIS, Completely Online; Chen Chen ; 3 cr.

5307 Technology for Teaching and Learning

(A-F or Audit; Prereq: [MEd/initial licensure or CLA music ed major or preteaching major or instr consent], basic computer skills)

50302 001 LAB, 16:40-19:20 , , 16:40-19:20 Th, Lrng & Environmental Sci R260, 16:40-19:20 Th, Lrng & Environmental Sci R260, 16:40-19:20 Th, Lrng & Environmental Sci R260, 16:40-19:20 Th, Lrng & Environmental Sci R260, 16:40-19:20 Th, Lrng & Environmental Sci R260, 16:40-19:20 Th, Lrng & Environmental Sci R260, 16:40-19:20 Th, Lrng & Environmental Sci R260, Partially Online; John Bartucz, David Zukor ; 1.5 cr.
50303 002 LAB, 16:40-19:20 , , 16:40-19:20 T, Lrng & Environmental Sci R260, 16:40-19:20 T, Lrng & Environmental Sci R260, 16:40-19:20 T, Lrng & Environmental Sci R260, 16:40-19:20 T, Lrng & Environmental Sci R260, 16:40-19:20 T, Lrng & Environmental Sci R260, 16:40-19:20 T, Lrng & Environmental Sci R260, 16:40-19:20 T, Lrng & Environmental Sci R260, Partially Online; John Bartucz, Dave Lostetter ; 1.5 cr.
50304 003 LAB, 16:40-19:20 , , 16:40-19:20 W, Lrng & Environmental Sci R260, 16:40-19:20 W, Lrng & Environmental Sci R260, 16:40-19:20 W, Lrng & Environmental Sci R260, 16:40-19:20 W, Lrng & Environmental Sci R260, 16:40-19:20 W, Lrng & Environmental Sci R260, 16:40-19:20 W, Lrng & Environmental Sci R260, 16:40-19:20 W, Lrng & Environmental Sci R260, Partially Online; John Bartucz, Robert Olson ; 1.5 cr.
50500 004 LAB, 16:40-19:20 M, Lrng & Environmental Sci R260, 16:40-19:20 M, Lrng & Environmental Sci R260, 16:40-19:20 M, Lrng & Environmental Sci R260, 16:40-19:20 M, Lrng & Environmental Sci R260, 16:40-19:20 M, Lrng & Environmental Sci R260, 16:40-19:20 M, Lrng & Environmental Sci R260, 16:40-19:20 T, Lrng & Environmental Sci R260, 16:40-19:20 T, Lrng & Environmental Sci R260, Partially Online; John Bartucz, Jennifer Huling ; 1.5 cr.

5323 Online Learning Communities

(A-F or Audit;)
66173 001 LEC, Completely Online; Jolie Kennedy ; 3 cr.

5336 Planning for Multimedia Design and Development

(A-F or Audit;)
66174 001 LEC, Completely Online; Jolie Kennedy ; 3 cr.

5413 Foundations of Reading

(A-F or Audit; Prereq: CI 3610 and concurrent registration with CI 5414)
50874 001 LEC, 08:00-12:20 MW, Peik Hall 385, In Person; Crystal Wise, Sheri Nelson ; 3 cr.
50875 002 LEC, 08:00-12:20 TTh, Peik Hall 365, In Person; Eva Boehm ; 3 cr.
51158 003 LEC, 08:00-12:20 TTh, Peik Hall 46, In Person; Sheri Nelson ; 3 cr.

5414 Field Experience: Working with Developing Readers

(S-N only;)
50873 001 FWK, In Person; Sheri Nelson, Crystal Wise ; 2 cr.
51408 002 FWK, In Person; Eva Boehm ; 2 cr.
51409 003 FWK, In Person; Sheri Nelson ; 2 cr.

5419 The American Middle School

(Student Option;)
51282 001 LEC, Completely Online; Abby Boehm-Turner ; 3 cr.

5422 Teaching Writing in Schools

(A-F or Audit;)
66199 001 LEC, 16:40-19:20 M, Peik Hall 335, In Person; Timothy Lensmire ; 3 cr.

5442 Adolescent Literature, Youth Activism and Climate Change Literacy

(A-F or Audit;)
51557 001 LEC, Completely Online; Marek Oziewicz ; 3 cr.

5452 Reading in the Content Areas for Initial Licensure Candidates

(A-F only; 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])

50766 001 LEC, Completely Online; Stephanie Rollag Yoon, Laurie Hahn Ganser ; 1-2 cr.

5461 Teaching Composition in the Secondary School

(A-F or Audit;)
51093 001 LEC, 12:25-16:25 W, Peik Hall 355, In Person; Abby Boehm-Turner ; 3 cr.

5481 Developments in Teaching English and Speech

(A-F or Audit;)
51558 001 LEC, 12:25-16:25 M, Peik Hall 335, 12:25-16:25 F, Peik Hall 335, 12:25-16:25 M, Peik Hall 335, In Person; Justin Grinage ; 3 cr.

5496 Directed Experiences in Teaching English

(S-N or Audit; Prereq: MEd/initial licensure students in English ed only)
50806 001 FWK, In Person; Marika Belusa, Laurie Hahn Ganser, Kirsten Hunt, Lee Fisher ; 4-8 cr.

5532 Secondary Science Methods III

(A-F or Audit; Prereq: Admission to initial licensure program in science and CI 5531 Secondary Science Methods II)
50553 001 DIS, 16:00-19:20 Th, Lrng & Environmental Sci 139B, In Person; Barbara Billington ; 3 cr.

5536 Equity, Policy, and Assessment in Science Education

(A-F only; Prereq: Med, or grad student, or instr consent)
51560 001 LEC, Completely Online; Cuc Vu ; 3 cr.

5552 Reflecting on Science Classroom Practices II

(A-F only;)
51168 001 DIS, Completely Online; Gillian Roehrig ; 1.5 cr.

5597 Clinical Experience in Secondary School Science Teaching

(S-N or Audit; Prereq: initial licensure or instr consent)
50407 001 FWK, In Person; 4-8 cr.

5612 ESL Methods for Multilingual Development

(A-F only;)
51588 200 LEC, 09:00-15:00 Sa, Peik Hall 385, 09:00-15:00 Sa, Peik Hall 385, 09:00-15:00 Sa, Peik Hall 385, Partially Online; Caroline Maguire, Julie Schmidt ; 3 cr.

5618 Academic Language and English Learners II

(A-F only; Prereq: Enrolled in teacher initial licensure program)
50977 001 FWK, 16:40-19:20 W, Peik Hall 385, 16:40-19:20 W, Peik Hall 385, Primarily Online; Christopher Sanville ; 1 cr.
50978 002 FWK, 16:40-19:20 W, Peik Hall 31, 16:40-19:20 W, Peik Hall 31, Primarily Online; Christopher Sanville, Angelina Momanyi ; 1 cr.
50979 003 FWK, 16:40-19:20 W, Peik Hall 385, 16:40-19:20 W, Peik Hall 385, Primarily Online; Christopher Sanville ; 1 cr.
50980 004 FWK, 16:40-19:20 W, Peik Hall 48, 16:40-19:20 W, Peik Hall 48, Primarily Online; Angelina Momanyi ; 1 cr.
50981 005 FWK, 16:40-19:20 W, Peik Hall 40, 16:40-19:20 W, Peik Hall 40, Primarily Online; Karla Stone ; 1 cr.

5619 Teaching World Languages and Cultures in Elementary Settings

(Student Option;)
68190 001 LEC, Completely Online; 2 cr.

5634 Content-Based Instruction in Second Language Settings

(A-F or Audit; Prereq: SLE initial licensure only)
50351 001 LEC, 13:25-16:25 Th, Peik Hall 355, In Person; Karla Stone ; 3 cr.

5635 Culture and Diversity in Second Language Classrooms

(Student Option; Prereq: Initial licensure program only)
50349 001 LEC, 13:25-16:25 T, Peik Hall 325, In Person; Samuel David ; 3 cr.

5641 Language, Culture, and Education

(A-F or Audit;)
51562 001 LEC, 16:40-19:20 M, Peik Hall 325, In Person; Samuel David ; 3 cr.

5654 Practicum in Language Teaching: ESL and World Languages

(S-N only;)
51074 001 LEC, 16:40-19:20 T, Peik Hall 25, In Person; LeeAnne Godfrey ; 1-6 cr.
64509 002 FWK, In Person; LeeAnne Godfrey ; 1-6 cr.

5657 Teaching Speaking and Listening in Second Language Classrooms

(A-F or Audit;)
50759 001 LEC, 16:40-19:20 Th, Peik Hall 225, In Person; Fernando Gonzalez Lesniak ; 3 cr.

5693 Directed Study in Second Language Education

(Student Option; Prereq: instr consent)
50722 001 LEC, Independent/Directed Study; 1-4 cr.
51564 002 LEC, Independent/Directed Study; 1-4 cr.

5696 Initial Licensure Field experience: Teaching ESL and World Languages

(Student Option; Prereq: adviser approval; credits cannot be counted on a graduate degree program.)
50345 002 LEC, In Person; 2-6 cr.
51589 001 LEC, In Person; Aracely Thomas ; 2-6 cr.

5697 Additional Licensure Field experience: Teaching ESL and World Languages

(Student Option; Prereq: Adviser approval; credits cannot be counted on a graduate degree program.)
50724 001 LEC, In Person; Aracely Thomas ; 2-6 cr.

5698 Student Teaching in Second Languages and Cultures

(Student Option; Prereq: Adviser approval; credits cannot be counted on a graduate degree program.)
50379 001 FWK, In Person; Aracely Thomas ; 2-6 cr.

5699 Clinical Experiences in Second Languages

(A-F or Audit; Prereq: SLC initial licensure program only)
50380 001 FWK, 13:25-16:25 W, Peik Hall 46, In Person; Aracely Thomas ; 3-12 cr.

5744 Seminar: Reflecting on Professional Development in Social Studies Education

(A-F only; Prereq: Secondary social studies initial licensure student)
50364 001 LEC, 17:30-20:00 Th, Peik Hall 365, In Person; Ryan Oto ; 3 cr.

5746 Global and Multicultural Education in the Secondary Classroom

(A-F only;)
51173 001 DIS, 16:40-20:00 T, Peik Hall 46, In Person; J.B. Mayo ; 3 cr.

5782 Clinical Experiences in Teaching Social Studies

(S-N or Audit; Prereq: MEd/initial licensure student)
50417 001 FWK, In Person; Julia Bach, J.B. Mayo ; 1-8 cr.

5980 Clinical Experiences for K-12 Teaching

(Student Option;)
51171 200 FWK, Partially Online; Carrie Foster ; 1-4 cr.
67669 202 FWK, In Person; Nicki May ; 1-4 cr.
67810 300 FWK, In Person; Stephanie Owen ; 1-4 cr.
67811 201 FWK, Partially Online; Jennifer Clifden, Peng Nelson ; 1-4 cr.

5982 Enacting Equity-Based Pedagogy

(A-F only;)
51567 200 FWK, Partially Online; Nuhu Sims ; 2 cr.
67809 300 FWK, Partially Online; Maria Reyes-Wrede ; 2 cr.

5983 Equity-Based Pedagogy/Advocacy

(A-F only;)
51413 200 FWK, Partially Online; Rebecca Slaby ; 1 cr.

5986 Foundations of Special Education

(A-F only;)

51351 200 LEC, Partially Online; Robyn Connelly ; 1 cr.

5987 Child and Adolescent Development for Teaching, Learning, and Assessment

(A-F only;)
51334 200 DIS, Partially Online; Robyn Connelly ; 1 cr.

5988 Clinical Experience: Improvement of Teaching

(A-F only;)
51414 200 LEC, Partially Online; Jade Beauclair ; 2 cr.

Dakota (DAKO)

1122 Beginning Dakota II

(Student Option; Prereq: 1121)
53169 001 LEC, 13:30-14:20 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 DAKO 4122; Sisoka Duta ; 5 cr.
54449 301 LEC, 11:15-12:05 MTWThF, Folwell Hall 119, In Person; Meets With: 301 DAKO 4122; Sisoka Duta ; 5 cr.

3124 Intermediate Dakota II

(Student Option; Prereq: 1121, 1122, 3123)
53170 001 LEC, 15:35-16:25 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 DAKO 4124; Sisoka Duta ; 5 cr.

3127 Dakota Language for Teachers

(A-F only; Prereq: 1121)
55857 001 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Neil Mckay ; 3 cr.

4122 Beginning Dakota II

(Student Option; Prereq: [1121, 1004 in another language] or passing score on LPE or grad student)
54008 001 LEC, 13:30-14:20 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 DAKO 1122; Sisoka Duta ; 3 cr.
67896 301 LEC, 11:15-12:05 MTWThF, Folwell Hall 119, In Person; Meets With: 301 DAKO 1122; Sisoka Duta ; 3 cr.

4124 Intermediate Dakota II

(Student Option; Prereq: 1121, 1122, 3123)
54009 001 LEC, 15:35-16:25 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 DAKO 3124; Sisoka Duta ; 3 cr.

5129 Advanced Dakota Language II

(A-F or Audit;)
53164 001 LEC, 11:15-12:30 MW, Twin Cities Remote, Completely Online; Neil Mckay ; 3 cr.

5229 Dakota Mastery II

(Student Option;)
55355 001 DIS, 18:30-20:00 TTh, Twin Cities Remote, Completely Online; Neil Mckay ; 3 cr.

Dance (DNCE)

1001 Modern/Contemporary Dance Technique 1

(Student Option;)
53595 001 LAB, 12:20-13:50 TTh, , In Person; Alexandra Eady ; 1 cr.

1020 Modern/Contemporary Dance Technique 4

(Student Option; Prereq: 1010, dept consent, audition)
52656 002 LAB, 12:20-13:50 MTThF, , In Person; Laura Anne Virtucio, Cheng Xiong ; 1-2 cr.
54900 001 LAB, 12:20-13:50 TTh, , In Person; Laura Anne Virtucio, Cheng Xiong ; 1-2 cr.

1102 Ballet Technique 2

(Student Option; Prereq: 1101, or audition, or instr consent)
51965 001 LAB, 17:00-18:15 MW, , In Person; Tina Wallum ; 1 cr.

1120 Ballet Technique 4

(Student Option; Prereq: 1110, dept consent, audition)
51951 001 LAB, 08:25-09:55 MWF, , In Person; Tina Wallum ; 2 cr.

1202 Jazz Technique 2

(Student Option; Prereq: 1201 or audition or instr consent)

52025 001 LAB, 18:30-19:45 TTh, , In Person; 1 cr.

1220 Jazz Technique 4

(Student Option; Prereq: 1210, dept consent, audition)
52026 001 LAB, 10:10-11:40 TTh, , In Person; Jessica Pretty ; 1 cr.

1313 African Based Movement

(Student Option;)
67898 001 LAB, 17:00-18:15 TTh, , In Person; ; 1 cr.

1331 Yoga

(Student Option;)
52718 001 LAB, 08:25-09:55 TTh, , In Person; Kealoha Ferreira ; 1 cr.
52895 002 LAB, 10:10-11:40 TTh, , In Person; Kealoha Ferreira ; 1 cr.
54813 003 LAB, 09:00-10:30 TTh, Rarig Center 630, In Person; Leslie Ball ; 1 cr.

1343 Urban & Street Dance Forms 1:

Introduction
(Student Option No Audit;)
54212 002 LAB, 17:00-18:15 MW, , In Person; Averie Mitchell-Brown ; 1 cr.

1345 Alexander Technique for Movement Artists

(Student Option No Audit;)
53341 001 LAB, 12:20-13:50 W, , In Person; Erin Thompson ; 2 cr.

1349 Contact Improvisation

(Student Option;)
53855 001 LAB, 14:05-15:35 W, , In Person; Kristin Vanloon, Arwen Wilder ; 1 cr.

1353 African Diasporic Movement 3

(Student Option No Audit;)
68076 001 LAB, 08:25-09:55 TTh, , In Person; 1 cr.

1401 Introduction to Dance

(Student Option No Audit; AH)
52510 001 LEC, 09:05-09:55 MW, , In Person; Cindy Garcia ; 3 cr.
67881 002 LEC, 10:10-11:00 TTh, , In Person; Maggie Bergeron ; 3 cr.

3020 Modern/Contemporary Dance

Technique 6
(Student Option; Prereq: 3010, dept consent, audition)
52023 001 LAB, 14:05-15:35 MTThF, , In Person; Carl Flink, Jessica Pretty ; 2 cr.

3120 Ballet Technique 6

(Student Option; Prereq: 3110, dept consent, audition)
51952 001 LAB, 08:25-09:55 MWF, , In Person; Penelope Freeh ; 2 cr.

3402W Dance History 2

(Student Option; Prereq: 3401WWI)
52243 001 LEC, 10:10-11:40 TTh, Blegen Hall 220, In Person; Taja Will ; 3 cr.

3433 Articulate Body

(Student Option; Prereq: Dnce major, dept consent)
52244 001 LEC, 10:10-11:40 MW, Lab TBA, In Person; Alexandra Eady ; 3 cr.

3434 Nutrition and Body Maintenance for Movement Artists

(Student Option No Audit;)
53340 001 LEC, 12:20-13:50 W, Lab TBA, In Person; Allison Doughy ; 2 cr.

3602 Dance Composition 2

(Student Option; Prereq: 3601, dept consent, concurrent regis in a modern dance technique course)
54814 001 LAB, 10:10-11:40 MWF, , In Person; Jessica Pretty ; 3 cr.
67894 002 LAB, 10:10-11:40 MWF, , In Person; Joan Smith ; 3 cr.

3622 Dance Production II

(A-F or Audit; Prereq: 3621, dance major, dept consent)
53853 001 LAB, 18:30-20:00 MW, , In Person; Maggie Bergeron ; 2 cr.

3700 Performance

(Student Option; Prereq: Concurrent enrollment in a technique course, audition, dept consent)

52030 001 LAB, 09:00-13:00 Sa, , 15:45-18:15 MTWThF, , In Person; Laura Anne Virtucio, Joan Smith, ; 1 cr.

3901 Career Readiness in Dance

(A-F or Audit; Prereq: Dance major, dept consent)
53854 001 LEC, 08:25-09:55 W, Lab TBA, In Person; Maggie Bergeron ; 1-3 cr.

4602 Dance Composition 4

(Student Option; Prereq: 4601, concurrent registration is required (or allowed) in modern dance technique course, dept consent)
55321 001 LAB, 12:20-13:50 MWF, , In Person; Joan Smith ; 3 cr.

5020 Modern/Contemporary Dance

Technique 8
(Student Option; Prereq: 5010, dept consent, audition)
52028 001 LAB, 14:05-15:35 MTThF, , In Person; Laura Anne Virtucio, ; 2 cr.

5040 Modern/Contemporary Dance

Technique 10
(Student Option;)
54213 001 LAB, 14:05-15:35 MTThF, , In Person; Hassan Ingraham ; 2 cr.

5120 Ballet Technique 8

(Student Option; Prereq: 5110, dept consent, audition)
53852 001 LAB, 08:25-09:55 TTh, , In Person; Eve Schulte ; 1 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent, dept consent, college consent.)
52525 001 IND, 00:00-00:00 , , In Person; Carl Flink ; 1-4 cr.

Data Science (DSCI)

4093 Data Science Senior Project Directed Study

(A-F only;)
68079 001 IND, In Person; Jaideep Srivastava ; 4 cr.

5994 Directed Research

(Student Option;)
59834 001 IND, In Person; 1-3 cr.

Dental Hygiene (DH)

2212 Communication for Oral Health

Providers
(A-F only;)
56703 001 LEC, 08:15-09:55 Th, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DT 2212; Michelle Arnett ; 2 cr.

2221W Periodontology

(A-F only; Prereq: DH studentWI)
56702 001 LEC, 13:00-14:40 M, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DT 2221W; 3 cr.
56781 002 LAB, 14:45-16:45 M, AHC ROOM TBA, In Person; Meets With: 002 DT 2221W; 3 cr.

2222 Process of Care in Allied Dental

Health: Clinical Application II
(A-F or Audit;)
56704 001 LEC, 11:10-12:00 T, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DT 2222; 4 cr.
56705 002 FWK, 13:00-16:00 WThF, AHC ROOM TBA, 09:00-12:00 WF, AHC ROOM TBA, In Person; Meets With: 002 DT 2222; 4 cr.

2225 Microbiology, Immunology, and Oral

Health
(A-F only; Prereq: dental hygiene student)
56850 001 LEC, 11:10-12:00 Th, Moos Health Sci Tower 8-348, 08:00-09:40 T, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DT 2225; Kristin Shingler ; 3 cr.

3125 General and Oral Pathology

(A-F or Audit;)
56843 001 LEC, 09:00-10:40 M, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DT 3125; 2 cr.

3151 Oral and Maxillofacial Radiology

(A-F or Audit;)

56800 001 LEC, 10:10-11:00 TTh, AHC ROOM TBA, In Person; Meets With: 001 DT 3151; 2 cr.

4105 Dental Professional Development

(A-F only;)
56834 001 LEC, 08:00-08:50 W, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DT 4105; 1 cr.

4125W Process of Care in Allied Dental

Health: Clinical Application V
(A-F only; DSJ,WI)
56787 001 LEC, 09:00-09:50 W, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DT 4125W; 6 cr.
56788 002 FWK, 09:00-12:00 MTTh, AHC ROOM TBA, 13:00-16:00 MT, AHC ROOM TBA, In Person; Meets With: 002 DT 4125W; 6 cr.

4135W Research Methods in Allied Dental

Health
(A-F only; WI)
56791 001 LEC, 13:00-14:50 Th, Moos Health Sci Tower 8-348, 08:00-08:50 M, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DT 4135W; 3 cr.

4136 Periodontology III Lecture

(A-F or Audit;)
56792 001 LEC, 07:30-08:20 ThF, AHC ROOM TBA, In Person; 1 cr.

4139 Dental Public Health and Academic

Service Learning II
(A-F only;)
56790 001 LEC, 10:00-11:40 W, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DT 4139; 2 cr.

5401 Research Methods in Health Sciences

(A-F only; Prereq: Dental hygiene grad student)
67774 001 LEC, 18:30-20:00 M, Twin Cities Remote, Completely Online; Priscilla Flynn ; 3 cr.

5405 Curriculum and Course Development

(A-F only; Prereq: Dental Hygiene grad student)
67775 001 LEC, 18:30-20:00 W, Twin Cities Remote, Completely Online; 2 cr.

5425 Oral Health Educator Clinical

Teaching
(A-F only;)
68314 001 LEC, Completely Online; Cyndee Stull ; 3 cr.

5426 Oral Health Educator Didactic

Teaching
(A-F only;)
68315 001 LEC, Completely Online; Yvette Reibel ; 3 cr.

Dental Therapy (DT)

2212 Communications for Oral Health

Providers
(A-F only;)
56889 001 LEC, 08:15-09:55 Th, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DH 2212; Michelle Arnett ; 2 cr.

2221W Periodontology

(A-F only; WI)
56898 002 LAB, 14:45-16:45 M, AHC ROOM TBA, In Person; Meets With: 002 DH 2221W; 3 cr.
56900 001 LEC, 13:00-14:40 M, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DH 2221W; 3 cr.

2222 Process of Care in Allied Dental

Health: Clinical Application II
(A-F or Audit;)
56890 002 FWK, 13:00-16:00 WThF, AHC ROOM TBA, 09:00-12:00 WF, AHC ROOM TBA, In Person; Meets With: 002 DH 2222; 4 cr.
56901 001 LEC, 11:10-12:00 T, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DH 2222; 4 cr.

2225 Microbiology, Immunology, and Oral

Health
(A-F only;)
56891 001 LEC, 11:10-12:00 Th, Moos Health Sci Tower 8-348, 08:00-09:40 T, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DH 2225; Kristin Shingler ; 3 cr.

3125 General and Oral Pathology

(A-F or Audit;)

56896 001 LEC, 09:00-10:40 M, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DH 3125; 2 cr.

3151 Oral and Maxillofacial Radiology

(A-F or Audit;)
56892 001 LAB, 10:10-11:00 TTh, AHC ROOM TBA, In Person; Meets With: 001 DH 3151; 2 cr.

4105 Dental Professional Development

(A-F only;)
56893 001 LEC, 08:00-08:50 W, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DH 4105; 1 cr.

4135W Research Methods in Allied Dental Health

(A-F only; W)
56897 001 LEC, 13:00-14:50 Th, Moos Health Sci Tower 8-348, 08:00-08:50 M, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DH 4135W; 3 cr.

4139 Dental Public Health and Academic Service Learning II

(A-F only;)
56894 001 LEC, 10:00-11:40 W, Moos Health Sci Tower 8-348, In Person; Meets With: 001 DH 4139; 2 cr.

4465 Essentials of Clinical Care for the Dental Therapist II

(S-N only;)
56838 001 FWK, In Person; Danae Seyffer ; 3 cr.

5005 Dental Therapy Capstone Project I

(S-N only;)
56859 001 IND, In Person Term Based; Danae Seyffer ; 1 cr.

5105 Dental Therapy Capstone Project II

(A-F only;)
56902 001 IND, In Person; Drew Christianson ; 1 cr.

5135 Preclinical Pediatric Dentistry

(A-F only; Prereq-DT grad program.)
56814 001 LEC, 08:00-08:50 F, Moos Health Sci Tower 2-620, 08:00-08:50 M, Moos Health Sci Tower 2-620, 08:00-08:50 F, Moos Health Sci Tower 2-620, 07:45-08:50 F, Moos Health Sci Tower 2-620, In Person Term Based; Meets With: 001 DDS 6131; Jeff Karp ; 2 cr.

5141 Clinical Pediatric Dentistry III

(A-F only; Prereq: Must be in the dental therapy program, passed basic foundation competencies)
56855 001 FWK, In Person Term Based; Elise Sarvas ; 2 cr.

5205 MDT Clinical Correlations

(S-N only;)
56887 001 FWK, In Person; 1 cr.

5320 Comprehensive Care Clinic

(S-N only;)
56856 001 FWK, In Person Term Based; Richard Nadeau ; 4 cr.

5321 Treatment Planning for the Dental Therapist

(S-N only;)
56836 001 LEC, 08:00-08:50 T, Moos Health Sci Tower 2-530, 13:00-16:00 Th, Moos Health Sci Tower 5-125, 09:05-16:00 F, Moos Health Sci Tower 5-125, 13:00-16:00 Th, Moos Health Sci Tower 5-125, 09:05-16:00 F, Moos Health Sci Tower 5-125, 13:00-16:00 Th, Moos Health Sci Tower 5-125, 09:00-16:00 F, Moos Health Sci Tower 5-125, 13:00-16:00 Th, Moos Health Sci Tower 5-125, 09:00-16:00 F, Moos Health Sci Tower 5-125, 13:00-16:00 Th, Moos Health Sci Tower 5-125, 09:00-16:00 F, Moos Health Sci Tower 5-125, 13:00-16:00 Th, Moos Health Sci Tower 5-125, 09:00-16:00 F, Moos Health Sci Tower 5-125, 13:00-16:00 Th, Moos Health Sci Tower 5-125, 08:00-09:55 T, Moos Health Sci Tower 2-650, In Person Term Based; Meets With: 001 DDS 6314; Richard Nadeau ; 1 cr.

5361 Outreach Experiences DT Spring

(S-N only;)
56857 001 FWK, In Person Term Based; Susan Buck-Wischmeier ; 2 cr.

5410 Biomaterials Science

(A-F only; Prereq-2nd yr DT student.)
56839 001 LEC, In Person Term Based; Hooi Pin Chew, Isha Mutreja ; 1 cr.

5432 Operative Dentistry I

(A-F only;)
56860 001 LEC, 13:00-13:50 TTh, AHC ROOM TBA, In Person Term Based; Gary Hildebrandt ; 2 cr.

5433 Operative Dentistry I Pre-Clinic Laboratory

(A-F only; Prereq: 2nd yr masters in dental therapy student)
56854 001 LAB, 14:05-16:00 TTh, AHC ROOM TBA, In Person Term Based; Gary Hildebrandt ; 2 cr.

5443 Operative Clinic III

(A-F only;)
56858 001 FWK, In Person Term Based; Gary Hildebrandt ; 4 cr.

5465 Essentials of Clinical Care for the Dental Therapist IV

(S-N only;)
56826 001 FWK, 00:00-00:00 , In Person Term Based; Karl Self ; 10 cr.

5565 Essentials of Clinical Care for the Dental Therapist V

(S-N only;)
68095 001 FWK, 00:00-00:00 , In Person Term Based; Danae Seyffer ; 1 cr.

Design (DES)

1000 D@MN: Design@Minnesota

(A-F only; AH)
49530 001 LEC, 13:00-14:15 Th, ONLINE BLENDED, 13:00-14:15 T, Rapson Hall 56, Partially Online; Emily Stover ; 3 cr.

1101W Introduction to Design Thinking

(A-F only; AH,WI)
49390 001 LEC, 09:15-10:30 TTh, McNeal Hall 33, In Person; 4 cr.
49391 002 DIS, 08:30-09:20 W, McNeal Hall 262, In Person; 4 cr.
49392 003 DIS, 09:35-10:25 W, McNeal Hall 262, In Person; 4 cr.
49393 004 DIS, 10:40-11:30 W, McNeal Hall 262, In Person; 4 cr.
49394 005 DIS, 10:40-11:30 T, McNeal Hall 262, In Person; 4 cr.
49395 006 DIS, 10:40-11:30 Th, McNeal Hall 262, In Person; 4 cr.

1111 Creative Problem Solving

(A-F only;)
49398 001 LEC, 13:30-15:15 MW, Twin Cities Remote, Completely Online; 3 cr.

1111H Honors: Creative Problem Solving

(A-F only; Prereq: Honors)
49711 001 DIS, 13:30-15:15 MW, Twin Cities Remote, Completely Online; 3 cr.

1407 Fashion and Feminism: Dressing for Change

(A-F only;)
65927 001 LEC, 10:15-11:30 TTh, McNeal Hall 395, In Person; Jean McElvain ; 3 cr.

1411 Design Inquiries in Geography and Ecology

(A-F only;)
65926 001 LEC, 16:00-17:15 TTh, Rapson Hall 58, In Person; Megan Lundquist ; 3 cr.

1412 i House : i Home

(A-F only;)
67293 001 LEC, 11:15-13:10 MW, Tate Hall B55, In Person; Mark Tambornino ; 3 cr.

2101 Design and Visual Presentation

(A-F only;)
49399 001 LEC, 16:05-17:45 M, McNeal Hall 316, In Person; 2 cr.
49606 002 LEC, Completely Online; 2 cr.
49656 003 LEC, Completely Online; 2 cr.
49756 004 LEC, Completely Online; 2 cr.
49757 005 LEC, Completely Online; 2 cr.
65766 006 LEC, Completely Online; 2 cr.
68170 007 LEC, Completely Online; 2 cr.

3131 User Experience in Design

(A-F only;)
49647 002 LEC, 18:15-20:10 TTh, McNeal Hall 144, In Person; 4 cr.
65767 003 LEC, 16:00-17:55 TTh, McNeal Hall 144, In Person; 4 cr.

3141 Technology, Design, and Society

(A-F only; TS)
65645 001 LEC, 13:00-13:50 TTh, Mechanical Engineering 321, In Person; 3 cr.

3160 Topics in Design

(A-F only;)
68482 001 LEC, 09:00-11:00 TTh, Ruttan Hall B45, In Person; Meets With: 001 BIOL 3700; Michael Winikoff, Cecilia Wang ; 1-4 cr.

3201 Career and Internship Preparation for Design

(A-F only; 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 or product design)
49347 001 LEC, 11:45-12:35 T, Twin Cities Remote, Completely Online; Kristen Murphy ; 1 cr.
49348 002 LEC, 16:05-16:55 W, Twin Cities Remote, Completely Online; Kara Branyon ; 1 cr.
49521 004 LEC, 09:05-09:55 T, Twin Cities Remote, Completely Online; Mary Shannon Bocock ; 1 cr.
49600 003 LEC, 10:40-11:30 W, Twin Cities Remote, Completely Online; Siri Sorensen ; 1 cr.
67826 005 LEC, 09:05-09:55 F, Twin Cities Remote, Completely Online; Kristen Murphy ; 1 cr.

3309 Storytelling and Design

(A-F only;)
49674 001 LEC, 15:35-18:20 T, Mechanical Engineering 221, In Person; Emily Stover ; 3 cr.

3311 Travels in Typography

(A-F only;)
49350 001 LEC, 18:15-21:00 M, McNeal Hall B22, In Person; Bill Moran ; 3 cr.

3322 Furniture Design, Practice

(A-F only;)
49620 001 LEC, 09:05-14:35 F, Rapson Hall 109, In Person; Thomas Oliphant ; 4 cr.

3331 Street Life Urban Design Seminar

(A-F only;)
49343 001 LEC, 13:25-16:10 F, Rapson Hall 35, In Person; Satoko Muratake ; 3 cr.

3351 Phenomenon of Everyday Design

(A-F only;)
49562 001 LEC, 10:15-11:30 MW, McNeal Hall 395, In Person; Kathryn Reiley ; 3 cr.

4193 Directed Study in Design

(A-F only; Prereq: dept consent)
49337 001 IND, Independent/Directed Study; 1-6 cr.

5185 Human Factors in Design

(A-F or Audit; Prereq: Grad student or sr or instr consent)
49522 001 LEC, 10:15-11:30 MW, Peters Hall 155, In Person; Brad Holschuh ; 3 cr.

5901 Principles of Wearable Technology

(A-F or Audit;)
49708 001 LEC, 13:55-15:50 M, Twin Cities Remote, Completely Online; Brad Holschuh ; 2 cr.

Dutch (DTCH)

1002 Beginning Dutch

(Student Option; Prereq: 1001)
52709 001 DIS, 11:15-12:05 MTWThF, Folwell Hall 118, In Person; Meets With: 001 DTCH 4002; Jenneke Oosterhoff ; 5 cr.

1004 Intermediate Dutch

(Student Option; Prereq: 1003)
55230 001 DIS, 14:30-15:20 MTWThF, Folwell Hall 118, In Person; Meets With: 001 DTCH 4004; Jenneke Oosterhoff ; 5 cr.

3993 Directed Studies

(Student Option; Prereq-instr consent, dept consent, college consent.)
52188 001 IND, In Person; 1-5 cr.

4002 Beginning Dutch for Graduate

Research
(Student Option;)

52710 001 DIS, 11:15-12:05 MTWThF, Folwell Hall 118, In Person; Meets With: 001 DTCH 1002; Jenneke Oosterhoff ; 5 cr.

4004 Intermediate Dutch for Graduate

Research
(Student Option;)

52731 001 DIS, 14:30-15:20 MTWThF, Folwell Hall 118, In Person; Meets With: 001 DTCH 1004; Jenneke Oosterhoff ; 5 cr.

5993 Directed Studies

(Student Option; Prereq-instr consent, dept consent, college consent.)

52189 001 IND, In Person; Jenneke Oosterhoff ; 1-4 cr.
55007 002 IND, In Person; Jenneke Oosterhoff ; 1-4 cr.

Early Modern Studies (EMS)

5500 Topics in Early Modern Studies

(Student Option; Prereq: Grad student)

67821 001 LEC, 11:15-12:30 MW, Mechanical Engineering 321, In Person; Meets With: 001 HSCI 3611001 HSCI 5611; Victor Boantzsa ; 3 cr.

Earth Sciences (ESCI)

1001 Earth and Its Environments

(Student Option; ENV,PHYS)

58286 002 LEC, Completely Online; Meets With: 102 ESCI 1101; Kent Kirkby ; 4 cr.
58288 101 LAB, 09:05-10:45 M, Ford Hall 185, In Person; 4 cr.
58289 102 LAB, 11:15-12:55 M, Ford Hall 185, In Person; 4 cr.
58290 103 LAB, 13:25-15:05 M, Ford Hall 185, In Person; 4 cr.
58291 104 LAB, 15:35-17:15 M, Ford Hall 185, In Person; 4 cr.
58292 105 LAB, 11:15-12:55 T, Ford Hall 185, In Person; 4 cr.
58293 106 LAB, 13:25-15:05 T, Ford Hall 185, In Person; 4 cr.
58294 107 LAB, 15:35-17:15 T, Ford Hall 185, In Person; 4 cr.
58295 108 LAB, 09:05-10:45 W, Ford Hall 185, In Person; 4 cr.
58296 109 LAB, 11:15-12:55 W, Ford Hall 185, In Person; 4 cr.
58297 110 LAB, 13:25-15:05 W, Ford Hall 185, In Person; 4 cr.
58298 111 LAB, 15:35-17:15 W, Ford Hall 185, In Person; 4 cr.
58445 112 LAB, 11:15-12:55 Th, Ford Hall 185, In Person; 4 cr.
60458 114 LAB, 13:25-15:05 M, Twin Cities Remote, Completely Online; 4 cr.
60459 115 LAB, 15:35-17:15 M, Twin Cities Remote, Completely Online; 4 cr.
60460 116 LAB, 13:25-15:05 W, Twin Cities Remote, Completely Online; 4 cr.
60461 117 LAB, 15:35-17:15 W, Twin Cities Remote, Completely Online; 4 cr.
66147 113 LAB, 13:25-15:05 Th, Ford Hall 185, In Person; 4 cr.
66148 001 LEC, 09:45-11:00 TTh, Rapson Hall 100, In Person; Meets With: 101 ESCI 1101; Bruce Moskowitz ; 4 cr.

1003 Dinosaurs and Our World

(Student Option; BIOL,ENV)

59180 001 LEC, 11:15-12:05 MWF, Nicholson Hall 155, In Person; Kent Kirkby ; 4 cr.
59842 101 LAB, 09:05-11:00 M, Tate Hall 160, In Person; 4 cr.
59843 102 LAB, 13:25-15:20 M, Tate Hall 160, In Person; 4 cr.
59844 103 LAB, 15:35-17:30 M, Tate Hall 160, In Person; 4 cr.
59845 104 LAB, 09:05-11:00 T, Tate Hall 160, In Person; 4 cr.
59846 105 LAB, 11:15-13:10 T, Tate Hall 160, In Person; 4 cr.
59847 106 LAB, 13:25-15:20 T, Tate Hall 160, In Person; 4 cr.
59848 107 LAB, 15:35-17:30 T, Tate Hall 160, In Person; 4 cr.
59849 108 LAB, 09:05-11:00 W, Tate Hall 160, In Person; 4 cr.
59850 109 LAB, 13:25-15:20 W, Tate Hall 160, In Person; 4 cr.

60058 110 LAB, 15:35-17:30 W, Tate Hall 160, In Person; 4 cr.
60059 111 LAB, 09:05-11:00 Th, Tate Hall 160, In Person; 4 cr.
60060 112 LAB, 11:15-13:10 Th, Tate Hall 160, In Person; 4 cr.
60339 113 LAB, 13:25-15:20 Th, Tate Hall 160, In Person; 4 cr.
60342 002 LEC, 12:20-13:10 MWF, Nicholson Hall 155, In Person; Peter Makovicky ; 4 cr.
60523 114 LAB, 09:05-11:00 F, Tate Hall 160, In Person; 4 cr.

1005 Geology and Cinema

(Student Option; ENV,PHYS)

58401 001 LEC, 14:30-15:45 TTh, Willey Hall 175, In Person; Meets With: 001 ESCI 1105; Justin Revenaugh ; 4 cr.
58419 101 LAB, 09:05-11:00 M, Tate Hall 185, In Person; 4 cr.
58420 102 LAB, 11:15-13:10 M, Tate Hall 185, In Person; 4 cr.
58421 103 LAB, 13:25-15:20 M, Tate Hall 185, In Person; 4 cr.
58422 104 LAB, 15:35-17:30 M, Tate Hall 185, In Person; 4 cr.
58423 105 LAB, 10:10-12:05 T, Tate Hall 185, In Person; 4 cr.
58424 106 LAB, 12:20-14:15 T, Tate Hall 185, In Person; 4 cr.
58425 107 LAB, 16:10-18:05 T, Tate Hall 185, In Person; 4 cr.
58426 108 LAB, 09:05-11:00 W, Tate Hall 185, In Person; 4 cr.
58791 109 LAB, 11:15-13:10 W, Tate Hall 185, In Person; 4 cr.
58792 110 LAB, 13:25-15:20 W, Tate Hall 185, In Person; 4 cr.
58793 111 LAB, 15:35-17:30 W, Tate Hall 185, In Person; 4 cr.
58794 112 LAB, 10:10-12:05 Th, Tate Hall 185, In Person; 4 cr.
59583 113 LAB, 12:20-14:15 Th, Tate Hall 185, In Person; 4 cr.
59700 114 LAB, 09:05-11:00 F, Tate Hall 185, In Person; 4 cr.
59701 115 LAB, 11:15-13:10 F, Tate Hall 185, In Person; 4 cr.

1012 Natural Disasters

(Student Option; TS)

59312 001 LEC, 10:10-11:00 MWF, Tate Hall 101, In Person; Annia Fayon ; 3 cr.

1101 Introduction to Geology (lecture only)

(Student Option; ENV)

58944 102 LEC, Completely Online; Meets With: 002 ESCI 1001; Kent Kirkby ; 3 cr.
66290 101 LEC, 09:45-11:00 TTh, Rapson Hall 100, In Person; Meets With: 001 ESCI 1001; Bruce Moskowitz ; 3 cr.

1105 Geology and Cinema (lecture only)

(Student Option; ENV)

58946 001 LEC, 14:30-15:45 TTh, Willey Hall 175, In Person; Meets With: 001 ESCI 1005; Justin Revenaugh ; 3 cr.

2101 Intro to Problems in Earth System

Science - lecture only

(A-F or Audit; ENV)

66262 001 LEC, 09:45-11:00 TTh, Tate Hall 110, In Person; Ikuko Wada, Xinyuan Zheng ; 3 cr.

2202 Earth History

(A-F only; Prereq: [2201, 2301] or instr consent)

59269 001 LEC, 11:15-12:30 TTh, Tate Hall 120, In Person; David Fox ; 4 cr.
59304 101 LAB, 09:05-10:45 F, Tate Hall 170, In Person; 4 cr.
59305 102 LAB, 11:15-12:55 F, Tate Hall 170, In Person; 4 cr.

2203 Earth Surface Dynamics

(A-F or Audit;)

59307 001 LEC, 09:45-11:00 TTh, Tate Hall 120, In Person; Jake Bailey, Vera Pospelova, Andrew Wickert ; 4 cr.
60276 103 DIS, 13:25-15:05 M, Tate Hall 170, In Person; 4 cr.
60277 104 DIS, 15:35-17:15 M, Tate Hall 170, In Person; 4 cr.

2302 Petrology

(Student Option; Prereq: 2301 or instr consent)

57929 101 LAB, 09:05-10:45 F, Tate Hall 180, In Person; 3 cr.

57930 102 LAB, 12:20-14:00 F, Tate Hall 180, In Person; 3 cr.

59933 001 LEC, 13:25-14:15 MW, Tate Hall 120, In Person; Lars Hansen, Jonas Vanardois ; 3 cr.

3002 Climate Change and Human History

(A-F or Audit; ENV)

66254 001 LEC, 10:10-11:00 MWF, Tate Hall 120, In Person; Meets With: 001 ESCI 5102; Emi Ito ; 3 cr.

3093 Directed Studies in Earth & Environmental Sciences: Junior

(Student Option; Prereq: instr consent)

58069 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

3402 Science and Politics of Global Warming

(Student Option; ENV)

67205 001 LEC, 14:30-15:45 TTh, Tate Hall 110, In Person; Meets With: 001 ESCI 5402; Joel Barker ; 3 cr.

3890 Field Workshop

(Student Option;)

65491 001 LEC, In Person; Joel Barker ; 1 cr.

3891 Field Methods

(A-F only;)

59232 001 LEC, 16:00-18:00 T, Tate Hall 110, In Person; Annia Fayon ; 2 cr.

3896 Internship in Earth and Environmental Sciences

(Student Option No Audit;)

65972 001 IND, Completely Online; Joshua Feinberg ; 1-4 cr.

3980 Seminar: Current Topics in Earth & Environmental Sciences

(S-N or Audit;)

68658 001 LEC, 15:30-16:30 W, Tate Hall 401-20, In Person; Joshua Feinberg ; 1-4 cr.

4093 Directed Studies in Earth & Environmental Sciences: Senior

(Student Option; Prereq: instr consent)

58070 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

4094 Senior Thesis

(Student Option; Prereq: Sr, Geo or ESci major, instr consent)

58071 001 IND, 00:00-00:00 , , In Person; 2 cr.

4104 Evolution and Paleobiology of Fossil Reptiles

(A-F or Audit; Prerequisites: ESCI 1001 or ESCI 1002 or Biol 1001 or Biol 1002 or Biol 1009 or instructor consent.)

66258 001 LEC, 13:00-14:15 TTh, Tate Hall B65, In Person; Peter Makovicky ; 3 cr.

4212 Geodynamics

(Student Option; Prerequisites are not met: ESCI 2201, MATH 1371 and 1372 (or equivalent), and PHYS 1301 and 1302 (or equivalent).)

66256 001 LEC, 13:25-14:15 MWF, Tate Hall B55, In Person; Meets With: 001 ESCI 8212; Ikuko Wada ; 3 cr.

4401 Aqueous Environmental Geochemistry

(Student Option;)

59915 001 LEC, 11:15-12:30 TTh, Tate Hall 401-20, In Person; Meets With: 001 ESCI 8401; William Seyfried ; 3 cr.

4602 Sedimentology and Stratigraphy

(Student Option; Prereq: ESCI 2301 or instr consent)

57931 001 LEC, 11:15-12:05 MW, Tate Hall 120, In Person; Chris Paola ; 3 cr.
57932 101 LAB, 09:05-10:45 T, Tate Hall 180, In Person; 3 cr.
57933 102 LAB, 11:15-12:55 T, Tate Hall 180, In Person; 3 cr.
68716 103 LAB, 13:25-15:05 T, , In Person; 3 cr.

4702 General Hydrogeology

(Student Option; Prereq: [concurrent registration is required (or allowed) in CHEM 1062, concurrent registration is required (or allowed) in CHEM 1066, MATH 1271, PHYS 1201] or instr consent)

59193 001 LEC, 13:00-14:15 TTh, Tate Hall 120, In Person; Peter Kang, Anthony Runkel ; 4 cr.

52679 033 LEC, 16:00-17:15 MW, Hanson Hall 1-106, In Person; 4 cr.
 52680 034 DIS, 17:30-18:20 W, Blegen Hall 225, In Person; 4 cr.
 52909 046 LEC, 16:00-17:15 TTh, Hanson Hall 1-108, In Person; 4 cr.
 52910 047 DIS, 17:30-18:20 W, Blegen Hall 230, In Person; 4 cr.
 53327 050 DIS, 17:30-18:20 W, Blegen Hall 205, In Person; 4 cr.
 53328 051 DIS, 17:30-18:20 Th, Blegen Hall 205, In Person; 4 cr.
 53693 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Jacob Strauss ; 4 cr.
 55356 002 DIS, 13:25-14:15 W, Blegen Hall 140, In Person; 4 cr.
 55556 006 DIS, 13:25-14:15 W, Blegen Hall 260, In Person; 4 cr.
 67904 036 DIS, 17:30-18:20 W, Blegen Hall 140, In Person; 4 cr.

1102 Principles of Macroeconomics

(Student Option; Prereq: [1101 or equiv], knowledge of plane geometry and advanced algebra)
 52136 001 LEC, 09:45-11:00 TTh, Willey Hall 175, In Person; 4 cr.
 52137 002 DIS, 11:15-12:05 F, Blegen Hall 220, In Person; 4 cr.
 52138 003 DIS, 11:15-12:05 F, Blegen Hall 230, In Person; 4 cr.
 52140 005 DIS, 10:10-11:00 F, Blegen Hall 155, In Person; 4 cr.
 52143 008 DIS, 12:20-13:10 F, Blegen Hall 125, In Person; 4 cr.
 52151 022 DIS, 13:25-14:15 F, Blegen Hall 115, In Person; 4 cr.
 52605 023 DIS, 09:05-09:55 F, Blegen Hall 330, In Person; 4 cr.
 52682 033 LEC, 16:00-17:15 MW, West Bank Skyway 20, In Person; Minuk Kim ; 4 cr.
 52683 034 DIS, 17:30-18:20 W, Blegen Hall 115, In Person; 4 cr.
 53694 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Jacob Wright ; 4 cr.
 54426 038 DIS, 17:30-18:20 M, Blegen Hall 240, In Person; 4 cr.
 54427 037 DIS, 17:30-18:20 W, Blegen Hall 125, In Person; 4 cr.

1165 Business Economics

(A-F only; SOCS)
 66009 001 LEC, 09:45-11:00 TTh, Anderson Hall 330, In Person; Thu-Mai Ho-Kim ; 4 cr.
 66010 002 DIS, 09:05-09:55 F, Blegen Hall 225, In Person; 4 cr.
 66011 003 DIS, 10:10-11:00 F, Blegen Hall 145, In Person; 4 cr.
 66013 005 LEC, 14:30-15:45 MW, Anderson Hall 330, In Person; Adway De ; 4 cr.
 66015 007 DIS, 10:10-11:00 F, Blegen Hall 130, In Person; 4 cr.
 66016 008 DIS, 11:15-12:05 F, Blegen Hall 225, In Person; 4 cr.

3101 Intermediate Microeconomics

(A-F only; Prereq: [(1101, 1102) or equiv], [MATH 1271 or equiv])
 51869 001 LEC, 08:15-09:30 TTh, Anderson Hall 250, In Person; Thomas Holmes ; 4 cr.
 51870 002 DIS, 09:05-09:55 F, Blegen Hall 230, In Person; 4 cr.
 51871 003 DIS, 09:05-09:55 F, Blegen Hall 235, In Person; 4 cr.
 53191 004 DIS, 10:10-11:00 F, Blegen Hall 235, In Person; 4 cr.
 53371 006 DIS, 11:15-12:05 F, Blegen Hall 235, In Person; 4 cr.

3102 Intermediate Macroeconomics

(A-F only; Prereq: 3101 or equiv)
 55344 001 LEC, 09:45-11:00 TTh, Anderson Hall 270, In Person; 4 cr.
 55345 002 DIS, 09:05-09:55 F, Blegen Hall 125, In Person; 4 cr.
 55346 004 DIS, 11:15-12:05 F, Blegen Hall 140, In Person; 4 cr.
 55347 003 DIS, 10:10-11:00 F, Blegen Hall 125, In Person; 4 cr.
 68618 005 DIS, 11:15-12:05 F, Carlson School of Mgmt 2-233, In Person; 4 cr.

3896 Internship for Academic Credit

(Student Option;)
 54797 001 FWK, 00:00-00:00 , ONLINE, Completely Online; Annie Bigley ; 1-4 cr.

3951 Economics Capstone

(A-F only; Prereq: 3101, 3102, [STAT 3011 or equiv], [STAT 3022 or equiv], two [3xxx or 4xxx] ECON courses, at least one 4xxx ECON writing intensive course, freshman writing requirement satisfied)
 51872 001 IND, 09:45-11:00 MW, Twin Cities Remote, Completely Online; 2 cr.

3991 Independent Study

(A-F or Audit; Prereq: 3101, 3102, dept consent)
 51873 001 IND, 00:00-00:00 , , In Person; 1-3 cr.

3993 Directed Studies

(Student Option; Prereq: 3101, 3102, 4261, two semesters of statistics)
 51874 001 IND, 00:00-00:00 , , In Person; 1-3 cr.

4118 Advanced Mathematical Economics

(A-F only; Prereq: ECON 3101, 3102, MATH 1271, MATH 1272, MATH 2243 or equivalent courses; and at least two 4xxx level economics electives.)
 54831 001 LEC, 16:00-18:00 TTh, Hanson Hall 1-109, In Person; Professor B Allen ; 4 cr.

4163 Microeconomic Analysis III

(A-F only; Prerequisites. The requirements are basic probability and real analysis concepts; these will be reviewed in the first lectures. prereq: 3101, 3102, 4162, MATH 2243, MATH 2263, dept consent)
 55908 001 LEC, 14:30-15:45 TTh, No Print, In Person; Aldo Rustichini ; 2 cr.
 55909 002 DIS, 16:30-17:45 W, No Print, In Person; 2 cr.

4164 Microeconomic Analysis IV

(A-F only; Prereq: 3101, 3102, 4163, MATH 2243, MATH 2263, [(STAT 4101, STAT 4102) or equiv], dept consent)
 66181 001 LEC, 14:30-15:45 TTh, Blegen Hall 335, In Person; David Rahman ; 2 cr.
 66182 002 DIS, 16:30-17:45 W, Blegen Hall 330, In Person; 2 cr.

4211 Principles of Econometrics

(Student Option; Prereq: [3101 or equiv], [Stat 3011 or equivalent, Stat 3022 or equivalent] or higher level Stat courses)
 54376 001 LEC, 08:15-09:30 TTh, Hanson Hall 1-108, In Person; 4 cr.
 54377 002 DIS, 11:15-12:30 T, Anderson Hall 330, In Person; 4 cr.

4261 Introduction to Econometrics

(A-F or Audit; 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)
 52914 001 LEC, 08:15-09:30 TTh, Blegen Hall 255, In Person; Joseph Mullins ; 4 cr.
 52915 002 DIS, 14:30-15:20 Th, Blegen Hall 240, In Person; 4 cr.
 53565 004 DIS, 13:25-14:15 Th, Blegen Hall 145, In Person; 4 cr.

4311 Economy of Latin America

(Student Option; Prereq: [MATH 1271, ECON 1101, ECON 1102] or equiv)
 51891 001 LEC, 17:00-19:30 W, Blegen Hall 317, In Person; 3 cr.

4317 The Chinese Economy

(A-F only; Prereqs: [MATH 1271, ECON 1101, ECON 1102] or equivalent courses)
 54127 001 LEC, 17:00-19:30 M, Blegen Hall 317, In Person; 3 cr.

4331W Economic Development

(Student Option; Prereq: [(3101, 3102) or equiv], completion of freshman writing practice(WI))
 53627 001 LEC, 16:00-17:15 MW, Hanson Hall 1-111, In Person; 3 cr.

4341 Economics of Poverty and Income Inequality

(A-F only; Prereq: include Econ 3101 or equiv; Econ majors.)
 55547 001 LEC, 14:30-15:45 MW, Blegen Hall 220, In Person; Fahima Aziz ; 3 cr.

4431W International Trade

(Student Option; Prereq: [3101, 3102] or equiv, freshman writing practice(GP,WI))
 52497 001 LEC, 11:15-12:30 TTh, Blegen Hall 130, In Person; 3 cr.

4432W International Finance

(A-F only; Prereq: 3101, 3102 or equiv; WI)
 51875 001 LEC, 08:15-09:30 MW, Hanson Hall 1-111, In Person; 3 cr.

4438W Advanced International Trade

(A-F only; Prereq: [3101, 3102] or equiv, Math 1271, completion of freshman writing practice, [Math 1272 or equiv](GP,WI))
 54128 001 LEC, 16:00-17:40 MW, Blegen Hall 215, In Person; Erzo Luttmer ; 4 cr.

4531 Labor Economics

(Student Option; Prereq: 3101, 3102 or equiv)
 53370 001 LEC, 08:15-09:30 MW, Hanson Hall 1-107, In Person; 3 cr.

4631 Industrial Organization and Antitrust Policy

(Student Option; Prereq: 3101 or equiv)
 54834 001 LEC, 13:00-14:15 MW, Blegen Hall 255, In Person; 3 cr.

4721 Money and Banking

(A-F only; Prereq: [3101, 3102] or equiv)
 51876 001 LEC, 09:45-11:00 TTh, Blegen Hall 255, In Person; 3 cr.

4751 Financial Economics

(Student Option; Prereq: [3101 or equiv], [MATH 1271 or equiv], one sem statistics)
 53256 001 LEC, 14:30-15:45 TTh, Blegen Hall 255, In Person; 3 cr.

4758 Advanced Financial Economics

(A-F only; Prereq: 3101, [3102 or equiv], [Math 1271 or equiv], [Stat 3011 or equiv], [Math 1272 or equiv])
 54215 001 LEC, 12:20-14:00 TTh, Blegen Hall 125, In Person; Jan Werner ; 4 cr.

4821 Public Economics

(A-F only; Prereq: [3101, 3102] or equiv)
 53626 001 LEC, 08:15-09:30 TTh, Blegen Hall 317, In Person; 3 cr.

4831 Cost-Benefit Analysis

(A-F only; Prereq: [MATH 1271, ECON 1101, ECON1102, ECON 3101] or equiv)
 52684 001 LEC, 11:15-12:30 MW, Hanson Hall 1-103, In Person; 3 cr.

4993 Directed Study

(Student Option; Prereq: dept consent)
 51877 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

Ecuador (ECDR)**Educational Psychology (EPSY)****1261 Understanding Data Stories through Visualization & Computing**

(Student Option; MATH)
 51249 001 LEC, 09:45-11:00 TTh, Peik Hall 215, In Person; Regina Lisinker ; 3 cr.
 51264 002 LEC, 11:15-12:30 TTh, Peik Hall 155, In Person; Suzanne Loch ; 3 cr.

1281 Psychological Science Applied

(A-F only; SOCS)
 51205 001 LEC, 09:05-09:55 MW, Keller Hall 3-210, In Person; Martin Van Boekel ; 4 cr.
 51206 002 LAB, 15:35-16:25 TTh, Folwell Hall 106, In Person; Martin Van Boekel ; 4 cr.
 51207 003 LAB, 09:05-09:55 TTh, Appleby Hall 219, In Person; Martin Van Boekel ; 4 cr.
 51208 004 LAB, 15:35-16:25 TTh, Folwell Hall 122, In Person; Martin Van Boekel ; 4 cr.
 51536 006 LAB, 09:05-09:55 TTh, Ford Hall B15, In Person; Martin Van Boekel ; 4 cr.

2201 Basics of Research Methods

(A-F only;)
 51673 001 LEC, 10:10-11:00 MW, Burton Hall 125, In Person; Danielle Dupuis ; 2 cr.

2201H Basics of Research Methods for Honors Students

(A-F only;)

51674 001 LEC, 10:10-11:00 MW, Appleby Hall 103, In Person; Danielle Dupuis ; 2 cr.

2601 Understanding Differences, Disabilities, and the Career of Special Education
(A-F only; DSJ)

51114 001 LEC, 11:45-14:15 TTh, Amundson Hall 104, In Person; Rebecca Kolb ; 4 cr.

3002 Demystifying and Engaging the Research Process
(Student Option;)

67299 001 DIS, 14:30-16:00 MW, Ford Hall B80, In Person; Anthony Albecker ; 3 cr.

3101 Creativity and Intelligence: an Introduction
(Student Option No Audit;)

50948 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Meets With: 001 EPSY 5101; William Bart ; 3 cr.

3119 Learning, Cognition, and Assessment
(A-F or Audit;)

50279 001 LEC, 13:00-14:15 T, Anderson Hall 370, In Person; Meets With: 001 EPSY 5001; James Houseworth ; 3 cr.

51043 002 LAB, 13:00-14:15 Th, Peik Hall 155, In Person; Meets With: 002 EPSY 5001; James Houseworth ; 3 cr.

51044 003 LAB, 13:00-14:15 Th, Appleby Hall 11, In Person; Meets With: 003 EPSY 5001; James Houseworth ; 3 cr.

68590 004 LAB, 13:00-14:15 Th, Bruininks Hal 121, In Person; James Houseworth ; 3 cr.

3132 Psychology of Multiculturalism in Education
(A-F or Audit; DSJ)

51335 001 LEC, 11:15-12:30 TTh, Peik Hall 225, In Person; Tai Do ; 3 cr.

3264 Basic and Applied Statistics

(Student Option; MATH)

50300 001 LEC, 09:45-11:00 MW, Bruininks Hall 530A, In Person; Qian Zhao ; 3 cr.

50472 002 LEC, 09:45-11:00 TTh, Bruininks Hall 530A, In Person; Suzanne Loch ; 3 cr.

50507 003 LEC, 13:00-14:15 TTh, Bruininks Hall 432, In Person; Jesslyn Valerie ; 3 cr.

50755 004 LEC, 00:00-00:00 , ONLINE, Completely Online; Suzanne Loch ; 3 cr.

3303 Educational Psychology Undergraduate Practicum
(A-F or Audit;)

66445 001 FWK, 14:30-16:25 M, Peik Hall 375, In Person; Meets With: 001 EPSY 3303H; Caitlin Mills ; 3 cr.

3303H Honors Educational Psychology Undergraduate Practicum
(A-F or Audit;)

66446 001 FWK, 14:30-16:25 M, Peik Hall 375, In Person; Meets With: 001 EPSY 3303; Caitlin Mills ; 3 cr.

3701 Practicum: Field Experience in General Education - Inclusive Classrooms
(S-N only;)

51115 001 FWK, In Person; Charissa O'Neill ; 1-2 cr.

3801 The Science of Human Resilience and Wellbeing: Foundational Knowledge for Career and Life Success
(A-F or Audit; SOCS)

51342 001 LEC, 09:45-11:00 MW, Elliott Hall N647, In Person; Jessie Kember ; 3 cr.

3802 Contemporary Issues in School Psychology
(A-F only;)

51623 001 LEC, 11:15-12:30 MW, Peik Hall 155, In Person; Sarah Wollersheim Shervy ; 3 cr.

4001 Teaching Students with Special Needs in Inclusive Settings

(A-F only; Prereq: Must be enrolled in either the initial teaching licensure program for music education or agricultural education students. All other initial teaching licensure candidates should enroll in 5015 and 5016.)

51092 001 DIS, 08:05-11:00 W, Appleby Hall 226, In Person; Amber Reilly ; 1 cr.

4994 Faculty Directed Research in Educational Psychology
(A-F only; Prereq: instr consent)

51675 001 IND, In Person; Kathy Seifert ; 1-6 cr.

5001 Learning, Cognition, and Assessment

(Student Option; Prereq: MED/initial licensure student or CLA music ed or preteaching major or instr consent; psych course recommended)

50421 001 LEC, 13:00-14:15 T, Anderson Hall 370, In Person; Meets With: 001 EPSY 3119; James Houseworth ; 3 cr.

51041 002 LAB, 13:00-14:15 Th, Peik Hall 155, In Person; Meets With: 002 EPSY 3119; James Houseworth ; 3 cr.

51042 003 LAB, 13:00-14:15 Th, Appleby Hall 11, In Person; Meets With: 003 EPSY 3119; James Houseworth ; 3 cr.

51161 005 LEC, 16:30-17:45 T, Peik Hall 155, In Person; 3 cr.

51162 006 LAB, 17:55-19:10 T, Peik Hall 155, In Person; 3 cr.

5016 Teaching Students with Special Needs in Inclusive Settings
(A-F only; Prereq: Enrolled in teacher initial licensure program)

51023 001 FWK, 16:40-19:20 Th, Burton Hall 123, Partially Online; 1 cr.

5101 Intelligence and Creativity

(A-F or Audit;)

50758 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Meets With: 001 EPSY 3101; William Bart ; 3 cr.

5116 Education of the Gifted and Talented
(Student Option No Audit;)

51202 001 LEC, 00:00-00:00 , ONLINE, Completely Online; William Bart ; 3 cr.

5123 Programming Workflows for Psychological Research

(Student Option; Prereq: Students should have taken an undergraduate- or graduate-level statistics course.)

51584 001 DIS, 14:30-17:10 W, Peik Hall 155, In Person; Jeffrey Bye ; 3 cr.

5151 Cooperative Learning

(Student Option;)

51062 001 LEC, 08:00-17:00 Sa, Folwell Hall 108, 08:00-13:00 Sa, Folwell Hall 108, In Person; David Johnson ; 3 cr.

5157 Social & Developmental Psychology of Education
(A-F or Audit;)

51527 001 LEC, 08:30-11:00 T, Twin Cities Remote, Completely Online; Martin Van Boekel ; 3 cr.

5221 Principles of Educational and Psychological Measurement
(Student Option;)

51524 002 LEC, 09:45-11:00 TTh, Appleby Hall 302, In Person; Chia-Yi Chiu ; 3 cr.

5243 Principles and Methods of Evaluation

(Student Option;)

50951 001 LEC, Completely Online; Meets With: 001 OLPD 5501; Stuart Yeh ; 3 cr.

51358 002 LEC, 16:40-19:20 W, Appleby Hall 302, In Person; Meets With: 002 OLPD 5501; Stuart Yeh ; 3 cr.

5261 Introductory Statistical Methods

(Student Option;)

51515 001 LEC, 14:30-15:45 TTh, Bruininks Hall 530A, In Person; Chelsey Legacy ; 3 cr.

51516 002 LEC, Completely Online; Chelsey Legacy ; 3 cr.

5262 Intermediate Statistical Methods

(Student Option; Prereq: 3264 or 5261 or equiv)

50783 001 LEC, 14:30-15:45 MW, Bruininks Hall 420B, In Person; Chelsey Legacy ; 3 cr.

5400 Special Topics in Counseling

Psychology

(Student Option;)

66298 001 LEC, 15:30-16:30 T, Wulling Hall 220, In Person; Marguerite Ohrtman ; 1-4 cr.

5403 Counseling Diverse Populations

(A-F or Audit;)

50278 001 DIS, 09:00-12:00 M, Appleby Hall 219, In Person; Feven Seifu ; 3 cr.

5407 Diagnosis and Treatment in Counseling
(A-F only;)

50787 001 LEC, 12:20-15:20 Th, Akerman Hall 225, In Person; Seth Christman ; 3 cr.

5409 Trauma and Crisis Counseling

(A-F only;)

51533 001 LEC, 16:40-19:20 M, Appleby Hall 219, In Person; Cristina Silva Gleason ; 3 cr.

5417 Counseling Research Practicum
(Student Option;)

66409 001 DIS, 13:00-15:00 M, Twin Cities Remote, Completely Online; Sherri Turner ; 1-2 cr.

66410 002 DIS, 13:00-15:00 M, Twin Cities Remote, Completely Online; Sherri Turner ; 1-2 cr.

5427 Advanced Counseling Research Practicum

(Student Option; Prereq: Completion of EPSY 5417 for 2 credit hours)

66440 001 DIS, 13:00-15:00 M, Twin Cities Remote, Completely Online; Sherri Turner ; 2 cr.

5437 Counseling Research Design & Evidence-Based Practices
(A-F only;)

51534 001 LEC, 16:40-19:20 Th, Folwell Hall 103, Partially Online; Sherri Turner ; 3 cr.

5439 Case Conceptualization and Treatment Planning - Clinical Mental Health

(A-F only;)

51532 001 LEC, 15:35-18:15 M, Appleby Hall 128, In Person; Feven Seifu ; 3 cr.

5481 Practicum in School Counseling

(A-F only;)

51529 001 FWK, 09:00-12:00 W, Education Sciences Bldg 125, In Person; Marguerite Ohrtman ; 3 cr.

51530 002 FWK, 16:30-19:30 W, Education Sciences Bldg 125, In Person; Susan Caponi Arvidson ; 3 cr.

51531 003 FWK, 16:30-19:30 W, Burton Hall 125, In Person; Jeanette Vyhanek ; 3 cr.

67558 004 FWK, 16:30-19:30 W, Elliott Hall N227, In Person; Eman Abdullahi ; 3 cr.

5484 Internship II

(A-F or Audit;)

50280 001 FWK, 09:00-12:00 W, Peik Hall 25, In Person; Feven Seifu ; 3 cr.

50489 003 FWK, 12:00-15:00 T, Peik Hall 25, In Person; Marguerite Ohrtman ; 3 cr.

51535 002 FWK, 09:00-12:00 Th, Education Sciences Bldg 125, In Person; Seth Christman ; 3 cr.

66411 004 FWK, 12:00-15:00 T, Education Sciences Bldg 125, In Person; Carolyn Berger ; 3 cr.

5604 Transition From School to Work and Community Living for Persons With Special Needs

(Student Option;)

50276 001 LEC, 16:40-19:20 M, Twin Cities Remote, Completely Online; Michele Rogers, Jacob Anderson ; 3 cr.

5605W Collaborative Practices for the Special Educator
(A-F only; WI)

51116 001 LEC, 16:40-19:20 Th, Bruininks Hall 512B, In Person; Kathy Seifert ; 3 cr.

5614W Assessment and Due Process in Special Education
(A-F or Audit; WI)

50273 001 LEC, 16:40-19:20 W, Elliott Hall N647, In Person; Kathy Seifert ; 3 cr.

51421 002 LEC, 16:40-19:20 W, Twin Cities Remote, Completely Online; Megan Halverson ; 3 cr.

5616W Classroom Management and Behavior Analytic Problem Solving

(Student Option; Prereq: For online sections, students must be an ASD certificate candidate or a Special Education Major or Special Education M.Ed./M.A.WI)

50552 001 LEC, 14:30-15:45 TTh, Rapson Hall 45, In Person; Robert Henery, Amy Kunkel ; 3 cr.
50914 003 LEC, 16:40-19:20 Th, Twin Cities Remote, Completely Online; Amy Kunkel, Robert Henery ; 3 cr.

5617 Academic and Social Interventions for Students with Mild to Moderate Disabilities

(A-F only;)
51063 001 LEC, 16:40-19:20 T, Appleby Hall 302, In Person; Kathy Seifert ; 3 cr.

5627 Seminar: Advanced issues in Learning Disabilities

(A-F only; Prereq: Special Education graduate or licensure student or instr consent)
68019 001 LEC, 09:05-12:05 T, Vincent Hall 213, In Person; Mollie Weeks ; 3 cr.

5631 Module 1: Introduction to Augmentative and Alternative Communication

(A-F only;)
51065 001 LEC, Completely Online; Brenna Pham ; 1 cr.

5632 Module 2: Evidence-based Methods for AAC Assessment and Intervention

(A-F only;)
66449 001 LEC, Completely Online; Brenna Pham ; 2 cr.

5645 Deaf Plus: Educating and Understanding Deaf Students with Disabilities

(A-F only;)
51277 001 LEC, 18:40-20:20 W, Lrng & Environmental Sci 140A, Partially Online; Kelly Anderson ; 2 cr.

5646 Best Practices Teaching Reading and Writing for School Age: Deaf and Hard of Hearing

(A-F only;)
51269 001 LEC, 16:40-19:20 M, Lrng & Environmental Sci 140A, Partially Online; Janet Caven ; 3 cr.

5651 Best Practices Teaching Content Areas: Deaf Education

(A-F only;)
51064 001 LEC, 16:40-19:20 , ONLINE BLENDED, 16:40-19:20 T, Lrng & Environmental Sci 140A, Primarily Online; Debbie Golos, Brynn Roemen ; 3 cr.

5654 Current Research, Issues Trends in Deaf Education

(A-F only;)
51270 001 DIS, 16:40-18:30 W, Lrng & Environmental Sci 140A, Primarily Online; Debbie Golos ; 1 cr.

5663 Assessment and Intervention for Individuals with Autism Spectrum Disorder

(A-F only; Prereq: 5661, Special Ed grad, licensure student, ASD Certificate student, IDP major or instr consent)
51496 001 LEC, 16:40-19:20 T, Twin Cities Remote, Completely Online; M. Y. Savana Bak ; 3 cr.

5699 Experimental Teaching Seminar

(A-F only; Prereq: instr consent)
51068 001 LEC, 16:40-18:20 W, Twin Cities Remote, Completely Online; Robert Henery ; 2 cr.

5701 Practicum: Field Experience in General Education - Inclusive Classrooms

(S-N only;)
50471 001 FWK, In Person; Charissa O'Neill ; 1-2 cr.

5703 Applied Behavior Analysis: Supervision Seminar II

(A-F only;)
68048 001 FWK, 10:00-11:00 T, Twin Cities Remote, Completely Online; M. Y. Savana Bak ; 1 cr.

5704 Clinical: Field Experiences in Middle and Secondary (HS/T) Special Education Classrooms

(S-N only;)

51066 001 FWK, In Person; Charissa O'Neill ; 1-2 cr.
51273 002 FWK, In Person; Charissa O'Neill ; 1-2 cr.
51274 003 FWK, In Person; Janet Caven ; 1-2 cr.
51275 004 FWK, In Person; Janet Caven ; 1-2 cr.

5705 Clinical: Field Experiences in ECSE or Elementary Special Education Classrooms

(S-N only;)
51067 001 FWK, In Person; Charissa O'Neill ; 1-2 cr.
51271 002 FWK, In Person; Charissa O'Neill ; 1-2 cr.
51272 003 FWK, In Person; Janet Caven ; 1-2 cr.
51276 004 FWK, In Person; Janet Caven ; 1-2 cr.

5741 Student Teaching: Academic and Behavioral Strategist

(S-N only; Prereq: Special education licensure program or instr consent)
51117 001 FWK, Completely Online; Brenna Rudolph ; 3-6 cr.

5751 Student Teaching for Deaf Education

(A-F only;)
51494 001 FWK, Completely Online; Debbie Golos ; 1-6 cr.

5761 Student Teaching in Early Childhood Special Education Settings for Children Aged Three to Five Years

(S-N only; 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)
50885 001 FWK, 17:00-20:00 W, Twin Cities Remote, Completely Online; Meets With: 001 EPSY 5762; Brenna Rudolph ; 3 cr.

5762 Student Teaching in Early Childhood Special Education for Children Aged Birth to Three Years

(S-N only; 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)
50886 001 FWK, 17:00-20:00 W, Twin Cities Remote, Completely Online; Meets With: 001 EPSY 5761; Brenna Rudolph ; 3 cr.

5851 Engaging Diverse Students and Families

(Student Option; Prereq: Honors senior or grad student)
51261 001 DIS, 09:05-11:55 W, Appleby Hall 219, In Person; Annie Hansen-Burke ; 3 cr.

5991 Independent Study in Educational Psychology

(A-F or Audit; Prereq: instr consent)
50381 001 IND, Completely Online; Amy Kunkel ; 1-8 cr.
50382 002 IND, Independent/Directed Study; 1-8 cr.
50383 003 IND, Independent/Directed Study; 1-8 cr.
50384 004 IND, Independent/Directed Study; 1-8 cr.
51129 005 IND, Independent/Directed Study; 1-8 cr.
51242 006 IND, In Person; 1-8 cr.

Educational/Human Development (EDHD)

1525W CEHD First Year Experience

(A-F only; WI)
51608 001 LEC, 12:20-14:15 TTh, Appleby Hall 303, In Person; Lori Laster ; 4 cr.

1620 Current Topics: Strategies for Student Success

(Student Option;)
67189 001 LEC, 14:30-16:25 Th, Peik Hall 225, In Person; Jonathan Andicochea ; 1-4 cr.
67190 002 LEC, 12:20-14:15 Th, Appleby Hall 3, In Person; Sophie Olson ; 1-4 cr.
67191 003 LEC, 11:15-13:10 W, Peik Hall 215, In Person; Stephanie Erickson ; 1-4 cr.

1904 Globalizing your Undergraduate Curriculum

(A-F only; GP,IP)

67150 001 LEC, 17:00-20:00 T, Appleby Hall 226, In Person; Irene Duranczyk ; 3 cr.

2701 Your Future: Identity, Culture & Career Success

(Student Option No Audit;)
51289 001 LEC, 14:30-16:25 T, Bruininks Hall 420A, In Person; Nick Goffard ; 1 cr.

Electrical & Computer Eng (EE)

1001 Introduction to Electrical and Computer Engineering

(S-N or Audit;)
58034 001 LEC, 16:00-17:45 T, Akerman Hall 319, In Person; Marc Riedel ; 1 cr.

1301 Introduction to Computing Systems

(Student Option;)
58135 001 LEC, 14:30-15:45 TTh, Rapson Hall 100, In Person; John Sartori ; 4 cr.
58136 002 LAB, 16:00-17:55 T, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
58356 005 LAB, 11:15-13:10 W, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
59710 003 LAB, 09:05-11:00 W, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
59711 008 LAB, 09:05-11:00 Th, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
60177 009 LAB, 11:15-13:10 Th, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
60315 004 LAB, 13:00-14:55 M, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
60316 010 LAB, 13:00-14:55 F, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
60525 011 LAB, 11:15-13:10 T, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
68612 007 LAB, 16:00-17:55 Th, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
68613 006 LAB, 16:00-17:55 W, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
68677 012 LAB, 09:05-11:00 M, Keller Hall 4-138, In Person; John Sartori ; 4 cr.
68678 013 LAB, 09:05-11:00 F, Keller Hall 4-138, In Person; John Sartori ; 4 cr.

2015 Signals, Circuits and Electronics

(Student Option; 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))
60044 001 LEC, 09:45-11:00 TTh, Akerman Hall 209, In Person; Sharat Batra ; 4 cr.
60045 002 DIS, 13:25-14:15 T, Lind Hall L120, In Person; Sharat Batra ; 4 cr.
60046 003 DIS, 14:30-15:20 T, Keller Hall 2-260, In Person; Sharat Batra ; 4 cr.
60047 004 LAB, 11:15-13:10 W, Keller Hall 3-144, In Person; Sharat Batra ; 4 cr.
60048 005 LAB, 13:25-15:20 W, Keller Hall 3-144, In Person; Sharat Batra ; 4 cr.
60049 006 LAB, 11:15-13:10 Th, Keller Hall 3-144, In Person; Sharat Batra ; 4 cr.
60050 007 LAB, 13:25-15:20 Th, Keller Hall 3-144, In Person; Sharat Batra ; 4 cr.

2115 Analog and Digital Electronics

(Student Option; Prereq: 2015)
60070 002 DIS, 13:25-14:15 T, Akerman Hall 317, In Person; Abolghassem Mahmoodi ; 4 cr.
60073 007 LAB, 11:15-13:10 M, Keller Hall 3-136, In Person; Abolghassem Mahmoodi ; 4 cr.
60074 003 DIS, 14:30-15:20 T, Akerman Hall 227, In Person; Bethanie Stadler ; 4 cr.
60075 004 DIS, 11:15-12:05 W, Akerman Hall 317, In Person; Yahya Tousei ; 4 cr.
60076 005 DIS, 14:30-15:20 W, Akerman Hall 317, In Person; Yahya Tousei ; 4 cr.
60077 006 DIS, 14:30-15:20 Th, Akerman Hall 227, In Person; Abolghassem Mahmoodi ; 4 cr.
60078 008 LAB, 13:25-15:20 M, Keller Hall 3-136, In Person; Abolghassem Mahmoodi ; 4 cr.
60079 009 LAB, 11:15-13:10 T, Keller Hall 3-136, In Person; Abolghassem Mahmoodi ; 4 cr.
60080 010 LAB, 13:25-15:20 T, Keller Hall 3-136, In Person; Abolghassem Mahmoodi ; 4 cr.
60081 011 LAB, 11:15-13:10 W, Keller Hall 3-136, In Person; Abolghassem Mahmoodi ; 4 cr.
60082 012 LAB, 13:25-15:20 W, Keller Hall 3-136, In Person; Abolghassem Mahmoodi ; 4 cr.
60083 013 LAB, 11:15-13:10 Th, Keller Hall 3-136, In Person; Abolghassem Mahmoodi ; 4 cr.

60084 014 LAB, 13:25-15:20 Th, Keller Hall 3-136, In Person; 4 cr.
 60085 001 LEC, 09:45-11:00 TTh, Vincent Hall 16, In Person; 4 cr.
 60199 015 LAB, 11:15-13:10 F, Keller Hall 3-136, In Person; 4 cr.
 60200 016 LAB, 13:25-15:20 F, Keller Hall 3-136, In Person; 4 cr.

2301 Introduction to Digital System Design

(Student Option; Prereq: [EE 1301 (preferred) or CSCI 1113 or CSCI 1103 or CSci 1133])

57867 001 LEC, 09:05-09:55 MWF, Anderson Hall 270, In Person; Abolghassem Mahmoudi ; 4 cr.
 57868 014 LAB, 11:15-13:10 T, Keller Hall 2-178, In Person; Abolghassem Mahmoudi ; 4 cr.
 58355 016 LAB, 11:15-13:10 W, Keller Hall 2-178, In Person; Abolghassem Mahmoudi ; 4 cr.
 59246 002 DIS, 12:20-13:10 T, Akerman Hall 215, In Person; 4 cr.
 59252 003 DIS, 12:20-13:10 W, Akerman Hall 215, In Person; Abolghassem Mahmoudi ; 4 cr.
 60361 004 DIS, 14:30-15:20 W, Akerman Hall 215, In Person; Abolghassem Mahmoudi ; 4 cr.
 60362 018 LAB, 11:15-13:10 Th, Keller Hall 2-178, In Person; Abolghassem Mahmoudi ; 4 cr.
 60363 019 LAB, 13:25-15:20 Th, Keller Hall 2-178, In Person; Abolghassem Mahmoudi ; 4 cr.

2361 Introduction to Microcontrollers

(Student Option; Prereq: EE 2301)
 57888 001 LEC, 10:10-11:00 MWF, Tate Hall 105, In Person; Changhyun Choi ; 4 cr.
 58125 017 LAB, 11:15-13:10 M, Keller Hall 2-182, In Person; Changhyun Choi ; 4 cr.
 58126 021 LAB, 11:15-13:10 W, Keller Hall 2-182, In Person; Changhyun Choi ; 4 cr.
 58127 018 LAB, 13:25-15:20 M, Keller Hall 2-182, In Person; Changhyun Choi ; 4 cr.
 58300 022 LAB, 13:25-15:20 W, Keller Hall 2-182, In Person; Changhyun Choi ; 4 cr.
 58353 020 LAB, 13:25-15:20 T, Keller Hall 2-182, In Person; Changhyun Choi ; 4 cr.
 58354 023 LAB, 11:15-13:10 Th, Keller Hall 2-182, In Person; Changhyun Choi ; 4 cr.
 58446 024 LAB, 13:25-15:20 Th, Keller Hall 2-182, In Person; Changhyun Choi ; 4 cr.
 58447 025 LAB, 11:15-13:10 F, Keller Hall 2-182, In Person; Changhyun Choi ; 4 cr.
 59247 002 DIS, 15:35-16:25 M, Keller Hall 4-138, In Person; Changhyun Choi ; 4 cr.
 59248 003 DIS, 13:25-14:15 T, Keller Hall 4-138, In Person; Andrew Lamperski ; 4 cr.
 59249 004 DIS, 13:25-14:15 W, Keller Hall 4-138, In Person; Sachin Sapatnekar ; 4 cr.
 59250 005 DIS, 14:30-15:20 W, Keller Hall 4-138, In Person; Gerald Sobelman ; 4 cr.
 59652 026 LAB, 13:25-15:20 F, Keller Hall 2-182, In Person; Changhyun Choi ; 4 cr.

2701 Sustainable Electricity Supply: Renewables and Conservation

(Student Option; Prerequisite: Physics 1302W (or equivalent)TS)

60364 001 LEC, 13:25-14:40 MW, Peik Gymnasium G55, In Person; Ned Mohan, Siddharth Raju ; 3 cr.

2703 Sustainable Electricity Supply: Renewables and Conservation Lab

(Student Option;)

60365 002 LAB, 15:45-17:45 W, Keller Hall 3-146, In Person; Ned Mohan, Siddharth Raju ; 1 cr.

3005 Fundamentals of Electrical Engineering

(Student Option; Prereq: Math 2243, Phys 1302; not for EE majors)

57875 001 LEC, 09:05-09:55 MTWTh, Tate Hall 101, In Person; Jeong-Hyun Cho ; 4 cr.

3006 Fundamentals of Electrical Engineering Laboratory

(Student Option; Prereq: Concurrent enrollment in 3005 is allowed but not required)

57876 004 LAB, 15:35-17:30 M, Keller Hall 3-144, In Person; Jeong-Hyun Cho ; 1 cr.
 57877 005 LAB, 11:15-13:10 T, Keller Hall 3-144, In Person; Jeong-Hyun Cho ; 1 cr.
 57878 006 LAB, 13:25-15:20 T, Keller Hall 3-144, In Person; Jeong-Hyun Cho ; 1 cr.
 57879 007 LAB, 15:35-17:30 T, Keller Hall 3-144, In Person; Jeong-Hyun Cho ; 1 cr.
 57880 008 LAB, 09:05-11:00 F, Keller Hall 3-144, In Person; Jeong-Hyun Cho ; 1 cr.

57881 009 LAB, 11:15-13:10 F, Keller Hall 3-144, In Person; Jeong-Hyun Cho ; 1 cr.
 59118 001 LAB, 11:15-13:10 M, Keller Hall 3-144, In Person; Jeong-Hyun Cho ; 1 cr.

3015 Signals and Systems

(Student Option; Prereq: [2115, CSE Upper Division] or dept consent)

57982 001 LEC, 13:00-14:15 TTh, Nicholson Hall 125, In Person; Mostafa Kaveh ; 3 cr.
 57983 002 DIS, 14:30-15:20 T, Keller Hall 3-170, In Person; Soheil Mohajer ; 3 cr.
 57984 003 DIS, 09:05-09:55 T, Keller Hall 3-170, In Person; Soheil Mohajer ; 3 cr.

3025 Statistical Methods in Electrical and Computer Engineering

(Student Option; Prereq: [3015, CSE upper division] or instr approval)

57871 001 LEC, 13:00-14:15 TTh, Anderson Hall 230, In Person; Mohammad Ali Maddah-Ali ; 3 cr.
 57872 002 DIS, 14:30-15:20 T, Keller Hall 3-170, In Person; Mohammad Ali Maddah-Ali ; 3 cr.
 57874 005 DIS, 14:30-15:20 Th, Keller Hall 3-170, In Person; Ulya Karpuzcu ; 3 cr.
 59363 006 DIS, 13:25-14:15 F, Keller Hall 3-170, In Person; Keshab Parhi ; 3 cr.
 59812 007 DIS, 09:05-09:55 F, Keller Hall 3-170, In Person; Martina Cardone ; 3 cr.

3101 Signals, Circuits and Electronics Laboratory

(A-F only; Prereq: [2115, &3015, &3115, CSE Upper Division] or dept consent)

57988 001 LAB, 09:05-09:55 M, Keller Hall 3-136, In Person; Emad Ebbini ; 1 cr.
 57989 005 LAB, 10:10-11:00 T, Keller Hall 3-136, In Person; Emad Ebbini ; 1 cr.
 59609 003 LAB, 10:10-11:00 M, Keller Hall 3-136, In Person; Emad Ebbini ; 1 cr.
 59712 007 LAB, 10:10-11:00 W, Keller Hall 3-136, In Person; Emad Ebbini ; 1 cr.

3115 Analog Electronics

(Student Option; Prereq: [EE 2115, &EE 3015, CSE upper division] or dept consent)

57995 001 LEC, 13:25-14:15 MWF, Smith Hall 331, In Person; William Robbins ; 3 cr.
 59501 004 DIS, 15:35-16:25 Th, Keller Hall 3-170, In Person; Chris H. Kim ; 3 cr.
 60368 002 DIS, 15:35-16:25 M, Keller Hall 3-170, In Person; William Robbins ; 3 cr.

3161 Semiconductor Devices

(Student Option; Prereq: Upper div CSE, 2115, Phys 1302, Phys 2303 or Chem 1022)

58026 001 LEC, 11:15-12:05 MWF, Keller Hall 3-115, In Person; Sang-Hyun Oh ; 3 cr.
 58027 002 DIS, 13:25-14:15 W, Lind Hall L120, In Person; Sang-Hyun Oh ; 3 cr.
 58028 003 DIS, 14:30-15:20 W, Lind Hall L120, In Person; Sang-Hyun Oh ; 3 cr.

3601 Transmission Lines, Fields, and Waves

(Student Option; Prereq: [2015, [Math 2374 or Math 2263 or Math 2574H or Math 3584H], [Phys 1302 or Phys 1402], CSE] or dept consen)

57985 001 LEC, 12:20-13:10 MWF, Lind Hall 302, In Person; Tony Low ; 3 cr.
 57986 004 DIS, 14:30-15:20 M, Lind Hall L120, In Person; Tony Low ; 3 cr.
 58365 006 DIS, 15:35-16:25 T, Mechanical Engineering 102, In Person; Tony Low ; 3 cr.

3990 Curricular Practical Training

(S-N only; Prereq: instr consent, undergrad EE or CompE major)

58951 001 FWK, 00:00-00:00 , Independent/Directed Study; James Leger ; 1-2 cr.

4044 Industrial Assignment III

(A-F only; Prereq: 4043W)

59120 001 FWK, 00:00-00:00 , Independent/Directed Study; Ted Higman ; 2 cr.

4111 Advanced Analog Electronics Design

(Student Option; Prereq: 3015, 3115)

57997 001 LEC, 15:35-16:25 MWF, Tate Hall 120, In Person; Ted Higman ; 4 cr.
 58351 002 LAB, 12:35-14:25 Th, Keller Hall 3-170, In Person; Ted Higman ; 4 cr.
 59262 003 LAB, 13:25-15:15 W, Keller Hall 3-170, In Person; Ted Higman ; 4 cr.

4161W Energy Conversion and Storage

(Student Option; Prereq: 3161 or instr consentWI)

59261 001 LEC, 11:15-12:30 TTh, Bruininks Hall 432, In Person; William Robbins ; 3 cr.

4163 Energy Conversion and Storage Laboratory

(Student Option; Prereq: concurrent registration is required (or allowed) in 4161W)

59332 001 LAB, 08:00-11:00 M, Keller Hall 2-140, In Person; William Robbins ; 1 cr.
 59333 002 LAB, 08:00-11:00 T, Keller Hall 2-140, In Person; William Robbins ; 1 cr.
 59714 004 LAB, 08:00-11:00 W, Keller Hall 2-140, In Person; William Robbins ; 1 cr.
 60504 003 LAB, 08:00-11:00 F, Keller Hall 2-140, In Person; William Robbins ; 1 cr.

4233 State Space Control System Design

(Student Option; Prereq: [3015, upper div CSE] or instr consent)

58005 001 LEC, 16:00-17:15 TTh, Keller Hall 3-111, In Person; Andrew Lamperski ; 3 cr.

4237 State Space Control Laboratory

(Student Option; Prereq: 4233 or concurrent registration is required (or allowed) in 4233; no cr for [EE or CompE] grad students)

59227 002 LAB, 12:20-14:15 W, Keller Hall 2-188, In Person; Andrew Lamperski ; 1 cr.
 59518 001 LAB, 08:00-09:55 W, Keller Hall 2-188, In Person; Andrew Lamperski ; 1 cr.

4341 Embedded System Design

(Student Option; Prereq: 2301, 2361, upper div CSE)

58017 001 LEC, 11:15-12:05 MWF, Keller Hall 3-125, In Person; Thomas Posbergh ; 4 cr.
 58018 003 LAB, 14:30-16:25 M, Keller Hall 2-172, In Person; Thomas Posbergh ; 4 cr.
 58019 005 LAB, 10:10-12:05 T, Keller Hall 2-172, In Person; Thomas Posbergh ; 4 cr.
 58020 006 LAB, 12:20-14:15 T, Keller Hall 2-172, In Person; Thomas Posbergh ; 4 cr.
 58021 008 LAB, 08:00-09:55 Th, Keller Hall 2-172, In Person; Thomas Posbergh ; 4 cr.
 58350 007 LAB, 12:20-14:15 W, Keller Hall 2-172, In Person; Thomas Posbergh ; 4 cr.
 59715 002 LAB, 08:00-09:55 M, Keller Hall 2-172, In Person; Thomas Posbergh ; 4 cr.
 68624 004 LAB, 12:20-14:15 Th, Keller Hall 2-172, In Person; Thomas Posbergh ; 4 cr.

4363 Computer Architecture and Machine Organization

(Student Option; Prereq: 2361)

58387 001 LEC, 09:45-11:00 TTh, Keller Hall 3-210, In Person; Meets With: 001 CSCI 4203; Ulya Karpuzcu ; 4 cr.
 68166 883 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Ulya Karpuzcu ; 4 cr.

4501 Communications Systems

(Student Option; Prereq: 3025)

66427 001 LEC, 09:45-11:00 TTh, Akerman Hall 225, In Person; Emad Ebbini ; 3 cr.

4505 Communications Systems Laboratory

(Student Option; Prereq: 4501 or concurrent registration is required (or allowed) in 4501)

66429 001 LAB, 11:15-13:10 T, Keller Hall 2-140, In Person; Emad Ebbini ; 1 cr.
 66430 002 LAB, 12:20-14:15 Th, Keller Hall 2-140, In Person; Emad Ebbini ; 1 cr.

4893 Directed Study

(Student Option; Prereq: dept consent)

58032 001 IND, In Person; James Leger ; 1-3 cr.

4951W Senior Design Project

(Student Option; Prereq: 3015, 3115, 3102, attendance first day of classWI)

58031 001 LEC, 14:30-15:45 TTh, Tate Hall 101, In Person; Jarvis Haupt ; 4 cr.

4982V Senior Honors Project II

(Student Option; Prereq: 4981WI)

58033 001 IND, 14:30-15:45 TTh, Ford Hall 130, In Person; William Robbins ; 2 cr.

5041 Industrial Assignment for Graduate Students

(S-N only; Prereq: Consent of Advisor and Office of the DGS)

59551 001 FWK, 00:00-00:00 , , In Person; Murti Salapaka ; 1 cr.

5141 Introduction to Microsystem Technology

(Student Option; Prereq: [3161, 3601, CSE grad student] or dept consent)
66431 001 LEC, 11:15-12:05 MWF, Mechanical Engineering 102, In Person; Joseph Talghader ; 4 cr.
66432 002 LAB, 12:20-14:15 Th, Lab TBA, In Person; Joseph Talghader ; 4 cr.
66433 003 LAB, 12:20-14:15 F, Lab TBA, In Person; Joseph Talghader ; 4 cr.
68475 883 LEC, 11:15-12:05 MWF, Twin Cities Remote, Completely Online; Joseph Talghader ; 4 cr.
68711 004 LAB, 12:20-14:15 W, , In Person; ; 4 cr.

5164 Semiconductor Properties and Devices II

(Student Option; Prereq: 5163 or instr consent)
57998 001 LEC, 09:45-11:00 TTh, Keller Hall 3-125, In Person; Sarah Swisher ; 3 cr.
58433 883 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Sarah Swisher ; 3 cr.

5235 Robust Control System Design

(Student Option; Prereq: CSE grad, 3015, 5231 or instr consent)
58309 001 LEC, 08:15-09:30 TTh, Keller Hall 3-125, In Person; Meets With: 001 AEM 8421; Nicola Elia ; 3 cr.
58444 883 LEC, 08:15-09:30 TTh, Twin Cities Remote, Completely Online; Ryan Caverly ; 3 cr.

5302 VLSI Design Automation II

(Student Option; Prereq: [5301, CSE grad student] or dept consent)
59814 001 LEC, 09:45-11:00 TTh, Mechanical Engineering 108, In Person; Sachin Sapatnekar ; 3 cr.
59824 883 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Sachin Sapatnekar ; 3 cr.

5324 VLSI Design II

(Student Option; Prereq: [5323, CSE grad student] or dept consent)
57889 001 LEC, 13:00-14:15 TTh, Mechanical Engineering 108, In Person; Chris H. Kim ; 3 cr.
58436 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Chris H. Kim ; 3 cr.

5334 CMOS VLSI Data Converter Design

(Student Option;)
67630 001 LEC, 09:05-09:55 MWF, Keller Hall 3-125, In Person; Ramesh Harjani ; 3 cr.
67712 883 LEC, 09:05-09:55 MWF, Twin Cities Remote, Completely Online; Ramesh Harjani ; 3 cr.

5393 Circuits, Computation, and Biology

(Student Option;)
58393 001 LEC, 09:45-11:00 MW, Keller Hall 3-230, In Person; Marc Riedel ; 3 cr.
59396 883 LEC, 09:45-11:00 MW, Twin Cities Remote, Completely Online; Marc Riedel ; 3 cr.

5505 Wireless Communication

(Student Option; Prereq: [4501, CSE grad student] or dept consent; 5501 recommended)
59648 001 LEC, 13:00-14:15 MW, Keller Hall 3-115, In Person; Soheil Mohajer ; 3 cr.
59650 883 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Soheil Mohajer ; 3 cr.

5542 Adaptive Digital Signal Processing

(Student Option; Prereq: [4541, 5531, CSE grad student] or dept consent)
59830 883 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Georgios Giannakis ; 3 cr.
66434 001 LEC, 09:45-11:00 TTh, Keller Hall 3-111, In Person; Georgios Giannakis ; 3 cr.

5545 Digital Signal Processing Design

(Student Option; Prereq: [4541, CSE grad student] or dept consent)
66435 001 LEC, 08:00-08:50 MW, Akerman Hall 227, In Person; Emad Ebbini ; 3 cr.
66436 002 LAB, 15:35-17:30 W, Keller Hall 2-170, In Person; Emad Ebbini ; 3 cr.

5549 Digital Signal Processing Structures for VLSI

(Student Option; Prereq: [4541, CSE grad student] or dept consent)
60088 883 LEC, 14:30-15:45 MW, Twin Cities Remote, Completely Online; Keshab Parhi ; 3 cr.

66419 001 LEC, 14:30-15:45 MW, Keller Hall 3-111, In Person; Keshab Parhi ; 3 cr.

5571 Statistical Learning and Inference

(Student Option; Prereq: courses in Stochastic Processes (EE 5531) and Digital Signal Processing (EE 4541))
58430 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Georgios Giannakis ; 3 cr.
68094 001 LEC, 13:00-14:15 TTh, Mechanical Engineering 102, In Person; Georgios Giannakis ; 3 cr.

5613 RF/Microwave Circuit Design

Laboratory
(A-F only; Prereq: [[5601 or concurrent registration is required (or allowed) in 5601], CSE grad student] or dept consent)
60372 001 LEC, 15:35-16:25 W, Vincent Hall 364, In Person; Rhonda Franklin ; 2 cr.
60373 002 LAB, In Person; Rhonda Franklin ; 2 cr.

5621 Physical Optics

(Student Option; Prereq: [3015, CSE grad student] or dept consent)
58129 001 LEC, 13:00-14:15 TTh, Keller Hall 3-125, In Person; James Leger ; 3 cr.
58811 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; James Leger ; 3 cr.

5670 Spintronic Devices

(Student Option;)
59955 001 LEC, 14:30-15:45 MW, Mechanical Engineering 212, In Person; Jianping Wang ; 3 cr.
59956 883 LEC, 14:30-15:45 MW, Twin Cities Remote, Completely Online; Jianping Wang ; 3 cr.

5705 Electric Drives in Sustainable Energy Systems

(Student Option; Prereq: [4701, CSE grad student] or dept consent)
60056 001 LEC, 14:45-16:00 MW, Mechanical Engineering 102, In Person; Ned Mohan, Siddharth Raju ; 3 cr.
60065 883 LEC, 14:45-16:00 MW, Twin Cities Remote, Completely Online; Ned Mohan ; 3 cr.

5707 Electric Drives in Sustainable Energy Systems Laboratory

(Student Option; Prereq: 5705 or concurrent registration is required (or allowed) in 5705)
59815 001 LAB, 14:30-15:45 F, Twin Cities Remote, Completely Online; Ned Mohan, Siddharth Raju ; 1 cr.

5741 Advanced Power Electronics

(Student Option; Prereq: CSE grad student] or dept consent)
59957 883 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Jungwon Choi ; 3 cr.
66437 001 LEC, 11:15-12:30 TTh, Keller Hall 3-125, In Person; Jungwon Choi ; 3 cr.

5940 Special Topics in Electrical

Engineering I
(Student Option;)
66438 001 LEC, 11:15-12:30 TTh, Keller Hall 3-111, In Person; Hye Yoon Park ; 1-4 cr.

5990 Curricular Practical Training

(S-N or Audit; Prereq: Grad student, instr consent)
58343 001 FWK, 00:00-00:00 , , In Person; Sarah Dohm ; 1-2 cr.

Endodontics (ENDO)

5306 Advanced Clinical Endodontics

(A-F or Audit;)
56713 001 FWK, 00:00-00:00 , , In Person Term Based; William Noblett ; 1-6 cr.

5309 Advanced Clinical Endodontics

(A-F or Audit; Prereq: 5308)
56714 001 FWK, 00:00-00:00 , , In Person Term Based; William Noblett ; 1-6 cr.

5313 Advanced Endodontic Emergency

(S-N or Audit; Prereq: 5312)
56715 001 FWK, 00:00-00:00 , , In Person Term Based; William Noblett ; 1 cr.

5316 Advanced Endodontic Emergency

(S-N or Audit; Prereq: 5315)
56716 001 FWK, 00:00-00:00 , , In Person Term Based; Walter Bowles ; 1 cr.

5330 Review of Cases

(A-F or Audit; Prereq: 5329)
56761 001 DIS, 00:00-00:00 , , In Person Term Based; William Noblett ; 1-2 cr.

5332 Review of cases

(A-F or Audit; Prereq: dept consent)
56718 001 DIS, 00:00-00:00 , , In Person Term Based; William Noblett ; 1 cr.

5600 Endodontic Histopathology

(S-N or Audit;)
56770 001 LEC, 00:00-00:00 , , In Person; Robert Edmunds ; 1 cr.

English as a Second Language (ESL)

3001 Integrated Skills for Academic

English
(Student Option; Prerequisite: non-native speaker of English)
63249 001 LEC, 16:40-18:35 MW, Kolthoff Hall 134, In Person; Danielle Joo ; 2 cr.

3006 English for Business Interactions

(Student Option; Prereq: non-native speaker of English)
63292 001 LEC, 16:40-18:35 Th, Blegen Hall 210, In Person; Meets With: 001 ESL 906001 ESL 5006; Catherine Clements ; 2 cr.

3102 English Grammar for Academic

Purposes
(Student Option; Prerequisite: a first language other than English)
63369 001 LEC, 08:00-08:50 MTWTh, Nicholson Hall 120, In Person; Jonathan Gill ; 4 cr.

3202W Academic Reading and

Composition
(Student Option; Prereq: non-native speaker of English,WI)
63301 001 LEC, 08:00-09:55 MW, Kolthoff Hall 139, In Person; Christine Walz ; 5 cr.
63302 002 DIS, 08:00-08:50 F, Kolthoff Hall 134, In Person; Christine Walz ; 5 cr.

3402W Research Writing for the American

University
(Student Option; Prerequisite: a first language other than English,WI)
63251 001 LEC, 16:40-18:35 TTh, Kolthoff Hall 132, In Person; Meets With: 001 ESL 941; Darren LaScottie ; 4 cr.

3502 Academic Listening and Speaking

(Student Option; Prereq: a first language other than English)
63198 001 LEC, 12:20-14:15 MW, Blegen Hall 105, In Person; Stephanie Hanson ; 5 cr.
63207 002 DIS, 12:20-13:10 F, Blegen Hall 210, In Person; Stephanie Hanson ; 5 cr.

3551 English Pronunciation

(Student Option; Prerequisite: a first language other than English)
64417 001 LEC, 16:40-18:35 MW, Kolthoff Hall 132, In Person; Meets With: 001 ESL 951; Annie Marrin ; 4 cr.

3602 Speaking for Academic Purposes

(Student Option; Prerequisite: a first language other than English)
64379 001 LEC, 14:30-16:25 TTh, Blegen Hall 105, In Person; Meets With: 001 ESL 931; Ellen Wormwood ; 4 cr.

5006 English for Business Interactions

(Student Option; Prerequisites: Graduate student, a first language other than English)
63293 001 LEC, 16:40-18:35 Th, Blegen Hall 210, In Person; Meets With: 001 ESL 906001 ESL 3006; Catherine Clements ; 2 cr.

5009 Advanced English Conversation Skills for Professionals

(Student Option; Prerequisites: Graduate student, a first language other than English)
63398 001 LEC, 16:40-17:30 T, Blegen Hall 210, In Person; Stephanie Hanson; 2 cr.

5302 Academic Writing

(Student Option; Prerequisites: Graduate student, a first language other than English)
63326 001 LEC, 16:40-18:35 TTh, Kolthoff Hall 134, In Person; Meets With: 001 ESL 921; Ellen Wormwood; 4 cr.

English: Literature (ENGL)

1001W Introduction to Literature: Poetry, Drama, Narrative

(Student Option; LITR,WI)
53213 002 LEC, 08:00-09:55 TTh, Pillsbury Hall 214, In Person; Emily Schoenbeck; 4 cr.
53708 001 LEC, 14:30-16:25 MW, Nicholson Hall 120, In Person; David Rodr?guez Mart?nez; 4 cr.
53999 003 LEC, Completely Online; Sun Yung Shin; 4 cr.
66157 004 LEC, Completely Online; Heidi Czerwiec; 4 cr.
67350 005 LEC, Completely Online; Andrea Waldrep; 4 cr.
67351 006 LEC, Completely Online; Janna Knittel; 4 cr.

1003W Women Write the World

(Student Option; GP,WI,LITR)
54295 001 LEC, 10:10-11:00 MW, Rapson Hall 56, In Person; Meets With: 001 GWSS 1003W; Rachmi Diyah Larasati; 3 cr.
54369 002 DIS, 12:20-13:10 W, Appleby Hall 219, In Person; Meets With: 002 GWSS 1003W; 3 cr.
54370 003 DIS, 11:15-12:05 W, Bruininks Hall 123, In Person; Meets With: 003 GWSS 1003W; 3 cr.
54431 004 DIS, 12:20-13:10 M, Akerman Hall 215, In Person; Meets With: 004 GWSS 1003W; 3 cr.
55158 005 DIS, 11:15-12:05 M, Amundson Hall 156, In Person; Meets With: 005 GWSS 1003W; 3 cr.

1031 Introduction to the Short Story

(Student Option; LITR)
54265 001 LEC, 13:00-14:15 MW, Pillsbury Hall 211, In Person; Rachel Trocchio; 3 cr.
54382 002 LEC, 14:30-15:45 TTh, Nicholson Hall 145, In Person; Jake Lancaster; 3 cr.
55068 003 LEC, Completely Online; Jake Lancaster; 3 cr.
66158 004 LEC, Completely Online; Elizabeth Weixel; 3 cr.

1041 Adaptation: Literature into Film

(Student Option; AH)
54107 001 LEC, 16:00-18:30 W, Folwell Hall 112, In Person; Chris Kamerbeek; 3 cr.

1051 Progress & Madness: Literature, Science & Technology

(Student Option; LITR)
54383 001 LEC, 09:45-11:00 TTh, Nicholson Hall 335, In Person; Chris Kamerbeek; 3 cr.
54601 002 LEC, 13:00-14:15 TTh, Nicholson Hall 145, In Person; Ann Tandy-Treiber; 3 cr.
55073 003 LEC, 16:00-17:15 TTh, Pillsbury Hall 314, In Person; David Rodr?guez Mart?nez; 3 cr.

1181W Introduction to Shakespeare

(Student Option; LITR,WI)
52673 002 LEC, 09:05-11:00 TTh, Pillsbury Hall 314, In Person; Katherine Scheil; 4 cr.
55192 001 LEC, 14:30-16:25 MW, Nicholson Hall 335, In Person; Elizabeth Weixel; 4 cr.

1301W Introduction to Multicultural Literatures of the United States

(Student Option; DSJ,WI,LITR)
53860 004 LEC, 10:10-12:05 TTh, Nicholson Hall 315, In Person; Heidi Czerwiec; 4 cr.
53972 002 LEC, 13:25-15:20 MW, Amundson Hall 162, In Person; Scott Nelson; 4 cr.
55084 001 LEC, 12:20-14:15 MW, Appleby Hall 223, In Person; Amy Bolis; 4 cr.
55085 005 LEC, 14:30-16:25 TTh, Pillsbury Hall 412, In Person; James Cihlar; 4 cr.
55211 003 LEC, 09:05-11:00 WF, Appleby Hall 223, In Person; Amy Bolis; 4 cr.
67352 006 LEC, 13:25-15:20 TTh, Vincent Hall 213, In Person; Janna Knittel; 4 cr.

1401W Introduction to World Literatures in English

(Student Option; GP,WI,LITR)
51754 001 LEC, 12:20-14:15 MW, Appleby Hall 103, In Person; Nabil Matar; 4 cr.

53778 002 LEC, 14:30-16:25 TTh, Nicholson Hall 315, In Person; Sruthi Narayanan; 4 cr.

1501W Literature and Public Life

(A-F only; WI,LITR,CiV)
53031 001 LEC, 09:05-11:00 MW, Pillsbury Hall 211, In Person; Melissa Licht; 4 cr.
53568 002 LEC, 12:20-14:15 MW, Pillsbury Hall 214, In Person; Melissa Licht; 4 cr.
53569 004 LEC, 09:05-11:00 TTh, Peik Hall 155, In Person; Eric Daigre; 4 cr.
53570 005 LEC, 14:30-16:25 TTh, Burton Hall 123, In Person; Savannah Brooks; 4 cr.
53571 003 LEC, 10:10-12:05 WF, Pillsbury Hall 314, In Person; Heather Holcombe; 4 cr.
67753 006 LEC, 10:10-12:05 TTh, Elliott Hall N119, In Person; Savannah Brooks; 4 cr.

1701 Modern Fiction

(Student Option; LITR)
52797 003 LEC, 11:15-12:30 TTh, 10 Church Street SE 100, In Person; Kathryn Savage; 3 cr.
53663 001 LEC, 09:45-11:00 MW, Pillsbury Hall 412, In Person; Megan Giddings; 3 cr.

1922W Shakespeare in London and Stratford

(A-F only; LITR,WI)
66273 001 DIS, 13:00-14:15 TTh, Pillsbury Hall 211, In Person; Katherine Scheil; 3 cr.

3001W Textual Analysis: Methods

(A-F only; Prereq: [English major or minor or approved BIS or IDIM program with English area]WI)
52739 003 LEC, 10:10-12:05 TTh, Pillsbury Hall 214, In Person; Janna Knittel; 4 cr.
52982 002 LEC, 10:10-12:05 MW, Pillsbury Hall 214, In Person; Ann Tandy-Treiber; 4 cr.
65590 001 LEC, 08:00-09:55 MW, Pillsbury Hall 314, In Person; Heather Holcombe; 4 cr.

3002 Modern Literary Criticism and Theory

(Student Option;)
65689 001 LEC, 14:30-15:45 TTh, Pillsbury Hall 314, In Person; Jani Scandura; 3 cr.

3003W Historical Survey of British Literatures I

(Student Option; HIS,WI)
52279 001 LEC, 10:10-12:05 TTh, Pillsbury Hall 412, In Person; Elizabeth Weixel; 4 cr.
53789 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Robert Stratton; 4 cr.

3004W Historical Survey of British Literatures II

(Student Option; HIS,WI)
51742 001 LEC, 14:30-16:25 TTh, Appleby Hall 223, In Person; Amy Bolis; 4 cr.

3005W Survey of American Literatures and Cultures I

(Student Option; DSJ,WI,LITR)
52681 001 LEC, 12:20-14:15 MW, Pillsbury Hall 314, In Person; Jessica Horvath Williams; 4 cr.
53981 302 LEC, Completely Online; Andrew Hamilton; 4 cr.
53993 301 LEC, Completely Online; Adam Burchard; 4 cr.

3006V Honors: Survey of American Literatures and Cultures II

(A-F only; DSJ,WI,LITR)
65690 001 DIS, 11:15-13:10 TTh, Pillsbury Hall 311, In Person; Jani Scandura; 4 cr.

3006W Survey of American Literatures and Cultures II

(Student Option; DSJ,WI,LITR)
51756 002 LEC, 14:30-16:25 MW, Pillsbury Hall 314, In Person; Heather Holcombe; 4 cr.
51757 001 LEC, 12:20-14:15 TTh, Pillsbury Hall 412, In Person; Chris Kamerbeek; 4 cr.

3007 Shakespeare

(Student Option; LITR)
52776 001 LEC, 13:00-14:15 MW, Pillsbury Hall 311, In Person; Andrew Scheil; 3 cr.
52817 002 LEC, 14:30-15:45 MW, Pillsbury Hall 211, In Person; Ann Tandy-Treiber; 3 cr.
55120 003 LEC, 09:45-11:00 TTh, Pillsbury Hall 211, In Person; Rebecca Krug; 3 cr.

3022 Science Fiction and Fantasy

(Student Option;)
53577 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Karen Soto; 3 cr.

3023 Children's Literature

(Student Option;)
53779 001 LEC, 13:00-14:15 TTh, Ford Hall 151, In Person; Lianna Farber; 3 cr.

3025 The End of the World in Literature and History

(Student Option; HIS)
53944 001 DIS, 14:30-15:45 MW, Rapson Hall 45, In Person; Meets With: 001 RELS 3627; Jennifer Jodell; 3 cr.

3027W The Essay

(Student Option; WI)
53050 001 LEC, Completely Online; Brett Sigurdson; 4 cr.
68241 002 LEC, Completely Online; Stephen Ellis; 4 cr.

3072 Witchcraft, Possession, Magic: Concepts in the Atlantic Supernatural, 1500-1800

(Student Option; LITR)
55121 001 DIS, 09:45-11:00 MW, Pillsbury Hall 311, In Person; Meets With: 001 MEST 3072; Rachel Trocchio; 3 cr.

3101 Knights and Pilgrims in Medieval Literature

(A-F or Audit; LITR)
64567 001 LEC, 11:15-12:30 MW, Pillsbury Hall 412, In Person; Meets With: 001 MEST 3101; Andrew Scheil; 3 cr.

3141 The Restoration and the Eighteenth Century: Sex, Satire, and Sentiment

(A-F or Audit;)
64568 001 LEC, 14:30-15:45 TTh, Pillsbury Hall 211, In Person; Amit Yahav; 3 cr.

3181 Contemporary Literary Nonfiction

(Student Option; LITR)
64569 001 LEC, 16:00-17:15 TTh, Pillsbury Hall 211, In Person; Kim Todd; 3 cr.

3331 LGBTQ Literature: Then and Now

(Student Option; DSJ,LITR)
65588 001 LEC, 16:00-17:15 MW, Pillsbury Hall 311, In Person; Meets With: 001 GLBT 3309; James Cihlar; 3 cr.

3501 Public Discourse: Coming to Terms with the Environment

(Student Option; ENV,LITR)
53668 001 LEC, 14:30-15:45 MW, Pillsbury Hall 214, In Person; Melissa Licht; 3 cr.

3506 Social Movements & Community Education

(A-F only; CiV)
53199 001 FWK, 12:20-14:15 TTh, Pillsbury Hall 214, In Person; Eric Daigre; 4 cr.

3507W Introduction to Chicana/o Literature

(Student Option; DSJ,WI,LITR)
53704 001 LEC, 09:45-11:00 TTh, Pillsbury Hall 311, In Person; Meets With: 001 CHIC 3507W; Vanessa Ramos; 3 cr.

3592W Introduction to Black Women Writers in the United States

(A-F only; DSJ,WI,LITR)
65709 001 LEC, 17:30-20:00 T, Twin Cities Remote, Completely Online; Meets With: 001 AFR0 3592W; Samhar Khalfani; 3 cr.

3704 Introduction to Editing and Publishing

(Student Option;)
52741 001 DIS, 17:45-19:35 MW, Pillsbury Hall 102, In Person; Kathryn Savage; 4 cr.

3712 Literary Magazine Production Lab II

(A-F only; Prereq: [3711, instr consent])
53263 001 LAB, 18:15-20:00 TTh, Pillsbury Hall 102, 18:15-20:00 TTh, Pillsbury Hall 211, In Person; James Cihlar; 4 cr.

3714 The Business of Publishing

(Student Option;)
55464 001 DIS, 14:30-17:00 M, Pillsbury Hall 102, In Person; Savannah Brooks; 3 cr.

3741 Literacy and American Cultural Diversity

(Student Option No Audit; LITR,DSJ)
52803 001 FWK, 14:30-16:25 TTh, Pillsbury Hall 214, In Person; Eric Daigre ; 4 cr.

3885V Honors Capstone Seminar in English

(A-F only; Prerequisites for Admission: Honors, Admission to ENGL 3885V also requires English major status and completion of a Critical Theories and Methods course (ENGL 3001W, ENGL 3002, ENGL 4003) or approved transfer course with a minimum grade of C-minus. Priority will be given to students with senior status who have completed the majority of the major requirements, as well as to students who plan to graduate in the term they are requesting to take the senior seminar.WI)

55306 001 LEC, 10:10-12:05 MW, Pillsbury Hall 114, In Person; Meets With: 001 ENGL 3885W; Brian Goldberg ; 4 cr.

55307 002 LEC, 11:15-13:10 TTh, Pillsbury Hall 114, In Person; Meets With: 002 ENGL 3885W; Rebecca Krug ; 4 cr.

55308 003 LEC, 16:00-19:50 W, Pillsbury Hall 114, In Person; Meets With: 003 ENGL 3885W; Nathaniel Mills ; 4 cr.

68620 004 LEC, 13:25-15:20 TTh, Pillsbury Hall 312, In Person; Meets With: 004 ENGL 3885W; Rebecca Krug ; 4 cr.

3885W Capstone Seminar in English

(A-F only; Prerequisites for Admission: Admission to ENGL 3885W requires English major status and completion of a Critical Theories and Methods course (ENGL 3001W, ENGL 3002, ENGL 4003) or approved transfer course with a minimum grade of C-minus. Priority will be given to students with senior status who have completed the majority of the major requirements, as well as to students who plan to graduate in the term they are requesting to take the senior seminar.WI)

55303 001 LEC, 10:10-12:05 MW, Pillsbury Hall 114, In Person; Meets With: 001 ENGL 3885V; Brian Goldberg ; 4 cr.

55304 002 LEC, 11:15-13:10 TTh, Pillsbury Hall 114, In Person; Meets With: 002 ENGL 3885V; Rebecca Krug ; 4 cr.

55305 003 LEC, 16:00-19:50 W, Pillsbury Hall 114, In Person; Meets With: 003 ENGL 3885V; Nathaniel Mills ; 4 cr.

68619 004 LEC, 13:25-15:20 TTh, Pillsbury Hall 312, In Person; Meets With: 004 ENGL 3885V; Rebecca Krug ; 4 cr.

3896 Internship for Academic Credit

(A-F only; Prereq: must be a formally declared English major registered in the College of Liberal Arts and have consent of instructor.)

54447 001 FWK, Independent/Directed Study; Kathryn Savage ; 1-4 cr.

3993 Directed Study

(Student Option; Prereq-One 3xxx, [English major or minor or [BIS or IDIM or ICP] with English concentration], [jr or sr], instr consent, dept consent, college consent.)

52943 001 IND, Independent/Directed Study; Elizabeth Weixel ; 1-4 cr.

68579 002 IND, Independent/Directed Study; Elaine Auyoung ; 1-4 cr.

68580 003 IND, Independent/Directed Study; Chris Kamberbeek ; 1-4 cr.

68581 004 IND, Independent/Directed Study; Peter Campion ; 1-4 cr.

3993W Directed Study- Honors Thesis in English

(A-F only; Prereq: Honors candidacy in English, consent of English honors advisorWI)

55828 001 IND, Independent/Directed Study; Elaine Auyoung ; 1-4 cr.

68700 002 IND, Independent/Directed Study; Rachel Trocchio ; 1-4 cr.

68701 003 IND, Independent/Directed Study; Rebecca Krug ; 1-4 cr.

68702 004 IND, Independent/Directed Study; Nathaniel Mills ; 1-4 cr.

68703 005 IND, Independent/Directed Study; Lianna Farber ; 1-4 cr.

68717 006 IND, Independent/Directed Study; Katherine Scheil ; 1-4 cr.

4003 History of Literary Theory

(A-F or Audit;)

64571 001 LEC, 11:15-12:30 TTh, Ford Hall 151, In Person; Lianna Farber ; 3 cr.

5701 Great River Review

(Student Option;)

53951 001 LAB, 16:40-19:10 M, Pillsbury Hall 312, In Person; Meets With: 001 ENGL 5701; Peter Campion ; 4 cr.

5992 Directed Readings, Study, or Research

(Student Option; Prereq-Grad student or instr consent.)

52944 001 IND, Independent/Directed Study; Lianna Farber ; 1-3 cr.

68731 002 IND, Independent/Directed Study; Brian Goldberg ; 1-3 cr.

English: Creative Writing (ENGW)

1101W Introduction to Creative Writing

(Student Option No Audit; Prereq: Students may not audit this courseLITR,WI)

51765 001 LEC, Completely Online; May Lee-Yang ; 4 cr.

53093 014 LAB, Completely Online; John Lapine ; 4 cr.

53094 015 LAB, Completely Online; Claire Wahmanholm ; 4 cr.

53095 002 LAB, 13:25-15:20 M, Akerman Hall 215, In Person; May Lee-Yang ; 4 cr.

53096 003 LAB, 14:30-16:25 M, Wulling Hall 240, In Person; K Ho ; 4 cr.

53097 004 LAB, 18:20-20:15 M, Pillsbury Hall 214, In Person; Brandon Hackbarth ; 4 cr.

53098 005 LAB, 09:05-11:00 T, Peik Hall 225, In Person; Kachina Yeager ; 4 cr.

53099 006 LAB, 14:30-16:25 T, Pillsbury Hall 311, In Person; torrin greathouse ; 4 cr.

53100 007 LAB, 09:05-11:00 W, Akerman Hall 215, In Person; Noel Haines ; 4 cr.

53101 008 LAB, 11:15-13:10 Th, Burton Hall 125, In Person; Jordan Young ; 4 cr.

53701 009 LAB, 13:25-15:20 Th, Pillsbury Hall 311, In Person; Natalie Dalea ; 4 cr.

53861 010 LAB, Completely Online; Jake Lancaster ; 4 cr.

54048 011 LAB, Completely Online; Claire Wahmanholm ; 4 cr.

55534 012 LAB, 10:10-12:05 F, Pillsbury Hall 214, In Person; Sonia Beltz ; 4 cr.

64555 013 LAB, Completely Online; Claire Wahmanholm ; 4 cr.

1102 Introduction to Fiction Writing

(Student Option No Audit;)

51781 001 LEC, 18:20-20:50 M, Pillsbury Hall 211, In Person; Gregory Langen ; 3 cr.

52246 003 LEC, 11:15-12:30 TTh, Pillsbury Hall 314, In Person; Sruthi Narayanan ; 3 cr.

52773 002 LEC, 08:15-09:30 TTh, Pillsbury Hall 311, In Person; Sruthi Narayanan ; 3 cr.

1103 Introduction to Poetry Writing

(Student Option No Audit;)

52247 001 LEC, 14:30-15:45 MW, Nicholson Hall 115, In Person; torrin greathouse ; 3 cr.

1104 Introduction to Literary Nonfiction Writing

(Student Option No Audit; Prereq: Students not allowed to audit this course)

66100 001 LEC, 13:00-14:15 TTh, Pillsbury Hall 314, In Person; torrin greathouse ; 3 cr.

3102 Intermediate Fiction Writing

(Student Option No Audit; Prereq: [EngW 1101 OR 1102 OR 1103 OR 1104], students cannot audit course)

51782 001 LEC, 14:30-15:45 MW, Pillsbury Hall 311, In Person; Jonathan Crowl ; 3 cr.

52248 002 LEC, 13:00-15:30 T, Peik Hall 155, In Person; Aamina Ahmad ; 3 cr.

3104 Intermediate Poetry Writing

(Student Option No Audit; Prereq: [1101 or 1102 or 1103 or 1104], students cannot audit course)

51783 001 LEC, 16:00-18:30 W, Pillsbury Hall 211, In Person; Nen Ramirez ; 3 cr.

3106 Intermediate Literary Nonfiction Writing

(Student Option No Audit; Prereq: [1101 or 1102 or 1103 or 1104], students cannot audit course)

52777 001 LEC, 11:15-12:30 TTh, Pillsbury Hall 211, In Person; Ciara Alfaro ; 3 cr.

3110 Topics in Creative Writing

(Student Option No Audit; Prereq: 1101 or 1102 or 1103 or 1104 or dept consent)

67377 001 LEC, 11:15-12:30 MW, Pillsbury Hall 311, In Person; Olivia Fantini ; 3 cr.

68047 002 LEC, 13:00-14:15 MW, Ford Hall 110, In Person; Megan Giddings ; 3 cr.

3885V Honors Capstone Seminar in Creative Writing

(A-F only; Prerequisites for Admission: (1) Honors candidacy in English, (2) English major status and completion of a Critical Theories and Methods course (ENGL 3001W, ENGL 3002, ENGL 4003) or approved transfer course with a minimum grade of C-minus, (3) completion of at least six credits of creative writing courses, including one intermediate (ENGW 3xxx-level) or advanced creative writing workshop, preferably in the genre of the ENGW 3885V workshop to which you are applying; and (4) submission of a creative writing sample. Admission is by permission of the instructor. Priority will be given to students with senior status who have completed the majority of the major requirements, as well as to students who plan to graduate in the term they are requesting to take the senior seminar.WI)

55311 001 LEC, 16:00-19:50 M, Pillsbury Hall 114, In Person; Meets With: 001 ENGL 3885W; Aamina Ahmad ; 4 cr.

55312 002 LEC, 13:25-15:20 TTh, Pillsbury Hall 114, In Person; Meets With: 002 ENGL 3885W; Kim Todd ; 4 cr.

3885W Capstone Seminar in Creative Writing

(A-F only; Prerequisites for Admission: (1) English major status and completion of a Critical Theories and Methods course (ENGL 3001W, ENGL 3002, ENGL 4003) or approved transfer course with a minimum grade of C-minus; (2) completion of at least six credits of creative writing courses, including one intermediate (ENGW 3xxx-level) or advanced creative writing workshop, preferably in the genre of the ENGW 3885W workshop to which you are applying; and (3) submission of a creative writing sample. Admission is by permission of the instructor. Priority will be given to students with senior status who have completed the majority of the major requirements, as well as to students who plan to graduate in the term they are requesting to take the capstone seminar. WI)

55309 001 LEC, 16:00-19:50 M, Pillsbury Hall 114, In Person; Meets With: 001 ENGL 3885V; Aamina Ahmad ; 4 cr.

55310 002 LEC, 13:25-15:20 TTh, Pillsbury Hall 114, In Person; Meets With: 002 ENGL 3885V; Kim Todd ; 4 cr.

3993W Directed Study- Honors Thesis in Creative Writing

(A-F only; Prereq: Honors candidacy in English, consent of English honors advisorWI)

55832 001 IND, In Person; Julie Schumacher ; 1-4 cr.

68704 002 IND, In Person; Kim Todd ; 1-4 cr.

4205 Screenwriting

(Student Option No Audit; Prereq: Engl 3001W or 3001V or EngW 3102 or 3104 or 3106 or 3110, or jr or sr in SCMC major or minor)

53881 001 LEC, 18:20-20:50 Th, Twin Cities Remote, Completely Online; Miriam Queensen ; 3 cr.

65693 002 LEC, 18:20-20:50 T, Pillsbury Hall 214, In Person; May Lee-Yang ; 3 cr.

5606W Literary Aspects of Journalism

(Student Option; WI)

54417 001 LEC, 11:15-12:30 TTh, Murphy Hall 25, In Person; Meets With: 001 JOUR 5606W; Gayle Golden ; 3 cr.

5701 Great River Review

(Student Option;)

53950 001 LAB, 16:40-19:10 M, Pillsbury Hall 312, In Person; Meets With: 001 ENGL 5701; Peter Campion ; 4 cr.

5993 Directed Study in Writing

(Student Option; Prereq-instr consent, dept consent, college consent.)

51864 001 IND, Independent/Directed Study; 1-4 cr.

Entomology (ENT)

1004 The Insects

(A-F only;)

56591 001 LEC, Completely Online; Matt Petersen ; 3 cr.

1005 Insect Biology with Lab (A-F only; BIOL)

56478 001 LAB, Completely Online; Matt Petersen ; 4 cr.

2884 The Six-legged Conquerors: How insects have shaped human history (A-F or Audit; HIS)

66294 001 LEC, Completely Online; George Heimpel ; 3 cr.

3211 Insect Pest Management (A-F only;)

56388 001 LEC, 11:45-13:00 MW, Alderman Hall 405, In Person; Meets With: 001 ENT 5211; Sujaya Rao ; 3 cr.

3294 Directed Research in Entomology

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56622 001 IND, In Person; Matt Petersen ; 1-4 cr.
68633 002 IND, In Person; Matt Petersen ; 1-4 cr.
68747 003 IND, In Person; Karen Mesce ; 1-4 cr.

5011 Insect Structure and Function (A-F or Audit;)

56308 001 LEC, 10:15-11:30 TTh, Hodson Hall 490, In Person; Amelia Lindsey ; 4 cr.
56309 002 LAB, 11:45-13:00 TTh, Hodson Hall 485, In Person; Amelia Lindsey ; 4 cr.

5041 Insect Ecology (Student Option;)

64544 001 LEC, 14:00-15:15 MW, Ruttan Hall B25, In Person; Dan Cariveau ; 3 cr.

5211 Insect Pest Management (Student Option;)

56367 001 LEC, 11:45-13:00 MW, Alderman Hall 405, In Person; Meets With: 001 ENT 3211; Sujaya Rao ; 3 cr.

5481 Invertebrate Neurobiology (Student Option;)

56640 001 LEC, 10:40-12:35 F, Hodson Hall 485, In Person; Karen Mesce ; 2 cr.

Environment Sci, Policy, Mgmt (ESPM)

1002 Transfer Orientation Seminar (A-F or Audit;)

56363 001 LEC, 15:00-16:55 M, Skok Hall 100, 15:00-16:55 M, Skok Hall 100, 15:00-16:55 M, Skok Hall 100, In Person; Jessica Gutknecht ; 1 cr.

1011 Issues in the Environment (Student Option; ENV)

55981 001 LEC, Completely Online; Peter Wragg, Charlie Blinn, Brandy Toner, Dylan Millet ; 3 cr.

1202 People, Land, and Water: Systems Under Stress (A-F only; HIS)

56333 001 LEC, 13:30-14:45 TTh, Green Hall 110, In Person; Jay Bell, Patrick Nunnally ; 3 cr.

1425 Introduction to Weather and Climate (Student Option; ENV,PHYS)

55957 001 LEC, 15:35-16:25 MWF, Bruininks Hall 412, In Person; Meets With: 001 GEOG 1425; Peter Snyder ; 4 cr.
56147 002 LAB, 16:40-17:30 M, Bruininks Hall 412, In Person; Meets With: 002 GEOG 1425; Peter Snyder ; 4 cr.
56198 003 LAB, 16:40-17:30 W, Bruininks Hall 412, In Person; Meets With: 003 GEOG 1425; Peter Snyder ; 4 cr.

2021 Environmental Sciences: Integrated Problem Solving (A-F or Audit; Prereq: 1011, ESPM major)

56202 001 LEC, 15:00-16:15 TTh, Biological Sciences Ctr 64, In Person; Peter Neff, Claudia Nanninga ; 3 cr.

3000 Seminar on Current Issues for ESPM (A-F or Audit; Prereq: Jr)

68024 001 LEC, 14:00-14:50 F, Ruttan Hall B35, In Person; Andrew Simons ; 1 cr.

3011W Ethics in Natural Resources (Student Option; WI,CIV)

55969 001 LEC, 16:30-17:45 MW, Borlaug Hall 335, In Person; Claire Bleser ; 3 cr.

3012 Statistical Methods for Environmental Scientists and Managers (A-F or Audit; Prereq: Two yrs of high school mathMATH)

56271 001 LEC, 11:45-13:00 MW, Borlaug Hall 335, In Person; John Zobel ; 4 cr.
56272 002 LAB, 16:05-18:00 W, Twin Cities Remote, Completely Online; John Zobel ; 4 cr.
56273 003 LAB, 16:05-18:00 W, Skok Hall 35, In Person; John Zobel ; 4 cr.

3031 Applied Global Positioning Systems for Geographic Information Systems (A-F or Audit; Prereq: Intro GIS course)

56134 001 LEC, 10:40-12:35 W, Skok Hall 35, 10:40-11:30 M, Skok Hall 35, In Person; Meets With: 001 ESPM 5031; Andrew Jenks, Paul Bolstad ; 3 cr.

3051 Lands and Humans in World Cultures: the Past and the Present (A-F only; GP)

56414 001 LEC, Completely Online; Kyungsoo Yoo ; 3 cr.
56538 002 DIS, Completely Online; Kyungsoo Yoo ; 3 cr.

3111 Hydrology and Water Quality Field Methods (A-F or Audit;)

56115 001 LEC, 15:00-18:00 Th, Biosystems & Ag Eng Bldg 106, In Person; Meets With: 001 ESPM 5111; Joe Magner ; 3 cr.

3131 Environmental Physics (A-F or Audit; Prereq: Phys 1101)

56122 001 LEC, 10:15-11:30 TTh, Borlaug Hall 375, In Person; D Mulla ; 3 cr.

3202W Environmental Conflict Management, Leadership, and Planning (A-F or Audit; WI)

55989 001 LEC, 09:35-11:30 W, Alderman Hall 405, 10:40-11:30 M, Alderman Hall 405, In Person; Meets With: 001 ESPM 5202; Florencia Pech Cardenas ; 3 cr.

3211 Survey, Measurement, and Modeling for Environmental Analysis (Student Option; Prereq: ESPM 3012, FW 4001, STAT 3011, or equivalent)

56278 001 LEC, 11:45-13:00 TTh, Green Hall 203, In Person; Meets With: 001 ESPM 5211; John Zobel ; 3 cr.

3221 Soil Conservation and Land-Use Management (Student Option; Prereq: SOIL 2125 or instr consent)

55955 001 LEC, Completely Online; Daniel Wheeler ; 3 cr.
55956 002 DIS, 08:30-09:20 F, Hodson Hall 490, In Person; Daniel Wheeler ; 3 cr.

3241W Natural Resource and Environmental Policy (Student Option; CIV,WI,SOCS)

55959 001 LEC, 10:15-11:30 T, Green Hall 110, Partially Online; Meets With: 001 ESPM 5241; Forrest Fleischman ; 3 cr.
56630 002 LEC, 10:15-11:30 Th, Green Hall 110, Partially Online; Forrest Fleischman ; 3 cr.

3261 Economics and Natural Resources Management (A-F or Audit; Prereq: MATH 1031 or equivalent.ENV,SOCS)

56311 001 LEC, 13:30-14:45 W, Green Hall 110, Partially Online; Meets With: 001 ESPM 5261; Mike Kilgore ; 4 cr.

3575 Wetlands (Student Option;)

56131 001 LEC, 10:15-11:30 TTh, Hodson Hall 495, In Person; Meets With: 001 ESPM 5575; Elena West ; 3 cr.

3601 Sustainable Housing--Community, Environment, and Technology (A-F or Audit; TS)

56026 001 LEC, Completely Online; Aaron Hanson ; 3 cr.

3602 Regulations and Corporate Environmental Management (A-F only; Prereq: APEC 1101 or ECON 1101 or 3261W)

56191 001 LEC, 16:00-18:30 M, Biosystems & Ag Eng Bldg 308, In Person; Meets With: 001 ESPM 5602; John Stine ; 3 cr.

3605 Recycling: Extending Raw Materials (A-F only; TS)

56195 001 LEC, Primarily Online; Meets With: 001 ESPM 5605; Brett Barney ; 3 cr.

3607 Natural Resources Consumption and Sustainability (A-F only; GP)

55980 001 LEC, 10:40-11:55 MW, Hodson Hall 495, In Person; Natalie Hunt ; 3 cr.

3777 Climate Change- Physics, Myths, Mysteries, and Uncertainties

(A-F only; Prerequisite required for this course, but first year calculus and one other first year science course is recommended.)

56342 001 LEC, 11:45-13:00 TTh, Twin Cities Remote, Completely Online; Timothy Griffiths ; 3 cr.

3993 Directed Study

(Student Option; Prereq: Department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements)

56120 001 IND, 00:00-00:00 , In Person; Charlie Blinn ; 1-4 cr.
56220 002 IND, 00:00-00:00 , In Person; Dean Current ; 1-4 cr.
56222 003 IND, 00:00-00:00 , In Person; Mae Davenport ; 1-4 cr.
56235 004 IND, 00:00-00:00 , In Person; Christopher Edgar ; 1-4 cr.
56244 005 IND, 00:00-00:00 , In Person; Forrest Fleischman ; 1-4 cr.
56285 006 IND, 00:00-00:00 , In Person; Mike Kilgore ; 1-4 cr.
56479 007 IND, In Person; Joe Knight ; 1-4 cr.
56480 009 IND, In Person; Kristen Nelson ; 1-4 cr.
56481 008 IND, In Person; Ed Nater ; 1-4 cr.
56482 010 IND, In Person; Carl Rosen ; 1-4 cr.
56483 011 IND, In Person; John Zobel ; 1-4 cr.

3994 Directed Research

(Student Option; Prereq: Department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56121 001 IND, 00:00-00:00 , In Person; Charlie Blinn ; 1-4 cr.
56287 010 IND, 00:00-00:00 , In Person; Carl Rosen ; 1-4 cr.
56288 011 IND, 00:00-00:00 , In Person; John Zobel ; 1-4 cr.
56484 002 IND, In Person; Dean Current ; 1-4 cr.
56485 003 IND, In Person; Mae Davenport ; 1-4 cr.
56486 004 IND, In Person; Christopher Edgar ; 1-4 cr.
56487 005 IND, In Person; Forrest Fleischman ; 1-4 cr.
56488 006 IND, In Person; Mike Kilgore ; 1-4 cr.
56489 007 IND, In Person; Joe Knight ; 1-4 cr.
56490 008 IND, In Person; Ed Nater ; 1-4 cr.
56491 009 IND, In Person; Kristen Nelson ; 1-4 cr.
68821 012 IND, In Person; Emilie Snell-Rood ; 1-4 cr.

4021W Problem Solving: Environmental Review

(Student Option; Prereq: ESPM 2021 and jr or srWI)

55922 001 FVK, 13:30-14:45 MW, Hodson Hall 495, In Person; Kari Wolf ; 4 cr.

4601 Environmental Pollution

(Student Option; Prereq: SOIL 2125, CHEM 1061 and 1062 or equiv, or permission)

56324 001 LEC, 10:15-11:30 MW, Ruttan Hall B26, In Person; Satoshi Ishii ; 3 cr.

4811 Environmental Interpretation

(A-F or Audit;)

55976 001 LEC, 17:10-20:10 T, Green Hall 203, In Person; Meets With: 001 ESPM 5811; Stephan Carlson ; 3 cr.

5031 Applied Global Positioning Systems for Geographic Information Systems

(A-F or Audit; Prereq: Grad student or instr consent)

56135 001 LEC, 10:40-12:35 W, Skok Hall 35, 10:40-11:30 M, Skok Hall 35, In Person; Meets With: 001 ESPM 3031; Andrew Jenks, Paul Bolstad ; 3 cr.

5111 Hydrology and Water Quality Field Methods

(A-F or Audit; Prereq: Grad student or instr consent)

56116 001 LEC, 15:00-18:00 Th, Biosystems & Ag Eng Bldg 106, In Person; Meets With: 001 ESPM 3111; Joe Wagner ; 3 cr.

5202 Environmental Conflict Management, Leadership, and Planning (A-F or Audit;)

55988 001 LEC, 09:35-11:30 W, Alderman Hall 405, 10:40-11:30 M, Alderman Hall 405, In Person; Meets With: 001 ESPM 3202W; Florencia Pech Cardenas ; 3 cr.

5211 Survey, Measurement, and Modeling for Environmental Analysis (Student Option;)

56334 001 LEC, 11:45-13:00 TTh, Green Hall 203, In Person; Meets With: 001 ESPM 3211; John Zobel ; 3 cr.

5241 Natural Resource and Environmental Policy (Student Option; Prereq: Grad student or instr consent)

55987 001 LEC, 10:15-11:30 T, Green Hall 110, Partially Online; Meets With: 001 ESPM 3241W; Forrest Fleischman ; 3 cr.

5261 Economics and Natural Resources Management (A-F or Audit;)

56312 001 LEC, 13:30-14:45 W, Green Hall 110, Partially Online; Meets With: 001 ESPM 3261; Mike Kilgore ; 4 cr.

5575 Wetlands

(Student Option; Prereq: 3575, [sr or grad student or instr consent])

56293 001 LEC, 10:15-11:30 TTh, Hodson Hall 495, In Person; Meets With: 001 ESPM 3575; Elena West ; 3 cr.

5602 Regulations and Corporate Environmental Management

(A-F only; Prereq: APEC 1101 or ECON 1101)

56192 001 LEC, 16:00-18:30 M, Biosystems & Ag Eng Bldg 308, In Person; Meets With: 001 ESPM 3602; John Stine ; 3 cr.

5605 Recycling: Extending Raw Materials Supplies (A-F only;)

56196 001 LEC, Primarily Online; Meets With: 001 ESPM 3605; Brett Barney ; 3 cr.

5811 Environmental Interpretation

(A-F or Audit;)

56105 001 LEC, 17:10-20:10 T, Green Hall 203, In Person; Meets With: 001 ESPM 4811; Stephan Carlson ; 3 cr.

Experimental and Clinical Phar (ECP)

5620 Drug Metabolism and Disposition

(A-F or Audit; Prereq: Grad student or instr consent)

62605 001 LEC, 13:25-15:20 Th, Weaver-Densford Hall W7-193, 13:25-14:15 T, Weaver-Densford Hall W7-193, In Person; L'Aurelle Johnson ; 3 cr.

Family Social Science (FSOS)

1101 Intimate Relationships

(Student Option; SOCS)

50395 001 LEC, 14:30-16:25 T, Bruininks Hall 220, In Person; Meets With: 001 FSOS 1101H; Tai Mendenhall ; 4 cr.

50396 002 DIS, 14:30-16:25 Th, Akerman Hall 319, In Person; Meets With: 002 FSOS 1101H; 4 cr.

50514 004 DIS, 14:30-16:25 Th, Lind Hall L130, In Person; 4 cr.

51392 005 DIS, 14:30-16:25 Th, Peik Hall 28, In Person; 4 cr.

1101H Intimate Relationships Honors

(A-F only; SOCS)

51683 001 LEC, 14:30-16:25 T, Bruininks Hall 220, In Person; Meets With: 001 FSOS 1101; Tai Mendenhall ; 4 cr.

51684 002 DIS, 14:30-16:25 Th, Akerman Hall 319, In Person; Meets With: 002 FSOS 1101; 4 cr.

1201 Human Development in Families: Lifespan

(Student Option; DSJ,SOCS)

50901 001 LEC, Completely Online; Kaleb Burningham ; 4 cr.

51393 002 LEC, Completely Online; Chun Creaser ; 4 cr.

67700 003 LEC, Completely Online; Marilyn Preston ; 4 cr.

1211 An Interdisciplinary Look at the Family in Multicultural America

(A-F or Audit; SOCS,DSJ)

51238 001 DIS, 09:05-11:00 MW, Appleby Hall 302, In Person; Margaret Kelly ; 4 cr.

1301 Cash or Credit: You Need to Know

(A-F only;)

50727 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Virginia Solis Zuiker ; 1 cr.

1461 Presentations at Work: Families, Communities, Nonprofits, and Schools (A-F or Audit; CIV)

51576 001 DIS, 09:45-11:00 TTh, Appleby Hall 204, In Person; Margaret Kelly ; 3 cr.

2101 Preparation for Working With Families

(A-F or Audit;)

50816 001 LEC, Completely Online; Chalandra Bryant ; 3 cr.

2105 Methods in Family Research

(Student Option; Prereq: STAT 3011 or PSTL 1004 or STAT 1001 or ESPY 3264 or ESPY 1261 or SOC 3811 or SOC 2550 or PSY 3801 or instr consent)

50726 001 LEC, 10:15-11:30 MW, Kaufert Laboratory 302, In Person; Kay Simon ; 3 cr.

2106 Family Resource Management

(Student Option;)

51160 001 LEC, Completely Online; Catherine Solheim ; 3 cr.

2107 Preparation for Family and Community Engagement

(Student Option;)

51258 001 DIS, 13:30-14:45 MW, McNeal Hall 395, In Person; Sara Axtell ; 3 cr.

2150 Special Topics in Family Social Science

(Student Option No Audit;)

67663 001 LEC, 14:30-16:25 M, Appleby Hall 204, In Person; Miguel Quinones ; 1-4 cr.

2191 Independent Study in Family Social Science

(Student Option; Prereq: Soph, instr consent)

50403 001 IND, 00:00-00:00 , Independent/Directed Study; Gerald August ; 1-4 cr.

50554 002 IND, 00:00-00:00 , Independent/Directed Study; Sara Axtell ; 1-4 cr.

50555 003 IND, 00:00-00:00 , Independent/Directed Study; Chalandra Bryant ; 1-4 cr.

50556 004 IND, 00:00-00:00 , Independent/Directed Study; Bill Doherty ; 1-4 cr.

50557 005 IND, 00:00-00:00 , Independent/Directed Study; Jodi Dworkin ; 1-4 cr.

50558 006 IND, 00:00-00:00 , Independent/Directed Study; Jennifer George ; 1-4 cr.

50559 007 IND, 00:00-00:00 , Independent/Directed Study; Tabitha Grier-Reed ; 1-4 cr.

50560 008 IND, 00:00-00:00 , Independent/Directed Study; Steven Harris ; 1-4 cr.

50561 009 IND, 00:00-00:00 , Independent/Directed Study; Stacey Horn ; 1-4 cr.

50562 010 IND, 00:00-00:00 , Independent/Directed Study; Margaret Kelly ; 1-4 cr.

50563 011 IND, 00:00-00:00 , Independent/Directed Study; Jenifer McGuire ; 1-4 cr.

50564 012 IND, 00:00-00:00 , Independent/Directed Study; Tai Mendenhall ; 1-4 cr.

50565 013 IND, 00:00-00:00 , Independent/Directed Study; Cynthia Meyer ; 1-4 cr.

50566 014 IND, 00:00-00:00 , Independent/Directed Study; Michelle Pasco ; 1-4 cr.

50567 015 IND, 00:00-00:00 , Independent/Directed Study; Timothy Piehler ; 1-4 cr.

50966 016 IND, 00:00-00:00 , Independent/Directed Study; Joyce Serido ; 1-4 cr.

50982 017 IND, 00:00-00:00 , Independent/Directed Study; Kay Simon ; 1-4 cr.

50983 018 IND, 00:00-00:00 , Independent/Directed Study; Catherine Solheim ; 1-4 cr.

51081 019 IND, 00:00-00:00 , Independent/Directed Study; Xiaoran Sun ; 1-4 cr.

51133 020 IND, 00:00-00:00 , Independent/Directed Study; Lindsey Weiler ; 1-4 cr.

51134 021 IND, Independent/Directed Study; Armada Wojciak ; 1-4 cr.

51307 022 IND, In Person; Zha Xiong ; 1-4 cr.

51310 023 IND, In Person; Virginia Solis Zuiker ; 1-4 cr.

3101 Personal and Family Finances

(Student Option No Audit;)

50399 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Virginia Solis Zuiker ; 3 cr.

3102 Family Systems and Diversity

(Student Option; Prereq: At least soph or instr consent DSJ,SOCS)

50398 001 LEC, 13:30-14:45 MW, Hodson Hall 490, In Person; Zha Xiong ; 3 cr.

51523 002 LEC, Completely Online; Malina Her ; 3 cr.

3105 Technology in Parenting and Family Relationships

(Student Option; TS)

51262 001 LEC, 11:45-13:00 TTh, Ruttan Hall 143, In Person; Xiaoran Sun ; 3 cr.

3191 Independent Study in Family Social Science

(Student Option; Prereq: Jr, instr consent)

50404 001 IND, 00:00-00:00 , Independent/Directed Study; Gerald August ; 1-5 cr.

50568 002 IND, 00:00-00:00 , Independent/Directed Study; Sara Axtell ; 1-5 cr.

50569 003 IND, 00:00-00:00 , Independent/Directed Study; Chalandra Bryant ; 1-5 cr.

50570 004 IND, 00:00-00:00 , Independent/Directed Study; Bill Doherty ; 1-5 cr.

50571 005 IND, 00:00-00:00 , Independent/Directed Study; Jodi Dworkin ; 1-5 cr.

50572 006 IND, 00:00-00:00 , Independent/Directed Study; Jennifer George ; 1-5 cr.

50573 007 IND, 00:00-00:00 , Independent/Directed Study; Tabitha Grier-Reed ; 1-5 cr.

50574 008 IND, 00:00-00:00 , Independent/Directed Study; Steven Harris ; 1-5 cr.

50575 009 IND, 00:00-00:00 , Independent/Directed Study; Stacey Horn ; 1-5 cr.

50576 010 IND, 00:00-00:00 , Independent/Directed Study; Margaret Kelly ; 1-5 cr.

50577 011 IND, 00:00-00:00 , Independent/Directed Study; Jenifer McGuire ; 1-5 cr.

50578 012 IND, 00:00-00:00 , Independent/Directed Study; Tai Mendenhall ; 1-5 cr.

50579 013 IND, 00:00-00:00 , Independent/Directed Study; Cynthia Meyer ; 1-5 cr.

50580 014 IND, 00:00-00:00 , Independent/Directed Study; Michelle Pasco ; 1-5 cr.

50581 015 IND, 00:00-00:00 , Independent/Directed Study; Timothy Piehler ; 1-5 cr.

50967 016 IND, 00:00-00:00 , Independent/Directed Study; Joyce Serido ; 1-5 cr.

50984 017 IND, 00:00-00:00 , Independent/Directed Study; Kay Simon ; 1-5 cr.

50985 018 IND, 00:00-00:00 , Independent/Directed Study; Catherine Solheim ; 1-5 cr.

51082 019 IND, 00:00-00:00 , Independent/Directed Study; Xiaoran Sun ; 1-5 cr.

51135 020 IND, 00:00-00:00 , Independent/Directed Study; Lindsey Weiler ; 1-5 cr.

51136 021 IND, Independent/Directed Study; Armada Wojciak ; 1-5 cr.

51308 022 IND, In Person; Zha Xiong ; 1-5 cr.

51312 023 IND, In Person; Virginia Solis Zuiker ; 1-5 cr.

3222W Our Addicted World: Going Beyond the Individual in Looking at the Addiction

(A-F only; WI)

51401 001 DIS, 14:30-15:45 MW, Burton Hall 120, In Person; Margaret Kelly ; 3 cr.

3426 Alcohol and Drugs: Families and Culture

(Student Option;)

50400 001 LEC, Completely Online; Meets With: 001 FSOS 5426; Sara Axtell ; 3 cr.

51394 002 LEC, Completely Online; Alyssa Maples ; 3 cr.

3429 Counseling Skills Practicum I

(Student Option;)

51105 001 LEC, 08:45-10:00 MW, Borlaug Hall 365, In Person; Meets With: 001 FSOS 5429; Cynthia Meyer ; 3 cr.

3431 Counseling Skills Practicum II

(Student Option;)

51259 001 LEC, 09:45-11:00 TTh, Alderman Hall 415, In Person; Cynthia Meyer ; 3 cr.

4104 Family Psychology

(Student Option;)

50510 001 LEC, 11:45-13:00 TTh, Ruttan Hall B25, In Person; Chalandra Bryant; 3 cr.

4107 Traumatic Stress and Resilience in Vulnerable Families Across the Lifespan
(Student Option;)

51260 001 LEC, 10:15-11:30 TTh, McNeal Hall 10, In Person; Tai Mendenhall; 3 cr.

4108 Understanding and Working with Immigrants and Refugee Families
(Student Option; DSJ,SOCS)

51263 001 LEC, 10:15-11:30 MW, McNeal Hall 310, In Person; Zha Xiong; 3 cr.

4109W Family Theories
(Student Option; WI)

51323 001 LEC, 13:30-14:45 TTh, Ruttan Hall 143, In Person; Jennifer George; 3 cr.

4111 Introduction to Family Therapy
(Student Option;)

51396 001 LEC, 15:00-17:45 M, Hodson Hall 490, In Person; Steven Harris; 3 cr.

4155 Parent-Child Relationships
(A-F or Audit;)

51395 001 LEC, Completely Online; Lindsey Weiler; 3 cr.

4191 Independent Study in Family Social Science

(Student Option; Prereq: Sr, instr consent)

50506 001 IND, 00:00-00:00 , Independent/Directed Study; Gerald August; 1-4 cr.

50582 002 IND, 00:00-00:00 , Independent/Directed Study; Sara Axtell; 1-4 cr.

50583 003 IND, 00:00-00:00 , Independent/Directed Study; Chalandra Bryant; 1-4 cr.

50584 004 IND, 00:00-00:00 , Independent/Directed Study; Bill Doherty; 1-4 cr.

50585 005 IND, 00:00-00:00 , Independent/Directed Study; Jodi Dworkin; 1-4 cr.

50586 006 IND, 00:00-00:00 , Independent/Directed Study; Jennifer George; 1-4 cr.

50587 007 IND, 00:00-00:00 , Independent/Directed Study; Tabitha Grier-Reed; 1-4 cr.

50588 008 IND, 00:00-00:00 , Independent/Directed Study; Steven Harris; 1-4 cr.

50589 009 IND, 00:00-00:00 , Independent/Directed Study; Stacey Horn; 1-4 cr.

50590 010 IND, 00:00-00:00 , Independent/Directed Study; Margaret Kelly; 1-4 cr.

50591 011 IND, 00:00-00:00 , Independent/Directed Study; Jenifer McGuire; 1-4 cr.

50592 012 IND, 00:00-00:00 , Independent/Directed Study; Tai Mendenhall; 1-4 cr.

50593 013 IND, 00:00-00:00 , Independent/Directed Study; Cynthia Meyer; 1-4 cr.

50594 014 IND, 00:00-00:00 , Independent/Directed Study; Michelle Pasco; 1-4 cr.

50595 015 IND, 00:00-00:00 , Independent/Directed Study; Timothy Piehler; 1-4 cr.

50969 016 IND, 00:00-00:00 , Independent/Directed Study; Joyce Serido; 1-4 cr.

50988 017 IND, 00:00-00:00 , Independent/Directed Study; Kay Simon; 1-4 cr.

50989 018 IND, 00:00-00:00 , Independent/Directed Study; Catherine Solheim; 1-4 cr.

51084 019 IND, 00:00-00:00 , Independent/Directed Study; Xiaoran Sun; 1-4 cr.

51138 020 IND, 00:00-00:00 , Independent/Directed Study; Lindsey Weiler; 1-4 cr.

51139 021 IND, 00:00-00:00 , Independent/Directed Study; Armeta Wojciak; 1-4 cr.

51314 022 IND, In Person; Zha Xiong; 1-4 cr.

51315 023 IND, In Person; Virginia Solis Zuiker; 1-4 cr.

4193 Directed Capstone Project
(A-F only;)

50838 001 IND, 00:00-00:00 , Independent/Directed Study; Gerald August; 1-4 cr.

50839 002 IND, 00:00-00:00 , Independent/Directed Study; Chalandra Bryant; 1-4 cr.

50840 003 IND, 00:00-00:00 , Independent/Directed Study; Bill Doherty; 1-4 cr.

50841 004 IND, 00:00-00:00 , Independent/Directed Study; Jodi Dworkin; 1-4 cr.

50842 005 IND, 00:00-00:00 , Independent/Directed Study; Jennifer George; 1-4 cr.

50843 006 IND, 00:00-00:00 , Independent/Directed Study; Tabitha Grier-Reed; 1-4 cr.

50844 007 IND, 00:00-00:00 , Independent/Directed Study; Steven Harris; 1-4 cr.

50845 008 IND, 00:00-00:00 , Independent/Directed Study; Stacey Horn; 1-4 cr.

50846 009 IND, 00:00-00:00 , Independent/Directed Study; Jenifer McGuire; 1-4 cr.

50847 010 IND, 00:00-00:00 , Independent/Directed Study; Tai Mendenhall; 1-4 cr.

50848 011 IND, 00:00-00:00 , Independent/Directed Study; Cynthia Meyer; 1-4 cr.

50849 012 IND, 00:00-00:00 , Independent/Directed Study; Michelle Pasco; 1-4 cr.

50850 013 IND, 00:00-00:00 , Independent/Directed Study; Timothy Piehler; 1-4 cr.

50851 014 IND, 00:00-00:00 , Independent/Directed Study; Joyce Serido; 1-4 cr.

50852 015 IND, 00:00-00:00 , Independent/Directed Study; Kay Simon; 1-4 cr.

50968 016 IND, 00:00-00:00 , Independent/Directed Study; Catherine Solheim; 1-4 cr.

50986 017 IND, 00:00-00:00 , Independent/Directed Study; Xiaoran Sun; 1-4 cr.

50987 018 IND, 00:00-00:00 , Independent/Directed Study; Lindsey Weiler; 1-4 cr.

51083 019 IND, 00:00-00:00 , Independent/Directed Study; Armeta Wojciak; 1-4 cr.

51137 020 IND, 00:00-00:00 , Independent/Directed Study; Zha Xiong; 1-4 cr.

51309 021 IND, In Person; Virginia Solis Zuiker; 1-4 cr.

4294 Research Internship

(Student Option; Prereq: [FSOS major, at least jr] or instr consent)

50405 001 IND, 00:00-00:00 , Independent/Directed Study; Gerald August; 1-4 cr.

50596 002 IND, 00:00-00:00 , Independent/Directed Study; Sara Axtell; 1-4 cr.

50597 003 IND, 00:00-00:00 , Independent/Directed Study; Chalandra Bryant; 1-4 cr.

50598 004 IND, 00:00-00:00 , Independent/Directed Study; Bill Doherty; 1-4 cr.

50599 005 IND, 00:00-00:00 , Independent/Directed Study; Jodi Dworkin; 1-4 cr.

50600 006 IND, 00:00-00:00 , Independent/Directed Study; Jennifer George; 1-4 cr.

50601 007 IND, 00:00-00:00 , Independent/Directed Study; Steven Harris; 1-4 cr.

50602 008 IND, 00:00-00:00 , Independent/Directed Study; Stacey Horn; 1-4 cr.

50603 009 IND, 00:00-00:00 , Independent/Directed Study; Jenifer McGuire; 1-4 cr.

50604 010 IND, 00:00-00:00 , Independent/Directed Study; Tai Mendenhall; 1-4 cr.

50605 011 IND, 00:00-00:00 , Independent/Directed Study; Cynthia Meyer; 1-4 cr.

50606 012 IND, 00:00-00:00 , Independent/Directed Study; Michelle Pasco; 1-4 cr.

50607 013 IND, 00:00-00:00 , Independent/Directed Study; Timothy Piehler; 1-4 cr.

50608 014 IND, 00:00-00:00 , Independent/Directed Study; Joyce Serido; 1-4 cr.

50609 015 IND, 00:00-00:00 , Independent/Directed Study; Kay Simon; 1-4 cr.

50970 016 IND, 00:00-00:00 , Independent/Directed Study; Catherine Solheim; 1-4 cr.

50990 017 IND, 00:00-00:00 , Independent/Directed Study; Xiaoran Sun; 1-4 cr.

50991 018 IND, 00:00-00:00 , Independent/Directed Study; Lindsey Weiler; 1-4 cr.

51085 019 IND, 00:00-00:00 , Independent/Directed Study; Armeta Wojciak; 1-4 cr.

51140 020 IND, Independent/Directed Study; Zha Xiong; 1-4 cr.

66217 021 IND, Independent/Directed Study; Virginia Solis Zuiker; 1-4 cr.

4296 Field Study: Working With Families

(S-N or Audit; Prereq: 2101 or instr consent)

50393 001 FWK, 10:15-13:00 F, McNeal Hall 278, 10:15-13:00 F, McNeal Hall 278, 10:15-13:00 F, McNeal Hall 278, 10:15-13:00 F, McNeal Hall 278, Partially Online; Sara Axtell; 1-12 cr.

5014 Quantitative Family Research Methods I

(Student Option; Prereq: Grad student or instr consent)

51179 001 LEC, 10:15-11:30 TTh, Ruttan Hall B22, In Person; Timothy Piehler; 3 cr.

5015 Family Research Laboratory

(S-N or Audit; Prereq: Grad student or instr consent)

51180 001 LAB, 08:45-10:00 T, Twin Cities Remote, Completely Online; Reo Wang; 1 cr.

5193 Directed Study in Family Social Science

(Student Option; Prereq: FSos or grad student in related field)

50413 001 IND, 00:00-00:00 , Independent/Directed Study; Gerald August; 1-6 cr.

50623 002 IND, 00:00-00:00 , Independent/Directed Study; Sara Axtell; 1-6 cr.

50624 003 IND, 00:00-00:00 , Independent/Directed Study; Chalandra Bryant; 1-6 cr.

50625 004 IND, 00:00-00:00 , Independent/Directed Study; Bill Doherty; 1-6 cr.

50626 005 IND, 00:00-00:00 , Independent/Directed Study; Jodi Dworkin; 1-6 cr.

50627 006 IND, 00:00-00:00 , Independent/Directed Study; Jennifer George; 1-6 cr.

50628 007 IND, 00:00-00:00 , Independent/Directed Study; Tabitha Grier-Reed; 1-6 cr.

50629 008 IND, 00:00-00:00 , Independent/Directed Study; Steven Harris; 1-6 cr.

50630 009 IND, 00:00-00:00 , Independent/Directed Study; Stacey Horn; 1-6 cr.

50631 010 IND, 00:00-00:00 , Independent/Directed Study; Jenifer McGuire; 1-6 cr.

50632 011 IND, 00:00-00:00 , Independent/Directed Study; Tai Mendenhall; 1-6 cr.

50633 012 IND, 00:00-00:00 , Independent/Directed Study; Cynthia Meyer; 1-6 cr.

50634 013 IND, 00:00-00:00 , Independent/Directed Study; Michelle Pasco; 1-6 cr.

50635 014 IND, 00:00-00:00 , Independent/Directed Study; Timothy Piehler; 1-6 cr.

50636 015 IND, 00:00-00:00 , Independent/Directed Study; Joyce Serido; 1-6 cr.

50637 016 IND, 00:00-00:00 , Independent/Directed Study; Kay Simon; 1-6 cr.

50779 017 IND, 00:00-00:00 , Independent/Directed Study; Catherine Solheim; 1-6 cr.

50876 018 IND, 00:00-00:00 , Independent/Directed Study; Xiaoran Sun; 1-6 cr.

51086 019 IND, 00:00-00:00 , Independent/Directed Study; Lindsey Weiler; 1-6 cr.

51142 020 IND, 00:00-00:00 , Independent/Directed Study; Armeta Wojciak; 1-6 cr.

51143 021 IND, 00:00-00:00 , Independent/Directed Study; Zha Xiong; 1-6 cr.

51317 022 IND, In Person; Virginia Solis Zuiker; 1-6 cr.

5426 Alcohol and Drugs: Families and Culture

(Student Option;)

51252 001 LEC, Completely Online; Meets With: 001 FSOS 3426; Sara Axtell; 3 cr.

5429 Counseling Skills Practicum I
(Student Option;)

51322 001 LEC, 08:45-10:00 MW, Borlaug Hall 365, In Person; Meets With: 001 FSOS 3429; Cynthia Meyer; 3 cr.

5702 Prevention Science Research Methodology

(Student Option;)

66201 001 DIS, 14:30-17:15 T, McNeal Hall 375, In Person; Timothy Piehler; 3 cr.

5937 Parent-Child Interaction

(A-F only;)

50992 001 LEC, 19:00-19:50 W, Twin Cities Remote, Completely Online; Jennifer George; 3 cr.

5942 Diverse Family Experiences

(A-F only;)

50993 001 LEC, 20:00-20:50 W, Twin Cities Remote, Completely Online; Jennifer George; 3 cr.

5946 Assessment and Evaluation in Parent Education

(A-F only; Prereq: 5944 or instr consent)

50994 001 DIS, 19:00-19:50 W, Twin Cities Remote, Completely Online; Shannon Rader; 3 cr.

5949 Student Teaching in Parent Education

(A-F only; Prereq: Application for student teaching; FSos 5937, 5942, 5944 and 5945 or instr consent)

50995 001 FWK, 20:00-20:50 W, Twin Cities Remote, Completely Online; Shannon Rader; 3 cr.

Finance (FINA)

3001 Finance Fundamentals

(A-F or Audit; Prereq: ACCT 2050 or ACCT 2051, SCO 2550 or BA 2551 or equivalent statistics course)

56914 002 LEC, 09:45-11:00 MW, Hanson Hall 1-104, In Person; Jacelly Cespedes; 3 cr.

56915 003 LEC, 11:15-12:30 TTh, Hanson Hall 1-102, In Person; Jacelly Cespedes; 3 cr.

56916 004 LEC, 13:00-14:15 MW, Hanson Hall 1-102, In Person; Eric White ; 3 cr.
 56956 006 LEC, 13:00-14:15 TTh, Hanson Hall 1-102, In Person; Eric White ; 3 cr.
 57016 001 LEC, 08:15-09:30 MW, Hanson Hall 1-102, In Person; Jacelly Cespedes ; 3 cr.
 57022 005 LEC, 14:30-15:45 TTh, Hanson Hall 1-106, In Person; Nick Seeman ; 3 cr.
 57131 007 LEC, 08:15-09:30 TTh, Carlson School of Mgmt 2-213, In Person; Haolin Wu, Jing Gao ; 3 cr.
 57410 008 LEC, 14:30-15:45 MW, Carlson School of Mgmt 2-215, In Person; Jing Gao, Haolin Wu ; 3 cr.

4121 Financial Markets and Interest Rates (A-F or Audit; Prereq: 3001 or 3001H, CSOM major or Math/Actuarial Science major or Management minor.)

56925 001 LEC, 11:50-13:30 TTh, Hanson Hall 1-107, In Person; Thanh Le ; 2 cr.
 57089 003 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-123, In Person; Stuart Webb ; 2 cr.
 57285 002 LEC, 09:55-11:35 TTh, Hanson Hall 1-107, In Person; Stuart Webb ; 2 cr.

4122 Banks, Banking Services, and FinTech (A-F or Audit;)

56926 002 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 1-147, In Person; Andy Winton ; 2 cr.
 57102 001 LEC, 09:55-11:35 TTh, Hanson Hall 1-107, In Person; Andy Winton ; 2 cr.

4221 Principles of Corporate Finance (A-F only; Prereq: 3001 or 3001H, CSOM major or Math/Actuarial Science major or Management Minor)

57057 003 LEC, 11:50-13:30 TTh, Hanson Hall 1-107, In Person; Richard Thakor ; 2 cr.
 57058 001 LEC, 09:55-11:35 TTh, Hanson Hall 1-109, In Person; Richard Thakor ; 2 cr.
 57263 002 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-123, In Person; Richard Thakor ; 2 cr.

4242W Corporate Investment Decisions (A-F or Audit; Prereq: 4121, 4321, 4422, 4522, and CSOM major/WI)

57088 002 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-127, In Person; John Molloy ; 4 cr.
 57127 001 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-127, In Person; John Molloy ; 4 cr.
 57132 003 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-127, In Person; John Molloy ; 4 cr.
 57294 004 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 1-127, In Person; John Molloy ; 4 cr.

4321 Portfolio Management and Performance Evaluation (A-F or Audit; Prereq: 3001 or 3001H, CSOM major or math/actuarial science major or Management minor)

57010 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-123, In Person; Xiaoji Lin ; 2 cr.
 57081 002 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 2-213, In Person; Xiaoji Lin ; 2 cr.
 57295 003 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-123, In Person; Jeff Bailey ; 2 cr.

4325 Behavioral Finance (A-F only; Prereq: 4321 or 4321H)

57152 002 LEC, 13:45-15:25 MW, Hanson Hall 1-109, In Person; Lisa Kline ; 2 cr.
 57186 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt L-114, In Person; Lisa Kline ; 2 cr.
 57411 003 LEC, 11:50-13:30 TTh, Hanson Hall 1-111, In Person; Lisa Kline ; 2 cr.

4329 Security Analysis Capstone (A-F only; Prereq: 4121 or 4121H, 4321 or 4321H, 4422, 4522, ACCT 5100 or ACCT 5101)

57059 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 1-143, In Person; Nick Seeman ; 2 cr.

4422 Financial Modeling

(A-F only; Prerequisite courses and provides students with significant practice building financial models to identify the free cash flow from and required investment in projects or firms for discounted cash flow and sensitivity analysis. Course presents net operating working capital requirements, Valuation with Free Cash Flow based methods, and the construction of three statement pro-forma cash flow projections. Prereq: FINA 4221, ACCT 5101, CSOM major)
 57060 003 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-142, In Person; Jeff Bailey ; 2 cr.
 57175 001 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-142, In Person; Eric White ; 2 cr.
 57264 002 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-142, In Person; Eric White ; 2 cr.

57412 004 LEC, 15:45-17:25 MW, Carlson School of Mgmt 1-143, In Person; Jeff Bailey ; 2 cr.

4522 Options & Derivatives I

(A-F only; Prereq: 3001 or 3001H or ApEc 3501, 4121 or 4121H, 4321 or 4321H (can be concurrent), CSOM major)
 57296 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 1-123, In Person; Stuart Webb ; 2 cr.
 57297 002 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 1-147, In Person; Stuart Webb ; 2 cr.
 57413 003 LEC, 09:55-11:35 MW, Hanson Hall 1-111, In Person; Stuart Webb ; 2 cr.

4529 Derivatives II Capstone (A-F only; Prereq: 4522 or 4523)

57158 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 1-143, In Person; Meets With: 001 FINA 5529; Stuart Webb ; 2 cr.

4621 The Global Economy (Macro)

(A-F only; Prereq: 3001 or 3001H, CSOM major or Math major/Act Sci, or Management minor.)
 57061 001 LEC, 15:45-17:25 MW, Hanson Hall 1-109, In Person; Murray Frank ; 2 cr.
 57062 002 LEC, 11:50-13:30 TTh, Carlson School of Mgmt L-114, In Person; Thanh Le ; 2 cr.

4622 International Finance (A-F only; Prereq: CSOM major, Fina 3001 or 3001H, 4121 or 4121H, 4221)

57176 001 LEC, 08:00-09:40 TTh, Hanson Hall 1-109, In Person; Juliana Salomao ; 2 cr.
 65981 002 LEC, 11:50-13:30 TTh, Hanson Hall 1-109, In Person; Juliana Salomao ; 2 cr.

4920 Finance Topics (A-F or Audit;)

66150 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 2-233, In Person; Dick Vogel ; 2-4 cr.

5322 Financial Modeling (A-F only; Prereq: FINA 3001 and admittance to Carlson Funds Enterprise)

68721 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-143, In Person; Meets With: 001 FINA 6322; Timothy Nantell ; 2 cr.

5529 Derivatives II (A-F only;)

67845 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 1-143, In Person; Meets With: 001 FINA 4529; Stuart Webb ; 2 cr.

5920 Finance Topic (A-F only;)

68168 020 LEC, 17:45-21:05 W, Carlson School of Mgmt 1-149, In Person; Meets With: 090 FINA 6920; 2-4 cr.

Financial Mathematics (FM)

5002 Preparation for Financial Mathematics II (Student Option; Prereq: 5001, program director approval)

59167 001 LEC, 17:30-20:20 Th, Vincent Hall 16, In Person; Rina Ashkenazi ; 3 cr.

5202 Ethics in Finance (S-N only;)

60397 001 LEC, 20:20-21:10 Th, Vincent Hall 207, In Person; Gary Hatfield ; 1 cr.

5212 Continuous Time Finance (Student Option;)

60398 001 LEC, 17:30-20:20 Th, Vincent Hall 209, In Person; Arkady Shemyakin ; 3 cr.

5222 Statistical Methods in Finance (Student Option;)

60396 001 LEC, 17:30-20:20 T, Vincent Hall 209, In Person; Nicole Hoft ; 3 cr.

5252 Financial Modeling II: Numerical Methods and Simulations (Student Option;)

60399 001 LEC, 17:30-20:20 W, Bruininks Hall 512A, In Person; Christopher Prouty ; 3 cr.

5422 Quantitative Hedge Fund Strategies (Student Option;)

60484 001 LEC, 17:30-21:10 W, Vincent Hall 209, In Person; Jing Wang ; 2 cr.

5432 Portfolio Optimization (Student Option;)

68245 001 LEC, 17:30-21:10 M, Vincent Hall 209, In Person; Christopher Bemis ; 2 cr.

5462 Market Microstructure (Student Option;)

60483 001 LEC, 17:30-21:10 M, Vincent Hall 209, In Person; Hartmut Durchschlag ; 2 cr.

Finnish (FIN)

1002 Beginning Finnish II (Student Option; Prereq: 1001)

51946 001 DIS, 14:30-15:20 MW, ONLINE BLENDED, 14:30-15:20 TTh, Peik Hall 165, Partially Online; Meets With: 001 FIN 4002; Lily Obeda ; 5 cr.

1004 Intermediate Finnish II (Student Option; Prereq: 1003)

52493 001 DIS, 15:35-16:25 MW, ONLINE BLENDED, 15:35-16:25 TTh, Peik Hall 165, Partially Online; Meets With: 001 FIN 4004; Lily Obeda ; 5 cr.

3012 Advanced Finnish (Student Option; Prereq: 3011 or 4011)

53269 001 DIS, 16:40-17:55 TTh, Peik Hall 165, In Person; Meets With: 001 FIN 4012; Lily Obeda ; 3 cr.

4002 Beginning Finnish for Graduate Research II (Student Option;)

52236 001 DIS, 14:30-15:20 MW, ONLINE BLENDED, 14:30-15:20 TTh, Peik Hall 165, Partially Online; Meets With: 001 FIN 1002; Lily Obeda ; 5 cr.

4004 Intermediate Finnish for Graduate Research II (Student Option;)

52494 001 DIS, 15:35-16:25 MW, ONLINE BLENDED, 15:35-16:25 TTh, Peik Hall 165, Partially Online; Meets With: 001 FIN 1004; Lily Obeda ; 5 cr.

4012 Advanced Finnish for Graduate Research (Student Option;)

53262 001 DIS, 16:40-17:55 TTh, Peik Hall 165, In Person; Meets With: 001 FIN 3012; Lily Obeda ; 3 cr.

Fisheries and Wildlife (FW)

2001W Introduction to Fisheries, Wildlife, and Conservation Biology (Student Option; Prereq: BIOL 1001 or BIOL 1009ENV,WI)

56351 001 LEC, 11:45-13:00 TTh, ONLINE BLENDED, 11:45-13:00 TTh, Alderman Hall 405, Partially Online; Gretchen Hansen ; 3 cr.

2003 Introduction to Marine Biology (Student Option; Prereq: BIOL 1001 or BIOL 1009 or BIOL 2002 or ESCI 1006 or ESCI 1106 or instr consent)

56203 001 LEC, 12:50-13:40 MWF, Ruttan Hall B25, In Person; Peter Sorensen ; 3 cr.

3106 Vegetation Sampling for Habitat Assessments (A-F or Audit; Prereq: [soph, jr, sr], FW major, must be taken concurrently with FW 3108)

56606 001 FWK, 15:00-17:00 F, Plant Growth Facility 140A/B, 13:00-17:00 MTW, Plant Growth Facility 140A/B, In Person; Elena West ; 1 cr.

3108 Field Methods in Research and Conservation of Vertebrate Populations (A-F or Audit; Prereq: [soph, jr, sr], FW major, must be taken concurrently with FW 3106)

56607 001 FWK, 12:00-15:00 F, Plant Growth Facility 140A/B, 08:00-12:00 MTW, Plant Growth Facility 140A/B, In Person; Elena West ; 3 cr.

3293 Directed Study Fisheries (Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)

56421 001 IND, In Person; Gretchen Hansen ; 1-4 cr.
 56426 002 IND, In Person; Loren Miller ; 1-4 cr.
 56427 003 IND, In Person; Ray Newman ; 1-4 cr.
 56428 004 IND, In Person; Jim Perry ; 1-4 cr.
 56429 005 IND, In Person; Andrew Simons ; 1-4 cr.
 56430 006 IND, In Person; Peter Sorensen ; 1-4 cr.

3294 Directed Research Fisheries

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56423 001 IND, In Person; Gretchen Hansen ; 1-4 cr.
 56442 002 IND, In Person; Loren Miller ; 1-4 cr.
 56443 003 IND, In Person; Ray Newman ; 1-4 cr.
 56444 004 IND, In Person; Andrew Simons ; 1-4 cr.
 56445 005 IND, In Person; Peter Sorensen ; 1-4 cr.

3393 Directed Study Wildlife

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)

56420 001 IND, In Person; Todd Arnold ; 1-4 cr.
 56431 002 IND, In Person; Joseph Bump ; 1-4 cr.
 56432 003 IND, In Person; John Fieberg ; 1-4 cr.
 56433 004 IND, In Person; Kristen Nelson ; 1-4 cr.
 56434 005 IND, In Person; Jim Perry ; 1-4 cr.
 56540 006 IND, In Person; Francie Cuthbert ; 1-4 cr.

3394 Directed Research Wildlife

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56424 001 IND, In Person; Todd Arnold ; 1-4 cr.
 56446 002 IND, In Person; Joseph Bump ; 1-4 cr.
 56447 003 IND, In Person; John Fieberg ; 1-4 cr.
 56448 004 IND, In Person; Kristen Nelson ; 1-4 cr.
 56541 005 IND, In Person; Francie Cuthbert ; 1-4 cr.

3493 Directed Study Conservation Biology

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)

56422 001 IND, In Person; Robert Blair ; 1-4 cr.
 56435 002 IND, In Person; Joseph Bump ; 1-4 cr.
 56436 003 IND, In Person; Francie Cuthbert ; 1-4 cr.
 56437 004 IND, In Person; Susan Galatowitsch ; 1-4 cr.
 56438 005 IND, In Person; Gretchen Hansen ; 1-4 cr.
 56439 006 IND, In Person; Kristen Nelson ; 1-4 cr.
 56440 007 IND, In Person; Jim Perry ; 1-4 cr.

3494 Directed Research Conservation

Biology
 (Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56425 001 IND, In Person; Robert Blair ; 1-4 cr.
 56449 002 IND, In Person; Joseph Bump ; 1-4 cr.
 56450 003 IND, In Person; Francie Cuthbert ; 1-4 cr.
 56451 004 IND, In Person; Susan Galatowitsch ; 1-4 cr.
 56452 005 IND, In Person; Gretchen Hansen ; 1-4 cr.
 56453 006 IND, In Person; Kristen Nelson ; 1-4 cr.
 56454 007 IND, In Person; Jim Perry ; 1-4 cr.

3925 Human Dimensions of Fisheries and Wildlife Management

(A-F only ;)
 56306 001 LEC, 10:15-11:30 MW, Ruttan Hall B45, In Person; Ellen Candler ; 3 cr.

4001 Biometry

(A-F or Audit ;)
 65734 001 LEC, 14:00-15:15 TTh, Lrng & Environmental Sci 230, In Person; James Forester ; 4 cr.
 65735 002 LAB, 15:00-16:50 M, Lrng & Environmental Sci 230, In Person; James Forester ; 4 cr.

4101 Herpetology

(Student Option; Prereq: BIOL 1001 or BIOL 2012)
 67649 001 LEC, 11:45-12:35 MWF, Green Hall 110, In Person; Kenneth Kozak ; 4 cr.
 67650 002 LAB, 12:50-14:45 M, Ecology Building 160, In Person; Kenneth Kozak ; 4 cr.
 67651 003 LAB, 12:50-14:45 W, Ecology Building 160, In Person; Kenneth Kozak ; 4 cr.

4102 Principles of Conservation Biology

(Student Option; Prereq: introductory biology courseENV)
 56193 001 LEC, 11:45-13:00 TTh, Biological Sciences Ctr 64, In Person; Sushma Reddy ; 3 cr.

4107 Principles of Fisheries Science and Management

(A-F only; Prerequisite: Intro biology course, [jr or sr])
 56330 001 LEC, 09:35-10:25 MWF, Hodson Hall 490, In Person; Ray Newman ; 3 cr.

4629 Wildlife Care and Handling Externship

(A-F only ;)
 56335 001 DIS, 09:00-11:00 Th, Ruttan Hall B42, In Person; Michael Verhoeven ; 3 cr.

5051 Analysis of Populations

(Student Option; Prereq: [4001 or STAT 3011 or ESPM 3012], [EEB 3407 or EEB 3408W or EEB 3807], Senior or grad student)

56130 001 LEC, 15:00-16:55 TTh, Twin Cities Remote, Completely Online; Todd Arnold ; 4 cr.

5293 Directed Study Fisheries

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)

56504 001 IND, In Person; Gretchen Hansen ; 1-4 cr.
 56528 002 IND, In Person; Loren Miller ; 1-4 cr.
 56529 003 IND, In Person; Ray Newman ; 1-4 cr.
 56530 004 IND, In Person; Jim Perry ; 1-4 cr.
 56531 005 IND, In Person; Andrew Simons ; 1-4 cr.
 56532 006 IND, In Person; Peter Sorensen ; 1-4 cr.
 68744 007 IND, In Person; Lynn Waterhouse ; 1-4 cr.

5294 Directed Research Fisheries

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56512 001 IND, In Person; Gretchen Hansen ; 1-4 cr.
 56513 002 IND, In Person; Loren Miller ; 1-4 cr.
 56514 003 IND, In Person; Ray Newman ; 1-4 cr.
 56515 004 IND, In Person; Andrew Simons ; 1-4 cr.
 56516 005 IND, In Person; Peter Sorensen ; 1-4 cr.

5393 Directed Study Wildlife

(Student Option ;)
 56505 001 IND, In Person; David Andersen ; 1-4 cr.
 56533 002 IND, In Person; Joseph Bump ; 1-4 cr.
 56534 003 IND, In Person; John Fieberg ; 1-4 cr.
 56535 004 IND, In Person; Kristen Nelson ; 1-4 cr.
 56536 005 IND, In Person; Jim Perry ; 1-4 cr.
 56542 006 IND, In Person; Francie Cuthbert ; 1-4 cr.

5394 Directed Research Wildlife

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56517 001 IND, In Person; David Andersen ; 1-4 cr.
 56518 002 IND, In Person; Joseph Bump ; 1-4 cr.
 56519 003 IND, In Person; John Fieberg ; 1-4 cr.
 56520 004 IND, In Person; Kristen Nelson ; 1-4 cr.
 56543 005 IND, In Person; Francie Cuthbert ; 1-4 cr.

5493 Directed Study Conservation Biology

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)

56506 001 IND, In Person; Robert Blair ; 1-4 cr.
 56507 002 IND, In Person; Joseph Bump ; 1-4 cr.
 56508 003 IND, In Person; Francie Cuthbert ; 1-4 cr.
 56509 004 IND, In Person; Gretchen Hansen ; 1-4 cr.
 56510 005 IND, In Person; Kristen Nelson ; 1-4 cr.
 56511 006 IND, In Person; Jim Perry ; 1-4 cr.
 67730 007 IND, In Person; Lynn Waterhouse ; 1-4 cr.

5494 Directed Research Conservation

Biology
 (Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56521 001 IND, In Person; Robert Blair ; 1-4 cr.
 56522 002 IND, In Person; Joseph Bump ; 1-4 cr.
 56523 003 IND, In Person; Francie Cuthbert ; 1-4 cr.
 56524 004 IND, In Person; Susan Galatowitsch ; 1-4 cr.
 56525 005 IND, In Person; Gretchen Hansen ; 1-4 cr.
 56526 006 IND, In Person; Kristen Nelson ; 1-4 cr.
 56527 007 IND, In Person; Jim Perry ; 1-4 cr.

Food Science and Nutrition (FSCN)

1011 Science of Food and Cooking

(Student Option; PHYS)
 56262 001 LEC, 11:45-13:00 TTh, Food Science & Nutrition 15, In Person; Belal J Muhialdin Mula Hasan ; 4 cr.
 56263 002 LAB, 09:35-11:30 T, McNeal Hall 126, In Person; Anna Bishop ; 4 cr.

56264 003 LAB, 13:15-15:10 T, McNeal Hall 126, In Person; Anna Bishop ; 4 cr.
 56265 004 LAB, 09:35-11:30 Th, McNeal Hall 126, In Person; Anna Bishop ; 4 cr.
 56266 005 LAB, 13:15-15:10 Th, McNeal Hall 126, In Person; Anna Bishop ; 4 cr.

1012 Sports Nutrition

(Student Option ;)
 56339 001 LEC, Completely Online; Renata Korczak ; 3 cr.

1013 Dietary Supplements: scientific, regulatory, and cultural aspects

(Student Option; CIV)
 56633 001 LEC, Completely Online; Robin Schow ; 3 cr.

1102 Food: Safety, Risks, and Technology

(Student Option No Audit; CIV)
 55943 001 LEC, 15:00-16:15 TTh, Ruttan Hall B45, In Person; Eleanore Hansen ; 3 cr.

1112 Principles of Nutrition

(Student Option; Prerequisites: High school biology and chemistryTS)
 55944 002 LEC, 16:00-17:15 MW, Bruininks Hall 220, In Person; Robin Schow ; 3 cr.
 56654 003 LEC, Completely Online; Corrie Marion ; 3 cr.

2021 Introductory Microbiology

(A-F only ;)
 56238 001 LEC, 08:30-09:20 MWF, Andrew Boss Laboratory 125, In Person; Steven Bowden ; 4 cr.
 56239 002 LAB, 14:45-16:40 T, Food Science & Nutrition 218, In Person; Steven Bowden ; 4 cr.
 56240 003 LAB, 14:45-16:40 W, Food Science & Nutrition 218, In Person; Steven Bowden ; 4 cr.
 56268 004 LAB, 14:45-16:40 Th, Food Science & Nutrition 218, In Person; Steven Bowden ; 4 cr.

2512 Food Customs and Culture

(A-F or Audit; GP)
 56647 001 LEC, 10:15-11:30 TTh, Food Science & Nutrition 15, In Person; Francine Overcash, Job Ubbink ; 3 cr.

3612 Life Cycle Nutrition

(Student Option ;)
 56305 001 LEC, 09:35-10:25 MWF, Food Science & Nutrition 15, In Person; Aimee Tritt ; 3 cr.

3993 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)
 56560 001 IND, In Person; 1-4 cr.

3994 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)
 56561 001 IND, In Person; 1-4 cr.

4096 Professional Experience Program: Internship

(A-F only; Prereq: To register, students must fill out FScN Internship Agreement form, available at <http://fscn.cfans.umn.edu>. Contact fscnug@umn.edu with questions.)
 68100 001 FWK, In Person; Toluwani Awokoya ; 1-4 cr.

4113 Ingredient Functionality and Applications in Food

(Student Option ;)
 56539 001 LEC, 16:05-16:55 WF, Food Science & Nutrition 15, In Person; George Annor, Serpil Metin, Christine Nowakowski ; 2 cr.

4121 Food Microbiology

(Student Option No Audit; Prereq: BIOC 3021, [2021 or VBS 2032 or MICB 3301])
 55945 001 LEC, 10:40-11:30 WF, Andrew Boss Laboratory 125, In Person; Luna Akhtar ; 3 cr.
 56319 003 LAB, 08:30-10:25 TTh, Food Science & Nutrition 218, In Person; Belal J Muhialdin Mula Hasan ; 3 cr.

4335 Food Processing Fundamentals II

(A-F only ;)
 56655 001 LEC, 11:45-12:35 WF, Ruttan Hall B25, In Person; Kumar Mallikarjunan ; 3 cr.
 56656 002 LAB, 12:50-15:50 M, Food Science & Nutrition 23, In Person; Kumar Mallikarjunan ; 3 cr.

4349 Food Science Capstone

(A-F only; Prereq: 4112, 4121, 4131, 4312, 4332, BBE 4744, Food Science Major, senior)
56232 001 LAB, 15:30-18:30 TTh, Food Science & Nutrition 23, In Person; Kumar Mallikarjunan ; 2 cr.

4482 Sensory Evaluation of Food Quality (A-F only;)

56657 001 LEC, 12:50-13:40 W, McNeal Hall 146, In Person; Zata Vickers ; 2 cr.
56658 002 LAB, 15:00-15:50 W, McNeal Hall 126, 09:35-10:25 W, McNeal Hall 126, In Person; Zata Vickers ; 2 cr.
56659 003 LAB, 13:55-14:45 W, McNeal Hall 126, 11:35-12:25 W, McNeal Hall 126, In Person; Zata Vickers ; 2 cr.

4612W Advanced Human Nutrition

(Student Option; Prerequisites: FSCN 1112, CHEM 1062 and CHEM 1066 Enforced Prerequisites (students cannot register without the following): BioC 3021 or PHSL 3051 or ANSC 3301 or BIOL 3211 or Instructor Consent(W))
56302 001 LEC, 10:40-12:35 MW, Food Science & Nutrition 15, In Person; Joanne Slavin ; 4 cr.

4613 Experimental Nutrition

(Student Option; Prerequisites: BIOC 3021, STAT 3011, Nutrition Major, or Instructor Consent)
55946 002 LAB, 12:50-15:50 M, Andrew Boss Laboratory 135, In Person; Dan Gallaher ; 2 cr.
56016 001 LEC, 11:45-12:35 F, Andrew Boss Laboratory 125, In Person; Dan Gallaher ; 2 cr.
56019 003 LAB, 12:50-15:50 W, Andrew Boss Laboratory 135, In Person; Dan Gallaher ; 2 cr.
56229 005 LAB, 09:35-12:35 T, Andrew Boss Laboratory 135, In Person; Dan Gallaher ; 2 cr.

4614W Community Nutrition

(A-F only; DSJ,WI,SOCS)
55947 001 LEC, 13:30-14:45 TTh, Andrew Boss Laboratory 125, In Person; Francine Overcash ; 3 cr.

4622 Nutritional Toxicology, the basic science of diet-related toxicants

(A-F only; Prereq: BIOC 3021; designed for students majoring in [nutrition or food science or toxicology])
56241 001 LEC, 15:00-16:15 MW, Ruttan Hall 143, In Person; Meets With: 001 NUTR 5627; Chi Chen ; 3 cr.

4666 Medical Nutrition Therapy II

(A-F or Audit; Prereq: FSCN 4665, FSCN 4612, PHSL 3051, BIOC 3021)
55948 001 LEC, 11:45-13:00 TTh, Ruttan Hall B35, In Person; Kathleen Hill Gallant ; 3 cr.
56608 002 LEC, 11:45-13:00 TTh, Twin Cities Remote, Completely Online; Kathleen Hill Gallant, Toluwani Awokoya ; 3 cr.

4732 Food and Nutrition Management

(A-F or Audit; Prereq: 3732)
55949 001 LEC, 08:05-09:20 TTh, Andrew Boss Laboratory 125, In Person; Len Marquart ; 3 cr.

5335 Food Processing Fundamentals II

(Student Option;)
68771 001 LEC, 11:45-12:35 WF, Ruttan Hall B25, In Person; Kumar Mallikarjunan ; 3 cr.
68772 002 LAB, 12:50-15:50 M, Food Science & Nutrition 23, In Person; Kumar Mallikarjunan ; 3 cr.

5531 Grains: Introduction to Cereal

Chemistry and Technology
(Student Option; Prereq: Biol 1009, Chem 1022)
56552 001 LEC, 18:00-19:50 W, Food Science & Nutrition 15, In Person; George Annor ; 2 cr.

5601 Management of Eating Disorders

(Student Option; Prereq: Junior, senior or graduate student in nutrition or health related program or instructor consent.)
56267 001 LEC, 17:30-20:10 T, Ruttan Hall B22, In Person; Jillian Lampert ; 3 cr.

5993 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)
56558 001 IND, In Person; 1-4 cr.

5994 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56559 001 IND, In Person; 1-4 cr.

Food Systems (FDSY)

2101 Plant Production Systems

(Student Option; Prereq: College level general biology course or Hort 1001 or instr consent)
56290 001 LEC, 10:15-11:30 TTh, Alderman Hall 405, In Person; Thomas Michaels ; 3 cr.

2102 Diversity of Agricultural Production Systems

(A-F only;)
56652 001 LEC, In Person; 3 cr.

3093 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)
56573 001 IND, In Person; 1-4 cr.

3094 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)
56576 001 IND, In Person; 1-4 cr.

4101 Holistic Approaches to Improving

Food Systems Sustainability
(A-F only; Prerequisites: FDSY 1016W and APEC 3202; or instructor consent)
56300 001 LEC, 15:00-17:30 Th, Alderman Hall 415, In Person; Julie Grossman ; 3 cr.

Foreign Study (FOST)

Forest and Natural Res. Mgmt. (FNRM)

3131 Geographical Information Systems (GIS) for Natural Resources

(A-F only; Prereq: Soph or jr or sr or UHP frTS)
56118 001 LEC, 16:05-18:00 M, Green Hall 110, In Person; Andrew Jenks, Paul Bolstad ; 4 cr.
56119 002 LAB, 18:00-20:00 M, Skok Hall 35, In Person; Paul Bolstad, Andrew Jenks ; 4 cr.
56128 003 LAB, 12:50-14:45 W, Skok Hall 35, In Person; Andrew Jenks, Paul Bolstad ; 4 cr.
56303 020 LEC, 00:00-00:00 , ONLINE, Completely Online; Andrew Jenks, Paul Bolstad ; 4 cr.
56304 021 LAB, 00:00-00:00 , ONLINE, Completely Online; Andrew Jenks, Paul Bolstad ; 4 cr.

3203 Forest Fire and Disturbance Ecology (A-F or Audit;)

56108 001 LEC, 08:45-10:00 TTh, Skok Hall 100, In Person; Meets With: 001 FNRM 5203; Lee Frelich ; 3 cr.

3218 Measuring and Modeling Forests

(A-F or Audit; Prereq: [ESPM 3012 or STAT 3011], MATH 1151)
55921 001 LEC, 11:45-12:35 MWF, Green Hall 203, In Person; Meets With: 001 FNRM 5218; Christopher Edgar ; 3 cr.

3262 Remote Sensing and Geospatial Analysis of Natural Resources and Environment

(Student Option; Prereq: None, but prior coursework in GIS and Statistics is recommended.)
56416 001 LEC, Completely Online; Meets With: 001 FNRM 5262; Chad Babcock ; 3 cr.
56417 002 LAB, Completely Online; Meets With: 002 FNRM 5262; Chad Babcock ; 3 cr.

3362 Drones: Data, Analysis, and Operations

(Student Option; Prereq: None, but prior coursework in GIS is recommended.)
56362 001 LEC, 09:35-11:30 F, Green Hall 19, In Person; Meets With: 001 FNRM 5362; Joe Knight, Daniel Heins ; 3 cr.

3431 Timber Harvesting and Road Planning (Student Option; Prereq: FNRM 3411 or instr consent)

55941 001 LEC, 13:55-14:45 MW, Green Hall 203, In Person; Meets With: 001 FNRM 5431; Charlie Blinn ; 2 cr.

3462 Advanced Remote Sensing and Geospatial Analysis

(Student Option; Prereq: FNRM 3262/5262 or instr consent)
56360 001 LEC, 10:15-11:30 TTh, Green Hall 203, In Person; Meets With: 001 FNRM 5462; Joe Knight ; 3 cr.

3501 Arboriculture: Selection and Maintenance of Trees

(Student Option;)
55939 001 LEC, 13:30-14:45 TTh, Green Hall 203, In Person; Gary Johnson ; 3 cr.

3993 Directed Study

(Student Option; Prereq: Department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements)
55991 001 IND, 00:00-00:00 , In Person; Chad Babcock ; 1-4 cr.
55992 002 IND, 00:00-00:00 , In Person; Charlie Blinn ; 1-4 cr.
55993 005 IND, 00:00-00:00 , In Person; Dean Current ; 1-4 cr.
55994 006 IND, 00:00-00:00 , In Person; Mae Davenport ; 1-4 cr.
55995 007 IND, 00:00-00:00 , In Person; Andrew David ; 1-4 cr.
55996 008 IND, 00:00-00:00 , In Person; Mike Dockry ; 1-4 cr.
55997 009 IND, 00:00-00:00 , In Person; Christopher Edgar ; 1-4 cr.
55998 012 IND, 00:00-00:00 , In Person; Diana Karwan ; 1-4 cr.
55999 014 IND, 00:00-00:00 , In Person; Joe Knight ; 1-4 cr.
56000 015 IND, 00:00-00:00 , In Person; Rebecca Montgomery ; 1-4 cr.
56002 019 IND, 00:00-00:00 , In Person; Marcella Windmuller-Campione ; 1-4 cr.
56003 020 IND, 00:00-00:00 , In Person; John Zobel ; 1-4 cr.
56022 011 IND, 00:00-00:00 , In Person; Lee Frelich ; 1-4 cr.
56023 013 IND, 00:00-00:00 , In Person; Mike Kilgore ; 1-4 cr.
56024 016 IND, 00:00-00:00 , In Person; Kristen Nelson ; 1-4 cr.
56132 010 IND, 00:00-00:00 , In Person; Forrest Fleischman ; 1-4 cr.
56194 017 IND, 00:00-00:00 , In Person; Peter Reich ; 1-4 cr.
56197 004 IND, 00:00-00:00 , In Person; Stephan Carlson ; 1-4 cr.
56340 003 IND, In Person; Paul Bolstad ; 1-4 cr.

3994 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)
56455 001 IND, In Person; Chad Babcock ; 1-4 cr.
56456 002 IND, In Person; Charlie Blinn ; 1-4 cr.
56457 003 IND, In Person; Paul Bolstad ; 1-4 cr.
56458 004 IND, In Person; Stephan Carlson ; 1-4 cr.
56460 005 IND, In Person; Dean Current ; 1-4 cr.
56461 006 IND, In Person; Mae Davenport ; 1-4 cr.
56462 007 IND, In Person; Andrew David ; 1-4 cr.
56463 008 IND, In Person; Mike Dockry ; 1-4 cr.
56464 009 IND, In Person; Christopher Edgar ; 1-4 cr.
56465 010 IND, In Person; Forrest Fleischman ; 1-4 cr.
56466 011 IND, In Person; Lee Frelich ; 1-4 cr.
56467 012 IND, In Person; 1-4 cr.
56468 013 IND, In Person; Mike Kilgore ; 1-4 cr.
56469 014 IND, In Person; Joe Knight ; 1-4 cr.
56470 016 IND, In Person; Kristen Nelson ; 1-4 cr.
56471 015 IND, In Person; Rebecca Montgomery ; 1-4 cr.
56472 017 IND, In Person; Peter Reich ; 1-4 cr.
56474 019 IND, In Person; Marcella Windmuller-Campione ; 1-4 cr.
56475 020 IND, In Person; John Zobel ; 1-4 cr.

4232W Managing Recreational Lands

(A-F or Audit; WI)
56100 001 LEC, 11:45-13:00 TTh, Hodson Hall 490, In Person; Meets With: 001 FNRM 5232; Amit Pradhananga, Ami Choi ; 4 cr.
56101 002 DIS, 13:55-14:45 Th, Hodson Hall 490, In Person; Meets With: 002 FNRM 5232; Amit Pradhananga, Ami Choi ; 4 cr.

4501 Urban Forest Management: Managing Greenspaces for People (Student Option;)

56113 001 LEC, 14:00-15:15 MW, Green Hall 19, In Person;
Meets With: 001 FNRM 5501; Gary Johnson ; 3 cr.

4511 Field Silviculture

(A-F only; Prereq: FNRM 3411)

56616 001 LAB, In Person; Marcella Windmuller-Campione ;
2 cr.

4515 Field Resource Survey

(Student Option; Prereq: FNRM 3218 or instructor consent)

56617 001 LAB, In Person; John Zobel ; 1 cr.

4521 Field Timber Harvesting and Road Planning

(Student Option; Prereq: FNRM 3411 and 3431, or instructor consent.)

56618 001 LAB, In Person; Charlie Blinn ; 2 cr.

5153 Forest Hydrology & Watershed Biogeochemistry

(Student Option; Prereq: [Basic hydrology course, one course in ecology, and one course in chemistry [upper div or grad student]] or instr consent)

65804 001 LEC, 10:15-11:30 MW, Green Hall 19, In Person;
Diana Karwan ; 3 cr.

5203 Forest Fire and Disturbance Ecology

(A-F or Audit; Prereq: Grad student or instr consent)

56109 001 LEC, 08:45-10:00 TTh, Skok Hall 100, In Person;
Meets With: 001 FNRM 3203; Lee Frelich ; 3 cr.

5232 Managing Recreational Lands

(A-F or Audit; Prereq: Grad student or instr consent)

56102 001 LEC, 11:45-13:00 TTh, Hodson Hall 490,
In Person; Meets With: 001 FNRM 4232W; Amit Pradhananga, Ami Choi ; 4 cr.

56107 002 DIS, 13:55-14:45 Th, Hodson Hall 490, In Person;
Meets With: 002 FNRM 4232W; Amit Pradhananga, Ami Choi ; 4 cr.

5262 Remote Sensing and Geospatial Analysis of Natural Resources and Environment

(Student Option; Prereq: Grad student or instr consent)

56418 001 LEC, Completely Online; Meets With: 001 FNRM 3262; Chad Babcock ; 3 cr.

56419 002 LAB, Completely Online; Meets With: 002 FNRM 3262; Chad Babcock ; 3 cr.

5362 Drones: Data, Analysis, and Operations

(Student Option; Prereq: grad student or instr consent)

56361 001 LEC, 09:35-11:30 F, Green Hall 19, In Person;
Meets With: 001 FNRM 3362; Joe Knight, Daniel Heins ; 3 cr.

5431 Timber Harvesting and Road Planning

(Student Option; Prereq: grad student)

56104 001 LEC, 13:55-14:45 MW, Green Hall 203, In Person;
Meets With: 001 FNRM 3431; Charlie Blinn ; 2 cr.

5462 Advanced Remote Sensing and Geospatial Analysis

(Student Option; Prereq: grad student or instr consent)

56248 001 LEC, 10:15-11:30 TTh, Green Hall 203, In Person;
Meets With: 001 FNRM 3462; Joe Knight ; 3 cr.

5501 Urban Forest Management: Managing Greenspaces for People

(Student Option;)

55940 001 LEC, 14:00-15:15 MW, Green Hall 19, In Person;
Meets With: 001 FNRM 4501; Gary Johnson ; 3 cr.

French (FREN)

1001 Beginning French I

(Student Option;)

52055 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 104,
Partially Online; Meets With: 001 FREN 4001; Lucas Godillon ; 5 cr.

52056 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 120,
Partially Online; Meets With: 002 FREN 4001; Daria Belchik ; 5 cr.

52057 003 DIS, 11:15-12:05 MTWTh, Folwell Hall 106,
Partially Online; Meets With: 003 FREN 4001; Nahile Belghali ; 5 cr.

53593 004 DIS, 14:30-16:25 TTh, Folwell Hall 5, Partially Online;
Meets With: 004 FREN 4001; Anne Thompson ; 5 cr.

1002 Beginning French II

(Student Option; Prereq: FREN 1001 or equivalent.)

52058 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 104,
Partially Online; Meets With: 001 FREN 4002; Shima Sahranavard ; 5 cr.

52059 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 18,
Partially Online; Meets With: 002 FREN 4002; Chim?ne Dupuis ; 5 cr.

52060 003 DIS, 13:25-14:15 MTWTh, Folwell Hall 105,
Partially Online; Meets With: 003 FREN 4002; Ashlie Henery ; 5 cr.

52061 004 DIS, 14:30-16:25 TTh, Folwell Hall 4, Partially Online;
Meets With: 004 FREN 4002; Ashlie Henery ; 5 cr.
55252 005 DIS, 18:20-20:25 MTh, Folwell Hall 10, In Person;
Sally Kessler ; 5 cr.

1003 Intermediate French I

(Student Option; Prereq: C- or better in FREN 1002 or 1022, or EPT for students taking their first French course at the U)

52062 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 18,
Partially Online; Meets With: 001 FREN 4003; Lydia Belateche ; 5 cr.

52063 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 13,
Partially Online; Meets With: 002 FREN 4003; Anne Thompson ; 5 cr.

52064 003 DIS, 11:15-12:05 MTWTh, Folwell Hall 103,
Partially Online; Meets With: 003 FREN 4003; Anne Thompson ; 5 cr.

52280 004 DIS, 12:20-13:10 MTWTh, Twin Cities Remote,
Completely Online; Meets With: 004 FREN 4003; Patricia Mougel ; 5 cr.

52664 005 DIS, 13:25-14:15 MTWTh, Folwell Hall 121,
Partially Online; Meets With: 005 FREN 4003; Fidele Tchoffo Tsasse ; 5 cr.

52665 006 DIS, 14:30-16:25 TTh, Folwell Hall 30, Partially Online;
Meets With: 006 FREN 4003; Lauren Goodspeed ; 5 cr.

1004 Intermediate French II

(Student Option; Prereq: C- or better in FREN 1003, or EPT/LPE (for students taking their first French course at the U))

52065 001 DIS, 08:00-08:50 MTWTh, Twin Cities Remote,
Completely Online; Meets With: 001 FREN 4004; Patricia Mougel ; 5 cr.

52066 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 13,
Partially Online; Meets With: 002 FREN 4004; Arwa Reda ; 5 cr.

52067 003 DIS, 10:10-11:00 MTWTh, Folwell Hall 5, Partially Online;
Pauline Maison-Dessemme ; 5 cr.

52068 004 DIS, 11:15-12:05 MTWTh, Folwell Hall 18,
Partially Online; Meets With: 004 FREN 4004; Marina Calas ; 5 cr.

52069 005 DIS, 13:25-14:15 MTWTh, Twin Cities Remote,
Completely Online; Meets With: 005 FREN 4004; Patricia Mougel ; 5 cr.

52666 006 DIS, 13:25-14:15 MTWTh, Folwell Hall 104,
Partially Online; Meets With: 006 FREN 4004; 5 cr.

52667 007 DIS, 18:20-20:25 MTh, Folwell Hall 13, In Person;
Meets With: 007 FREN 4004; Jeremy Labbe ; 5 cr.

1022 Accelerated Beginning French

(Student Option;)

52273 001 DIS, 11:15-12:05 MTWTh, Folwell Hall 16,
11:15-12:05 F, Folwell Hall 16, Partially Online; Meets With: 001 FREN 4022; Lydia Belateche ; 5 cr.

54298 002 DIS, 13:25-14:15 MTWTh, Folwell Hall 18,
13:25-14:15 F, Folwell Hall 18, Partially Online; Meets With: 002 FREN 4022; Lydia Belateche ; 5 cr.

1501 Gateways to French and Francophone Studies: English Only

(A-F or Audit; Prerequisites. All materials for French 1501 are in English, and students in all programs are welcome!AH,GP)

54596 001 DIS, 14:30-15:45 TTh, Burton Hall 120, In Person;
Chloe Mais Hagen ; 3 cr.

1502 Gateways to French and Francophone Studies: Bilingual

(A-F or Audit; Prereq: FREN 1004 (or equivalent through the LPE)AH,GP)

54597 001 DIS, 14:30-15:45 TTh, Burton Hall 125, In Person;
Jennifer Row ; 3 cr.

3015 Advanced French Grammar and Communication

(Student Option; Prerequisite: French 1004 or LPE. Voil?, c'est fait: You have completed French 1004 or passed the LPE. You are certified as an intermediate speaker of French. Don't lose your momentum! French 3015 allows you to start working toward a new goal: advanced proficiency in speaking, listening,

reading, and writing French. Along with this higher proficiency comes a deeper understanding of French and Francophone culture around the world. In this class, you will focus on grammar in context, reading longer, more complex texts in the original language. You will write short compositions that include various genres such as the first-person narrative, the business letter, and the essay. You will learn how to use the correction software Antidote as a means of perfecting your writing skills. In class, you will participate in group work to boost your oral comprehension skills and in writing workshops to boost your writing skills. Listening activities include a film, an audiobook, a song, and videos related to readings. Written exercises include translation, grammar, and vocabulary building. Literary readings include excerpts from a medieval text (La I?gende de Tristan et Iseut), as well as four 20th-century texts (by Danielle Cadorette, Annie Ernaux, Albert Camus, and Pierre-Jakez H?lias). Journalists include Kamel Daoud (published in the Le Monde) and Fatym Layachi (published in the Moroccan newspaper Tel Quel). Based on these readings and discussions of the themes of friendship, family, education, work, technology, and bilingualism, you will explore notions of identity in the French and Francophone world.)
52070 001 DIS, 13:25-14:15 MWF, Amundson Hall 120, In Person; Kate Paesani ; 3 cr.
52071 002 DIS, 11:15-12:05 MWF, Folwell Hall 116, In Person; Ramon Fonkoue ; 3 cr.

3016 Advanced French Composition and Communication

(Student Option; Prerequisite: FREN 3015.)

52072 001 LEC, 09:05-09:55 MWF, Folwell Hall 32, In Person; Trina Whitaker ; 3 cr.

52073 002 LEC, 10:10-11:00 MWF, Folwell Hall 116, In Person; Magdala Lissa Jeudy ; 3 cr.

3101W Methods in French and Francophone Studies

(Student Option; Prereq: 3016 or equivLITR,WI)

52074 001 DIS, 09:45-11:00 TTh, Folwell Hall 108, In Person; Bruno Chaouat ; 3 cr.

52828 002 DIS, 13:00-14:15 MW, Kolthoff Hall 133, In Person; Magdala Lissa Jeudy ; 3 cr.

3333 The Idea of Paris: Writing and Viewing the City

(Student Option; Prereq: 3101W)

65948 001 LEC, 13:00-14:15 TTh, Kolthoff Hall 138, In Person; Bruno Chaouat ; 3 cr.

3471 Topics in Francophone African Literature and Cultures

(Student Option; Prereq: 3101WGP)

65824 001 LEC, 11:15-12:30 MW, Folwell Hall 12, In Person;
Hakim Abderrezak ; 3 cr.

3850 Topics in French and Francophone Media

(Student Option; Prereq: FREN 3015.)

66072 001 DIS, 14:30-15:45 W, Folwell Hall 28, 14:30-16:25 M, Folwell Hall 4, In Person; Ramon Fonkoue ; 3 cr.

4001 Beginning French for Graduate Student Research I

(Student Option;)

54303 004 DIS, 14:30-16:25 TTh, Folwell Hall 5, Partially Online; Meets With: 004 FREN 1001; Anne Thompson ; 5 cr.

54304 003 DIS, 11:15-12:05 MTWTh, Folwell Hall 106,
Partially Online; Meets With: 003 FREN 1001; Nahile Belghali ; 5 cr.

54628 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 105,
Partially Online; Meets With: 001 FREN 1001; Lucas Godillon ; 5 cr.

54629 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 120,
Partially Online; Meets With: 002 FREN 1001; Daria Belchik ; 5 cr.

4002 Beginning French for Graduate Student Research II

(Student Option; Prereq: FREN 1001/4001 or equivalent.)

54305 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 18,
Partially Online; Meets With: 002 FREN 1002; Chim?ne Dupuis ; 5 cr.

54306 003 DIS, 13:25-14:15 MTWTh, Folwell Hall 105,
Partially Online; Meets With: 003 FREN 1002; Ashlie Henery ; 5 cr.

54630 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 104,
Partially Online; Meets With: 001 FREN 1002; Shima Sahranavard ; 5 cr.

54631 004 DIS, 14:30-16:25 TTh, Folwell Hall 4, Partially Online; Meets With: 004 FREN 1002; Ashlie Henery ; 5 cr.

4003 Int French for Grad Research I

(Student Option; Prereq: C- or better in FREN 1002/4002 or 1022/4022, or EPT (for students taking their first French course at the U))

54307 005 DIS, 13:25-14:15 MTWTh, Folwell Hall 121, Partially Online; Meets With: 005 FREN 1003; Fidele Tchhoffo Tsasse ; 5 cr.

54308 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 13, Partially Online; Meets With: 002 FREN 1003; Anne Thompson ; 5 cr.

54309 006 DIS, 14:30-16:25 TTh, Folwell Hall 30, Partially Online; Meets With: 006 FREN 1003; Lauren Goodspeed ; 5 cr.

54632 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 18, Partially Online; Meets With: 001 FREN 1003; Lydia Belateche ; 5 cr.

54633 003 DIS, 11:15-12:05 MTWTh, Folwell Hall 103, Partially Online; Meets With: 003 FREN 1003; Anne Thompson ; 5 cr.

54634 004 DIS, 12:20-13:10 MTWTh, Twin Cities Remote, Completely Online; Meets With: 004 FREN 1003; Patricia Mousel ; 5 cr.

4004 Intermediate French for Graduate Student Research II

(Student Option; Prereq: C- or better in FREN 1003/4003, or EPT/LPE (for students taking their first French course at the U))

54310 007 DIS, 18:20-20:25 MTh, Folwell Hall 13, In Person; Meets With: 007 FREN 1004; Jeremy Labbe ; 5 cr.

54311 005 DIS, 13:25-14:15 MTWTh, Twin Cities Remote, Completely Online; Meets With: 005 FREN 1004; Patricia Mousel ; 5 cr.

54635 006 DIS, 13:25-14:15 MTWTh, Folwell Hall 104, Partially Online; Meets With: 006 FREN 1004; 5 cr.

54636 001 DIS, 08:00-08:50 MTWTh, Twin Cities Remote, Completely Online; Meets With: 001 FREN 1004; Patricia Mousel ; 5 cr.

54637 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 13, Partially Online; Meets With: 002 FREN 1004; Arwa Reda ; 5 cr.

54638 004 DIS, 11:15-12:05 MTWTh, Folwell Hall 18, Partially Online; Meets With: 004 FREN 1004; Marina Calas ; 5 cr.

4022 Accelerated Beginning French for Graduate Student Research

(Student Option; Prereq: 1001/4001 or equivalent)

54312 001 DIS, 11:15-12:05 MTWTh, Folwell Hall 16, 11:15-12:05 F, Folwell Hall 16, In Person; Meets With: 001 FREN 1022; Lydia Belateche ; 5 cr.

54313 002 DIS, 13:25-14:15 MTWTh, Folwell Hall 18, 13:25-14:15 F, Folwell Hall 18, In Person; Meets With: 002 FREN 1022; Lydia Belateche ; 5 cr.

4101V Honors Capstone Seminar in French and Francophone Studies

(A-F only; Prereq: French 3101W and at least three electives completed.WI)

53979 001 LAB, 10:10-12:05 T, Room TBA, In Person; Meets With: 001 FREN 4101W; Jennifer Row ; 2 cr.

4101W Capstone Seminar in French and Francophone Studies

(A-F only; Prereq: French 3101W and at least three electives completed.WI)

55194 001 DIS, 10:10-12:05 T, Room TBA, In Person; Meets With: 001 FREN 4101V; Jennifer Row ; 2 cr.

4993 Directed Study

(Student Option; Prereq: instr consent)

52075 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

52768 002 IND, In Person; Juliette Cherbuliez ; 1-4 cr.

52769 003 IND, In Person; 1-4 cr.

52770 004 IND, In Person; 1-4 cr.

52771 005 IND, In Person; 1-4 cr.

52801 006 IND, 00:00-00:00 , , In Person; 1-4 cr.

5265 Graduate Proseminar in French Studies

(Student Option;)

65949 001 DIS, 14:30-17:00 W, Folwell Hall 107, In Person; Hakim Abderrezak ; 2 cr.

5301 Critical Issues in French Studies

(Student Option; Prereq: Grad or instr consent)

65862 001 DIS, 14:30-17:00 T, Folwell Hall 119, In Person; Christophe Wall-Romana ; 3 cr.

5995 Directed Teaching

(S-N or Audit;)

67981 001 DIS, 13:00-14:15 W, Folwell Hall 107, In Person; Lauren Goodspeed ; 1 cr.

Gay, Lesbian, Bisexual, Transg (GLBT)

3309 LGBTQ Literature: Then and Now

(Student Option; DSJ,LITR)

55283 001 LEC, 16:00-17:15 MW, Pillsbury Hall 311, In Person; Meets With: 001 ENGL 3331; James Cihlar ; 3 cr.

3404 Transnational Sexualities

(Student Option; GP)

67706 001 LEC, 13:25-14:15 TTh, Nicholson Hall 110, In Person; Meets With: 001 GWSS 3404; Ali Yildirim ; 3 cr.

3502 Transgender Studies Now

(Student Option; DSJ)

54407 001 DIS, 14:30-15:20 TTh, Appleby Hall 219, In Person; Meets With: 001 GWSS 3502; Aren Aizura ; 3 cr.

3993 Directed Studies

(A-F or Audit; Prereq: GLBT studies minor, instr consent)

52774 001 IND, 00:00-00:00 , , In Person; 1-6 cr.

5993 Directed Study

(Student Option;)

53702 001 IND, In Person; 1-12 cr.

Gender, Women, & Sexuality Std (GWSS)

1001 Gender, Power, and Everyday Life

(Student Option;)

67361 001 DIS, Completely Online; Isaac Esposto ; 3 cr.

1002 Politics of Sex

(Student Option; DSJ,SOCS)

54945 001 LEC, 11:15-12:05 TTh, Mayo Bldg & Additions C231, In Person; Sima Shaksari ; 3 cr.

65945 002 DIS, 09:05-09:55 F, Ford Hall 110, In Person; 3 cr.

65946 003 DIS, 10:10-11:00 F, Ford Hall 130, In Person; 3 cr.

66000 004 DIS, 11:15-12:05 F, Ford Hall 130, In Person; 3 cr.

66001 005 DIS, 12:20-13:10 F, Ford Hall 130, In Person; 3 cr.

1003W Women Write the World

(Student Option; GP,WI,LITR)

54062 001 LEC, 10:10-11:00 MW, Rapson Hall 56, In Person; Meets With: 001 ENGL 1003W; Rachmi Diyah Larasati ; 3 cr.

54328 003 DIS, 11:15-12:05 W, Bruininks Hall 123, In Person; Meets With: 003 ENGL 1003W; 3 cr.

54430 005 DIS, 11:15-12:05 M, Amundson Hall 156, In Person; Meets With: 005 ENGL 1003W; 3 cr.

54687 002 DIS, 12:20-13:10 W, Appleby Hall 219, In Person; Meets With: 002 ENGL 1003W; 3 cr.

54802 004 DIS, 12:20-13:10 M, Akerman Hall 215, In Person; Meets With: 004 ENGL 1003W; 3 cr.

1005 Engaging Justice

(Student Option; CIV)

54330 001 LEC, Completely Online; Miranda Joseph ; 3 cr.

3203W Blood, Bodies and Science

(Student Option; SOCS,WI,TS)

53548 001 LEC, 10:10-11:00 TTh, Twin Cities Remote, Completely Online; Sara Seweid-DeAngelis ; 3 cr.

67987 002 DIS, 12:20-13:10 Th, Ford Hall 130, In Person; 3 cr.

67992 003 DIS, 12:20-13:10 Th, Twin Cities Remote, Completely Online; 3 cr.

67993 004 DIS, 15:35-16:25 Th, Pillsbury Hall 311, In Person; 3 cr.

67995 006 DIS, 10:10-11:00 F, Twin Cities Remote, Completely Online; 3 cr.

3302 Women and the Arts

(Student Option; AH,DSJ)

67703 001 DIS, 15:35-16:25 MW, Ford Hall 150, In Person; Rachmi Diyah Larasati ; 3 cr.

3404 Transnational Sexualities

(Student Option; GP)

67705 001 LEC, 13:25-14:15 TTh, Nicholson Hall 110, In Person; Meets With: 001 GLBT 3404; Ali Yildirim ; 3 cr.

3406 Gender, Labor, and Politics

(Student Option; GP,SOCS)

54432 001 LEC, Completely Online; Meets With: 001 GWSS 3406H; Miranda Joseph ; 3 cr.

3406H Honors: Gender, Work, Labor

(A-F only; GP,SOCS)

54433 001 LEC, Completely Online; Meets With: 001 GWSS 3406; Miranda Joseph ; 3 cr.

3409W Asian American Women's Cultural Production

(Student Option; AH,WI,DSJ)

54666 001 DIS, 17:00-19:30 T, Nicholson Hall 315, In Person; Meets With: 001 AAS 3409W; Jigna Desai ; 3 cr.

3502 Transgender Studies Now

(Student Option; DSJ)

54406 001 DIS, 14:30-15:20 TTh, Appleby Hall 219, In Person; Meets With: 001 GLBT 3502; Aren Aizura ; 3 cr.

3896 Internship for Academic Credit

(Student Option;)

68768 001 FWK, 13:30-14:20 F, , In Person; Kari Smalkoski ; 1-4 cr.

3993 Directed Study

(Student Option; Prereq instr consent, dept consent, college consent.)

52762 002 IND, 00:00-00:00 , , In Person; 1-12 cr.

3994 Directed Research

(Student Option; Prereq instr consent, dept consent, college consent.)

52526 001 IND, In Person; 1-12 cr.

4108 Senior Capstone: Writing

(A-F only;)

53700 001 DIS, 14:30-17:00 M, Ford Hall 400, In Person; Kari Smalkoski ; 3 cr.

4980 Directed Instruction

(Student Option;)

52532 001 IND, In Person; 1-8 cr.

4993 Directed Study

(Student Option; Prereq: Filled out student/faculty contract, instr consent, dept consent, college consent)

52234 001 IND, In Person; 1-5 cr.

52262 002 IND, In Person; 1-5 cr.

4994 Directed Research

(Student Option;)

52527 001 IND, In Person; 1-8 cr.

5993 Directed Study

(Student Option;)

53591 001 IND, Independent/Directed Study; 1-12 cr.

5994 Directed Instruction

(Student Option;)

52528 001 IND, In Person; 1-12 cr.

5995 Directed Research

(Student Option;)

52529 001 IND, In Person; 1-8 cr.

General Dentistry (GEND)

5153 Advanced General Dentistry Seminar III

(S-N or Audit;)

56745 001 LEC, 00:00-00:00 , , In Person Term Based; James Gambucci ; 2-10 cr.

5256 Advanced General Dentistry Clinic III

(S-N or Audit;)

56746 001 FWK, 00:00-00:00 , , In Person Term Based; James Gambucci ; 5-15 cr.

5263 Advanced General Dentistry Clinical Administration III

(S-N or Audit;)

56747 001 FWK, 00:00-00:00 , , In Person Term Based; James Gambucci ; 1-10 cr.

5266 Advanced General Dentistry Clinic VI

(S-N or Audit;)

56748 001 FWK, 00:00-00:00 , , In Person Term Based;
James Gambucci, Carol Koskela ; 1-15 cr.

Genetics, Cell Biol/Developmnt (GCD)

2171 Stem Cells in Biomedicine and Society

(Student Option; Prerequisites: BIOL1009 (General Biology), BIOL1951 (Foundations of Biology Lecture I for Biological Sciences Majors) or an equivalent General Biology course that includes basic coverage of genetics and cell biology This course can NOT be used as an elective for some CBS majors, such as the GCD major. Check the Program Requirements for your major to determine if it can be used as an elective.TS)
67170 001 DIS, 08:00-09:15 TTh, Molecular Cellular Biol 2-122, In Person; Yasu Kawakami ; 3 cr.

3022 Genetics

(Student Option; Prereq: Introductory biology course such as Biol 1009)
49941 001 LEC, 09:45-11:00 TTh, Bruininks Hall 330, In Person; Nikunj Somia ; 3 cr.
49979 002 LEC, 14:30-15:45 TTh, Bruininks Hall 230, In Person; York Marahrens ; 3 cr.

3033 Principles of Cell Biology

(A-F only; Prereq: BIOL 1009 or equiv)
50005 001 LEC, 09:45-11:00 TTh, Mayo Bldg & Additions 3-100, In Person; Sean Conner ; 3 cr.
50120 002 LEC, Completely Online; Sean Conner ; 3 cr.

3486 Personal Genome Analysis

(A-F only; Prereq: Biol 2003/2003H)
50236 001 LEC, 08:15-09:30 TTh, Bruininks Hall 530B, In Person; David Matthes ; 3 cr.

4005W Cell Biology-Writing Intensive

(A-F only; Prereq: GCD major, Biol2003/2003H or Biol4003 or gradWI)
50007 001 DIS, 09:05-09:55 Th, Bruininks Hall 512A, 09:05-09:55 MWF, Bruininks Hall 131B, In Person; Deanna Koeppe ; 4 cr.

4025 Cell Biology, Development & Regeneration Laboratory

(Student Option; Prereq: Biol 2003/2003H or instructor permission; Recommended prerequisite: Biol 4004 or GCD 4005W (priority enrollment to GCD majors))
49888 002 LAB, 12:20-16:25 M, Molecular Cellular Biol 2-124, In Person; Ann Rougvie, Hiroshi Nakato ; 3 cr.
49913 001 LEC, 11:15-12:05 M, Molecular Cellular Biol 2-120, In Person; Ann Rougvie, Hiroshi Nakato, Maureen Cetera ; 3 cr.
50131 003 LAB, 12:20-16:25 W, Molecular Cellular Biol 2-124, In Person; Ann Rougvie, Hiroshi Nakato ; 3 cr.

4111 Histology: Cell and Tissue Organization

(Student Option; Prereq: GCD 3033 or BIOL 4004 or instructor consent)
49800 001 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Jan Norrander ; 4 cr.
49801 002 LAB, 11:15-12:55 TTh, Twin Cities Remote, Completely Online; Jan Norrander ; 4 cr.

4143 Human Genetics and Genomics

(Student Option; Prereq: Biol 4003 or instructor consent)
49820 001 LEC, 09:45-11:00 TTh, Molecular Cellular Biol 2-120, In Person; Frank Albert ; 3 cr.

4144W Human Genetics - Writing Intensive

(Student Option No Audit; Prereq: BIOL 4003 or instr consent; Health and Genomics minorWI)
65929 001 LEC, 09:45-11:00 TTh, Molecular Cellular Biol 2-120, In Person; Heewon Lee ; 4 cr.

4171 Stem Cells in Biology and Medicine

(A-F only; Prerequisites: BIOL 4003 Genetics; recommended prerequisite: BIOL 4004 Cell Biology or GCD 4005W This course can be used as an elective for certain CBS majors, such as the GCD major. Check the Program Requirements for your major to determine if it can be used as an elective.)
50004 001 LEC, 10:10-11:00 MWF, Molecular Cellular Biol 2-120, In Person; Jeffrey Simon ; 3 cr.

4693 Genomics Directed Studies - Literature Review

(S-N only; Prereq: department consent; instructor consent.)
50264 001 IND, 00:00-00:00 , , In Person; David Matthes ; 2-4 cr.

4694 Genomics Directed Research

(S-N only; Prereq: department consent; instructor consent.)
67252 001 IND, In Person; David Matthes ; 2-4 cr.

4793W Directed Studies: Writing Intensive

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements. WI)
49875 001 IND, 00:00-00:00 , , In Person; 1-7 cr.

4794W Directed Research: Writing Intensive

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements. WI)
49876 001 IND, In Person; Dana Davis ; 1-7 cr.
50221 002 IND, In Person; 1-7 cr.

4993 Directed Studies

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements.)
49818 001 IND, 00:00-00:00 , , In Person; 1-7 cr.

4994 Directed Research

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements.)
49817 001 IND, 00:00-00:00 , , In Person; 1-7 cr.

Geographic Information Science (GIS)

5530 GIS Internship

(S-N only; Prereq: instr consent, strong GIS/mapping skills)
53214 001 FWK, 00:00-00:00 , , Independent/Directed Study; Susanna McMaster ; 1-3 cr.

5572 ArcGIS II

(Student Option; Prereq: [5571, [GEOG 5561 or equiv], in MGIS program] or instr consent)
52592 001 LEC, 17:30-19:30 Th, Blegen Hall 435, In Person; Bryan Runck ; 3 cr.
68022 002 LAB, 19:45-21:15 Th, Blegen Hall 455, In Person; Michael Felzan ; 3 cr.

5576 Spatial Digital Humanities

(Student Option;)
67568 001 LEC, 18:30-20:00 W, Blegen Hall 455, 17:30-18:30 W, Blegen Hall 425, In Person; Ryan Matkke ; 3 cr.

5577 Spatial Database Design and Administration

(Student Option;)
54112 001 LAB, 18:00-20:50 T, Twin Cities Remote, Completely Online; David Haynes ; 3 cr.

Geography (GEOG)

1301W Our Globalizing World

(Student Option; GP,WI,SOCS)
51766 001 LEC, 10:10-11:00 MW, Blegen Hall 10, In Person; Julie Santella ; 3 cr.
51767 003 DIS, 11:15-12:05 W, Blegen Hall 330, In Person; 3 cr.
54409 006 DIS, 10:10-11:00 F, Blegen Hall 110, In Person; 3 cr.

1372 Geography of Global Cities

(Student Option; GP,SOCS)
55889 001 LEC, 11:15-12:30 TTh, Blegen Hall 150, In Person; Ateeb Ahmed ; 3 cr.

1403 Biogeography of the Global Garden

(Student Option; BIOL,ENV)
51879 001 LEC, 11:15-12:30 MW, Willey Hall 175, In Person; Kurt Kipfmuller ; 4 cr.
51880 003 LAB, 13:00-14:15 M, Social Sciences Building 167, In Person; 4 cr.
51881 004 LAB, 14:30-15:45 M, Social Sciences Building 167, In Person; 4 cr.

51882 006 LAB, 09:45-11:00 T, Social Sciences Building 167, In Person; 4 cr.
51883 008 LAB, 13:00-14:15 T, Social Sciences Building 167, In Person; 4 cr.
51884 010 LAB, 09:45-11:00 W, Social Sciences Building 167, In Person; 4 cr.
51885 011 LAB, 13:00-14:15 W, Social Sciences Building 167, In Person; 4 cr.
52347 002 LAB, 09:45-11:00 M, Social Sciences Building 167, In Person; 4 cr.
52348 009 LAB, 14:30-15:45 T, Social Sciences Building 167, In Person; 4 cr.
53625 007 LAB, 11:15-12:30 T, Social Sciences Building 167, In Person; 4 cr.

1425 Introduction to Weather and Climate

(Student Option; ENV,PHYS)
52722 001 LEC, 15:35-16:25 MWF, Bruininks Hall 412, In Person; Meets With: 001 ESPM 1425; Peter Snyder ; 4 cr.
52822 002 LAB, 16:40-17:30 M, Bruininks Hall 412, In Person; Meets With: 002 ESPM 1425; Peter Snyder ; 4 cr.
52963 003 LAB, 16:40-17:30 W, Bruininks Hall 412, In Person; Meets With: 003 ESPM 1425; Peter Snyder ; 4 cr.

1502 Mapping Our World

(Student Option; SOCS,TS)
52723 001 LEC, Completely Online; Ganapathy Narayanaraj ; 3 cr.

1973 Geography of the Twin Cities

(Student Option; SOCS)
67571 001 LEC, 09:45-11:00 TTh, Blegen Hall 240, In Person; Meets With: 001 GEOG 3973; William Lindeke ; 3 cr.

3111 Geography of Minnesota

(Student Option;)
55461 001 LEC, 10:00-12:30 F, Blegen Hall 415, In Person; Daniel Griffin ; 3 cr.

3341 Black Geographies

(Student Option;)
55457 001 LEC, 09:45-11:00 MW, Blegen Hall 115, In Person; Meets With: 001 AFRO 3341; Adam Bledsoe ; 3 cr.

3371W Cities, Citizens, and Communities

(Student Option; DSJ,WI)
52651 001 LEC, 11:15-12:30 TTh, Blegen Hall 10, In Person; Madelaine Cahuas ; 3 cr.

3377 Music in the City

(A-F or Audit; AH,DSJ)
54806 001 LEC, 09:45-11:00 MW, Blegen Hall 260, In Person; Arun Saldanha ; 3 cr.

3381W Population in an Interacting World

(Student Option; GP,WI,SOCS)
52919 001 LEC, 13:00-14:15 MW, Blegen Hall 5, In Person; John Kendall ; 3 cr.

3401W Geography of Environmental Systems and Global Change

(Student Option; ENV,WI)
52724 001 LEC, Completely Online; Meets With: 001 GEOG 5401W; Katherine Klink ; 3 cr.

3421 Climatology

(Student Option;)
55460 001 LEC, 11:15-12:30 T, Blegen Hall 317, In Person; Daniel Griffin ; 4 cr.
55474 002 LAB, 11:15-12:30 Th, Blegen Hall 455, In Person; 4 cr.

3511 Principles of Cartography

(Student Option; Prereq: 3 cr in geog or instr consent)
53619 002 LAB, 13:00-14:55 M, Blegen Hall 455, In Person; Meets With: 002 GEOG 5511; 4 cr.
53620 003 LAB, 14:30-16:25 W, Blegen Hall 455, In Person; Meets With: 003 GEOG 5511; 4 cr.
53934 001 LEC, 11:15-12:30 MW, Blegen Hall 415, In Person; Meets With: 001 GEOG 5511; Kate Carlson ; 4 cr.

3541 Principles of Geocomputing

(Student Option;)
54384 001 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Meets With: 001 GEOG 5541; Eric Shook ; 3 cr.

3561 Principles of Geographic Information Science

(Student Option; Prereq: Jr or sr)
67690 001 LEC, 13:00-14:15 MW, Blegen Hall 120, In Person; Meets With: 001 GEOG 5561; Ganapathy Narayanaraj ; 4 cr.

67691 002 LAB, 14:30-16:25 T, Blegen Hall 455, In Person; Meets With: 002 GEOG 5561; 4 cr.
67692 003 LAB, 10:10-12:05 W, Blegen Hall 455, In Person; Meets With: 003 GEOG 5561; 4 cr.

3900 Topics in Geography

(Student Option;)

67929 001 LEC, 14:30-15:45 TTh, Blegen Hall 230, In Person; Madelaine Cahuas ; 3 cr.
67930 002 LEC, 09:30-12:30 F, Blegen Hall 455, In Person; Ganapathy Narayanaraj ; 3 cr.

3973 Geography of the Twin Cities

(Student Option; SOCS)

67986 001 LEC, 09:45-11:00 TTh, Blegen Hall 240, In Person; Meets With: 001 GEOG 1973; William Lindeke ; 3 cr.

3991 Geography Capstone

(S-N only;)

67573 001 DIS, In Person; Ivan Bialostosky ; 1 cr.

3992 Directed Reading

(Student Option; Prereq-instr consent, dept consent, college consent.)

52201 001 IND, In Person; 1-8 cr.

3993 Directed Studies

(Student Option; Prereq-instr consent, dept consent, college consent.)

52200 001 IND, In Person; 1-8 cr.

3994 Directed Research

(Student Option; Prereq instr consent, dept consent, college consent.)

52202 001 IND, 00:00-00:00 , In Person; Ivan Bialostosky ; 1-8 cr.

5401W Geography of Environmental Systems and Global Change

(Student Option; Prereq: grad student or instr consentENV,WI)

54167 001 LEC, Completely Online; Meets With: 001 GEOG 3401W; Katherine Klink ; 3 cr.

5511 Principles of Cartography

(Student Option;)

53621 001 LEC, 11:15-12:30 MW, Blegen Hall 415, In Person; Meets With: 001 GEOG 3511; Kate Carlson ; 4 cr.
53622 002 LAB, 13:00-14:55 M, Blegen Hall 455, In Person; Meets With: 002 GEOG 3511; 4 cr.
53623 003 LAB, 14:30-16:25 W, Blegen Hall 455, In Person; Meets With: 003 GEOG 3511; 4 cr.

5541 Principles of Geocomputing

(A-F or Audit;)

54385 001 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Meets With: 001 GEOG 3541; Eric Shook ; 3 cr.

5561 Principles of Geographic Information Science

(Student Option; Prereq: grad)

67693 001 LEC, 13:00-14:15 MW, Blegen Hall 120, In Person; Meets With: 001 GEOG 3561; Ganapathy Narayanaraj ; 4 cr.
67694 002 LAB, 14:30-16:25 T, Blegen Hall 455, In Person; Meets With: 002 GEOG 3561; 4 cr.
67695 003 LAB, 10:10-12:05 W, Blegen Hall 455, In Person; Meets With: 003 GEOG 3561; 4 cr.

5563 Advanced Geographic Information Science

(Student Option; Prereq: B or better in 3561 or 5561 or instr consent)

54386 001 LEC, 09:45-11:00 T, Blegen Hall 330, In Person; Mohsen Ahmadkhani ; 3 cr.
54387 002 LAB, 09:45-11:00 Th, Blegen Hall 455, In Person; 3 cr.

German (GER)

1001 Beginning German

(Student Option;)

51923 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 105, Partially Online; Meets With: 001 GER 4001; Emily Groepper ; 5 cr.
52916 002 DIS, 13:25-14:15 MTWTh, Folwell Hall 4, Partially Online; Meets With: 002 GER 4001; Beth Kautz ; 5 cr.

1002 Beginning German

(Student Option; Prereq: 1001)

51936 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 103, Partially Online; Meets With: 001 GER 4002; Jennifer Peterson ; 5 cr.
51937 002 DIS, 11:15-12:05 MTWTh, Folwell Hall 104, Partially Online; Meets With: 002 GER 4002; Jennifer Peterson ; 5 cr.
51938 003 DIS, 18:20-20:25 MW, Folwell Hall 16, In Person; Meets With: 003 GER 4002; Emily Groepper ; 5 cr.

1003 Intermediate German

(Student Option; Prereq: 1002 or Entrance Proficiency Test)

51939 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 10, Partially Online; Meets With: 001 GER 4003; Missy Drew ; 5 cr.
51940 002 DIS, 13:25-14:15 MTWTh, Folwell Hall 120, Partially Online; Meets With: 002 GER 4003; Ginny Steinhagen ; 5 cr.
52577 003 DIS, 18:20-20:25 TTh, Folwell Hall 16, In Person; Meets With: 003 GER 4003; Ari Hoptman ; 5 cr.

1004 Intermediate German

(Student Option; Prereq: 1003 or completion of Entrance Proficiency Test at 1004 level)

51941 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 10, Partially Online; Meets With: 001 GER 4004; Bjorn Treber ; 5 cr.
51942 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 10, Partially Online; Meets With: 002 GER 4004; Arsenia laneva-Lockney ; 5 cr.
51943 003 DIS, 13:25-14:15 MTWTh, Folwell Hall 103, Partially Online; Meets With: 003 GER 4004; Helena Ruf ; 5 cr.
65775 004 DIS, 18:20-20:25 TTh, Folwell Hall 31, In Person; Meets With: 004 GER 4004; Arsenia laneva-Lockney ; 5 cr.

1022 Beginning German Review

(Student Option; Prereq: Placement above 1001)

55238 001 DIS, 12:20-13:10 MTWTh, Folwell Hall 16, Partially Online; Jennifer Peterson ; 5 cr.

3011W Conversation and Composition

(Student Option; Prereq: 1004WI)

51964 001 DIS, 10:10-12:05 TTh, Kolthoff Hall 133, In Person; Beth Kautz ; 4 cr.
52653 002 DIS, 14:30-16:25 MW, Folwell Hall 6, In Person; Vincent Kancans ; 4 cr.

3012W Conversation and Composition

(Student Option; Prereq: 3011WWI)

53414 001 DIS, 13:00-14:15 MW, Kolthoff Hall 137, In Person; Arsenia laneva-Lockney ; 3 cr.

3104W Reading and Analysis of German Literature

(Student Option; Prereq: 3011LITR,WI)

52187 001 DIS, 09:45-11:00 TTh, Kolthoff Hall 135, In Person; Thomas Gurke ; 3 cr.

3501 Contemporary Germany

(Student Option; Prereq: 3011)

55210 001 LEC, 09:45-11:00 MW, Twin Cities Remote, Completely Online; Henning Schroeder ; 3 cr.

3601 German Medieval Literature

(Student Option; Prereq: No knowledge of German requiredGP,LITR)

65688 001 LEC, 11:15-12:30 MW, Folwell Hall 108, In Person; Anatoly Liberman ; 3 cr.

3701 History of the German Language

(Student Option; Prereq: 1004)

64541 001 DIS, 14:30-15:45 MW, Folwell Hall 119, In Person; Meets With: 001 GER 5711; Anatoly Liberman ; 3 cr.

3993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)

52169 001 IND, 00:00-00:00 , In Person; 1-4 cr.

4001 Beginning German for Graduate

Research

(Student Option; Prereq: Grad student)

52967 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 105, Partially Online; Meets With: 001 GER 1001; Emily Groepper ; 5 cr.
52968 002 DIS, 13:25-14:15 MTWTh, Folwell Hall 4, Partially Online; Meets With: 002 GER 1001; Beth Kautz ; 5 cr.

4002 Beginning German for Graduate

Research

(Student Option; Prereq: Grad student)

52969 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 103, Partially Online; Meets With: 001 GER 1002; Jennifer Peterson ; 5 cr.
52970 002 DIS, 11:15-12:05 MTWTh, Folwell Hall 104, Partially Online; Meets With: 002 GER 1002; Jennifer Peterson ; 5 cr.
52971 003 DIS, 18:20-20:25 MW, Folwell Hall 16, In Person; Meets With: 003 GER 1002; Emily Groepper ; 5 cr.

4003 Intermediate German for Graduate Research

(Student Option; Prereq: Grad student)

52972 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 10, Partially Online; Meets With: 001 GER 1003; Missy Drew ; 5 cr.
52973 002 DIS, 13:25-14:15 MTWTh, Folwell Hall 120, Partially Online; Meets With: 002 GER 1003; Ginny Steinhagen ; 5 cr.
52974 003 DIS, 18:20-20:25 TTh, Folwell Hall 16, In Person; Meets With: 003 GER 1003; Ari Hoptman ; 5 cr.

4004 Intermediate German for Graduate Research

(Student Option; Prereq: Grad student)

52975 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 10, Partially Online; Meets With: 001 GER 1004; Bjorn Treber ; 5 cr.
52976 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 10, Partially Online; Meets With: 002 GER 1004; Arsenia laneva-Lockney ; 5 cr.
52977 003 DIS, 13:25-14:15 MTWTh, Folwell Hall 103, In Person; Meets With: 003 GER 1004; Helena Ruf ; 5 cr.
67973 004 DIS, 18:20-20:25 TTh, Folwell Hall 31, In Person; Meets With: 004 GER 1004; Arsenia laneva-Lockney ; 5 cr.

5610 German Literature in Translation

(Student Option; Prereq: No knowledge of German required; cr toward major or minor requires reading in German)

65806 001 DIS, 16:40-19:10 W, Folwell Hall 103, In Person; Meets With: 001 PHIL 4414001 PHIL 5414; Matthias Rothe ; 3 cr.

5711 History of the German Language I

(Student Option; Prereq: 3011)

64542 001 LEC, 14:30-15:45 MW, Folwell Hall 119, In Person; Meets With: 001 GER 3701; Anatoly Liberman ; 3 cr.

5993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)

52158 001 IND, 00:00-00:00 , In Person; 1-4 cr.

German,Scandinavian, and Dutch (GSD)

3451V Honors Major Project Seminar

(A-F or Audit; Prereq: Honors studentWI)

55218 001 LEC, 11:15-12:30 TTh, Folwell Hall 116, In Person; Meets With: 001 RUSS 3311V001 RUSS 3311V001 GSD 3451W; Jamele Watkins ; 3 cr.

3451W Major Project Seminar

(A-F or Audit; WI)

55219 001 LEC, 11:15-12:30 TTh, Folwell Hall 116, In Person; Meets With: 001 GSD 3451V001 RUSS 3311V001 RUSS 3311W; Jamele Watkins ; 3 cr.

3512W Imagined Communities:

German and European, Culture and Controversies, 1700 to Present

(Student Option; WI)

52153 001 DIS, 13:00-14:15 TTh, Folwell Hall 12, In Person; Thomas Gurke ; 3 cr.

Gerontology (GERO)

5103 Aging and Society

(Student Option;)

67934 001 DIS, 14:30-16:30 T, Health Sciences Edu Ctr 4-191, In Person; Meets With: 001 PUBH 6882; Tetyana Shippee ; 2 cr.

5518 Equity and Long-Term Care Quality

(A-F only; Prerequisites but students are encouraged to take a course on U.S. health care (e.g., PubH 6556,

Health and Health Systems) prior to taking the course.
Cross-listed with: PubH 6518)

63152 001 LEC, In Person; Meets With: 001 PUBH 6518; 2 cr.

Global Studies (GLOS)

1112 Social Justice and Globalization

(A-F only; GP)
65381 001 LEC, 15:35-18:00 M, Folwell Hall 112, In Person;
Camille Braun ; 3 cr.

3105 Exploring the World: The Practice of Interdisciplinary Research

(Student Option;)
55207 001 LEC, 14:30-15:45 TTh, Blegen Hall 125, In
Person; Serra Hakyemez ; 3 cr.

3145 Global Modernity, the Nation-State, and Capitalism

(A-F only; Prereq: soph, jr, or sr Units: 3.00)
52039 001 LEC, 10:10-11:00 MW, Blegen Hall 5, In Person;
Meets With: 001 GLOS 3145H; Vinay Gidwani ; 3 cr.
52572 002 DIS, 10:10-11:00 F, Blegen Hall 260, In Person;
Lisa Santosa ; 3 cr.
52573 003 DIS, 11:15-12:05 F, Blegen Hall 260, In Person;
Lisa Santosa ; 3 cr.
52574 004 DIS, 10:10-11:00 F, Blegen Hall 115, In Person;
3 cr.

3145H Honors: Global Modernity, the Nation-State, and Capitalism

(A-F only; Prereq: Honors soph, jr, or sr Units: 3.00)
52341 001 LEC, 10:10-11:00 MW, Blegen Hall 5, In Person;
Meets With: 001 GLOS 3145; Vinay Gidwani ; 3 cr.
52571 002 DIS, 10:10-11:00 F, Blegen Hall 215, In Person;
Vinay Gidwani ; 3 cr.

3305 Science for Sale: Environment, Capital, and Medicine

(A-F only; Prereq: soph or jr or sr)
65396 001 LEC, 11:15-12:30 TTh, Blegen Hall 110, In
Person; Susan Craddock ; 3 cr.

3412 What is Equality?

(A-F only; CIV)
55188 001 LEC, 13:00-14:15 TTh, Blegen Hall 115, In
Person; Ajay Skaria ; 3 cr.

3606 Art and Incarceration: Prison Voices and Visions

(Student Option;)
66198 001 LEC, 14:30-17:00 Th, Blegen Hall 205, In Person;
Danielle Dadrás ; 3 cr.

3609 Novels and Nations

(Student Option; GP,LITR)
65398 001 LEC, 09:45-11:00 TTh, Blegen Hall 115, In
Person; Thomas Wolfe ; 3 cr.

3896 Global Studies Internship

(A-F or Audit; Prereq: dept consent)
52760 001 LEC, 13:00-15:20 W, Hubert H. Humphrey School
25, In Person; Amy Hill Cosimini ; 3 cr.

3900 Topics in Global Studies

(Student Option;)
65869 001 LEC, 14:30-15:45 TTh, Twin Cities Remote,
Completely Online; Michael Goldman ; 1-5 cr.

3981W Capstone Seminar

(A-F or Audit; Prereq: dept consentWI)
52216 001 LEC, 16:00-18:30 T, Blegen Hall 115, In Person;
Meets With: 001 GLOS 3985V; Anindita Chatterjee ; 3 cr.
53716 002 LEC, 14:30-17:00 W, Blegen Hall 260, In Person;
Meets With: 002 GLOS 3985V; Stuart McLean ; 3 cr.

3985V Honors Capstone Seminar

(A-F only; Prereq: dept consentWI)
52501 001 LEC, 16:00-18:30 T, Blegen Hall 115, In Person;
Meets With: 001 GLOS 3981W; Anindita Chatterjee ; 3 cr.
53717 002 LEC, 14:30-17:00 W, Blegen Hall 260, In Person;
Meets With: 002 GLOS 3981W; Stuart McLean ; 3 cr.

3993 Directed Study

(Student Option; Prereq instr consent, dept consent,
college consent.)
52230 001 IND, 00:00-00:00 , , In Person; 1-5 cr.

4344 Europe and its Margins

(A-F only; Prereq: One course in [ANTH or GLOS])

67784 001 LEC, 09:45-11:00 TTh, Blegen Hall 435, In
Person; Meets With: 001 ANTH 4344; Stuart McLean ; 3 cr.

5403 Human Rights Advocacy

(Student Option; Prereq: Grad student)
53781 001 LEC, 14:30-17:15 W, Blegen Hall 205, In Person;
Meets With: 001 LAW 6058; Diana Quintero ; 3 cr.

5500 Graduate Topics in Global Studies

(Student Option;)
68791 001 LEC, 16:05-18:05 Th, Mondale Hall 3, In Person;
Meets With: 001 LAW 6637; Jennifer Green ; 1-4 cr.

5900 Topics in Global Studies

(Student Option;)
68796 001 LEC, 16:05-18:05 Th, , In Person; 1-4 cr.

5993 Directed Studies

(Student Option;)
53775 001 IND, In Person; 1-4 cr.

5994 Directed Research

(Student Option; Prereq instr consent, dept consent,
college consent.)
53776 001 IND, In Person; 1-4 cr.
68712 101 IND, Independent/Directed Study; 1-4 cr.

Graduate School (GRAD)

5102 Preparation for University Teaching for Nonnative English Speakers

(S-N or Audit; Prereq: English Language Proficiency
Rating of 4; Contact cei@umn.edu for permission
number.)

57521 001 LEC, 16:40-17:30 M, Bruininks Hall 512A,
Partially Online; Elena Stetsenko ; 2 cr.
57527 005 LAB, 13:25-14:15 Th, Univ Ofc Plaza 124,
Primarily Online; Elena Stetsenko ; 2 cr.
68292 004 LAB, 10:10-11:00 Th, Univ Ofc Plaza 124,
Primarily Online; Elena Stetsenko ; 2 cr.
68293 006 LAB, 10:10-11:00 F, Univ Ofc Plaza 124, Primarily
Online; Elena Stetsenko ; 2 cr.
68294 007 LAB, 11:15-12:05 F, Univ Ofc Plaza 124, Primarily
Online; Elena Stetsenko ; 2 cr.

5105 Practicum in University Teaching for Nonnative English Speakers

(S-N or Audit; Prereq: 5102 or English Language
Proficiency Rating of 2; Contact cei@umn.edu for
permission number.)

57523 002 LEC, 15:35-16:25 M, Bruininks Hall 512A,
Partially Online; Elena Stetsenko, Alyssa Bonnac ; 1-2 cr.
57524 003 LAB, 10:10-11:00 T, Univ Ofc Plaza 124, Primarily
Online; Elena Stetsenko, Alyssa Bonnac ; 1-2 cr.
57529 006 LAB, 10:10-11:00 W, Univ Ofc Plaza 124,
Primarily Online; Elena Stetsenko, Alyssa Bonnac ; 1-2 cr.
68305 005 LAB, 15:35-16:25 T, Univ Ofc Plaza 124, Partially
Online; Elena Stetsenko, Alyssa Bonnac ; 1-2 cr.
68307 008 LAB, 15:35-16:25 W, Univ Ofc Plaza 124,
Primarily Online; Elena Stetsenko, Alyssa Bonnac ; 1-2 cr.

Grand Challenge Curriculum (GCC)

1907 Environmental Grand Challenges:

What Impact Will You Have?

(A-F only; ENV)
65713 001 LEC, 14:30-15:45 TTh, Folwell Hall 112, In
Person; Jessica Hellmann, Aaron Hanson ; 3 cr.

1911 Eleven Billion People: Can the Earth

Sustain Humanity?
(A-F only; ENV)
65694 001 LEC, 11:15-12:30 MW, Bruininks Hall 420A, In
Person; Ashok Singh ; 3 cr.

3011 Pathways to Renewable Energy

(A-F only; Prereq: sophomore, junior, seniorTS)
63596 001 LEC, 14:30-15:45 MW, Bruininks Hall 432, In
Person; Meets With: 001 GCC 5011; Beth Mercer-Taylor,
Uwe Kortshagen ; 3 cr.

3013 Making Sense of Climate Change -

Science, Art, and Agency
(A-F only; CIV)
63562 001 LEC, 14:30-15:45 TTh, Regis Center for Art E110,
In Person; Meets With: 001 GCC 5013; Christine Baeumlner,
Rebecca Montgomery ; 3 cr.

3016 Science and Society: Working Together to Avoid the Antibiotic Resistance Apocalypse

(A-F only; TS)
63538 001 LEC, 11:45-13:00 MW, Veterinary Science 215, In
Person; Meets With: 001 GCC 5016; Tim Johnson, Dawn
Foster Hartnett, Barbara Billington, Cheryl Dvorak ; 3 cr.

3025 Seeking the Good Life at the End of the World: Sustainability in the 21st Century

(A-F only; CIV)
63579 001 LEC, 13:00-14:15 TTh, Nicholson Hall 335, In
Person; Jessica Hellmann, Daniel Philippon ; 3 cr.

3031 The Global Climate Challenge: Creating an Empowered Movement for Change

(A-F only; Prereq: soph, jr, srCIV)
63539 001 LEC, 15:45-18:30 T, Bruininks Hall 432, In
Person; Meets With: 001 GCC 5031; Julia Nerbonne,
Jessica Gutknecht ; 3 cr.

3032 Ecosystem Health: Leadership at the Intersection of Humans, Animals, and the Environment

(A-F only; ENV)
63549 001 LEC, 15:00-18:00 Th, Bruininks Hall 420B, In
Person; Meets With: 001 GCC 5032; Liz Sopdie, PhD,
Shaun Kennedy ; 3 cr.

3037 Wealth & Inequality: Past, Present, Future

(A-F only; DSJ)
66132 001 LEC, 13:00-14:15 TTh, Bruininks Hall 144, In
Person; Benjamin Wiggins, Karen Ho ; 3 cr.

3038 Human Threats to Ocean Health

(A-F only; ENV)
66111 001 LEC, 11:15-12:30 TTh, Bruininks Hall 530A, In
Person; Cara Santelli, Ashok Singh ; 3 cr.

5008 Policy and Science of Global Environmental Change

(A-F only; ENV)
66133 001 LEC, 10:15-11:30 TTh, Lrng & Environmental Sci
R380, In Person; Stephen Polasky, Sarah Hobbie ; 3 cr.

5011 Pathways to Renewable Energy

(A-F only; TS)
63597 001 LEC, 14:30-15:45 MW, Bruininks Hall 432, In
Person; Meets With: 001 GCC 3011; Beth Mercer-Taylor,
Uwe Kortshagen ; 3 cr.

5013 Making Sense of Climate Change - Science, Art, and Agency

(A-F only; CIV)
63563 001 LEC, 14:30-15:45 TTh, Regis Center for Art E110,
In Person; Meets With: 001 GCC 3013; Christine Baeumlner,
Rebecca Montgomery ; 3 cr.

5016 Science and Society: Working Together to Avoid the Antibiotic Resistance Apocalypse

(A-F only; TS)
63552 001 LEC, 11:45-13:00 MW, Veterinary Science 215, In
Person; Meets With: 001 GCC 3016; Tim Johnson, Dawn
Foster Hartnett, Barbara Billington, Cheryl Dvorak ; 3 cr.

5022 The Human Experience of Sensory Loss: Seeking Equitable and Effective Solutions

(A-F only; TS)
66134 001 LEC, 15:00-17:45 Th, Elliott Hall N647, In Person;
Gordon Legge, Andrew Oxenham, Meredith Adams, Peggy
Nelson ; 3 cr.

5031 The Global Climate Challenge: Creating an Empowered Movement for Change

(A-F only; CIV)
63540 001 LEC, 15:45-18:30 T, Bruininks Hall 432, In
Person; Meets With: 001 GCC 3031; Julia Nerbonne,
Jessica Gutknecht ; 3 cr.

5032 Ecosystem Health: Leadership at the intersection of humans, animals and the environment

(A-F only; ENV)

63550 001 LEC, 15:00-18:00 Th, Bruininks Hall 420B, In Person; Meets With: 001 GCC 3032; Liz Sopdie, PhD, Shaun Kennedy ; 3 cr.

5501 Knowledge to Impact: Creating Action with Your Grand Challenge Project Idea**(A-F only ;)**

63586 001 LEC, 09:00-12:00 F, Walter Library B10, In Person; Andrea Davila, Erik Halaas ; 3 cr.

Graphic Design (GDES)**1311 Foundations: Drawing and Design in Two and Three Dimensions****(A-F or Audit;)**

49406 001 LAB, 08:30-11:30 MW, McNeal Hall 258, In Person; 4 cr.
49407 002 LAB, 11:45-14:45 TTh, McNeal Hall 258, In Person; 4 cr.
49642 003 LAB, 15:00-18:00 MW, McNeal Hall 258, In Person; 4 cr.
65784 004 LAB, 11:45-14:45 MW, McNeal Hall 475, In Person; 4 cr.

1312 Foundations: Color and Design in Two and Three Dimensions**(A-F or Audit;)**

49408 001 LAB, 11:45-13:15 W, McNeal Hall 262, Partially Online; 4 cr.
49409 002 LAB, 11:45-13:15 M, McNeal Hall 262, 11:45-13:15 M, ONLINE BLENDED, Partially Online; 4 cr.
49570 003 LAB, 15:00-16:30 W, ONLINE BLENDED, 15:00-16:30 W, McNeal Hall 262, Partially Online; 4 cr.
49643 004 LAB, 13:15-14:45 M, McNeal Hall 262, 13:15-14:45 M, ONLINE BLENDED, Partially Online; 4 cr.

1315 Foundations: The Graphic Studio**(A-F or Audit; Prereq: Graphic design premajor design minor or instr consent)**

49411 001 LAB, 08:30-11:30 MW, McNeal Hall 233, In Person; 4 cr.
49578 002 LAB, 11:45-14:45 TTh, McNeal Hall 233, In Person; 4 cr.
65786 003 LAB, 15:00-18:00 TTh, McNeal Hall 233, In Person; 4 cr.

2196 Work Experience in Graphic Design**(S-N only; Prereq: Plan submitted/approved by [adviser, internship supervisor], written approval of supervisor, instr consent)**

49413 002 FWK, Independent/Directed Study; Sauman Chu ; 1-4 cr.
49414 003 FWK, Independent/Directed Study; Brad Hokanson ; 1-4 cr.
49415 004 FWK, Independent/Directed Study; Daniel Jasper ; 1-4 cr.
49417 007 FWK, Independent/Directed Study; Carol Waldron ; 1-4 cr.
49547 005 FWK, Independent/Directed Study; Eugene Park ; 1-4 cr.
49682 008 FWK, In Person; Frances Trice ; 1-4 cr.

2342 Web Design**(A-F only ;)**

49579 002 LAB, 12:50-14:45 MW, McNeal Hall 144, In Person; 3 cr.
49685 003 LAB, 08:30-10:25 TTh, McNeal Hall 233, In Person; 3 cr.
65788 004 LAB, 15:00-16:55 MW, McNeal Hall 144, In Person; 3 cr.

2345 Typography**(A-F only ;)**

49418 001 LAB, 11:45-14:45 MW, , In Person; 4 cr.

2361 Design Process: Photography**(A-F only ;)**

49580 001 LAB, 11:45-13:40 TTh, McNeal Hall 146, In Person; 3 cr.
65790 002 LAB, 15:00-16:55 TTh, Ruttan Hall B42, In Person; 3 cr.

2399V Design and its Discontents: Design, Society, Economy, and Culture**(A-F only; WI)**

49590 001 LEC, 15:00-16:30 TTh, McNeal Hall 316, In Person; Meets With: 001 GDES 2399W; 3 cr.

2399W Design and its Discontents: Design, Society, Economy, and Culture**(A-F only; WI)**

49525 001 LEC, 15:00-16:30 TTh, McNeal Hall 316, In Person; Meets With: 001 GDES 2399V; 3 cr.

3311 Illustration**(A-F only; Prereq: GDes 1311 or ArtS 1101 or PDES 3702 or LA 1301 or Arch 3250 or Arch 2301 or instructor permission)**

49559 001 LAB, 08:30-10:25 TTh, McNeal Hall 262, In Person; Meets With: 001 GDES 5311; 3 cr.

3312 Color and Form in Surface Design**(A-F only ;)**

49419 001 LAB, 15:00-18:00 MW, McNeal Hall B9, In Person; 4 cr.
49420 002 LAB, 08:30-11:30 TTh, McNeal Hall B9, In Person; 4 cr.
65792 003 LAB, 08:30-11:30 MW, McNeal Hall B9, In Person; 4 cr.

3351 Text and Image**(A-F or Audit; Prereq: [2345 or DHA 2345], graphic design major, pass portfolio review)**

49582 001 LAB, 08:30-10:25 MW, McNeal Hall 146, In Person; 3 cr.
49583 002 LAB, 11:45-13:40 TTh, McNeal Hall 144, In Person; 3 cr.
65793 003 LAB, 15:00-16:55 TTh, McNeal Hall 146, In Person; 3 cr.

3352 Identity and Symbols**(A-F only; Prereq: pass portfolio review, graphic design major)**

49421 001 LAB, 08:30-10:25 TTh, McNeal Hall 144, In Person; Meets With: 001 GDES 3352H; 3 cr.

3352H Honors: Identity and Symbols**(A-F only ;)**

49592 001 LAB, 08:30-10:25 TTh, McNeal Hall 144, In Person; Meets With: 001 GDES 3352; 3 cr.

3353 Packaging and Display**(A-F only ;)**

49422 001 LAB, 11:45-13:40 MW, McNeal Hall 233, In Person; 3 cr.
49609 002 LAB, 11:45-13:40 TTh, McNeal Hall 262, In Person; 3 cr.

4160H Honors Capstone Project**(A-F only; Prereq: Graphic design honors)**

49424 002 LEC, In Person; Sauman Chu ; 2 cr.
49425 003 LEC, In Person; Brad Hokanson ; 2 cr.
49426 004 LEC, In Person; 2 cr.
49427 007 LEC, In Person; Carol Waldron ; 2 cr.
49512 008 LEC, In Person; Eugene Park ; 2 cr.

4193 Directed Study in Graphic Design**(Student Option No Audit; Prereq: Undergrad, instr consent)**

49428 001 IND, Independent/Directed Study; James Boyd Brent ; 1-4 cr.
49429 002 IND, Independent/Directed Study; Sauman Chu ; 1-4 cr.
49430 003 IND, Independent/Directed Study; Brad Hokanson ; 1-4 cr.
49431 004 IND, Independent/Directed Study; Daniel Jasper ; 1-4 cr.
49432 005 IND, Independent/Directed Study; Eugene Park ; 1-4 cr.
49659 007 IND, Independent/Directed Study; Frances Trice ; 1-4 cr.
49684 008 IND, Independent/Directed Study; Debra Lawton ; 1-4 cr.
49698 009 IND, Independent/Directed Study; Karl Engbretson ; 1-4 cr.
49721 010 IND, Independent/Directed Study; Cecilia Wang ; 1-4 cr.

4196 Internship in Graphic Design**(S-N or Audit; 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)**

49433 001 FWK, Independent/Directed Study; James Boyd Brent ; 1-3 cr.
49434 002 FWK, Independent/Directed Study; Sauman Chu ; 1-3 cr.
49435 003 FWK, Independent/Directed Study; Brad Hokanson ; 1-3 cr.
49436 004 FWK, Independent/Directed Study; Daniel Jasper ; 1-3 cr.
49548 005 FWK, Independent/Directed Study; Eugene Park ; 1-3 cr.
49680 007 FWK, Independent/Directed Study; 1-3 cr.

49702 008 FWK, Independent/Directed Study; Frances Trice ; 1-3 cr.

49722 009 FWK, Independent/Directed Study; Cecilia Wang ; 1-3 cr.

68668 010 FWK, Independent/Directed Study; Teresa (Terri) Moses ; 1-3 cr.

4312 Advanced Graphic Design Print**Projects****(A-F or Audit;)**

49712 001 LAB, 16:00-18:25 TTh, McNeal Hall B9, In Person; 3 cr.

4345 Advanced Typography**(A-F or Audit; Prereq: [[2345 or DHA 2345], 3351, graphic design major] or design grad student or instr consent)**

49437 001 LAB, 15:00-18:00 MW, McNeal Hall 336, In Person; 4 cr.
49523 002 LAB, 08:30-11:30 MW, McNeal Hall 336, In Person; 4 cr.

4361V Honors Thesis Studio and Writing**(A-F only; Prereq: [Graphic design major, 2399W or 2399V, 3352 or 3352H, 3353], honors student, or instr consent)**

49591 001 LAB, 15:00-16:15 TTh, McNeal Hall 336, In Person; Meets With: 001 GDES 4361W; 3 cr.

4361W Thesis Studio and Writing**(A-F only; Prereq: [Graphic design major, 2399W, 3352, 3353] or instr consent)**

49539 001 LAB, 15:00-16:15 TTh, McNeal Hall 336, In Person; Meets With: 001 GDES 4361V; 3 cr.

4362 Senior Thesis and Exhibition**(A-F only ;)**

49540 001 LAB, 08:45-10:40 TTh, McNeal Hall 336, In Person; Meets With: 001 GDES 4362H; 3 cr.
49605 002 LAB, 08:45-10:40 TTh, McNeal Hall 480, In Person; 3 cr.

4362H Senior Thesis and Exhibition**(A-F only ;)**

49593 001 LAB, 08:45-10:40 TTh, McNeal Hall 336, In Person; Meets With: 001 GDES 4362; 3 cr.

4363 Graphic Design Portfolio**(S-N only ;)**

49561 001 LAB, 11:45-13:40 MW, Biological Sciences Ctr 64, In Person; 3 cr.
49683 002 LAB, 11:45-13:40 TTh, Ruttan Hall 135B, 11:45-13:40 T, Lrng & Environmental Sci 230, 11:45-13:40 TTh, Ruttan Hall 135B, In Person; 3 cr.

4371 Data & Information Visualization**(A-F only ;)**

49572 001 LAB, 08:30-10:25 MW, Ruttan Hall 135B, In Person; Meets With: 001 GDES 5371; 3 cr.

5193 Directed Study in Graphic Design**(A-F or Audit; Prereq: Jr or sr or grad student)**

49438 001 IND, Independent/Directed Study; James Boyd Brent ; 1-4 cr.
49439 002 IND, Independent/Directed Study; Sauman Chu ; 1-4 cr.
49440 003 IND, Independent/Directed Study; Brad Hokanson ; 1-4 cr.
49441 004 IND, Independent/Directed Study; 1-4 cr.
49442 007 IND, Independent/Directed Study; Carol Waldron ; 1-4 cr.
49549 005 IND, Independent/Directed Study; Eugene Park ; 1-4 cr.
49723 008 IND, Independent/Directed Study; Cecilia Wang ; 1-4 cr.

5311 Illustration**(A-F only; Prereq: 1311 or ArtS 1101 or PDes 3702 or LA 1301 or Arch 3250 or Arch 2301 or instr consent)**

49560 001 LAB, 08:30-10:25 TTh, McNeal Hall 262, In Person; Meets With: 001 GDES 3311; 3 cr.

5371 Data & Information Visualization**(A-F only ;)**

49587 001 LAB, 08:30-10:25 MW, Ruttan Hall 135B, In Person; Meets With: 001 GDES 4371; 3 cr.

5383 Digital Illustration and Animation**(A-F or Audit; Prereq: [[2334 or 2342], design minor], [graphic design major or [grad student, experience with computer illustration]] or instr consent)**

49714 001 LAB, 11:45-13:40 TTh, McNeal Hall 336, In Person; 3 cr.

5386 Fundamentals of Game Design

(A-F or Audit; Prereq: [[2334 or 2342], design minor] or [[4384 or DHA 4384 or 5341 or DHA 5341], [graphic design major or sr or grad student]] or instr consent)
49658 001 LAB, 11:45-13:40 MW, McNeal Hall 336, In Person; 3 cr.

5388 Graphic Design Research

(A-F or Audit; Prereq: Graphic design major or grad student or instr consent)
66123 001 LEC, 15:00-17:45 TTh, Rutan Hall 143, In Person; 3 cr.

Greek (GRK)**1002 Beginning Classical Greek II**

(Student Option; Prereq: Grade of at least C- or S in 1001 or dept consent)
53411 001 LEC, 11:15-12:05 MTWThF, Nicholson Hall 335, In Person; Simone Oppen ; 5 cr.

3004 Intermediate Greek Poetry

(Student Option; Prereq: dept consent)
53190 001 LEC, 13:25-14:15 MTWTh, Vincent Hall 364, In Person; Meets With: 001 GRK 5004; Simone Oppen ; 4 cr.

3993 Directed Studies

(Student Option; Prereq: instr consent)
51953 001 IND, 00:00-00:00 , , In Person; Charles McNamara ; 1-4 cr.

3994 Directed Research

(A-F only; Prereq: Course is open to second semester juniors and seniors, major in CNRC, or ReIS Students enrolling in this directed research course will complete the University's common Directed Research contract with the faculty mentor/evaluator. The Faculty member will ensure academic standards are upheld, including: - the work proposed is at the appropriate level for the course, academic in nature, and the student will be involved intellectually in the project. - the project scope is reasonable for one semester and the number of credits specified (42 hours of work per credit) - the faculty mentor is qualified to serve in this role - assessment of student learning and grading criteria are clear and appropriate - the student will be working in a respectful, inclusive environment The contract will include the learning objectives for the course, the methods that will be employed, and how assessment will be conducted by the faculty mentor. The contract must be approved by the DUGS/academic approver of the major before the student can register.)
52208 001 IND, 00:00-00:00 , , In Person; Charles McNamara ; 1-4 cr.

5004 Intermediate Greek Poetry for Graduate Student Research

(Student Option; Prereq: dept consent)
53875 001 LEC, 13:25-14:15 MTWTh, Vincent Hall 364, In Person; Meets With: 001 GRK 3004; Simone Oppen ; 4 cr.

5100 Advanced Reading

(Student Option; 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.)
68218 001 LEC, 13:00-14:15 MW, Nicholson Hall 201, In Person; Nita Krevans ; 3 cr.

5993 Directed Studies

(Student Option; Prereq Grad student or instr consent.)
51954 001 IND, 00:00-00:00 , , In Person; Charles McNamara ; 1-4 cr.

5994 Directed Research

(Student Option; Prereq Grad student or instr consent.)
51956 001 IND, In Person; Charles McNamara ; 1-12 cr.

5996 Directed Instruction

(Student Option; Prereq Grad student or instr consent.)
51955 001 IND, In Person; Charles McNamara ; 1-12 cr.

Health Informatics (HINF)**5394 Directed Research**

(Student Option No Audit;)
49175 001 IND, In Person; Jessica Nielson ; 1-6 cr.

5430 Foundations of Health Informatics I

(Student Option; Prereq: Junior, senior, grad student, professional student, or instr consent)
49177 002 LEC, Completely Online; David Pieczkiewicz ; 3 cr.

5431 Foundations of Health Informatics II

(Student Option; Prereq: Junior, senior, grad student, professional student, or instr consent)
49132 002 LEC, 00:00-00:00 , ONLINE, Completely Online; Chih-Lin Chi ; 3 cr.

5440 Foundations of Translational Bioinformatics

(A-F or Audit; Prerequisites: MS, PhD, or MD/PhD student interested in translational bioinformatics)
49144 001 LEC, Completely Online; Steven Shen ; 3 cr.

5496 Internship in Health Informatics

(S-N or Audit; Prereq: HINF student or instr consent)
49119 001 FWK, Independent/Directed Study; David Pieczkiewicz ; 1-6 cr.
49188 002 FWK, In Person; Gyorgy Simon ; 1-6 cr.

5499 Capstone Project for the Masters of Health Informatics

(S-N only; Prereq: second semester MHI student or instr consent)
49126 001 FWK, 00:00-00:00 , , Independent/Directed Study; Terrence Adam ; 3 cr.

5502 Python Programming Essentials for the Health Sciences

(S-N or Audit; Prereq: Junior or senior or grad student or professional student or instr consent)
49134 001 LEC, 00:00-00:00 , ONLINE, Completely Online; David Pieczkiewicz ; 1 cr.

5520 Informatics Methods for Health Care Quality, Outcomes, and Patient Safety

(Student Option; Prereq: Junior or senior or grad student or professional student or instr consent)
49142 001 LEC, 14:00-14:50 MW, Twin Cities Remote, Completely Online; Terrence Adam ; 2 cr.
49194 002 LEC, Completely Online; Terrence Adam ; 2 cr.

5531 Health Data Analytics and Data Science

(A-F or Audit; Prereq: Junior or senior or professional student or grad student or instr consent)
49135 001 LEC, 15:35-16:25 MWF, Twin Cities Remote, Completely Online; David Pieczkiewicz ; 3 cr.
49139 002 LEC, 00:00-00:00 , ONLINE, Completely Online; David Pieczkiewicz ; 3 cr.

5650 Integrative Genomics and Computational Methods

(A-F or Audit;)
67254 001 LEC, 00:00-12:00 , ONLINE, Completely Online; Jinhua Wang ; 3 cr.

5660 Applied Causal Discovery

(Student Option;)
49186 001 LEC, 15:20-16:40 F, Twin Cities Remote, 16:50-17:40 W, Twin Cities Remote, Completely Online; Erich Kummerfeld ; 3 cr.

Health Services Management (HSM)**3040 Dying and Death in Contemporary Society: Implications for Intervention**

(Student Option; Prerequisite: sophomore)
63388 301 LEC, Completely Online; Ellen Koski ; 2 cr.

3051 Career and Internship Skills in Health Services Management

(A-F or Audit; Prerequisites: HSM major or premajor; WRIT 1301 or 1401 or equivalent; HSM 3521; HSM 4561.)
63359 301 LEC, Completely Online; Nickolas Nyhus, Elizabeth Hruska ; 2 cr.

3101 Applied Health Economics

(A-F only; Prerequisites: None, but successful completion of a course in introductory microeconomics is strongly recommended.)
63432 001 LEC, 16:30-19:15 T, Bruininks Hall 131B, In Person; Eric Christensen ; 3 cr.

3521 Health Care Delivery Systems

(A-F or Audit; Prereq: 30 cr)
63306 101 LEC, 18:00-20:45 T, Bruininks Hall 330, Partially Online; Frances Fernandez ; 3 cr.

4041 Leadership in Health Services Management

(A-F or Audit;)
63374 101 LEC, 12:20-15:05 Th, Amundson Hall 240, Partially Online; Yvonne Kinney, John Reynolds ; 3 cr.

4043 Project and Program Management in Health Services Management

(A-F or Audit; Prerequisites: None)
63360 101 LEC, 11:15-14:00 W, Twin Cities Remote, Completely Online; Scott Lee-Eichenwald, Cheri Jacoby ; 3 cr.

4065 Information Privacy and Security in Health Services Management

(A-F or Audit; TS)
63361 301 LEC, Completely Online; Scott Lee-Eichenwald ; 3 cr.

4193 Directed Study

(A-F or Audit; Prereq: admitted to HSM major, minor, or certificate; department consent.)
68710 401 IND, Independent/Directed Study; Frances Fernandez ; 1-4 cr.

4301 Health Care Quality & Patient Safety Management

(A-F or Audit;)
63329 101 LEC, 15:35-18:20 Th, Bruininks Hall 432, Partially Online; Jennifer Schoenecker ; 3 cr.

4521 Inclusion and Equity in Health Care Management

(A-F or Audit; Prerequisites: None)
63421 301 LEC, Completely Online; Frances Fernandez ; 3 cr.

4531 Human Resources in Health Care Settings

(A-F or Audit; Prereq: 45 cr)
63319 101 LEC, 18:35-21:20 Th, Bruininks Hall 330, Partially Online; Donald Moschkau ; 3 cr.

4541 Health Care Finance

(A-F or Audit; Prereq: Basic accounting knowledge, a course such as ACCT 2050, and knowledge of Microsoft Excel are strongly recommended. HSM pre-majors should wait for major status to take this course.)
63343 301 LEC, Completely Online; Daniel Trajano, Steven Chies ; 3 cr.

4561W Health Care Administration and Management

(A-F or Audit; WI)
63307 001 LEC, 18:00-20:45 W, Bruininks Hall 412, In Person; Bill Kenney ; 3 cr.

4572 Gerontology and Geriatrics for Health Services Executives

(A-F or Audit; Prerequisite: Students must have some basic knowledge of the long term care field. Those without it are encouraged to meet with the instructor prior to registering to explore learning strategies.)
63377 101 LEC, 13:25-16:10 W, Keller Hall 2-260, Partially Online; Kari Everson ; 3 cr.

4582 Practicum in Long Term Care

(A-F or Audit; Prereq: Most prelicensure courses completed--at a minimum, HSM 4583/6583-LTC Supports and Services; HSM 4585/6585 -LTC Organizational Management; HSM 4589/6589-LTC Human Resource Management; HSM 4593/6593-Gerontology for Health Care Managers.)
66234 401 FWK, Independent/Directed Study; Rajean Moore ; 1 cr.

4583 Long Term Care Supports and Services

(A-F or Audit; Prerequisites: Some basic knowledge of the long-term care field. Students without this knowledge are encouraged to meet with the instructor to explore preparation strategies.)
63344 301 LEC, Completely Online; Christina Cauble ; 2 cr.

4584 Long Term Care Health and Medical Needs

(A-F or Audit; Prerequisite: Basic knowledge of the long-term care field. Students who do not have this knowledge are encouraged to meet with the instructor to discuss strategies for obtaining it prior to registering for this course.)

63422 301 LEC, Completely Online; Kari Everson ; 1 cr.

4585 Long Term Care Organizational

Management

(A-F or Audit; Prereq: Basic knowledge of the long term care field. Students without this knowledge are encouraged to consult with the instructor prior to registering to explore preparatory strategies.)

63424 301 LEC, Completely Online; Roger White ; 1 cr.

4586 Management in Assisted Living and Senior Care Settings

(A-F or Audit; Prerequisites, the successful student must have some basic knowledge of aging services and/or the long term care field. Students who are unfamiliar with this field are encouraged to meet with the instructor prior to registering for this course.)

63426 301 LEC, Completely Online; Joshua Berg ; 3 cr.

4587 Long Term Care Regulatory

Management

(A-F or Audit; Prereq: Basic knowledge of the long term care field. Students without this knowledge are encouraged to meet with the instructor prior to registering to discuss options.)

63345 101 LEC, 08:30-16:30 Th, Twin Cities Remote, Completely Online; Kari Everson ; 1 cr.

4588 Long Term Care Quality Management and Performance Improvement

(A-F or Audit; Prerequisites: Basic knowledge of the long term care field. Students without this knowledge are encouraged to meet with the instructor prior to registering to discuss ways of acquiring it. Skill with Excel is strongly recommended.)

63408 301 LEC, Completely Online; Christina Cauble ; 2 cr.

4591 Health Care Law and Ethics

(A-F or Audit;)

63322 301 LEC, Completely Online; Lashonda Ouk, Maveryln Johnson ; 3 cr.

4592 Long Term Care Health Care Law

(A-F or Audit; Prerequisites: Knowledge of the long-term care field. Students who do not have this knowledge are encouraged to meet with the instructor prior to registering to discuss strategies for gaining this knowledge.)

63347 101 LEC, 08:30-16:30 W, Twin Cities Remote, Completely Online; Kari Everson ; 1 cr.

4593 Gerontology for Health Care

Managers

(A-F or Audit; Prerequisites: Knowledge of the long-term care field. Students without this knowledge are encouraged to meet with the instructor prior to registering to discuss strategies for acquiring it.)

63346 301 LEC, Completely Online; Christina Cauble ; 1 cr.

4596 Health Services Management

Internship

(A-F only; Prereq: HSM major; dept. consent. Permission to enroll will be granted only upon completion of HSM 3051, 3521, 4531, 4541, 4561W, & 4591. Highly recommended: HSM 4043 & 4301 (and HINF 5430 for HSM technology internships.)

63323 401 FWK, Independent/Directed Study; Steve Comingdeer ; 1 cr.

4861 Leadership and Business Planning in Health Care: Capstone

(A-F only; Prereq: HSM 3521, 4531, 4541, 4561, 4591. HSM major. Final year status required.)

63325 101 LEC, 13:25-16:10 M, Rapson Hall 56, Partially Online; Geoffrey Kaufmann, Daniel McGinty ; 3 cr.

Hebrew (HEBR)

1002 Beginning Hebrew II

(Student Option; Prereq: Grade of at least [C- or S] in [1001 or 4001] or instr consent)

52209 001 LEC, 11:15-12:05 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 HEBR 4002; Renana Schneller ; 5 cr.

3012 Intermediate Hebrew II

(Student Option; Prereq: Grade of at least [C- or S] in 3011 or instr consent)

52211 001 LEC, 10:10-11:00 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 HEBR 4012; Renana Schneller ; 5 cr.

3951W Major Project

(Student Option; Prereq: [Hebr major, three 3xxx Hebrew courses], instr consent, dept consentWI)

52212 001 IND, In Person; 4 cr.

3980 Directed Instruction

(Student Option; Prereq college consent.)

51957 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

3993 Directed Studies

(Student Option; Prereq: instr consent)

52706 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

4002 Beginning Hebrew II for Graduate

Student Research

(Student Option; Prereq: Grade of at least [C- or S] in [1001 or 4001] or instr consent)

52509 001 LEC, 11:15-12:05 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 HEBR 1002; Renana Schneller ; 5 cr.

4012 Intermediate Hebrew II for Graduate

Student Research

(Student Option;)

54054 001 LEC, 10:10-11:00 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 HEBR 3012; Renana Schneller ; 5 cr.

5515 Advanced Hebrew II -

Multiculturalism in Modern Israel: How Communities, Ideologies, and Identities

(Student Option;)

66315 001 LEC, 14:30-15:45 MW, Twin Cities Remote, Completely Online; Meets With: 001 CNRC 3515001 JWST 3515; Renana Schneller ; 3 cr.

5992 Directed Readings

(Student Option; Prereq instr consent, dept consent, college consent.)

53260 001 IND, 00:00-00:00 , , In Person; Renana Schneller ; 1-4 cr.

Hindi (HNDI)

1012 Beginning Hindi II

(Student Option No Audit;)

54317 001 LEC, 11:15-12:05 MTWThF, Peik Hall 165, In Person; Meets With: 001 HNDI 4002; Meraj Ahmed ; 5 cr.

3022 Intermediate Hindi II

(Student Option No Audit;)

54318 001 LEC, 10:10-11:00 MTWThF, Peik Hall 165, In Person; Meets With: 001 HNDI 4004; Meraj Ahmed ; 5 cr.

3032 Advanced Hindi II

(Student Option No Audit; Prereq: HNDI 3031 or instr consent)

55391 001 LEC, 14:30-16:25 MW, Peik Hall 165, In Person; Meets With: 001 HNDI 4006; Meraj Ahmed ; 4 cr.

4002 Beginning Hindi II for Graduate

Student Research

(Student Option No Audit;)

54319 001 LEC, 11:15-12:05 MTWThF, Peik Hall 165, In Person; Meets With: 001 HNDI 1012; Meraj Ahmed ; 5 cr.

4004 Intermediate Hindi II for Graduate

Student Research

(Student Option No Audit;)

54320 001 LEC, 10:10-11:00 MTWThF, Peik Hall 165, In Person; Meets With: 001 HNDI 3022; Meraj Ahmed ; 5 cr.

4006 Advanced Hindi II for Graduate

Research

(Student Option No Audit; Prereq: 4005 or instr consent)

55392 001 LEC, 14:30-16:25 MW, Peik Hall 165, In Person; Meets With: 001 HNDI 3032; Meraj Ahmed ; 4 cr.

History (HIST)

1012W The Age of Global Contact

(Student Option; Prereq: Fr or soph or non-hist majorGP,WI,HIS)

55442 002 DIS, 11:15-12:05 F, Blegen Hall 205, In Person; 4 cr.

55514 001 LEC, 09:45-11:00 TTh, Blegen Hall 5, In Person; Christopher Islett ; 4 cr.

55515 003 DIS, 11:15-12:05 F, Hubert H. Humphrey School 30, In Person; 4 cr.

67937 006 DIS, 11:15-12:05 F, Blegen Hall 110, In Person; 4 cr.

67938 007 DIS, 10:10-11:00 F, Blegen Hall 330, In Person; 4 cr.

1082 Jesus in History, Art & Culture

(Student Option; HIS)

54378 001 LEC, In Person; Meets With: 001 HIST 3092; 3 cr.

54720 003 DIS, In Person; 3 cr.

1302W Global America: U.S. History Since 1865

(Student Option; Prereq: Fr or soph or non-hist majorDSJ,WI,HIS)

52535 001 LEC, 09:45-11:00 MW, Anderson Hall 210, In Person; William Jones ; 4 cr.

52536 002 DIS, 11:15-12:05 F, Hubert H. Humphrey School 20, In Person; 4 cr.

52538 004 DIS, 12:20-13:10 F, Blegen Hall 105, In Person; 4 cr.

67939 006 DIS, 11:15-12:05 F, Blegen Hall 215, In Person; 4 cr.

67940 007 DIS, 12:20-13:10 F, Blegen Hall 215, In Person; 4 cr.

1307 Authority and Rebellion: American History to 1865

(Student Option; HIS)

67964 001 LEC, 16:00-17:15 TTh, Twin Cities Remote, Completely Online; 3 cr.

1362 Global History of World War II

(Student Option; HIS)

54016 001 LEC, 13:25-14:15 MW, Anderson Hall 270, In Person; Meets With: 001 HIST 3362; Hiromi Mizuno, Daniel Schroeter ; 3 cr.

54197 002 DIS, 13:25-14:15 F, Blegen Hall 105, In Person; 3 cr.

54327 003 DIS, 12:20-13:10 F, Blegen Hall 260, In Person; 3 cr.

1364 Introduction to Global Environmental History

(Student Option; ENV,HIS)

54421 001 LEC, 13:00-14:15 TTh, West Bank Skyway 20, In Person; Zoan Pehlivan ; 3 cr.

1811 The Sixties: History & Memory

(Student Option; DSJ,HIS)

66413 001 LEC, 14:30-15:45 MW, Blegen Hall 240, In Person; Joshua Althoff ; 3 cr.

3000 New Topics in History

(Student Option;)

67769 001 LEC, 13:15-15:45 Th, Blegen Hall 220, In Person; Meets With: 001 HIST 5520; Ann Waltner ; 3 cr.

3023 Hands-On History: Methods Seminar

(A-F only;)

67771 001 DIS, 11:15-12:30 MW, Hubert H. Humphrey School 184, In Person; Yalile Surile ; 3 cr.

67772 002 DIS, 11:15-12:30 TTh, Hubert H. Humphrey School 35, In Person; Tracey Deutsch ; 3 cr.

3051 Ancient Civilization: Near East and Egypt

(Student Option; HIS)

66416 001 DIS, 08:15-09:30 TTh, Blegen Hall 230, In Person; Christopher Saladin ; 3-4 cr.

3053 Ancient Civilization: Rome

(Student Option; HIS)

66417 001 LEC, 09:05-09:55 MWF, Blegen Hall 120, In Person; Andrew Gallia ; 3 cr.

3067W Archaeology of Prehistoric Europe

(Student Option; HIS,WI)

55555 001 LEC, 09:45-11:00 TTh, Anderson Hall 230, In Person; Meets With: 001 ANTH 3027W001 ANTH 5027W; Peter Wells ; 3 cr.

3082W World Christianity, 1300-1800 Reformers, Radicals and Revolutionaries

(Student Option; Prerequisite, examines developments in the history of Christianity from the beginning of the fourteenth century to the end of the eighteenth. We will start our investigation by considering the Latin church with its headquarters in Rome at the height of its power and influence. We will then trace its development through the crises of the fourteenth century and its subsequent transformation during the Reformation and the Confessional era. We will close by considering new challenges facing the church in an age of Enlightenment and Revolution. Though our geographic center of gravity will be in Europe, we will follow the expansion of Christianity into the Asian, African and American worlds and how developments here changed the nature of the church back in Europe. We will study religion as a phenomenon that affects human activity in a broad spectrum of area and activities. Though we will investigate formal matters of belief, significant attention will be given to Christianity as a lived experience, how faith affected the everyday life of men and women in the premodern world.HIS,WI)

66418 001 LEC, 09:45-10:35 MW, Blegen Hall 425, In Person; Meets With: 001 RELS 3545W001 HIST 5900; Howard Louthan ; 3 cr.

3092 Jesus in History, Art & Culture

(Student Option; HIS)
54193 002 DIS, In Person; 3 cr.

3101 Introduction to Medieval History

(Student Option; GP,HIS)
54688 001 LEC, 11:15-12:30 MW, Anderson Hall 370, In Person; Meets With: 001 MEST 3001; Michael Lower ; 3 cr.

3152 British History From the Seventeenth Century

(Student Option; GP,HIS)
55446 001 DIS, 16:00-17:15 TTh, Blegen Hall 125, In Person; Kara Barker ; 3 cr.

3265 20th-Century Russia: The Collapse of Imperial Russia, the Revolutions, and the Soviet Regime

(Student Option;)
53646 001 LEC, 10:10-11:00 MWF, Blegen Hall 120, In Person; Meets With: 001 HIST 5265; Theofanis Stavrou ; 3 cr.

3362 Global History of World War II

(Student Option; HIS)
54379 001 LEC, 13:25-14:15 MW, Anderson Hall 270, In Person; Meets With: 001 HIST 1362; Hiromi Mizuno, Daniel Schroeter ; 3 cr.
54380 002 DIS, 11:15-12:05 F, Blegen Hall 145, In Person; 3 cr.
54381 003 DIS, 12:20-13:10 F, Blegen Hall 115, In Person; 3 cr.

3402W Modern Latin America 1825 to Present

(Student Option; GP,WI,HIS)
53757 001 LEC, 10:10-12:05 MW, Blegen Hall 230, In Person; Meets With: 001 LAS 3402W; Patrick McNamara ; 4 cr.

3415 Migrations in Modern Global History

(Student Option; GP,HIS)
68214 001 LEC, 11:15-12:30 TTh, Blegen Hall 230, In Person; Andre Kobayashi Deckrow ; 3 cr.

3416 Imperialism and its Critics: Ethical Issues, Literary Representations

(A-F only; CIV,LITR)
67941 001 LEC, 09:45-11:00 MW, Blegen Hall 220, In Person; Michael Brooks ; 3 cr.

3432 Modern Africa in a Changing World

(Student Option; GP,HIS)
66421 001 DIS, 16:00-17:15 MW, Blegen Hall 125, In Person; Meets With: 001 AFRO 3432; Nicholas Nyachega ; 3-4 cr.

3446 Chicana and Chicano History II: WWII, El Movimiento, and the New Millennium

(Student Option; DSJ,HIS)
68278 001 LEC, 11:15-12:30 TTh, Appleby Hall 103, In Person; Meets With: 001 CHIC 3446; Jimmy Patino ; 3 cr.

3476 War and Peace in Japan Through Popular Culture

(A-F or Audit;)
66423 001 LEC, 10:10-13:40 F, Hanson Hall 1-105, In Person; Hiromi Mizuno ; 4 cr.

3478 Tigers and Dragons: The Rise of the East Asian Economies, 1930-Present

(Student Option;)
66424 001 LEC, 18:20-20:50 T, Blegen Hall 125, In Person; Christopher Issett ; 3 cr.

3494W Christ in Islamic Thought

(Student Option; Prereq: NoneWI)
68118 001 LEC, 15:30-18:00 T, In Person; Meets With: 001 RELS 3718W; Nabil Matar ; 3 cr.

3502W Ancient Israel: From Conquest to Exile

(Student Option; WI)
68787 001 LEC, 11:15-12:30 TTh, Nicholson Hall 125, In Person; Meets With: 001 CNRC 3502W001 JWST 3502W001 CNRC 5502W001 RELS 3502W; Bernard Levinson ; 3 cr.

3508W Modern Turkey: From Empire to Republic

(Student Option; WI)
67806 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 30, In Person; Zozan Pehlivan ; 3 cr.

3547 The Ottoman Empire

(Student Option; GP,HIS)
55450 001 LEC, 14:30-15:45 MW, Blegen Hall 145, In Person; Meets With: 001 RELS 3722; Fikri Cicek ; 3 cr.

3609 Military History of Premodern Europe

(Student Option;)
67815 001 LEC, 18:20-20:50 W, Blegen Hall 240, In Person; Elijah Wallace ; 3 cr.

3611 Medieval Cities of Europe: 500-1500

(Student Option No Audit; GP,HIS)
54689 001 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Meets With: 001 MEST 3611; Kathryn Reyerson ; 3 cr.

3615W Women in European History: 1500 to the Present

(Student Option; GP,WI,HIS)
67776 001 LEC, 14:30-17:00 W, Blegen Hall 425, In Person; Mary Jo Maynes ; 3 cr.

3616 The Hundred Years War: France and England in the Middle Ages

(Student Option No Audit; HIS)
55451 001 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Meets With: 001 MEST 3616; Kathryn Reyerson ; 3 cr.

3617 Pagans, Christians, Barbarians: The World of Late Antiquity

(A-F or Audit; GP,HIS)
55453 001 LEC, 11:15-12:30 MW, Nicholson Hall 115, In Person; Meets With: 001 RELS 3543001 MEST 3617001 CNRC 3617; Andrea Sterk ; 3 cr.

3681 Irish History

(Student Option;)
66425 001 LEC, 16:00-17:15 MW, Blegen Hall 240, In Person; Cihan Demir ; 3 cr.

3722 Studies in 20th-Century Europe From the End of World War II to the End of the Cold War: 1945-91

(Student Option; GP,HIS)
66426 001 LEC, 14:30-15:45 TTh, Blegen Hall 145, In Person; Thomas Wolfe ; 3 cr.

3767 Eastern Orthodoxy: History and Culture

(Student Option;)
53192 090 LEC, 18:20-20:50 M, Blegen Hall 145, In Person; Meets With: 001 RELS 3611; Theofanis Stavrou ; 3 cr.

3797 History of Population

(Student Option; GP,SOCS)
55532 001 LEC, 13:00-14:15 TTh, Blegen Hall 140, In Person; Steven Ruggles ; 3 cr.

3858 The History of Policing & Surveillance in 20th Century United States

(Student Option; DSJ,HIS)
67808 001 LEC, 13:00-14:15 MW, Blegen Hall 130, In Person; Yalilie Surriel ; 3 cr.

3886 The Age of Atlantic Revolutions, 1765-1830

(Student Option;)
68162 301 LEC, Completely Online; Heather Sommer Collins ; 3 cr.

3891 American Military History

(Student Option;)
67807 001 LEC, 08:15-09:30 MW, Blegen Hall 230, In Person; J. David Hacker ; 3 cr.

3993 Directed Study

(A-F or Audit; Prereq instr consent, dept consent, college consent.)
52267 001 IND, 00:00-00:00 , , In Person; 1-16 cr.

4011V Honors: Capstone Research

(A-F only; Prereq: Jr or sr history major, honors, or instr consentWI)
67561 001 LEC, 13:00-14:40 TTh, Hubert H. Humphrey School 20, In Person; Meets With: 001 HIST 4011W; Anna Clark ; 4 cr.
67562 002 LEC, 13:45-15:25 MW, Hubert H. Humphrey School 20, In Person; Meets With: 002 HIST 4011W; Patrick McNamara ; 4 cr.

4011W Capstone Research

(A-F only; Prereq: Jr or Sr history major or instr consentWI)
67559 001 LEC, 13:00-14:40 TTh, Hubert H. Humphrey School 20, In Person; Meets With: 001 HIST 4011V; Anna Clark ; 4 cr.
67560 002 LEC, 13:45-15:25 MW, Hubert H. Humphrey School 20, In Person; Meets With: 002 HIST 4011V; Patrick McNamara ; 4 cr.

4961V Honors: Major Paper

(A-F only; Prereq: dept consent, instr consent; sign up in Undergraduate Studies Office two sem in advanceWI)
53005 001 LEC, 14:15-15:55 MW, Twin Cities Remote, Completely Online; Meets With: 001 HIST 4961W; Carol Hakim ; 4 cr.

4961W Major Paper

(A-F or Audit; Prereq: dept consent, instr consent; sign up in Undergraduate Studies Office two sem in advanceWI)
51750 001 LEC, 14:15-15:55 MW, Twin Cities Remote, Completely Online; Meets With: 001 HIST 4961V; Carol Hakim ; 4 cr.

4970 History Day Mentorship

(Student Option;)
53312 001 FWK, 15:35-17:30 W, Blegen Hall 150, Independent/Directed Study; Andre Kobayashi Deckrow ; 1 cr.

5265 20th-Century Russia: The Collapse of Imperial Russia, the Revolutions, and the Soviet Regime

(Student Option;)
52697 001 LEC, 10:10-11:00 MWF, Blegen Hall 120, In Person; Meets With: 001 HIST 3265; Theofanis Stavrou ; 3 cr.

5520 Topics in Chinese History

(Student Option;)
68706 001 LEC, 13:15-15:45 Th, Blegen Hall 220, In Person; Meets With: 001 HIST 3000; Ann Waltner ; 3 cr.

5862 History of American Immigration

(A-F or Audit;)
68020 001 DIS, 15:35-17:30 T, Hubert H. Humphrey School 50A, In Person; Erika Lee ; 3 cr.

5890 Readings in American Indian and Indigenous History

(A-F or Audit; Prereq: Advanced undergrad with instr consent or grad student)
67921 001 LEC, 13:25-15:20 W, Walter W Heller Hall 1229, In Person; Meets With: 001 AMIN 5890; Jean O'Brien ; 3 cr.

5891 American Indian and Indigenous Studies Workshop

(S-N or Audit;)
67813 001 DIS, 15:30-17:30 F, Walter W Heller Hall 1210, In Person; Jean O'Brien ; 1.5 cr.

**5900 Topics in European/Medieval History
(A-F only; Prereq: Grad or [advanced undergrad with instr consent])**

68819 001 LEC, 09:45-10:35 MW, Blegen Hall 425, In Person; Meets With: 001 HIST 3082W001 RELS 3545W; Howard Louthan ; 1-4 cr.

5993 Directed Study

(Student Option; Prereq [Grad student or sr], instr consent, dept consent, college consent.)
52274 001 IND, 00:00-00:00 , , In Person; 1-16 cr.
55006 002 IND, In Person; 1-16 cr.

History of Medicine (HMED)**3002W Health Care in History II**

(Student Option; HIS,WI)
60919 001 LEC, 10:10-11:00 MWF, Mayo Bldg & Additions C231, In Person; Wayne Soon ; 4 cr.
60920 002 DIS, 11:15-12:05 W, Amundson Hall 156, In Person; Wayne Soon ; 4 cr.
60921 003 DIS, 13:25-14:15 W, Ford Hall 170, In Person; Wayne Soon ; 4 cr.
62007 004 DIS, 10:10-11:00 Th, Ford Hall 170, In Person; Wayne Soon ; 4 cr.

3040 Human Health, Disease, and the Environment in History

(Student Option; HIS)
61312 001 LEC, 11:15-12:30 TTh, Mayo Bldg & Additions A110, In Person; Jole Shackelford ; 3 cr.

**3055 Women, Health, and History
(A-F only; DSJ,HIS)**

61525 001 LEC, 09:45-11:00 TTh, Bruininks Hall 530B, In Person; Macey Flood ; 3 cr.

3325 Data, Death and Doctors: Hands-on Historical Health Research

(Student Option No Audit; SOCS)
68801 001 LEC, 14:30-15:45 TTh, Mayo Bldg & Additions A110, In Person; Evan Roberts ; 3 cr.

3993 Directed Study

(Student Option;)
61852 001 IND, In Person; Jennifer Gunn, Jole Shackelford, Evan Roberts ; 1-4 cr.

**History of Science and Tech
(HSCI)****1011 Digital World**

(Student Option; HIS,TS)
59633 001 LEC, 12:20-13:10 MW, Willey Hall 125, In Person; Honghong Tinn ; 3 cr.
59683 002 DIS, 15:35-16:25 W, Bruininks Hall 119, In Person; Honghong Tinn ; 3 cr.
59684 003 DIS, 14:30-15:20 W, Bruininks Hall 119, In Person; Honghong Tinn ; 3 cr.
59685 004 DIS, 10:10-11:00 Th, Bruininks Hall 123, In Person; Honghong Tinn ; 3 cr.
59686 005 DIS, 12:20-13:10 Th, Bruininks Hall 123, In Person; Honghong Tinn ; 3 cr.
59687 006 DIS, 09:05-09:55 F, Bruininks Hall 119, In Person; Honghong Tinn ; 3 cr.
59688 007 DIS, 11:15-12:05 F, Bruininks Hall 119, In Person; Honghong Tinn ; 3 cr.
59860 008 DIS, 11:15-12:05 Th, Bruininks Hall 123, In Person; Honghong Tinn ; 3 cr.
60168 009 DIS, 10:10-11:00 F, Bruininks Hall 119, In Person; Honghong Tinn ; 3 cr.
60236 010 DIS, 13:25-14:15 W, Bruininks Hall 119, In Person; Honghong Tinn ; 3 cr.

1212 Life on Earth: Origins, Evolution & Ecology

(Student Option; ENV,HIS)
59172 001 LEC, 09:45-11:00 TTh, Mayo Bldg & Additions C231, In Person; Susan Jones ; 4 cr.
59173 002 DIS, 13:25-14:15 T, Bruininks Hall 123, In Person; Susan Jones ; 4 cr.
59174 003 DIS, 10:10-11:00 W, Bruininks Hall 117, In Person; Susan Jones ; 4 cr.
59207 004 DIS, 12:20-13:10 W, Bruininks Hal 121, In Person; Susan Jones ; 4 cr.

**1714 Stone Tools to Steam Engines:
Technology and History to 1750****(Student Option; HIS,TS)**

65889 001 LEC, 18:00-20:45 M, Bruininks Hall 530A, In Person; Meets With: 001 HSCI 3714; Mary Thomas ; 3-4 cr.
65890 002 LEC, 18:00-20:45 W, Bruininks Hall 312, In Person; Meets With: 002 HSCI 3714; Mary Thomas ; 3-4 cr.

1815 Making Modern Science: Atoms, Genes and Quanta

(Student Option; GP,HIS)
59399 001 LEC, 10:10-11:00 MWF, Armory Building 116, In Person; Meets With: 001 HSCI 3815; William Vogel ; 3-4 cr.
59400 002 DIS, 11:15-12:05 M, Bruininks Hal 121, In Person; Meets With: 002 HSCI 3815; William Vogel ; 3-4 cr.
59401 003 DIS, 10:10-11:00 T, Folwell Hall 107, In Person; Meets With: 003 HSCI 3815; William Vogel ; 3-4 cr.
59402 004 DIS, 11:15-12:05 W, Bruininks Hal 121, In Person; Meets With: 004 HSCI 3815; William Vogel ; 3-4 cr.

**3242 Navigating a Darwinian World
(Student Option; HIS)**

59323 001 LEC, 11:15-12:30 TTh, Bruininks Hall 131A, In Person; Meets With: 001 HSCI 5242; Mark Borrello ; 3 cr.

3611 Enlightenment, Revolution, and the Rise of Modern Science

(Student Option; GP,HIS)
59481 001 LEC, 11:15-12:30 MW, Mechanical Engineering 321, In Person; Meets With: 001 EMS 5500001 HSCI 5611; Victor Boantzka ; 3 cr.

**3714 Stone Tools to Steam Engines:
Technology and History to 1750**

(Student Option; HIS,TS)
65891 001 LEC, 18:00-20:45 M, Bruininks Hall 530A, In Person; Meets With: 001 HSCI 1714; Mary Thomas ; 3-4 cr.
65892 002 LEC, 18:00-20:45 W, Bruininks Hall 312, In Person; Meets With: 002 HSCI 1714; Mary Thomas ; 3-4 cr.

3815 Making Modern Science: Atoms, Genes and Quanta

(Student Option; GP,HIS)
59403 001 LEC, 10:10-11:00 MWF, Armory Building 116, In Person; Meets With: 001 HSCI 1815; William Vogel ; 3-4 cr.
59404 002 DIS, 11:15-12:05 M, Bruininks Hal 121, In Person; Meets With: 002 HSCI 1815; William Vogel ; 3-4 cr.
59405 003 DIS, 10:10-11:00 T, Folwell Hall 107, In Person; Meets With: 003 HSCI 1815; William Vogel ; 3-4 cr.
59406 004 DIS, 11:15-12:05 W, Bruininks Hal 121, In Person; Meets With: 004 HSCI 1815; William Vogel ; 3-4 cr.

4121W History of 20th-Century Physics

(Student Option No Audit; Prereq: calculus or permission from the instructor.WI)
59668 001 LEC, 16:40-19:20 Th, Tate Hall 110, In Person; Meets With: 001 PHYS 4121W; Michel Janssen ; 3 cr.

4455 Women, Gender, and Science

(Student Option; DSJ,HIS)
59917 001 LEC, 14:30-15:45 MW, Bruininks Hal 121, In Person; Anna Graber ; 3 cr.

5242 Navigating a Darwinian World

(Student Option;)
59324 001 LEC, 11:15-12:30 TTh, Bruininks Hall 131A, In Person; Meets With: 001 HSCI 3242; Mark Borrello ; 3 cr.

5611 Enlightenment, Revolution, and the Rise of Modern Science

(Student Option;)
59482 001 LEC, 11:15-12:30 MW, Mechanical Engineering 321, In Person; Meets With: 001 HSCI 3611001 EMS 5500; Victor Boantzka ; 3 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent)
58099 001 IND, 00:00-00:00 , , In Person; 1-15 cr.

5994 Directed Research

(Student Option; Prereq: instr consent)
58098 001 IND, 00:00-00:00 , , In Person; 1-15 cr.

Hmong (HMNG)**1012 Beginning Hmong II**

(Student Option No Audit; Prereq: HMNG 1001 or 1011)
53391 001 LEC, 13:25-14:15 MTWThF, Folwell Hall 108, In Person; Meets With: 001 HMNG 4002; Kia Yang ; 5 cr.
54388 002 LEC, 15:35-17:55 MW, Burton Hall 123, In Person; Meets With: 002 HMNG 4002; Kia Yang ; 5 cr.

1013 Medical Hmong

(Student Option No Audit; Prerequisites. While effective communication is essential in all fields of work, it is especially vital in the medical field. This online medical Hmong language course provides opportunities for students to learn and understand Hmong. Emphasis will be on key phrases, vocabulary, and cultural nuances related to the medical field. The course will provide a foundation for speaking, reading, writing, and listening comprehension for individuals interested in working with Hmong-speaking patients, clients, and others in the medical field. Students will have opportunities to learn and apply materials to real-world case scenarios and situations in the medical field.)

55506 001 LEC, 18:00-19:15 MW, Twin Cities Remote, Completely Online; Bee Vang ; 3 cr.

**3016 Accelerated Intermediate Hmong
(Student Option No Audit; Prereq: [1011 and 1012] or 1015 or instr consent)**

53755 001 LEC, 14:30-15:20 MTWTh, Folwell Hall 122, In Person; Meets With: 001 HMNG 4006; Bee Vang ; 5 cr.

3022 Intermediate Hmong II

(Student Option No Audit; Prereq: Hmong 3021)
53176 001 LEC, 15:35-17:55 TTh, Folwell Hall 123, In Person; Meets With: 001 HMNG 4004; Kia Yang ; 5 cr.

3290 Hmong Language Teaching Tutorial

(S-N only; Prereq: Grade of A in 3022)
53339 001 FWK, In Person; Bee Vang ; 1 cr.

4002 Beginning Hmong II for Graduate Student Research

(Student Option No Audit; Prereq: 4001)
53392 001 LEC, 13:25-14:15 MTWThF, Folwell Hall 108, In Person; Meets With: 001 HMNG 1012; Kia Yang ; 5 cr.
54389 002 LEC, 15:35-17:55 MW, Burton Hall 123, In Person; Meets With: 002 HMNG 1012; Kia Yang ; 5 cr.

4004 Intermediate Hmong II for Graduate Student Research

(Student Option No Audit; Prereq: 4003)
53177 001 LEC, 15:35-17:55 TTh, Folwell Hall 123, In Person; Meets With: 001 HMNG 3022; Kia Yang ; 5 cr.

4006 Accelerated Intermediate Hmong for Graduate Student Research

(Student Option No Audit; Prereq: [4001 and 4002] or 4005)
53580 001 LEC, 14:30-15:20 MTWTh, Folwell Hall 122, In Person; Meets With: 001 HMNG 3016; Bee Vang ; 5 cr.

Honors Colloquia (HCOL)**3101H The Honors Thesis - Development**

(A-F only;)
63453 001 DIS, 13:25-15:20 T, Blegen Hall 220, 13:25-15:20 T, Blegen Hall 220, 13:25-15:20 T, Blegen Hall 220, 13:25-15:20 T, Blegen Hall 220, 13:25-15:20 T, Blegen Hall 220, 13:25-15:20 T, Blegen Hall 220, 13:25-15:20 T, Blegen Hall 220, In Person; Marek Oziewicz, Nick Kleese ; 1 cr.
63459 002 DIS, 13:25-15:20 Th, Hubert H. Humphrey School 60, 13:25-15:20 Th, Hubert H. Humphrey School 60, 13:25-15:20 Th, Hubert H. Humphrey School 60, 13:25-15:20 Th, Hubert H. Humphrey School 60, 13:25-15:20 Th, Hubert H. Humphrey School 60, 13:25-15:20 Th, Hubert H. Humphrey School 60, 13:25-15:20 Th, Hubert H. Humphrey School 60, 13:25-15:20 Th, Hubert H. Humphrey School 60, In Person; Marek Oziewicz, Lizbeth Finestack ; 1 cr.
63591 003 DIS, 16:00-17:55 Th, Bruininks Hall 117, 16:00-17:55 Th, Bruininks Hall 117, 16:00-17:55 Th, Bruininks Hall 117, 16:00-17:55 Th, Bruininks Hall 117, 16:00-17:55 Th, Bruininks Hall 117, 16:00-17:55 Th, Bruininks Hall 117, In Person; Ashok Singh, Kevin Schwandt ; 1 cr.
63592 004 DIS, 11:15-13:10 F, Folwell Hall 123, 11:15-13:10 F, Folwell Hall 123, 11:15-13:10 F, Folwell Hall 123, 11:15-13:10 F, Folwell Hall 123, 11:15-13:10 F, Folwell Hall 123, 11:15-13:10 F, Folwell Hall 123, In Person; Michael Coughlin, Brian Sostek ; 1 cr.

3103V The Honors Thesis?Writing and Revision

(A-F only; WI)
63590 001 DIS, 13:25-15:20 F, Folwell Hall 123, 13:25-15:20 F, Folwell Hall 123, 13:25-15:20 F, Folwell Hall 123, 13:25-15:20 F, Folwell Hall 123, 13:25-15:20 F, Folwell Hall 123, In Person; Michael Coughlin, Brian Sostek ; 1 cr.

Hall 123, 13:25-15:20 F, Folwell Hall 123, 13:25-15:20 F, Folwell Hall 123, In Person; Brian Sostek ; 1 cr.

Honors Seminar (HSEM)

2065H Making Museums

(A-F only;)
67323 001 DIS, 09:45-11:00 WF, Blegen Hall 140, In Person; Margaret Werry ; 3 cr.

2069H Film as Art: Global Practices

(A-F only;)
63452 001 DIS, 16:00-17:15 MW, Folwell Hall 31, In Person; Meng Tang ; 3 cr.

2074H Tabletop Philosophy

(A-F only;)
67402 001 DIS, 16:00-17:15 MW, Blegen Hall 225, In Person; Catharine Saint-Croix ; 3 cr.

2318H Lies, Deception, and Persuasion in the Modern World

(A-F only; CIV,SOCS)
67528 001 DIS, 14:30-15:45 TTh, Ford Hall B29, In Person; Marti DeLiema ; 3 cr.

2325H Fantasy: A Ghastly, Wicked Introduction

(A-F only; GP)
63576 001 DIS, 09:45-11:00 TTh, Peik Hall 25, In Person; Marek Oziewicz ; 3 cr.

2540H Understanding the Russian Land

(A-F only; ENV,HIS)
63574 001 DIS, 11:15-12:30 MW, Nicholson Hall 345, In Person; Anna Graber ; 3 cr.

2606H Microbiomes and Society

(A-F only; GP)
68372 001 DIS, 09:45-11:00 Th, Kolthoff Hall 138, In Person; Andres M Gomez Zapata ; 3 cr.

2718H The Diabetes Experience

(A-F only;)
68246 001 DIS, 14:30-16:00 F, Twin Cities Remote, 14:30-16:00 F, Twin Cities Remote, 14:30-16:00 F, Twin Cities Remote, Completely Online; Kylee Funk ; 3 cr.

2801H Think Like a Lawyer: The Art and Adventure of Torts

(A-F only; CIV)
65762 001 DIS, 15:35-18:15 T, Northrop Memorial Aud 240, In Person; Bobak Ha'Eri ; 3 cr.

2802H Cinematic Representations of American Law

(A-F only; DSJ)
63454 001 DIS, 16:00-18:30 Th, Blegen Hall 115, In Person; Chang Wang ; 3 cr.

3072H Leonardo da Vinci: Between Art and Science, History and Myth

(A-F only; AH)
67324 001 DIS, 09:45-11:00 TTh, Blegen Hall 145, In Person; JB Shank ; 3 cr.

3078H The Search: Life, Death, and Meaning

(A-F only;)
67631 001 DIS, 11:15-12:30 TTh, Blegen Hall 115, In Person; Carl Elliott ; 3 cr.

3084H Analysis of the Intersection of Communication and Sport

(A-F only;)
67454 001 DIS, 09:45-11:00 MW, Nicholson Hall 145, In Person; Jeffrey VanCleave ; 3 cr.

Horticultural Science (HORT)

1001 Plant Propagation

(Student Option; BIOL)
55953 001 LEC, 11:45-13:00 TTh, Borlaug Hall 335, In Person; Matthew Clark ; 4 cr.
56609 002 LAB, 09:35-11:30 T, Plant Growth Facility 140A, In Person; Laura Irish ; 4 cr.

56610 003 LAB, 13:15-15:10 T, Plant Growth Facility 140A, In Person; Laura Irish ; 4 cr.
56611 004 LAB, 09:35-11:30 Th, Plant Growth Facility 140A, In Person; Laura Irish ; 4 cr.
56612 005 LAB, 13:15-15:10 Th, Plant Growth Facility 140A, In Person; Laura Irish ; 4 cr.

1003 Organic Gardening: From Balconies to Backyards

(Student Option;)
56634 001 LEC, Completely Online; Emily Tepe ; 3 cr.

1031 Vines and Wines: Introduction to Viticulture and Enology

(Student Option No Audit; Prerequisite: Enrollees must be 21 yrs of age by date of 1st class meeting Enrollment Restrictions: Open enrollment to undergraduate students ONLY; graduate students, masters students, and others will need instructor permission.)
56587 001 DIS, 15:10-18:00 M, Alderman Hall 405, In Person; Drew Horton ; 3 cr.

1113 Floral Design

(Student Option;)
65931 001 LEC, Completely Online; Neil Anderson ; 3 cr.

3093 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)
56553 003 IND, In Person; 1-4 cr.

3094 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)
56548 001 IND, In Person; 1-4 cr.

4071W Applications of Biotechnology to Plant Improvement

(A-F or Audit; Prereq: [Biol 1009 or equiv or grad student], instr consentWI)
67342 001 LEC, 11:45-13:00 MW, Alderman Hall 310, In Person; Alan Smith ; 3 cr.

4110 Spring Flowering Bulbs

(A-F only;)
68709 002 LAB, 09:35-13:40 F, Plant Growth Facility 132, In Person; Kate Fessler ; 1 cr.

4112 Flowering Trees and Shrubs

(A-F only;)
68708 002 LEC, 13:30-15:00 MW, Alderman Hall 310, In Person; Stan Hokanson ; 1 cr.

4141W Scheduling Crops for Protected Environments

(A-F only; Prerequisites: HORT 1001/6011 Additional Preferred Courses: HORT 1015WI)
56358 001 LEC, 09:35-10:25 MW, Twin Cities Remote, Completely Online; Meets With: 001 HORT 6141; Neil Anderson ; 4 cr.
56359 002 LAB, 08:30-10:25 T, Plant Growth Facility 140B, In Person; Meets With: 002 HORT 6141; Neil Anderson ; 4 cr.
56585 003 LAB, 10:40-12:35 T, Plant Growth Facility 140B, In Person; Neil Anderson ; 4 cr.

4461 Horticultural Marketing

(A-F only;)
56386 001 LEC, 11:45-13:00 TTh, Alderman Hall 415, In Person; Meets With: 001 APEC 4461; Chengyan Yue ; 3 cr.

5033 Growing Fruit & Vegetables for Local and Organic Markets

(A-F or Audit; Prerequisites: SOIL 2125 and [HORT 1001 or AGRO 1101 or BIOL 1009 or BIOL 1001 or another applicable biological science equivalent])
56623 001 LEC, 13:30-14:45 TTh, Twin Cities Remote, Completely Online; Mary Rogers ; 3 cr.

5093 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)
56549 001 IND, In Person; 1-4 cr.

5094 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56550 001 IND, In Person; 1-4 cr.

5114 Knowing and Naming the Plants We Eat

(A-F only; Prereqs: junior or senior; Biol 1001 or Biol 1009 or HORT 1001 or HORT 1015)
65657 001 LEC, 17:00-18:00 W, Twin Cities Remote, Completely Online; Thomas Michaels ; 1 cr.

Housing Studies (HSG)

4193 Directed Study in Housing Studies

(A-F or Audit; Prereq: Undergrad, instr consent)
49456 001 IND, Independent/Directed Study; Becky Yust ; 1-4 cr.

4196 Internship in Housing Studies

(S-N or Audit; 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)
49457 001 FWK, Independent/Directed Study; Becky Yust ; 1-4 cr.

5193 Directed Study in Housing Studies

(A-F or Audit; Prereq: Jr or sr or grad student)
49458 001 IND, Independent/Directed Study; Becky Yust ; 1-4 cr.

Human Factors (HUMF)

5193 Directed Study in Human Factors and Ergonomics

(A-F only; Prereq: instr consent)
49589 001 IND, Independent/Directed Study; Brad Holschuh ; 1-4 cr.

5874 Human Centered Design to Improve Complex Systems

(A-F or Audit;)
49564 001 LEC, 16:40-20:30 M, Twin Cities Remote, Completely Online; 4 cr.

Human Resources/Indus Rel (HRIR)

3021 Human Capital Management

(A-F only;)
56989 002 LEC, 14:30-15:45 TTh, Hanson Hall 1-108, In Person; Amy Simon ; 3 cr.
57000 005 LEC, 14:30-15:45 MW, Carlson School of Mgmt 1-115, In Person; Adib Birkland ; 3 cr.
57153 001 LEC, 11:15-12:30 TTh, Hanson Hall 1-104, In Person; Amy Simon ; 3 cr.
57154 003 LEC, 11:15-12:30 MW, Hanson Hall 1-104, In Person; Adib Birkland ; 3 cr.
57187 004 LEC, 08:15-09:30 MW, Hanson Hall 1-106, In Person; Adib Birkland ; 3 cr.

3021H Honors: Human Capital Management

(A-F only;)
66053 001 LEC, 09:45-11:00 MW, Carlson School of Mgmt L-118, In Person; Adib Birkland ; 3 cr.

3031 Staffing and Selection: Strategic and Operational Concerns

(Student Option;)
56950 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 2-224, In Person; Amy Simon ; 2 cr.

3032 Training and Development

(Student Option;)
56951 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 2-224, In Person; Amy Simon ; 2 cr.

3071 Union Organizing and Labor Relations

(Student Option;)
57124 001 LEC, 15:45-17:25 MW, Carlson School of Mgmt 2-224, In Person; Amy Livingston ; 2 cr.

3072 Collective Bargaining and Dispute Resolution

(Student Option;)

57125 001 LEC, 15:45-17:25 TTh, Carlson School of Mgmt
1-143, In Person; Amy Livingston ; 2 cr.

3111 Human Resource Analytics

(A-F only; Prerequisites: HRIR3021 or HRIR3021H or
IBUS 3021 and SCO 2550 or BA 2551 or equivalent
statistics course)

57417 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt
L-122, In Person; Colleen Manchester ; 2 cr.

4801W HRIR Capstone: Personal and Organizational Leadership

(A-F only; Prereq: 3021, 6 HRIR credits, [senior status
or dept consent]WI)

57079 001 LEC, 13:45-17:05 Th, Carlson School of Mgmt
2-224, In Person; Adib Birkland ; 4 cr.

5222 Creating and Managing Diversity and Inclusion

(Student Option; Prereq: HRIR MA student must
register A-F, 3021, [CSOM or HRD junior or senior or
dept consent])

57305 060 LEC, 17:45-21:05 Th, Carlson School of Mgmt
2-215, In Person; Abdifatah Ali ; 2 cr.

5450 Change in the Workplace

(A-F only;)
66054 060 LEC, 17:45-21:05 M, Twin Cities Remote,
Completely Online; Jane Kuhn ; 2 cr.

5662 Personnel Economics

(Student Option; Prereq: Prereq-HRIR MA student
must register A-F, ECON 1101, [CSOM or HRD junior or
senior or dept consent])

57343 060 LEC, 17:45-21:05 T, Carlson School of Mgmt
2-213, In Person; John Budd ; 2 cr.

5992 Independent Study in Human

Resources and Industrial Relations

(Student Option; Prereq: dept consent or instr consent)
56998 001 IND, In Person; 1-8 cr.

Industrial Engineering (IE)**3521 Statistics, Quality, and Reliability**

(Student Option; Prereq: MATH 1372 or equiv)
58068 001 LEC, 09:05-11:00 TTh, Lind Hall L125, In Person;
Ying Cui ; 4 cr.

59463 002 LEC, 13:25-15:20 TTh, Smith Hall 331, In Person;
Kevin Leder ; 4 cr.

59694 883 LEC, 09:05-11:00 TTh, Twin Cities Remote,
Completely Online; Ying Cui ; 4 cr.

3522 Quality Engineering and Six Sigma

(A-F only; Prereq: MATH 2374, MATH 2142 or MATH
2373 or equivalent , 3521 or Stat 3021, CSE Upper
Division)

59464 001 LEC, 13:25-15:20 MW, Lind Hall L125, In Person;
Lisa Miller ; 4 cr.

4011 Stochastic Models

(A-F only; Prereq: MATH 2374, MATH 2142 or MATH
2373 or equivalent, 3521 or Stat 3021, CSE Upper
Division)

59503 001 LEC, 09:05-11:00 MW, Lind Hall L125, In Person;
William Cooper ; 4 cr.

4041W Senior Design

(A-F only; Prereq: IE 1101, 2021, 3011, 3521, 3522, 3553,
4011, 4511, 4541W, 4551, ISyE seniorWI)

59504 001 LEC, 14:30-16:25 TTh, Rapson Hall 56, In
Person; Lisa Miller ; 4 cr.

4094 Directed Research

(A-F only;)
59937 001 IND, In Person; 1-4 cr.

4096 Curricular Practical Training

(S-N only;)
60159 001 FWK, In Person; Lisa Miller ; 1 cr.

4551 Production, Inventory, and Service Operations

(A-F only; Prereq: MATH 2374, MATH 2142, or MATH
2373 or equivalent, 3521 or STAT 3021, CSE Upper
Division)

59465 001 LEC, 13:25-15:20 TTh, Lind Hall L125, In Person;
Sherwin Doroudi ; 4 cr.

4894 Directed Senior Honors Thesis

(A-F only;)
59841 001 IND, In Person; 2 cr.

5080 Topics in Industrial Engineering

(Student Option;)
68408 001 LEC, 15:35-17:30 M, Akerman Hall 327, In
Person; Saumya Sinha ; 1-4 cr.

5113 Systems Engineering II

(A-F or Audit;)
59061 001 LEC, 18:10-21:30 Th, Lind Hall L125, In Person;
Juliana Monson ; 4 cr.
59230 883 LEC, Completely Online; Juliana Monson ; 4 cr.

5285 Engineering the Allocation of Public Resources

(Student Option; Prerequisites: CSE upper div or
instructor consent)
68203 001 LEC, 09:05-11:00 TTh, Lind Hall L130, In Person;
Nicholas Arnosti ; 4 cr.

5441 Financial Decision Making

(A-F only; Prereq: CSE upper div or grad student)
60421 001 LEC, 11:15-13:10 TTh, Lind Hall L120, In Person;
Ankur Mani ; 4 cr.
67841 883 LEC, 11:15-13:10 TTh, Twin Cities Remote,
Completely Online; Ankur Mani ; 4 cr.

5522 Quality Engineering and Reliability

(Student Option; Prereq: [4521 or equiv], [upper div or
grad student or CNR])
58363 001 LEC, 13:25-15:20 MW, Keller Hall 3-125, In
Person; Darin England ; 4 cr.
58894 883 LEC, 13:25-15:20 MW, Twin Cities Remote,
Completely Online; Darin England ; 4 cr.

5541 Project Management

(A-F only; Prereq: Upper div or grad student)
58362 001 LEC, 18:10-21:30 T, Lind Hall L130, In Person;
Mimi Wong ; 4 cr.
60165 002 LEC, 17:30-20:50 M, Lind Hall L130, In Person;
Mimi Wong ; 4 cr.

5545 Decision Analysis

(Student Option; Prereq: 3521 or equiv)
58418 001 LEC, 09:05-11:00 TTh, Lind Hall 302, In Person;
Darin England ; 4 cr.

5551 Production and Inventory Systems

(Student Option; Prereq: CNR or upper div or grad
student)
59260 001 LEC, 13:25-15:20 TTh, Lind Hall 302, In Person;
Meets With: 001 IE 8554; Saif Benjaifar ; 4 cr.

5561 Analytics and Data-Driven Decision Making

(Student Option; Prerequisites: IE 3521 or equivalent;
IE 3011 or IE 5531 or equivalent; proficiency with a
programming language such as R, Python, or C.)
59832 001 LEC, 11:15-13:10 TTh, Lind Hall L125, In Person;
Zhaosong Lu ; 4 cr.

Information Networking (INET)**1001 Survey of Information Technology**

(A-F or Audit;)
63380 301 LEC, Completely Online; Scott Lee-Eichenwald ;
1 cr.

3011W Social Impact of Information Technology

(A-F or Audit; Prereq: None WI)
63410 301 LEC, Completely Online; Scott Lee-Eichenwald ;
3 cr.

3101 C Programming: Language and Applications

(A-F or Audit; Prereq: Programming experience or
completed coursework in [Java or C+ or similar
programming language])
63335 001 LEC, 18:00-21:35 W, Bruininks Hall 530A, In
Person; Mark Langanki ; 2 cr.

3102 Web Infrastructure

(A-F or Audit; Prereq: [3101, CSCI 2021] or equiv IT
experience)
67387 001 LEC, 18:00-21:35 W, Mechanical Engineering
321, In Person; Joseph Axberg ; 2 cr.

4002 Foundations of Networking

(A-F or Audit; Prerequisites, but basic knowledge
of computer architecture and operating systems is
recommended. Note that credit will be granted for
either INet 4002 or CSci 4211, but not both.)
63357 301 LEC, Completely Online; John Raabe ; 3 cr.

4021 Dev Ops I: Network Programming

(A-F or Audit; Prereq: major admission requirements
completed.)
63186 001 LEC, 18:00-22:00 T, Bruininks Hall 530B, In
Person; Mark Langanki ; 4 cr.

4031 Introduction to Systems

(A-F or Audit; Prereq: Secure knowledge of operating
systems, such as provided by INet 4001 or CSci 4061.)
63187 001 LEC, 18:00-21:35 Th, Appleby Hall 3, In Person;
Joseph Axberg ; 4 cr.

4041 Networking II: Emerging Technologies

(A-F or Audit; Prereq: CSci 4211 or equivalent,
or professional experience, to comprise a basic
understanding and knowledge of operating systems,
computer architecture, and probability theory. Senior
status preferred.)
63381 001 LEC, 18:00-21:35 M, Appleby Hall 303, In Person;
Joseph Axberg ; 4 cr.

4051 IT Infrastructure Operations: Capstone

(A-F or Audit; Prereq: INet 4002 or CSci 4211 or
instructor consent, Senior.)
63373 301 LEC, Completely Online; Scott Lee-Eichenwald ;
3 cr.

4061 Data Science I: Fundamentals

(A-F or Audit; Prereq: Basic statistics and
programming skills, laptop)
63280 301 LEC, Completely Online; Tyler Deutsch ; 4 cr.

4062 Data Science II: Advanced

(A-F or Audit; Prereq: Basic programming knowledge
(Java, Python, R). Linear algebra and calculus strongly
recommended (e.g. MATH 2243 and 2263). INET 4061
strongly recommended.)
63324 001 LEC, 18:00-21:35 M, Appleby Hall 11, In Person;
Kyle Stahl ; 4 cr.

4082W IT Infrastructure Projects and Processes

(A-F or Audit; Prereq: 45 cr recommendedWI)
63358 101 LEC, 18:00-20:45 Th, Appleby Hall 11, Partially
Online; Banipal Ayvaz ; 3 cr.

4083W Systems II: Analysis and Design

(A-F or Audit; Prereq: INet 4082W (or equivalent project
management experience) is recommended.WI)
63235 101 LEC, 18:00-20:45 T, Bruininks Hall 512B, Partially
Online; Banipal Ayvaz ; 3 cr.

4153 Introduction to Security: Policy and Regulation

(A-F or Audit; Prereq: experience with Windows/
Internet; 45 semester credits)
63336 001 LEC, 18:00-21:35 Th, Bruininks Hall 530B, In
Person; John Raabe ; 4 cr.

4165 Security I: Principles

(A-F or Audit; Prereq: CSCI 4061 or equiv experience
with operating systems)
63233 001 LEC, 18:00-20:45 T, Appleby Hall 128, In Person;
Nathan Tymeson ; 3 cr.

4193 Directed Study

(A-F or Audit; Prereq: ITI student, dept consent)
63392 401 IND, Independent/Directed Study; 1-4 cr.

4596 Internship

(A-F only; Prereq: [ITI major or certificate student], [jr
or sr], dept consent)
63234 401 FWK, Independent/Directed Study; 1 cr.
63277 402 FWK, Independent/Directed Study; 1 cr.

4707 Introduction to Databases

(A-F or Audit; Prerequisites: INet 4001 or CSci 4061, at
least 45 cr completed; CSci majors contact CSci Dept
before registering.)
63333 001 LEC, 18:00-21:35 M, Appleby Hall 3, In Person;
Rich Howey ; 4 cr.
68393 401 LEC, Independent/Directed Study; Rich Howey ;
4 cr.

Information and Decision Sci (IDSC)

3001 Information Systems & Digital Transformation

(A-F or Audit;)

- 57133 001 LEC, 11:15-12:30 TTh, Hanson Hall 1-106, In Person; Mani Subramani ; 3 cr.
57134 002 LEC, 13:00-14:15 MW, Carlson School of Mgmt 1-115, In Person; Timothy Olson ; 3 cr.
57135 003 LEC, 16:00-17:15 MW, Hanson Hall 1-102, In Person; Timothy Olson ; 3 cr.
57136 020 LEC, 17:45-20:15 T, Hanson Hall 1-104, In Person; Erich Selvig ; 3 cr.
57266 004 LEC, 08:15-09:30 TTh, Hanson Hall 1-102, In Person; Kevin Kuhn ; 3 cr.

3101 Introduction to Programming

(A-F or Audit;)

- 57064 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt L-117, In Person; Agnes Yang ; 2 cr.
57137 002 LEC, 11:50-13:30 TTh, Carlson School of Mgmt L-117, In Person; Ramin Zandvakili ; 2 cr.

3102 Intermediate Programming

(A-F or Audit;)

- 57065 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt L-117, In Person; Vedran Lelas ; 2 cr.
57138 002 LEC, 11:50-13:30 TTh, Carlson School of Mgmt L-117, In Person; Vedran Lelas ; 2 cr.

3103 Data Modeling and Databases

(A-F only;)

- 57066 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt L-117, In Person; Vedran Lelas ; 2 cr.
57139 002 LEC, 13:45-15:25 TTh, Carlson School of Mgmt L-117, In Person; Vedran Lelas ; 2 cr.
57302 003 LEC, 15:45-17:25 MW, Carlson School of Mgmt L-117, In Person; Vedran Lelas ; 2 cr.

3104 Enterprise Systems

(A-F or Audit; Prereq: 3001)

- 57067 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt L-114, In Person; Ken Reily ; 2 cr.
57214 002 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 1-142, In Person; Ken Reily ; 2 cr.

3202 Analysis and Modeling of Business Systems

(A-F or Audit; Prereq: 3001)

- 57023 001 LEC, 08:00-09:40 MW, Hanson Hall 1-105, In Person; Ryan Sougstad ; 4 cr.
57140 002 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-123, In Person; Ryan Sougstad ; 4 cr.

4110 Data Engineering for Business Analytics

(A-F only;)

- 57303 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-143, In Person; Vedran Lelas ; 2 cr.
57344 002 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 1-142, In Person; Vedran Lelas ; 2 cr.
57420 003 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 1-149, In Person; Ken Reily ; 2 cr.

4161 Python for Business Applications

(A-F only;)

- 57388 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-149, In Person; Ken Reily ; 2 cr.

4204W Strategic Information Technology Management

(A-F or Audit; WI)

- 57098 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt 2-219, In Person; Semi Min ; 4 cr.
57338 002 LEC, 15:45-17:25 MW, Carlson School of Mgmt 1-127, In Person; Semi Min ; 4 cr.
65987 003 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 2-219, In Person; Ryan Sougstad ; 4 cr.

4210 Interactive Data Visualization for Business Analytics

(A-F only;)

- 57345 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt L-114, In Person; Ryan Sougstad ; 2 cr.

4301 MIS in Action: A Capstone Course

(A-F only;)

- 57063 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 1-143, In Person; Timothy Olson ; 2 cr.

- 57164 002 LEC, 08:00-09:40 MW, Carlson School of Mgmt 1-142, In Person; Timothy Olson ; 2 cr.
57272 003 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 2-233, In Person; Kevin Kuhn ; 2 cr.

4310 Prescriptive Analytics

(A-F only; Prereq: IDSc 4110 & 4210 recommended.)

- 57267 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt L-117, In Person; Vedran Lelas ; 2 cr.

4401 Information Security

(A-F only; Prereq: 3001)

- 57273 020 LEC, 17:45-21:05 W, Carlson School of Mgmt 1-143, In Person; Matt Schmidt ; 2 cr.

4441 Electronic Commerce

(A-F or Audit; Prereq: 3001)

- 65988 001 LEC, 15:45-17:25 MW, Carlson School of Mgmt 1-143, In Person; Ryan Sougstad ; 2 cr.

4444 Descriptive and Predictive Analytics

(A-F only; Prereqs: IDSC 3001; non-MIS majors also need IDSC 4110)

- 57141 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt L-114, In Person; Chaofan Zhai ; 2 cr.
57274 002 LEC, 15:45-17:25 MW, Carlson School of Mgmt 1-142, In Person; Young Jin Kwon ; 2 cr.
57421 003 LEC, 13:45-15:25 MW, Carlson School of Mgmt L-126, In Person; Ravi Bapna ; 2 cr.

4471 Agile Methods

(A-F only; Prereq: IDSC 3001)

- 57347 001 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 1-135, In Person; Sean Dulin ; 2 cr.

4491 Independent Study in Information Systems

(A-F only; Prereq: instr consent)

- 57177 001 IND, Independent/Directed Study; Corrinne (Corrie) Fiedler, Ken Reily ; 1-4 cr.

4493 Directed Study

(Student Option; Prereq: Instructor consent)

- 57391 001 IND, Independent/Directed Study; 1-4 cr.

4590 Business Analytics Special Topics

(A-F only;)

- 67924 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 2-224, In Person; Ken Reily, Ellen Trader ; 2 cr.

Insurance and Risk Management (INS)

4101 Employee Benefits

(Student Option;)

- 57188 001 LEC, 13:45-15:25 TTh, Hanson Hall 1-107, In Person; Meets With: 001 INS 6101; Andrew Whitman ; 2 cr.

4105 Corporate Risk Management

(Student Option;)

- 56954 020 LEC, 17:45-21:05 W, Hanson Hall 1-105, In Person; Meets With: 090 INS 6105; Andrew Whitman ; 2 cr.

4205 Insurance Theory and Practice

(Student Option;)

- 57370 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 1-142, In Person; Meets With: 001 INS 6205; Andrew Whitman ; 2 cr.

Inter-College Program (ICP)

3101W Proposal Development

(A-F only; Prereq: Admission to the Inter-College Program or Health and Wellbeing Sciences majorWI)

- 63397 301 LEC, Completely Online; Ganeane Sawyer ; 2 cr.
63437 302 LEC, Completely Online; Ganeane Sawyer ; 2 cr.
64449 303 LEC, Completely Online; Lisa Garrett ; 2 cr.

Interior Design (IDES)

1602 Interior Design Studio II

(A-F only; Prereq: [1601 or DHA 1601] with grade of at least C-, interior design pre-major)

- 49462 001 LAB, 08:30-11:30 MW, McNeal Hall 470, In Person; 4 cr.
49555 002 LAB, 15:00-18:00 MW, McNeal Hall 470, In Person; 4 cr.
49584 003 LAB, 08:30-11:30 TTh, McNeal Hall 470, In Person; 4 cr.

2196 Work Experience in Interior Design

(S-N only; Prereq: Plan submitted/approved by [adviser, internship supervisor], written approval of supervisor, instr consent)

- 49463 001 FWK, Independent/Directed Study; Abimbola Asojo ; 1-4 cr.
49464 002 FWK, Independent/Directed Study; Tasoulla Hadjiyanni ; 1-4 cr.
49465 004 FWK, Independent/Directed Study; Stephanie Zollinger ; 1-4 cr.
49635 003 FWK, Independent/Directed Study; Meghan Hendrickson ; 1-4 cr.

2604 Interior Design Studio IV

(A-F or Audit; Prereq: [2603 or DHA 2603], 2613)

- 49566 002 LAB, 11:15-14:15 MW, Nolte Center 140, In Person; 4 cr.
49645 001 LAB, 11:15-14:15 MW, Rapson Hall 1, In Person; 4 cr.

2612 Interior Materials and Specifications

(A-F or Audit; Prereq: [Pass portfolio review, interior design major] or interior environments minor or design minor or instr consentENV)

- 49531 001 LEC, 12:20-14:15 TTh, McNeal Hall 316, In Person; 4 cr.

2622 Computer Applications I

(A-F only; Prereq: Interior design major)

- 49532 001 LAB, 16:00-17:55 TTh, McNeal Hall 305, In Person; 2 cr.

3162 History of Interiors and Furnishings: 1750 to Present

(A-F or Audit; HIS)

- 49509 001 LEC, 10:40-12:35 MW, Twin Cities Remote, Completely Online; 4 cr.

3605 Interior Design Studio V

(A-F only;)

- 49528 001 LAB, 09:05-12:05 TTh, Rapson Hall 1, In Person; 4 cr.
49715 002 LAB, 09:05-12:05 TTh, Nolte Center 140, In Person; 4 cr.

4193 Directed Study in Interior Design

(A-F or Audit; Prereq: Undergrad, instr consent)

- 49469 001 IND, Independent/Directed Study; Abimbola Asojo ; 1-4 cr.
49470 002 IND, Independent/Directed Study; Tasoulla Hadjiyanni ; 1-4 cr.
49471 004 IND, Independent/Directed Study; Stephanie Zollinger ; 1-4 cr.

4196 Internship in Interior Design

(S-N only; Prereq: 4607, instr consent)

- 49472 001 FWK, Independent/Directed Study; Abimbola Asojo ; 1 cr.
49473 002 FWK, Independent/Directed Study; Tasoulla Hadjiyanni ; 1 cr.
49474 004 FWK, Independent/Directed Study; Stephanie Zollinger ; 1 cr.
49678 005 FWK, Independent/Directed Study; Meghan Hendrickson ; 1 cr.
68683 003 FWK, Independent/Directed Study; Anne Farniok ; 1 cr.

4608 Interior Design Thesis

(A-F only; Prereq: [4615W or DHA 4615W], [4607 or DHA 4607] with grade of at least C-)

- 49475 001 LAB, 14:30-17:30 MW, Rapson Hall 1, In Person; 4 cr.
49646 002 LAB, 14:30-17:30 MW, Nolte Center 140, In Person; 4 cr.

4617 Lighting Design Innovations and Technological Advances

(A-F only;)

- 49667 001 LEC, 14:30-17:15 TTh, Twin Cities Remote, Completely Online; Meets With: 001 IDES 5617; 3 cr.

5193 Directed Study in Interior Design

(A-F or Audit; Prereq: Jr or sr or grad student)

- 49476 001 IND, Independent/Directed Study; Abimbola Asojo ; 1-4 cr.
49477 002 IND, Independent/Directed Study; Tasoulla Hadjiyanni ; 1-4 cr.
49478 004 IND, Independent/Directed Study; Stephanie Zollinger ; 1-4 cr.

5617 Lighting Design Innovations and Technological Advances

(A-F only;)

49668 001 LEC, 14:30-17:15 TTh, Twin Cities Remote, Completely Online; Meets With: 001 IDES 4617; 3 cr.

International Business (IBUS)

2021 Design Your Career in a Global

Context

(A-F only; Prereq: Carlson School undergraduate student)

67148 001 LEC, 11:15-12:30 T, Hubert H. Humphrey School 30, In Person; Lisa Novack; 2 cr.

3021 Human Capital Management

(A-F only;)

57082 001 LEC, 10:00-12:30 F, Carlson School of Mgmt 2-228, In Person; Connie Wanberg; 4 cr.

3033W Business Communication in a Global Context

(A-F only; Prereq: Fr composition, CSOM upper-div, at least 60 crWI)

57128 001 LEC, 11:15-12:30 TTh, Carlson School of Mgmt 2-228, In Person; Nat Bennett; 4 cr.

3055 Innovating with Technology: Global IT Entrepreneurship in Action

(A-F only;)

57332 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-142, In Person; Soumya Sen; 4 cr.

3090 International Business Special Topics (A-F only;)

66390 001 DIS, 10:00-11:15 F, Carlson School of Mgmt L-122, In Person; Akinyi Williams; 2-4 cr.

66484 002 DIS, 09:55-11:35 TTh, Carlson School of Mgmt L-122, In Person; Ameer Mcdonald; 2-4 cr.

3092 Understanding International Business

(A-F only; Prereq: Carlson School undergraduate students with at least 90 cumulative credits)

57507 001 DIS, 11:50-13:30 TTh, Carlson School of Mgmt 1-143, In Person; Michael Nolan; 2 cr.

57508 002 DIS, 10:10-11:50 TTh, Hanson Hall 1-105, In Person; Michael Nolan; 2 cr.

60601 003 DIS, 12:20-14:00 TTh, Blegen Hall 435, In Person; Michael Nolan; 2 cr.

Italian (ITAL)

1001 Beginning Italian I

(Student Option;)

52695 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 104, Partially Online; Meets With: 001 ITAL 4001; Monica Barbieri; 5 cr.

52696 002 DIS, 11:15-12:05 MTWTh, Folwell Hall 4, Partially Online; Monica Barbieri; 5 cr.

1002 Beginning Italian II

(Student Option; Prereq: 1001 or instr consent)

52157 002 DIS, 13:25-14:15 MTWTh, Folwell Hall 122, Partially Online; Cristina Cocchi; 5 cr.

65826 003 DIS, 14:30-16:25 TTh, Folwell Hall 10, Partially Online; Cristina Cocchi; 5 cr.

1003 Intermediate Italian I

(Student Option;)

52736 001 DIS, 11:15-12:05 MTWTh, Folwell Hall 30, Partially Online; Cristina Cocchi; 5 cr.

1004 Intermediate Italian II

(Student Option; Prereq: ITAL 1003)

52162 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 122, Partially Online; Meets With: 001 ITAL 4004; Kathleen Rider; 5 cr.

52163 002 DIS, 12:20-13:10 MTWTh, Folwell Hall 13, Partially Online; Meets With: 002 ITAL 4004; Kathleen Rider; 5 cr.

1837 Imaging Italy: Italian and Italian-American Culture, History, and Society through Film

(Student Option; AH,GP)

54734 001 LEC, 16:00-17:15 W, Twin Cities Remote, Completely Online; Meets With: 001 ITAL 3837; Susanna Ferlito; 4 cr.

3015 Reading, Conversation, and Composition

(Student Option; Prereq: 1004)

65751 001 DIS, 12:20-14:15 TTh, Kolthoff Hall 133, In Person; Monica Barbieri; 4 cr.

3459W Senior Project

(Student Option; Prereq: completion of pre-requisite for major (3015) and eight electives for the sum of 30 creditsWI)

53203 001 IND, 00:00-00:00 , Independent/Directed Study; Lorenzo Fabbri; 2 cr.

54951 002 IND, In Person; Susanna Ferlito; 2 cr.

3502 Making of Modern Italy: From the Enlightenment to the Present.

(Student Option; Prereq: 3015)

65829 001 DIS, 13:00-14:15 MW, Room TBA, In Person; Lorenzo Fabbri; 3 cr.

3640 Topics in Italian Studies

(Student Option; Prereq: 3015 or instr consent)

66073 001 LEC, 13:25-16:25 Th, Twin Cities Remote, Completely Online; Susanna Ferlito; 3 cr.

3837 Imaging Italy: Italian and Italian-American Culture, History, and Society through Film

(Student Option; AH,GP)

54735 001 LEC, 16:00-17:15 W, Twin Cities Remote, Completely Online; Meets With: 001 ITAL 1837; Susanna Ferlito; 4 cr.

4001 Beginning Italian for Graduate Research I

(Student Option; Prereq: instr consent)

55016 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 104, Partially Online; Meets With: 001 ITAL 1001; Monica Barbieri; 5 cr.

4004 Intermediate Italian for Graduate Research II

(Student Option;)

54894 002 DIS, 12:20-13:10 MTWTh, Folwell Hall 13, Partially Online; Meets With: 002 ITAL 1004; Kathleen Rider; 5 cr.

54895 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 122, Partially Online; Meets With: 001 ITAL 1004; Kathleen Rider; 5 cr.

4993 Directed Study

(Student Option; Prereq: instr consent)

52050 001 IND, In Person; Lorenzo Fabbri; 1-4 cr.

5970 Directed Readings

(Student Option; Prereq: instr consent)

52051 001 IND, In Person; 1-4 cr.

Japanese (JPN)

1012 Beginning Japanese II

(Student Option No Audit; Prereq: 1011)

53737 001 LEC, 10:10-11:00 MTWThF, Lind Hall L120, In Person; Meets With: 001 JPN 4002; Fumiko Matsumoto; 5 cr.

53738 002 LEC, 09:05-11:25 MW, Appleby Hall 204, In Person; Meets With: 002 JPN 4002; Marnie Jorenby; 5 cr.

53739 003 LEC, 11:15-12:05 MTWThF, Folwell Hall 28, In Person; Meets With: 003 JPN 4002; Keiko Kawakami; 5 cr.

53740 004 LEC, 12:20-13:10 MTWThF, Folwell Hall 122, In Person; Meets With: 004 JPN 4002; Masanori Shiomi; 5 cr.

53741 005 LEC, 13:25-14:15 MTWThF, Nicholson Hall 345, In Person; Meets With: 005 JPN 4002; Masanori Shiomi; 5 cr.

53742 006 LEC, 13:25-15:45 TTh, Scott Hall 4, In Person; Meets With: 006 JPN 4002; Fumiko Matsumoto; 5 cr.

53743 050 LEC, 16:40-19:00 TTh, Twin Cities Remote, Completely Online; Meets With: 050 JPN 4002; Marnie Jorenby; 5 cr.

54325 007 LEC, 14:30-15:20 MTWThF, Folwell Hall 31, In Person; Meets With: 007 JPN 4002; Masanori Shiomi; 5 cr.

3022 Intermediate Japanese II

(Student Option No Audit; Prereq: 3021 or instr consent)

52217 002 LEC, 11:15-12:05 MTWThF, Folwell Hall 5, In Person; Meets With: 002 JPN 4004; Ayumi Mita; 5 cr.

52556 001 LEC, 10:10-11:00 MTWThF, Folwell Hall 32, In Person; Meets With: 001 JPN 4004; Ayumi Mita; 5 cr.

53236 003 LEC, 12:20-13:10 MTWThF, Folwell Hall 121, In Person; Meets With: 003 JPN 4004; Kenichi Tazawa; 5 cr.

53393 004 LEC, 13:25-14:15 MTWThF, Kolthoff Hall 139, In Person; Meets With: 004 JPN 4004; Kenichi Tazawa; 5 cr.

53654 050 LEC, 16:40-19:00 TTh, Twin Cities Remote, Completely Online; Meets With: 050 JPN 4004; Kenichi Tazawa; 5 cr.

3032 Third Year Japanese II

(Student Option No Audit; Prereq: 3031 or instr consent)

53867 001 LEC, 13:25-14:15 MTWTh, Folwell Hall 3, In Person; Meets With: 001 JPN 4006; Keiko Kawakami; 4 cr.

53868 002 LEC, 14:30-16:25 TTh, Folwell Hall 3, In Person; Meets With: 050 JPN 4006; Keiko Kawakami; 4 cr.

3290 Japanese Language Teaching Tutorial (S-N only; Prereq: Grade of A in 4042)

53331 001 FWK, In Person; Fumiko Matsumoto; 1 cr.

4002 Beginning Japanese II for Graduate Student Research

(Student Option No Audit; Prereq: 4001)

53744 001 LEC, 10:10-11:00 MTWThF, Lind Hall L120, In Person; Meets With: 001 JPN 1012; Fumiko Matsumoto; 5 cr.

53745 002 LEC, 09:05-11:25 MW, Appleby Hall 204, In Person; Meets With: 002 JPN 1012; Marnie Jorenby; 5 cr.

53746 003 LEC, 11:15-12:05 MTWThF, Folwell Hall 28, In Person; Meets With: 003 JPN 1012; Keiko Kawakami; 5 cr.

53747 004 LEC, 12:20-13:10 MTWThF, Folwell Hall 122, In Person; Meets With: 004 JPN 1012; Masanori Shiomi; 5 cr.

53748 005 LEC, 13:25-14:15 MTWThF, Nicholson Hall 345, In Person; Meets With: 005 JPN 1012; Masanori Shiomi; 5 cr.

53749 006 LEC, 13:25-15:45 TTh, Scott Hall 4, In Person; Meets With: 006 JPN 1012; Fumiko Matsumoto; 5 cr.

53750 050 LEC, 16:40-19:00 TTh, Twin Cities Remote, Completely Online; Meets With: 050 JPN 1012; Marnie Jorenby; 5 cr.

54326 007 LEC, 14:30-15:20 MTWThF, Folwell Hall 31, In Person; Meets With: 007 JPN 1012; Masanori Shiomi; 5 cr.

4004 Intermediate Japanese II for Graduate Student Research

(Student Option No Audit; Prereq: 4003)

52731 001 LEC, 10:10-11:00 MTWThF, Folwell Hall 32, In Person; Meets With: 001 JPN 3022; Ayumi Mita; 5 cr.

52732 002 LEC, 11:15-12:05 MTWThF, Folwell Hall 5, In Person; Meets With: 002 JPN 3022; Ayumi Mita; 5 cr.

53288 003 LEC, 12:20-13:10 MTWThF, Folwell Hall 121, In Person; Meets With: 003 JPN 3022; Kenichi Tazawa; 5 cr.

53394 004 LEC, 13:25-14:15 MTWThF, Kolthoff Hall 139, In Person; Meets With: 004 JPN 3022; Kenichi Tazawa; 5 cr.

53655 050 LEC, 16:40-19:00 TTh, Twin Cities Remote, Completely Online; Meets With: 050 JPN 3022; Kenichi Tazawa; 5 cr.

4006 Third Year Japanese II for Graduate Student Research

(Student Option No Audit; Prereq: 4005)

53849 001 LEC, 13:25-14:15 MTWTh, Folwell Hall 3, In Person; Meets With: 001 JPN 3032; Keiko Kawakami; 4 cr.

53850 050 LEC, 14:30-16:25 TTh, Folwell Hall 3, In Person; Meets With: 002 JPN 3032; Keiko Kawakami; 4 cr.

4042 Advanced Japanese Conversation and Composition II

(Student Option; Prereq: 4041 or instr consent)

53198 001 LEC, 12:20-14:15 MW, Folwell Hall 119, In Person; Ayumi Mita; 4 cr.

5040 Readings in Japanese Texts

(A-F or Audit; Prereq: 4042 or equiv or instr consent)

68043 001 LEC, 19:45-21:00 TTh, Folwell Hall 104, Partially Online; Marnie Jorenby; 3 cr.

5211 Introductory Classical Chinese I

(Student Option; Prereq: Two years of an East Asian language (Chinese, Japanese, Korean) or equivalent or instr consent)

67829 001 LEC, 09:45-11:00 MW, Nicholson Hall 355, In Person; Meets With: 001 KOR 5211001 CHN 5211; Paul Rouzer; 3 cr.

Jewish Studies (JWST)

1205 The Bible and Film: The Holy Book Meets the Silver Screen

(A-F or Audit;)

68416 001 LEC, 14:30-15:45 TTh, Nicholson Hall 155, In Person; Meets With: 001 CNRC 1205001 RELS 1205; Bernard Levinson; 3 cr.

3502W Ancient Israel: From Conquest to Exile

(Student Option; WI)

68071 001 LEC, 11:15-12:30 TTh, Nicholson Hall 125, In Person; Meets With: 001 CNRC 5502W001 CNRC 3502W001 HIST 3502W001 RELS 3502W; Bernard Levinson ; 3 cr.

3511 Muslims and Jews: Conflict and Co-existence in the Middle East and North Africa since 1700

(Student Option; GP,HIS)

55563 001 LEC, In Person; Meets With: 001 RELS 3079; 3 cr.

3515 Multiculturalism in Modern Israel: how communities, ideologies, and identities intersect

(Student Option;)

66314 001 LEC, 14:30-15:45 MW, Twin Cities Remote, Completely Online; Meets With: 001 HEBR 5515001 CNRC 3515; Renana Schnelller ; 3 cr.

3518 Jewish Humor: Seriously Funny from Text to Stage to Screen

(Student Option; DSJ)

68221 001 LEC, 13:00-14:15 TTh, Nicholson Hall 325, In Person; Meets With: 001 CNRC 3518; Natan Paradise ; 3 cr.

3896 Jewish Studies Internship for Academic Credit

(Student Option;)

54790 001 IND, In Person; Natan Paradise ; 1-4 cr.

3993 Directed Study**(A-F only; Prereq: instr consent)**

54208 001 IND, In Person; Natan Paradise ; 1-4 cr.

4000W Final Project, Writing Intensive**(A-F or Audit; Prereq: JwSt major, permission of dir of undergrad studiesWI)**

52800 001 IND, In Person; Natan Paradise ; 4 cr.

4001W Final Project, Writing Intensive**(A-F or Audit; Prereq: concurrent registration is required (or allowed) in 5xxx, JwSt major, permission of dir of undergrad studiesWI)**

52213 001 IND, In Person; Natan Paradise ; 1 cr.

5992 Directed Readings**(Student Option; Prereq: instr consent)**

52979 001 IND, 00:00-00:00 , , In Person; Natan Paradise ; 1-12 cr.

Journalism & Mass Communication (JOUR)

1001 Media in a Changing World**(Student Option; SOCS,TS)**

51706 001 LEC, 14:30-15:45 MW, Murphy Hall 130, In Person; Maral Abdollahi ; 3 cr.

52461 002 LEC, 09:45-11:00 TTh, Murphy Hall 130, In Person; Rebekah Nagler ; 3 cr.

66130 004 LEC, Completely Online; Scott Memmel ; 3 cr.

1501 Digital Games and Society**(Student Option; AH,TS)**

54639 001 LEC, Completely Online; Colin Agur ; 3 cr.

66131 002 LEC, Completely Online; Yuming Fang ; 3 cr.

3004 Information for Mass Communication**(A-F only; Prereq: [JOUR 1001 or JOUR 100H], [JOUR major, Strat Comm major, Media and Information major or Media and Information minor or approved BIS/IDIM/ICP program])**

51708 001 LEC, 12:20-13:10 MW, Murphy Hall 130, Partially Online; Meets With: 001 JOUR 3004H; Haseon Park ; 3 cr.

54239 002 LEC, 11:15-12:05 MW, Murphy Hall 130, Partially Online; Susan LoRusso ; 3 cr.

3004H Information for Mass Communication**(A-F only; Prereq: Honors, [JOUR 1001 or JOUR100H], [Jour major, Strat Comm major, Media and Information major or Media and Information minor or approved BIS/IDIM/ICP program])**

52818 001 LEC, 12:20-13:10 MW, Murphy Hall 130, Partially Online; Meets With: 001 JOUR 3004; Haseon Park ; 3 cr.

3005 Media Effects**(Student Option; SOCS)**

53545 001 LEC, 09:45-11:00 TTh, Amundson Hall B75, In Person; Claire Segijn ; 3 cr.

3006 Visual Communication**(Student Option;)**

52669 001 LEC, 11:15-12:30 TTh, Murphy Hall 130, In Person; Christine Delp ; 3 cr.

3007 The Media in American History and Law: Case Studies

(Student Option; HIS)

68802 002 LEC, Completely Online; Scott Memmel ; 3 cr.

3101W News Reporting and Writing**(A-F only; Prereq: [JOUR 3004 or 3004H or concurrent registration], Jour majorWI)**

53585 002 LAB, 15:35-17:30 TTh, Murphy Hall 10 North, In Person; Greta Kaul ; 3 cr.

53761 001 LAB, 09:05-11:00 MW, Murphy Hall 10 Center, In Person; Seth Richardson ; 3 cr.

54258 003 LAB, 10:10-12:05 TTh, Murphy Hall 10 Center, In Person; Seth Richardson ; 3 cr.

3102 Multimedia Production and Storytelling

(A-F only; Prereq: [JOUR 3004 or 3004H or coreq], [JOUR 3101 or coreq or JOUR 3279 or coreq or JOUR 3241 or coreq], [JOUR major or Strat Comm major])

53338 001 LAB, 08:00-09:55 TTh, Murphy Hall 10 South, In Person; Sarah Lemanczyk ; 3 cr.

53586 002 LAB, 12:20-14:15 TTh, Murphy Hall 10 South, In Person; Regina McCombs ; 3 cr.

55234 003 LAB, 15:35-17:30 TTh, Murphy Hall 10 Center, In Person; Regina McCombs ; 3 cr.

3121 Intermediate News Reporting**(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3101, Jour major)**

52955 001 LEC, 13:00-14:15 MW, Murphy Hall 25, In Person; Seth Richardson ; 3 cr.

55419 002 LEC, 08:15-09:30 TTh, Murphy Hall 228, In Person; Frederick Melo ; 3 cr.

3155 Editing for Print and Digital Audiences

(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3101, Jour major)

51709 001 LAB, 17:30-19:25 TTh, Murphy Hall 10 South, In Person; Micah Emmel-Duke ; 3 cr.

3173W Magazine & Feature Writing**(A-F only; Prereq: [Jour 3004 or 3004H], Jour 3101, [Jour major, Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program]WI)**

53759 001 LEC, 14:30-15:45 MW, Murphy Hall 228, In Person; Gayle Golden ; 3 cr.

3201 Principles of Strategic Communication

(A-F or Audit; Prereq: [JOUR 3004 or 3004H or concurrent registration], [Jour major, Strat Comm major, Media & Information major or Media & Information minor or approved BIS/IDIM/ICP program])

51710 001 LEC, Completely Online; Sherri Katz ; 3 cr.

52511 002 LEC, 09:45-11:00 MW, Murphy Hall 130, In Person; Hyejoon Rim ; 3 cr.

3241W Advertising Strategy and Creative Development

(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3201, Strat Comm majorWI)

52594 001 LEC, 08:15-09:30 MW, Murphy Hall 214, In Person; Erik Kv?seth ; 3 cr.

53587 002 LEC, 09:45-11:00 MW, Murphy Hall 214, In Person; Jennifer Johnson ; 3 cr.

53844 003 LEC, 11:15-12:30 MW, Murphy Hall 214, In Person; Jennifer Johnson ; 3 cr.

54053 004 LEC, 13:00-14:15 TTh, Murphy Hall 25, In Person; Mark Jenson ; 3 cr.

3251 Strategic Communication Research and Analytics

(A-F only; Prereq: JOUR 3004 or 3004H, JOUR 3201, Strat Comm major)

52258 001 LEC, 13:00-14:15 MW, Murphy Hall 15, In Person; Hyejoon Rim ; 3 cr.

3253 Account Planning**(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3201, Strat Comm major)**

53588 001 LEC, 09:45-11:00 TTh, Murphy Hall 214, In Person; Mark Jenson ; 3 cr.

3261 Media Planning**(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3201, Strat Comm major)**

51713 001 LEC, 16:00-17:15 MW, Murphy Hall 228, In Person; Haseon Park ; 3 cr.

55420 002 LEC, 16:00-17:15 TTh, Murphy Hall 214, In Person; Luis Garrido ; 3 cr.

3275 Digital Strategy in Strategic Communication

(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3201, Strat Comm major)

53758 001 LEC, 16:00-17:15 MW, Murphy Hall 214, In Person; Kathleen Berry ; 3 cr.

55421 002 LEC, 14:30-15:45 TTh, Murphy Hall 214, In Person; Alvin Zhou ; 3 cr.

3279W Professional Writing for Strategic Communication

(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3201, Strat Comm majorWI)

54236 001 LEC, 11:15-12:30 MW, Murphy Hall 10 Center, In Person; Donald Allen ; 3 cr.

54237 002 LEC, 11:15-12:30 TTh, Murphy Hall 10 North, In Person; Donald Allen ; 3 cr.

55422 003 LEC, 13:00-14:15 TTh, Murphy Hall 10 North, In Person; Eva Keiser ; 3 cr.

3321 Media Design**(A-F only; Prereq: [JOUR 3004 or 3004H or concurrent registration], [JOUR major or Strat Comm major])**

52259 001 LAB, 08:00-09:55 MW, Murphy Hall 10 North, In Person; Susan Andre ; 3 cr.

53038 002 LAB, 10:10-12:05 MW, Murphy Hall 10 North, In Person; Sara Quinn ; 3 cr.

53768 003 LAB, 12:20-14:15 MW, Murphy Hall 10 North, In Person; Stacie Kammerling ; 3 cr.

54056 004 LAB, 10:10-12:05 TTh, Murphy Hall 10 South, In Person; Sara Quinn ; 3 cr.

3451 TV, Radio and Digital News Reporting**(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3101, JOUR 3102, Jour major)**

65711 001 LAB, 14:30-16:25 MW, Murphy Hall 10 South, In Person; Scott Libin ; 3 cr.

3551 The Business of Digital Media: Innovation, Disruption, and Adaptation

(Student Option; TS)

68327 002 LEC, Completely Online; Sarah Wiley ; 3 cr.

3614 History of Media Communication**(Student Option; HIS,TS)**

66136 001 LEC, 09:45-11:00 TTh, Ford Hall 127, In Person; Sid Bedingfield ; 3 cr.

3741 Diversity and Media**(Student Option; DSJ)**

55236 001 LEC, 13:00-14:15 MW, Appleby Hall 303, In Person; Maria Len-Rios ; 3 cr.

3745 Media and Popular Culture**(Student Option; AH,DSJ)**

51711 001 LEC, Completely Online; Ruth DeFoster ; 3 cr.

53628 002 LEC, 14:30-15:45 TTh, Murphy Hall 130, In Person; Ruth DeFoster ; 3 cr.

3751 Digital Media and Culture**(Student Option; AH,TS)**

53348 001 LEC, 11:15-12:30 MW, Anderson Hall 250, In Person; Valerie Belair-Gagnon ; 3 cr.

55425 002 LEC, Completely Online; Allison Steinke ; 3 cr.

3757 Principles of Health Communication Strategy

(Student Option;)

54589 001 LEC, 11:15-12:30 TTh, Murphy Hall 214, In Person; Marco Yzer ; 3 cr.

3771 Media Ethics**(Student Option; CIV)**

52241 001 LEC, 13:00-14:15 MW, Murphy Hall 228, In Person; Jonathan Anderson ; 3 cr.

3775 Strategic Communication Law**(Student Option; CIV)**

53589 001 LEC, 14:30-15:45 MW, Ford Hall 110, In Person; Christopher Terry ; 3 cr.

3776 Media Law**(A-F only;)**

51712 001 LEC, 08:15-09:30 TTh, Murphy Hall 130, In Person; Meets With: 001 JOUR 3776H; Jane Kirtley ; 3 cr.

3776H Media Law

(A-F only; Prereq: Honors)
53977 001 LEC, 08:15-09:30 TTh, Murphy Hall 130, In Person; Meets With: 001 JOUR 3776; Jane Kirtley ; 3 cr.

3896 Directed Internship

(S-N only; Prereq: Jour major, dept consent)
52690 001 FWK, 00:00-00:00 , , In Person; Jennifer Johnson ; 1 cr.
53006 002 FWK, 00:00-00:00 , , In Person; Gayle Golden ; 1 cr.
53007 003 FWK, 00:00-00:00 , , In Person; 1 cr.

4172 Sports Reporting

(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3101, JOUR 3121 or instructor permission, Jour major)
54665 001 LEC, 09:45-11:00 TTh, Murphy Hall 15, In Person; Michael Rand ; 3 cr.

4175 Brovald-Sim Community Journalism Practicum

(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3101, [JOUR 3103 or JOUR 3121 or JOUR 3155 or JOUR 3173 or JOUR 4302], Jour major)
53645 001 LEC, 14:30-15:45 TTh, Murphy Hall 10H, 14:30-15:45 TTh, Murphy Hall 10 South, In Person; Gayle Golden ; 3 cr.

4242 Advertising Portfolio Development

(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3201, JOUR 3241, Strat Comm major)
53078 001 LEC, 14:30-15:45 TTh, Murphy Hall 25, In Person; Jennifer Johnson ; 3 cr.

4243 Digital Content Development and Production for Brand Communications

(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3201, [JOUR 3241 or JOUR 3279], Strat Comm major)
53922 001 LAB, 08:00-09:55 TTh, Murphy Hall 10 North, In Person; Rachel Slavik ; 3 cr.
54439 002 LAB, 13:25-15:20 TTh, Murphy Hall 10 Center, In Person; Allison Steinke ; 3 cr.

4244 Crisis Communication

(A-F only; Prereq: [Jour 3004W or 3004V], Jour 3201, any 32xx skills course, [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])
66137 001 LEC, 11:15-12:30 MW, Murphy Hall 25, In Person; Amy O'Connor ; 3 cr.

4251 Psychology of Advertising

(Student Option;)
53669 001 LEC, 11:15-12:30 MW, Mayo Bldg & Additions C231, In Person; Sherri Katz ; 3 cr.
55237 002 LEC, 13:00-14:15 TTh, Murphy Hall 130, In Person; Claire Segijn ; 3 cr.

4259 Strategic Communication Case

Analysis
(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3201, any 32xx skills course, Strat Comm major)
53639 001 LEC, 14:30-15:45 MW, Murphy Hall 214, In Person; Yan Qu ; 3 cr.
55239 002 LEC, 13:00-14:15 TTh, Murphy Hall 228, In Person; Yan Qu ; 3 cr.

4262 Management for Strategic Communication

(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3201, any 32xx skills course, Strat Comm major)
53839 001 LEC, 11:15-12:30 TTh, Murphy Hall 228, In Person; Richard McCracken ; 3 cr.
66444 002 LEC, 16:00-17:15 TTh, Murphy Hall 25, In Person; Susan Hamerski ; 3 cr.

4263 Strategic Communication Campaigns

(A-F or Audit; Prereq: [JOUR 3004 or 3004H], JOUR 3201, any 32xx skills course, any 4/5xxx skills course, Strat Comm major)
51714 001 LAB, 08:00-09:55 MW, Murphy Hall 228, In Person; Alyxandra Orstad ; 3 cr.
52263 004 LAB, 16:40-18:35 MW, Murphy Hall 25, In Person; Margaret Snook ; 3 cr.
53590 003 LAB, 14:30-16:25 MW, Murphy Hall 25, In Person; Mark Jenson ; 3 cr.
53840 006 LAB, 14:30-16:25 TTh, Murphy Hall 228, In Person; Richard McCracken ; 3 cr.
53952 002 LAB, 10:10-12:05 MW, Murphy Hall 228, In Person; Yan Qu ; 3 cr.

53953 007 LAB, 16:40-18:35 TTh, Murphy Hall 228, In Person; Mark Morse ; 3 cr.
54238 005 LAB, 08:00-09:55 TTh, Murphy Hall 25, In Person; Erik Kv?lseth ; 3 cr.

4264 Campaigns/National Student Advertising Competition

(A-F only;)
67434 001 LEC, 09:05-09:55 MWF, Murphy Hall 15, 09:05-09:55 MWF, Murphy Hall 25, In Person; Richard McCracken ; 3 cr.
67435 002 LAB, 10:10-11:00 MW, Murphy Hall 15, 10:10-11:00 MW, Murphy Hall 25, In Person; Richard McCracken ; 3 cr.

4272 Digital Advertising: Theory and Practice

(A-F or Audit;)
53004 001 LEC, 09:45-11:00 TTh, Nicholson Hall 125, In Person; Jisu Huh ; 3 cr.

4274W Advertising in Society

(Student Option; WI)
54590 002 LEC, 11:15-12:30 TTh, Nicholson Hall 35, In Person; Ruth DeFoster ; 3 cr.

4302 Photojournalism

(A-F or Audit; Prereq: [JOUR 3004 or 3004H], JOUR 3101, JOUR 3102, Jour major)
66138 001 LEC, 16:00-17:15 TTh, Murphy Hall 10 South, In Person; Elizabeth Flores ; 3 cr.

4303 Advanced Visual Storytelling

(A-F only; Prereq: [JOUR 3004 or 3004H], JOUR 3101, JOUR 3102, Jour major)
53841 001 LEC, 11:15-12:30 MW, Murphy Hall 10 South, In Person; Regina McCombs ; 3 cr.

4452 Newscast Producing

(A-F only; Prereq: [Jour 3004 or 3004H], Jour 3101, Jour 3102, Jour 3451 [Jour major, Mass Comm major or approved BIS/IDIM/ICP program])
53842 001 LEC, 09:05-09:55 MWF, Murphy Hall 10 South, 09:05-09:55 MWF, Murphy Hall 10, 09:05-09:55 MWF, Murphy Hall 10H, In Person; Scott Libin ; 3 cr.
53843 002 LAB, 10:10-11:00 MWF, Murphy Hall 10, 10:10-11:00 MWF, Murphy Hall 10 South, 10:10-11:00 MWF, Murphy Hall 10H, In Person; Scott Libin ; 3 cr.

4590 Special Topics in Mass Communication: Context

(A-F or Audit;)
66452 001 LEC, 09:45-11:00 WF, Twin Cities Remote, Completely Online; Marissa Evans ; 3 cr.
68086 002 LEC, Completely Online; Allison Steinke ; 3 cr.

4721 Mass Media and U.S. Society

(Student Option; DSJ,SOCS)
53596 001 LEC, 13:00-14:15 TTh, Murphy Hall 214, In Person; Meets With: 001 JOUR 4721H; Sid Bedingfield ; 3 cr.

4721H Mass Media and U.S. Society

(A-F only; Prereq: honorsDSJ,SOCS)
53597 001 LEC, 13:00-14:15 TTh, Murphy Hall 214, In Person; Meets With: 001 JOUR 4721; Sid Bedingfield ; 3 cr.

4999 Capstone

(S-N only;)
55240 001 LEC, Completely Online; Susan LoRusso ; 1 cr.
55241 002 LEC, Completely Online; Elaine Hargrove ; 1 cr.
55242 003 LEC, Completely Online; Scott Memmel ; 1 cr.
55243 004 LEC, Completely Online; Scott Memmel ; 1 cr.
55244 005 LEC, Completely Online; Allison Steinke ; 1 cr.
55361 006 LEC, Completely Online; Christopher Terry ; 1 cr.
67437 008 LEC, Completely Online; Scott Memmel ; 1 cr.

5174 Magazine Editing and Production

(A-F only; Prereq: [JOUR 3004 or 3004H], [[JOUR 3101 and [JOUR 3155 or JOUR 3173 or JOUR 3321 or JOUR 4171 or JOUR 4302]] or JOUR 3279], [Jour major or Strat Comm major])
53337 001 LAB, 14:30-16:25 MW, Murphy Hall 10 North, 14:30-16:25 MW, Murphy Hall 10H, 14:30-16:25 MW, Murphy Hall 10 Center, In Person; Sara Quinn ; 3 cr.

5196 Field Based Practicum

(A-F only; Prereq: Jour major and instructor permission)
66139 001 LAB, 13:00-14:15 Th, Lab TBA, Primarily Online; Scott Libin ; 3 cr.

5251 Strategic Communication Theory

(Student Option;)

52897 001 LEC, 17:30-20:00 T, Murphy Hall 214, Partially Online; Michelle Wood ; 3 cr.

5252 Issue Management Communication and Brand Advocacy

(Student Option; Prerequisite: Strategic Communication MA student or instructor permission.)
66140 001 LEC, 17:30-20:00 M, Murphy Hall 214, Partially Online; Amy O'Connor ; 3 cr.

5501 Communication, Public Opinion, and Social Media

(Student Option;)
55245 001 LEC, 13:00-14:15 MW, Murphy Hall 214, In Person; Emily Vraga ; 3 cr.

5542 Theory-based Health Message Design

(Student Option; Prerequisites: Jour 3005 or Jour 3757 or Jour 5541)
66141 001 LEC, 13:00-14:15 TTh, Murphy Hall 15, In Person; Marco Yzer ; 3 cr.

5552 Law of Internet Communication

(A-F or Audit;)
55246 001 LEC, 11:15-12:30 MW, Murphy Hall 15, In Person; Christopher Terry ; 3 cr.

5606W Literary Aspects of Journalism

(Student Option; WI)
53691 001 LEC, 11:15-12:30 TTh, Murphy Hall 25, In Person; Meets With: 001 ENGW 5606W; Gayle Golden ; 3 cr.

5993 Directed Study

(Student Option No Audit; Prereq [Jour major or jour minor or approved IDIM major or ICP major or BIS major], GPA of at least 3.00, college consent, dept consent, instr consent. Students enrolling in this directed study/research course will complete the University's common Directed Study/Research contract with the faculty mentor/evaluator. The Faculty member will ensure academic standards are upheld, including: the work proposed is at the appropriate level for the course, academic in nature, and the student will be involved intellectually in the project. the project scope is reasonable for one semester and the number of credits specified (42 hours of work per credit) the faculty mentor is qualified to serve in this role assessment of student learning and grading criteria are clear and appropriate the student will be working in a respectful, inclusive environment)

52264 001 IND, In Person; ; 1-3 cr.
52691 002 IND, 00:00-00:00 , , In Person; ; 1-3 cr.
52692 003 IND, 00:00-00:00 , , In Person; Jisu Huh ; 1-3 cr.
52693 004 IND, 00:00-00:00 , , In Person; Jane Kirtley ; 1-3 cr.
52694 005 IND, 00:00-00:00 , , In Person; Marco Yzer ; 1-3 cr.
54832 006 IND, In Person; ; 1-3 cr.

Kenya (KNYA)

Kinesiology (KIN)

1871 Survey of Kinesiology, Physical Activity, Health Promotion, and Sport Management

(A-F or Audit;)
50864 002 LEC, 08:15-09:30 TTh, Rapson Hall 100, In Person; Meets With: 001 KIN 1871; 3 cr.

3001 Lifetime Health and Wellness

(A-F or Audit; SOCS)
50350 001 LEC, 09:45-11:00 TTh, Armory Building 202, In Person; 3 cr.
50524 002 LEC, 11:15-12:30 TTh, Akerman Hall 319, In Person; 3 cr.
50823 003 LEC, 13:00-14:15 TTh, Akerman Hall 319, In Person; 3 cr.

3027 Human Anatomy for Kinesiology, Physical Activity, and Health Promotion

(A-F or Audit;)
50490 001 LEC, 11:15-12:05 MW, Keller Hall 3-230, In Person; Otto Sanchez ; 4 cr.
50491 002 LAB, 12:20-14:00 W, Mariucci Arena 141, In Person; 4 cr.
50492 003 LAB, 14:30-16:10 W, Mariucci Arena 141, In Person; 4 cr.

50925 004 LAB, 12:20-14:00 M, Mariucci Arena 141, In Person; 4 cr.
50996 005 LAB, 14:30-16:10 M, Mariucci Arena 141, In Person; 4 cr.

3112 Introduction to Biomechanics

(A-F only; Prereq: [PHYS 1101W or PHYS 1201W or PHYS 1221 or PHYS 1301W or PHYS 1401V or 1107], [3027 or 3111 or ANAT 3001 or ANAT 3601 or ANAT 3611 or INMD 3001 or INMD 3601]; 3385 recommended)
50363 001 LEC, 09:05-11:00 T, Smith Hall 231, In Person; Juergen Konczak; 4 cr.
50427 002 LAB, 08:15-09:55 Th, Mariucci Arena 141, In Person; Juergen Konczak; 4 cr.
50428 003 LAB, 10:10-11:50 Th, Mariucci Arena 141, In Person; Juergen Konczak; 4 cr.
50429 004 LAB, 12:05-13:45 Th, Mariucci Arena 141, In Person; Juergen Konczak; 4 cr.
50749 005 LAB, 14:00-15:40 Th, Mariucci Arena 141, In Person; Juergen Konczak; 4 cr.
50956 006 LAB, 16:00-17:40 Th, Mariucci Arena 141, In Person; Juergen Konczak; 4 cr.
51341 007 LAB, 18:00-19:40 Th, Mariucci Arena 141, In Person; Juergen Konczak; 4 cr.

3114 Prevention and Care of Athletic Injuries

(A-F only; Prereq: [3027 or ANAT 3001 or ANAT 3601 or ANAT 3611 or equiv], [CEHD student or instr consent])
50353 001 LEC, 09:45-11:00 MW, Mechanical Engineering 25, In Person; Bridget Sturch; 3 cr.
51293 002 LEC, 11:15-12:30 MW, Burton Hall 125, In Person; Debbie Dalsin; 3 cr.
68697 003 LEC, 11:15-12:30 MW, Akerman Hall 227, In Person; Ronni Beauty-Kollasch; 3 cr.

3126W Sport and Exercise Psychology

(A-F or Audit; Prereq: Kin major or instr consent(WI))
50348 001 LEC, 09:05-09:55 MW, Cooke Hall 215, In Person; Chelsey Thul; 3 cr.
50493 002 DIS, 08:00-08:50 F, Cooke Hall 214, In Person; Chelsey Thul; 3 cr.
50856 003 DIS, 09:05-09:55 F, Cooke Hall 214, In Person; Chelsey Thul; 3 cr.
50936 004 DIS, 10:10-11:00 F, Cooke Hall 214, In Person; Chelsey Thul; 3 cr.
50937 005 LEC, 10:10-11:00 MW, Cooke Hall 206, In Person; Chelsey Thul; 3 cr.
50938 006 DIS, 11:15-12:05 F, Cooke Hall 214, In Person; Chelsey Thul; 3 cr.
51339 007 DIS, 12:20-13:10 F, Cooke Hall 214, In Person; Chelsey Thul; 3 cr.
51340 008 DIS, 13:25-14:15 F, Cooke Hall 214, In Person; Chelsey Thul; 3 cr.

3131W History and Philosophy of Sport

(A-F or Audit; Prereq: Kin major or instr consent(WI))
50342 001 LEC, 14:30-15:45 TTh, Keller Hall 3-210, In Person; Christopher Carroll; 3 cr.

3132 Introduction to Motor Development

Across the Lifespan
(A-F only; Prereq: Kin major or instr consent)
50525 001 LEC, 11:15-12:30 TTh, Tate Hall 105, In Person; Ruth Rath; 3 cr.

3135 Introduction to Motor Learning and Control

(A-F or Audit;)
50341 001 LEC, 09:05-09:55 WF, Rapson Hall 56, In Person; Rachel Hawe; 3 cr.
50939 002 LAB, 09:05-09:55 M, Keller Hall 2-260, In Person; 3 cr.
50940 003 LAB, 10:10-11:00 M, Keller Hall 2-260, In Person; 3 cr.
50941 004 LAB, 11:15-12:05 M, Keller Hall 2-260, In Person; 3 cr.
51352 005 LAB, 12:20-13:10 M, Keller Hall 2-260, In Person; 3 cr.
51353 006 LAB, 13:25-14:15 M, Keller Hall 2-260, In Person; 3 cr.

3136 Mental Skills Training for Sport

(A-F only;)
51606 001 LEC, 09:45-11:00 TTh, Cooke Hall 214, In Person; Andrea Silva; 3 cr.

3327 Teaching Physical Education in the Elementary School

(A-F only;)
50340 001 LEC, 13:25-15:20 T, University Rec Center 320, In Person; Matt Vollum; 2 cr.
50430 002 LEC, 13:25-15:20 W, University Rec Center 320, In Person; Matt Vollum; 2 cr.

3385 Human Physiology

(A-F or Audit; Prereq: [[Kin 3027 or Anat 3001 or Anat 3601 or Anat 3611], Kin or Physical Activity and Health Promotion Major] or instr consent)
50728 001 LEC, 11:15-12:30 TTh, Rapson Hall 45, In Person; Otto Sanchez; 4 cr.
50753 002 LAB, 13:25-14:15 T, Mariucci Arena 141, In Person; Otto Sanchez; 4 cr.
50754 003 LAB, 14:30-15:20 T, Mariucci Arena 141, In Person; Otto Sanchez; 4 cr.
50965 004 LAB, 15:35-16:25 T, Mariucci Arena 141, In Person; Otto Sanchez; 4 cr.

3696 Supervised Practical Experience

(S-N only; Prereq: instr consent)
50355 001 FWK, 00:00-00:00 , , In Person; Colin Rogness; 1-10 cr.
50944 006 FWK, In Person; Colin Rogness; 1-10 cr.
51499 002 FWK, In Person; Tracey Hammell; 1-10 cr.

3982 Research Methods in Kinesiology, Physical Activity, Health Promotion + Sport

(A-F or Audit; Prereq: Kinesiology Major or Physical Activity and Health Promotion Major or Sport Management Major)
51094 001 LEC, 14:30-15:45 MW, Cooke Hall 206, In Person; Emily Kringle; 3 cr.
51095 002 LEC, 13:00-14:15 MW, Cooke Hall 214, In Person; Wanjiang Zhou; 3 cr.
51096 003 LEC, 13:00-14:15 TTh, Cooke Hall 206, In Person; Mohamed Hassan; 3 cr.
51248 004 LEC, 14:30-15:45 TTh, Cooke Hall 206, In Person; Wanjiang Zhou; 3 cr.

3993 Directed Study in Kinesiology

(A-F only;)
50367 010 IND, 00:00-00:00 , , In Person; Tom Stoffregen; 1-10 cr.
50368 013 IND, 00:00-00:00 , , In Person; Diane Wiese-Bjornstal; 1-10 cr.
50502 003 IND, 00:00-00:00 , , In Person; Donald Dengel; 1-10 cr.
50527 002 IND, 00:00-00:00 , , In Person; Lisa Kihl; 1-10 cr.
50745 014 IND, 00:00-00:00 , , In Person; Nicole LaVoi; 1-10 cr.
50770 006 IND, 00:00-00:00 , , In Person; Juergen Konczak; 1-10 cr.
50798 015 IND, 00:00-00:00 , , In Person; Beth Lewis; 1-10 cr.
50943 016 IND, 00:00-00:00 , , In Person; Zan Gao; 1-10 cr.
50960 005 IND, 00:00-00:00 , , In Person; Li Li Ji; 1-10 cr.
51123 001 IND, 00:00-00:00 , , In Person; Daheia Barr-Anderson; 1-10 cr.
51302 004 IND, In Person; Sarah Greising; 1-10 cr.
51366 009 IND, In Person; Vicki Schull; 1-10 cr.
51371 008 IND, In Person; Christopher Lundstrom; 1-10 cr.
51511 007 IND, In Person; Brandi Hoffman; 1-10 cr.
51678 017 IND, In Person; Rachel Hawe; 1-10 cr.
51691 018 IND, In Person; Dunja Antunovic; 1-10 cr.

4133 Perceptual-Motor Control and Learning

(A-F or Audit; Prereq: [3112, 3132, 3135, KIN major] or instr consent)
66220 001 LEC, 11:15-12:30 TTh, Cooke Hall 214, In Person; Tom Stoffregen; 3 cr.

4136 Embodied Cognition

(A-F only; Prereq: 3132 or 3135 or instr consent)
66221 001 LEC, 09:45-11:00 TTh, Cooke Hall 215, In Person; Tom Stoffregen; 3 cr.

4214 Health Promotion

(A-F only;)
51294 001 LEC, 13:00-14:15 TTh, Tate Hall 110, In Person; Stephanie Grace; 3 cr.
51595 002 LEC, 09:45-11:00 MW, Akerman Hall 225, In Person; Stephanie Grace; 3 cr.

4385 Exercise Physiology

(A-F or Audit; Prereq: KIN 3385 or PHSL 3051 and Kinesiology Major or Physical Activity and Health Promotion Major)
50356 001 LEC, 13:25-14:15 MW, Mayo Bldg & Additions C231, In Person; Christiana Raymond-Pope; 4 cr.
50431 002 LAB, 08:00-09:50 W, Mariucci Arena 141, In Person; Christiana Raymond-Pope; 4 cr.
50432 004 LAB, 08:00-09:50 F, Mariucci Arena 141, In Person; Christiana Raymond-Pope; 4 cr.
50433 003 LAB, 10:10-12:00 W, Mariucci Arena 141, In Person; Christiana Raymond-Pope; 4 cr.
50445 005 LAB, 10:10-12:00 F, Mariucci Arena 141, In Person; Christiana Raymond-Pope; 4 cr.

50942 006 LAB, 08:00-09:50 M, Mariucci Arena 141, In Person; Christiana Raymond-Pope; 4 cr.
51113 007 LAB, 10:10-12:00 M, Mariucci Arena 141, In Person; Christiana Raymond-Pope; 4 cr.

4641 Training Theory & Analytics I for Exercise & Sport Performance

(A-F or Audit; Prereq: Enrolled in Kinesiology Major, Physical Activity and Health Promotion Major, Sports Coaching Minor, Physical Activity and Promotion Minor, Sport and Exercise Science M.Ed, Physical Activity and Health M.Ed, or Integrated Degree Program)
50894 001 LEC, 11:15-12:30 MW, Cooke Hall 214, In Person; Christopher Lundstrom; 3 cr.

4687 Principles and Theory of Sports Coaching

(A-F only;)
51354 001 LEC, 16:00-18:30 Th, Akerman Hall 211, In Person; Nicole LaVoi; 3 cr.

5104 Physical Activities for Persons with Disabilities

(A-F or Audit;)
51298 001 LEC, 16:00-17:15 MW, Akerman Hall 211, In Person; Rachel Hawe; 3 cr.

5125 Advances in Physical Activity and Health

(A-F only;)
51297 001 LEC, 10:15-11:30 F, Twin Cities Remote, Completely Online; Zan Gao; 3 cr.

5385 Exercise for Healthy Aging & Disease Prevention and Management

(A-F only; Prereq: Physiology or biology undergrad)
51636 001 LEC, 17:10-18:25 TTh, Cooke Hall 215, In Person; Otto Sanchez; 3 cr.

5601 Sport Management Ethics and Policy

(A-F or Audit; Prereq: MEd or grad student or instr consent)
50526 001 LEC, 15:35-17:55 T, Cooke Hall 214, In Person; Lisa Kihl; 3 cr.

5631 Programming and Promotion in Sport

(A-F or Audit; Prereq: Kin or Rec grad student or instr consent)
51131 001 LEC, 17:30-20:00 Th, Cooke Hall 206, In Person; Clinton Warren, PhD; 3 cr.

5643 Applied Motion Capture and Movement Analysis Technology

(A-F only;)
51593 001 LEC, 14:30-15:45 MW, Cooke Hall 215, In Person; Naveen Elangovan; 3 cr.

5696 Practicum in Kinesiology

(S-N only; Prereq: [Kin MEd or grad student], instr consent)
50497 001 FWK, 00:00-00:00 , , In Person; Lisa Kihl; 1-6 cr.
50879 004 FWK, In Person; Clinton Warren, PhD; 1-6 cr.
50895 003 FWK, 00:00-00:00 , , In Person; Vicki Schull; 1-6 cr.
51370 002 FWK, In Person; Christopher Lundstrom; 1-6 cr.

5723 Psychology of Sport Injury and Rehabilitation

(A-F only; Prereq: Intro psych course)
66222 001 LEC, 09:45-11:00 TTh, Akerman Hall 227, In Person; Diane Wiese-Bjornstal; 3 cr.

5725 Organization and Management of Physical Education and Sport

(A-F only; Prereq: Grad/initial licensure or instr consent)
50911 001 LEC, 14:30-17:00 M, Folwell Hall 5, In Person; Landy Lu; 3 cr.

5736 Sport Performance Psychology

(A-F only;)
66223 001 LEC, 13:00-14:15 TTh, Akerman Hall 227, In Person; Andrea Silva; 3 cr.

5801 Legal Aspects of Sport and Physical Activity

(A-F only;)
67740 001 LEC, 16:10-17:40 W, Twin Cities Remote, Completely Online; John Wallace; 4 cr.

5804 National Collegiate Athletic Association (NCAA) Compliance

(A-F only; Prereq: [Upper div undergrad or grad student] in KIN, instr consent)
50898 001 LEC, 17:40-19:25 M, Cooke Hall 215, In Person; Jeremiah Carter ; 2 cr.

5992 Readings in Kinesiology

(A-F only; Prereq: [KIN upper div undergrad or MEd or grad student], instr consent)
50377 019 IND, 00:00-00:00 , , In Person; Tom Stoffregen ; 1-9 cr.
50378 025 IND, 00:00-00:00 , , In Person; Diane Wiese-Bjornstal ; 1-9 cr.
50503 004 IND, 00:00-00:00 , , In Person; Donald Dengel ; 1-9 cr.
50528 002 IND, 00:00-00:00 , , In Person; Lisa Kihl ; 1-9 cr.
50746 027 IND, 00:00-00:00 , , In Person; Nicole LaVoi ; 1-9 cr.
50771 008 IND, 00:00-00:00 , , In Person; Juergen Konczak ; 1-9 cr.
50797 029 IND, 00:00-00:00 , , In Person; Beth Lewis ; 1-9 cr.
50961 006 IND, 00:00-00:00 , , In Person; Li Li Ji ; 1-9 cr.
51019 045 IND, 00:00-00:00 , , In Person; Zan Gao ; 1-9 cr.
51124 001 IND, 00:00-00:00 , , In Person; Daheia Barr-Anderson ; 1-9 cr.
51301 005 IND, In Person; Sarah Greising ; 1-9 cr.
51367 015 IND, In Person; Vicki Schull ; 1-9 cr.
51372 014 IND, In Person; Christopher Lundstrom ; 1-9 cr.

5995 Research Problems in Applied Kinesiology

(A-F only; Prereq: [Kin upper div undergrad or MEd or grad student], 15 cr of major coursework [including 4981 or 5981], instr consent)
51368 015 IND, 12:20-14:15 M, Mechanical Engineering 221, In Person; Vicki Schull ; 1-6 cr.
51373 014 IND, 12:20-14:15 F, Cooke Hall 206, In Person; Christopher Lundstrom ; 1-6 cr.

Korean (KOR)**1012 Beginning Korean II**

(Student Option No Audit; Prereq: 1011)
52555 001 LEC, 09:05-09:55 MTWThF, Folwell Hall 6, In Person; Meets With: 001 KOR 4002; Fatima Walji Han ; 5 cr.
52812 002 LEC, 10:10-11:00 MTWThF, Folwell Hall 112, In Person; Meets With: 002 KOR 4002; Fatima Walji Han ; 5 cr.
52813 050 LEC, 17:40-20:00 TTh, Twin Cities Remote, Completely Online; Meets With: 050 KOR 4002; Bryce Johnson ; 5 cr.
53599 003 LEC, 11:15-12:05 MTWThF, Folwell Hall 6, In Person; Meets With: 003 KOR 4002; Fatima Walji Han ; 5 cr.
53770 004 LEC, 12:20-13:10 MTWThF, Peik Hall 165, In Person; Meets With: 004 KOR 4002; Bryce Johnson ; 5 cr.
54194 005 LEC, 13:25-14:15 MTWThF, Nicholson Hall 355, In Person; Meets With: 005 KOR 4002; Bryce Johnson ; 5 cr.

3022 Intermediate Korean II

(Student Option No Audit; Prereq: 3021)
52714 001 LEC, 13:25-14:15 MTWThF, Folwell Hall 32, In Person; Meets With: 001 KOR 4004; Suyon Kim ; 5 cr.
53601 050 LEC, 17:30-19:50 TTh, Twin Cities Remote, Completely Online; Meets With: 050 KOR 4004; Sugyung Kim ; 5 cr.
53656 002 LEC, 15:35-16:25 MTWThF, Folwell Hall 120, In Person; Meets With: 002 KOR 4004; Sugyung Kim ; 5 cr.

3032 Third Year Korean II

(Student Option No Audit; Prereq: 3031)
52733 001 LEC, 15:35-17:30 MW, Folwell Hall 10, In Person; Meets With: 001 KOR 4006; Suyon Kim ; 4 cr.

3290 Korean Language Teaching Tutorial

(S-N only; Prereq: Grade of A in 3032)
53323 001 FWK, In Person; Hangtae Cho ; 1 cr.

4002 Beginning Korean II for Graduate Student Research

(Student Option No Audit; Prereq: 4001)
52734 001 LEC, 09:05-09:55 MTWThF, Folwell Hall 6, In Person; Meets With: 001 KOR 1012; Fatima Walji Han ; 5 cr.
52814 002 LEC, 10:10-11:00 MTWThF, Folwell Hall 112, In Person; Meets With: 002 KOR 1012; Fatima Walji Han ; 5 cr.

52815 050 LEC, 17:40-20:00 TTh, Twin Cities Remote, Completely Online; Meets With: 050 KOR 1012; Bryce Johnson ; 5 cr.
53600 003 LEC, 11:15-12:05 MTWThF, Folwell Hall 6, In Person; Meets With: 003 KOR 1012; Fatima Walji Han ; 5 cr.
53771 004 LEC, 12:20-13:10 MTWThF, Peik Hall 165, In Person; Meets With: 004 KOR 1012; Bryce Johnson ; 5 cr.
54195 005 LEC, 13:25-14:15 MTWThF, Nicholson Hall 355, In Person; Meets With: 005 KOR 1012; Bryce Johnson ; 5 cr.

4004 Intermediate Korean II for Graduate Student Research

(Student Option No Audit; Prereq: 4003)
52787 001 LEC, 13:25-14:15 MTWThF, Folwell Hall 32, In Person; Meets With: 001 KOR 3022; Suyon Kim ; 5 cr.
53604 050 LEC, 17:30-19:50 TTh, Twin Cities Remote, Completely Online; Meets With: 050 KOR 3022; Sugyung Kim ; 5 cr.
53657 002 LEC, 15:35-16:25 MTWThF, Folwell Hall 120, In Person; Meets With: 002 KOR 3022; Sugyung Kim ; 5 cr.

4006 Third Year Korean II for Graduate Student Research

(Student Option No Audit; Prereq: 4005)
52992 001 LEC, 15:35-17:30 MW, Folwell Hall 10, In Person; Meets With: 001 KOR 3032; Suyon Kim ; 4 cr.

4042 Advanced Readings in Modern Korean II

(Student Option; Prereq: 4041 or equiv or instr consent)
54315 001 LEC, 09:05-11:00 TTh, Folwell Hall 119, In Person; Hangtae Cho ; 4 cr.

5211 Introductory Classical Chinese I

(Student Option; Prereq: Two years of an East Asian language (Chinese, Japanese, Korean) or equivalent or instr consent)
67830 001 LEC, 09:45-11:00 MW, Nicholson Hall 355, In Person; Meets With: 001 CHN 5211001 JPN 5211; Paul Rouzer ; 3 cr.

5993 Directed Studies

(Student Option No Audit; Prereq: instr consent, dept consent, college consent)
53709 001 IND, In Person; Hangtae Cho ; 1-5 cr.

Laboratory Medicine and Path (LAMP)**4177 Nature of Disease: Pathology for Allied Health Students**

(Student Option; Prereq: One anatomy course, one physiology course, or instr consent)
61135 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Haley Fleckenstein ; 3 cr.

Land and Atmospheric Science (LAAS)**5311 Soil Chemistry and Mineralogy**

(Student Option; Prereq: [[Chem 1022 or equiv], Phys 1102, grad] or instr consent)
56400 001 LEC, 16:30-17:45 MW, Borlaug Hall 365, In Person; Brandy Toner ; 3 cr.

Landscape Architecture (LA)**1201 Learning from the Landscape**

(A-F or Audit; AH,DSJ)
49626 001 LEC, Completely Online; Patrick Nunnally ; 3 cr.

1401 The Designed Environment

(A-F or Audit; AH)
49286 001 LEC, 13:00-14:15 MW, Rapson Hall 43, In Person; Bradley Agee ; 3 cr.
49287 002 DIS, 13:00-14:15 F, Rapson Hall 43, In Person; Bradley Agee ; 3 cr.

1601 Design and Equity

(A-F or Audit; AH,DSJ)
49552 001 LEC, 16:00-17:15 TTh, Bruininks Hall 530B, In Person; Kristine Miller, Jordan Hedlund ; 3 cr.

2302 Computer-Aided Representation for Environmental Design

(Student Option;)
49724 001 LAB, 10:10-11:00 T, Rapson Hall 33, 09:05-09:55 TTh, Rapson Hall 33, In Person; Andrew Beck ; 3 cr.

3002 Informants of Creating Landscape Space

(A-F or Audit;)
49270 001 LEC, 09:05-12:05 MW, 1425 University Ave 75, In Person; Anthony Siebenaler-Ransom ; 4 cr.

3204 Holistic Landscape Ecology and Bioregional Practice

(A-F or Audit;)
49259 001 LEC, 13:00-14:15 TTh, Rapson Hall 58, In Person; Meets With: 001 LA 5204; Laura Musacchio ; 3 cr.

3572 Landscape Construction: Materials, Assemblies and Performance

(A-F or Audit;)
68045 001 DIS, 09:45-11:00 TTh, Nicholson Hall 345, 09:45-11:00 TTh, Nicholson Hall 345, In Person; Yao Xiao, Ben Waldo ; 3 cr.

4002 Design of Urban Landscapes

(A-F only; Prereq: LA 2302, LA 3002)
67599 001 LAB, 15:00-18:00 TTh, Lab TBA, In Person; Vincent deBritto, Bradley Agee ; 4 cr.

4096 Internship in Landscape Design and Planning

(S-N only; Prereq: 1301, 2301, 2302, 3001, 3002, 3003)
49346 001 FWK, 00:00-00:00 , , In Person; Bradley Agee ; 1 cr.

4501 Landscape Analysis

(A-F or Audit;)
68044 001 LEC, 16:00-17:15 MW, Mechanical Engineering 321, 16:00-17:15 MW, Rapson Hall 33, 16:00-17:15 MW, Mechanical Engineering 321, In Person; Michelle Andrews, Brianna Fast ; 3 cr.

5203 Ecological Dimensions of Space Making

(A-F or Audit; Prereq: LA major or instr consent; recommended for both BED and Grad students)
49205 001 LAB, 13:30-17:30 MWF, Rapson Hall 261, In Person; Daniel Shaw ; 6 cr.

5204 Metropolitan Landscape Ecology

(A-F only; Prereq: BED accelerated status or LA grad student or instr consent)
49264 001 LAB, 13:00-14:15 TTh, Rapson Hall 58, In Person; Meets With: 001 LA 3204; Laura Musacchio ; 3 cr.

5377 Representation II

(A-F only; Prereq: Master of Landscape Architecture (MLA) or Accelerated Bachelor of Environmental Design)
49553 001 LAB, 10:10-11:50 Th, Rapson Hall 33, 09:05-09:55 TTh, Lab TBA, In Person; Andrew Beck ; 4 cr.

5401 Directed Studies in Emerging Areas of Landscape Architecture

(Student Option; Prereq: instr consent)
49206 001 IND, 09:05-12:05 F, Rapson Hall 58, In Person; Jonathan Blaseg ; 1-3 cr.

5404 Directed Studies in Landscape Architecture Design

(Student Option; Prereq: instr consent)
49225 002 IND, 09:05-12:05 W, Lab TBA, In Person; Karen Lutsky ; 1-6 cr.

5405 Interdisciplinary Studies in Landscape Architecture

(A-F or Audit; Prereq: instr consent)
49232 001 IND, 00:00-00:00 , , In Person; Karen Lutsky ; 1-6 cr.

5772 Landscape Infrastructure Systems II

(A-F only; Prereq: Master of Landscape Architecture Student, [Accelerated BED Student or instr consent])
49563 001 LAB, 16:00-17:15 TTh, Appleby Hall 219, In Person; Tony Chevalier ; 3 cr.

Language Centr CLA Courseshare (LANG)

1062 Beginning Persian II

(Student Option;)
55616 001 LEC, 11:10-12:30 MTh, Twin Cities Remote,
Completely Online; 4 cr.

1112 Beginning Turkish II

(Student Option;)
55615 001 LEC, 13:00-14:20 MW, Twin Cities Remote,
Completely Online; 4 cr.

1122 Beginning Vietnamese II

(Student Option;)
67832 001 LEC, Completely Online; 4 cr.

1132 Beginning Yiddish II

(Student Option;)
55620 001 LEC, 08:00-09:00 F, Twin Cities Remote,
07:30-09:00 MW, Twin Cities Remote, Completely Online;
4 cr.

1142 Beginning Yoruba II

(Student Option;)
55622 001 LEC, 09:55-10:45 MWF, Twin Cities Remote,
Completely Online; 4 cr.

1182 Beginning Filipino II

(Student Option;)
67949 001 LEC, 11:00-11:50 MTWTh, Twin Cities Remote,
Completely Online; 4 cr.

1232 Beginning Modern Greek II

(Student Option No Audit;)
54786 001 LEC, 09:20-10:40 MTh, Twin Cities Remote,
Completely Online; 4 cr.
55618 002 LEC, 11:10-12:30 MWTh, No Room Required, In
Person; 4 cr.

1252 Beginning Haitian Creole II

(Student Option;)
67831 001 LEC, 13:15-15:15 TTh, Twin Cities Remote,
Completely Online; 4 cr.

1262 Beginning Ukrainian II

(Student Option;)
68039 001 LEC, 09:10-10:10 MTWTh, Twin Cities Remote,
Completely Online; 4 cr.

1422 Beginning Tamil II

(Student Option;)
67946 001 LEC, 11:00-12:20 TTh, Twin Cities Remote,
Completely Online; 2 cr.

1423 Beginning Tamil III

(Student Option;)
67947 001 LEC, 15:30-17:00 TTh, Twin Cities Remote,
Completely Online; 2 cr.

2012 Accelerated Catalan II

(Student Option;)
55619 001 LEC, 11:30-12:20 MWF, Twin Cities Remote,
Completely Online; 2 cr.

2062 Intermediate Persian II

(Student Option No Audit;)
55617 001 LEC, 09:20-10:40 MTh, Twin Cities Remote,
Completely Online; 4 cr.

2112 Intermediate Turkish II

(Student Option;)
68750 001 LEC, 09:20-10:40 MTh, Twin Cities Remote,
Completely Online; 4 cr.

2122 Intermediate Vietnamese II

(Student Option;)
67833 001 LEC, Completely Online; Stephanie Treat ; 4 cr.

2142 Intermediate Yoruba II

(Student Option;)
68751 001 LEC, 09:55-10:45 WF, Twin Cities Remote,
Completely Online; 4 cr.

2162 Intermediate Hungarian II

(Student Option;)
68749 001 LEC, 10:30-11:20 MTWF, Twin Cities Remote,
Completely Online; 4 cr.

2232 Intermediate Modern Greek II

(Student Option No Audit;)
54787 001 LEC, 13:00-14:20 MWTh, Twin Cities Remote,
Completely Online; 4 cr.

**3011 Catalan Culture and Society: Art,
Music, and Cinema**

(Student Option;)
68040 001 LEC, 13:30-14:50 MW, Twin Cities Remote,
Completely Online; 2 cr.

3014 Reading Catalan for Research

Purposes
(Student Option No Audit;)
55606 001 LEC, 15:00-16:20 MW, Twin Cities Remote,
Completely Online; 2 cr.

3122 Advanced Vietnamese II

(Student Option;)
54956 001 LEC, Completely Online; 3 cr.

3232 Advanced Hebrew II: Israeli Music

(Student Option;)
68611 001 LEC, 09:00-10:30 MW, Twin Cities Remote,
Completely Online; 3 cr.

3233 Advanced Modern Greek II

(Student Option No Audit;)
55905 001 LEC, Completely Online; 3 cr.

**3271 Intro to Medieval French & Hist of
French Lang**

(Student Option;)
68588 001 LEC, 10:10-11:30 TTh, Twin Cities Remote,
Completely Online; 3 cr.

3461 Moroccan Arabic

(Student Option;)
68840 001 LEC, 08:00-08:50 F, Twin Cities Remote,
Completely Online; 1 cr.

**3509 Environment and Identity on Korea's
Jeju Island**

(Student Option; Prerequisite. Please contact the
Language Center at elsie@umn.edu or 612-626-6017
with questions.)
67948 001 LEC, 12:00-15:00 Th, Twin Cities Remote,
Completely Online; 3 cr.

5010 Graduate Language Study

(Student Option No Audit;)
68400 001 LEC, 09:20-10:40 MTh, Twin Cities Remote,
Completely Online; 3 cr.

**5221 Introduction to Middle Egyptian &
Hieroglyphics I**

(Student Option No Audit; Prerequisites, previous
education in Ancient Egyptian history and civilization
is recommended. This course is offered as a basic
introduction to that stage in the evolution of the
Egyptian language known as "Middle Egyptian" (used
as a vernacular c. 2300 - 1700 B.C., and as a "literary"
dialect c. 2200 - 1350 B.C.) as revealed and written in
the hieroglyphic script. Please email the Language
Center at elsie@umn.edu for more information.)
67950 001 LEC, 12:35-13:25 TTh, Twin Cities Remote,
Completely Online; 3 cr.

5230 Special Topics in Hebrew Studies

(Student Option;)
68798 001 LEC, 09:00-10:30 TTh, Twin Cities Remote,
Completely Online; 3 cr.
68799 002 LEC, 09:00-10:30 MW, Twin Cities Remote,
Completely Online; 3 cr.

**5271 Intro to Medieval French & Hist of
French Lang**

(Student Option;)
68589 001 LEC, 10:10-11:30 TTh, Twin Cities Remote,
Completely Online; 3 cr.

5451 Introduction to Sumerian

(Student Option;)
68391 001 LEC, 15:35-16:25 TTh, Twin Cities Remote,
Completely Online; 3 cr.

Latin (LAT)**1002 Beginning Latin II**

(Student Option; Prereq: Grade of at least C- or S in
1001 or instr consent)
51947 002 LEC, 09:05-09:55 MTWThF, Folwell Hall 123, In
Person; Anthony Thomas ; 5 cr.
52678 001 LEC, 13:25-14:15 MTWThF, Folwell Hall 31, In
Person; Fade Manley ; 5 cr.

3004 Intermediate Latin Poetry

(Student Option;)

53640 002 LEC, 14:30-15:20 MTWTh, Folwell Hall 116, In
Person; Meets With: 002 LAT 5004; Charles McNamara ; 4
cr.

3993 Directed Studies

(Student Option; Prereq: instr consent and dept
consent)
51958 001 IND, 00:00-00:00 , , In Person; Charles
McNamara ; 1-4 cr.

3994 Directed Research

(Student Option; Prereq: [Greek-Latin or Latin major],
three 3xxx Latin courses Students enrolling in this
directed research course will complete the University's
common Directed Research contract with the faculty
mentor/evaluator. The Faculty member will ensure
academic standards are upheld, including: - the work
proposed is at the appropriate level for the course,
academic in nature, and the student will be involved
intellectually in the project. - the project scope is
reasonable for one semester and the number of credits
specified (42 hours of work per credit) - the faculty
mentor is qualified to serve in this role - assessment
of student learning and grading criteria are clear
and appropriate - the student will be working in a
respectful, inclusive environment. The contract will
include the learning objectives for the course, the
methods that will be employed, and how assessment
will be conducted by the faculty mentor. The contract
must be approved by the DUGS/academic approver of
the major before the student can register.)
52210 001 IND, 00:00-00:00 , , In Person; Charles
McNamara ; 1-4 cr.

**5004 Intermediate Latin Poetry for
Graduate Research**

(Student Option;)
53874 002 LEC, 14:30-15:20 MTWTh, Folwell Hall 116, In
Person; Meets With: 002 LAT 3004; Charles McNamara ; 4
cr.

5200 Advanced Readings in Latin Prose

(Student Option; Prereq: [LAT 3004 or equiv], at least
two yrs of college level Latin. Contact the Classical &
Near Eastern Religions & Cultures department (CNRC)
with any questions.)
68011 001 LEC, 13:00-14:15 TTh, Nicholson Hall 201, In
Person; Charles McNamara ; 3 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent, dept consent)
51959 001 IND, 00:00-00:00 , , In Person; Charles
McNamara ; 1-4 cr.

5994 Directed Research

(Student Option; Prereq: Grad student or instr consent)
51961 001 IND, In Person; Charles McNamara ; 1-12 cr.

5996 Directed Instruction

(Student Option; Prereq: Grad student or instr consent)
51960 001 IND, In Person; Charles McNamara ; 1-12 cr.

Latin American Studies (LAS)**3402W Modern Latin America 1825 to
Present**

(Student Option; GP,WI,HIS)
52920 001 DIS, 10:10-12:05 MW, Blegen Hall 230, In
Person; Meets With: 001 HIST 3402W; Patrick McNamara ;
4 cr.

Law School (LAW)**3000 Introduction to American Law and
Legal Reasoning**

(A-F only;)
60893 001 LEC, 14:30-15:45 MW, Mondale Hall 25, In
Person; Meets With: 001 LAW 5000; Daniel Schwarcz ; 3
cr.

3064 Law, Business, and Human Rights

(A-F only; Prerequisites and students from all
programs are welcome. This class counts toward the
Business Law Minor and the Human Rights and Justice
concentration in Global Studies.)
67859 001 LEC, 08:15-09:30 TTh, Mondale Hall 40, In
Person; Amanda Lyons Bolivar ; 3 cr.

**5000 Introduction to American Law and
Legal Reasoning**

(A-F only;)

60653 001 LEC, 14:30-15:45 MW, Mondale Hall 25, In Person; Meets With: 001 LAW 3000; Daniel Schwarcz ; 3 cr.

5025 Patent Law In Practice**(S-N only;)**

60745 001 LEC, 15:35-16:30 T, Twin Cities Remote, Completely Online; Meets With: 001 LAW 6925; Christopher Turoski ; 1 cr.

5075 Ethics for Patent Agents**(A-F only; Prereq: Master of Science Patent Law Students.)**

60588 001 LEC, 17:45-19:45 T, Mondale Hall N204, In Person; Jay Wahlquist ; 1 cr.

5076 Essentials of Business for Lawyers**(Student Option;)**

60768 001 LEC, 13:25-14:50 MT, Mondale Hall 55, In Person; Charles Meyer, Paul Vaaler ; 3 cr.

5100 Taxation I**(A-F only;)**

60782 001 LEC, 09:05-10:30 MT, Mondale Hall 50, In Person; Meets With: 001 LAW 6100; Kristin Hickman ; 3 cr.

5127 Patent Drafting and Oral Advocacy Competition Team**(A-F only; Prereq or co-req one of the following: Law 5224 Patents, Law 5231 Patent Prosecution I, Law 5243 Patent Research & Writing, or Director of Patent Law Programs permission)**

60783 001 LEC, 16:35-17:30 T, Mondale Hall 15, In Person; Meets With: 001 LAW 7127; Christopher Turoski, Paul Parins ; 1 cr.

5207 Antitrust**(Student Option;)**

67864 001 LEC, 09:05-10:30 MT, Mondale Hall 45, In Person; Meets With: 001 LAW 6207; James Long ; 3 cr.

5214 Insurance Law**(Student Option;)**

60774 001 LEC, 10:40-12:05 MT, Mondale Hall 35, In Person; Meets With: 001 LAW 6214; Daniel Schwarcz ; 3 cr.

5232 Patent Prosecution Practice II**(A-F only; Prereq: Master of Science Patent Law Students only.)**

60584 001 LEC, 15:35-17:35 W, Mondale Hall 15, In Person; Meets With: 001 LAW 6232; Brian Dawley, Ambar Nayate ; 3 cr.

5290 Patent Law Capstone: Innovation**(A-F only;)**

60587 001 LEC, 17:45-19:45 W, Mondale Hall 15, In Person; Meets With: 001 LAW 6490; Michael Dugan, Christopher Frank ; 3 cr.

5601 International Business Transactions**(Student Option;)**

66232 001 LEC, 10:40-12:05 MT, Mondale Hall 65, In Person; Meets With: 001 LAW 6601; Paul Vaaler ; 3 cr.

5629 Patent Field Placement**(S-N only; Prereq or co-req one of the following: Law 5224 Patents, Law 5231 Patent Prosecution I, Law 5243 Patent Research & Writing, or Director of Patent Law Programs permission.)**

60781 001 FWK, In Person; Meets With: 001 LAW 7629; Christopher Turoski ; 1-3 cr.

5707 Intellectual Property Transactions**(A-F only;)**

60586 001 LEC, 15:35-17:35 M, Mondale Hall 55, In Person; Meets With: 001 LAW 6707; Robert Leonard ; 2 cr.

5836 Trade Secret Law**(Student Option;)**

60789 001 LEC, 17:45-19:45 M, Mondale Hall 55, In Person; Meets With: 001 LAW 6836; James Smith, Kirby Lee ; 2 cr.

5908 Independent Research and Writing**(Student Option;)**

60718 001 IND, In Person; Christopher Turoski ; 1-2 cr.

Leadership Education (LEAD)**1961V Personal Leadership in the University****(A-F only; CIV,WI)**

63588 002 LEC, 13:00-14:15 MW, Appleby Hall 204, In Person; David Hellstrom ; 3 cr.

1961W Personal Leadership in the University**(A-F only; CIV,WI)**

63464 004 LEC, 09:45-11:00 MW, Appleby Hall 3, In Person; Tess Hobson ; 3 cr.

63465 008 LEC, 11:15-12:30 MW, Appleby Hall 128, In Person; Andrea Breen ; 3 cr.

63468 007 LEC, 11:15-12:30 MW, Bruininks Hall 131A, In Person; Evonne Bilotta-Burke ; 3 cr.

63469 006 LEC, 09:00-10:15 TTh, Twin Cities Remote, Completely Online; Shaun Walsh ; 3 cr.

63476 010 LEC, 11:15-12:30 TTh, Appleby Hall 128, In Person; Sara Carvell ; 3 cr.

63541 011 LEC, 11:15-12:30 TTh, Appleby Hall 204, In Person; Amanda Temple ; 3 cr.

63551 012 LEC, 13:00-14:15 MW, Coffey Hall 125, In Person; Hal DeLaRosby ; 3 cr.

63561 013 LEC, 13:00-14:15 MW, Appleby Hall 302, In Person; Sonja Kufinec ; 3 cr.

63566 017 LEC, 14:30-15:45 MW, Kolthoff Hall 135, In Person; Evonne Bilotta-Burke ; 3 cr.

63568 019 LEC, 14:30-15:45 TTh, Appleby Hall 204, In Person; Laura Wiesner ; 3 cr.

63572 015 LEC, 13:00-14:15 TTh, Appleby Hall 204, In Person; Adrienne Eldridge ; 3 cr.

63594 016 LEC, 13:00-14:15 TTh, Appleby Hall 102, In Person; Karmit Bulman ; 3 cr.

66302 023 LEC, 10:00-12:30 F, Appleby Hall 204, In Person; Keelin Yenny ; 3 cr.

66303 024 LEC, 18:00-20:30 W, Folwell Hall 31, In Person; Lindsey Torkilsen ; 3 cr.

66304 025 LEC, Completely Online; Tess Hobson ; 3 cr.

66305 026 LEC, Completely Online; Josh Hengemuhle ; 3 cr.

66306 027 LEC, Completely Online; Grant McCormack ; 3 cr.

66307 028 LEC, Completely Online; Kacey Gregerson ; 3 cr.

66308 029 LEC, Completely Online; Jenn Pollard-Win ; 3 cr.

3961 Leadership, You, and Your**Community****(A-F only;)**

63463 003 LEC, 13:00-14:15 TTh, Folwell Hall 5, In Person; Margaret Harris ; 3 cr.

63472 004 LEC, 13:00-14:15 MW, Appleby Hall 102, In Person; Andrea Breen ; 3 cr.

63542 001 LEC, 08:15-09:30 TTh, Appleby Hall 204, In Person; Jennifer Trost ; 3 cr.

63560 005 LEC, 10:00-12:30 F, Appleby Hall 102, In Person; Shaun Walsh ; 3 cr.

66320 006 LEC, 17:30-20:00 T, Appleby Hall 223, In Person; Rebecca Bergner ; 3 cr.

3971 Leadership Minor: Field Experience**(A-F only;)**

63471 001 FWK, 09:45-11:00 MW, Amundson Hall 162, In Person; Merrie Benasutti ; 3 cr.

63543 002 FWK, 17:30-20:00 W, Appleby Hall 204, In Person; Matthew Ladhoff ; 3 cr.

66317 003 FWK, 10:00-12:30 F, ONLINE BLENDED, 10:00-12:30 F, Appleby Hall 128, 10:00-12:30 F, Appleby Hall 128, 10:00-12:30 F, Appleby Hall 128, 10:00-12:30 F, Appleby Hall 128, 10:00-12:30 F, Appleby Hall 128, 10:00-12:30 F, Appleby Hall 128, Partially Online; Rebecca Bergner ; 3 cr.

4961W Leadership for Global Citizenship**(A-F only; GP,WI)**

63466 001 LEC, 09:45-11:00 MW, Appleby Hall 128, In Person; Lisa Kaler ; 3 cr.

63544 003 LEC, 18:30-21:00 M, ONLINE BLENDED, 18:30-21:00 M, Appleby Hall 102, 18:30-21:00 M, Appleby Hall 102, 18:30-21:00 M, Appleby Hall 102, 18:30-21:00 M, Appleby Hall 102, 18:30-21:00 M, Appleby Hall 102, 18:30-21:00 M, Appleby Hall 102, Partially Online; Evan Witt ; 3 cr.

63595 002 LEC, 11:15-12:30 TTh, Appleby Hall 102, In Person; Margaret Harris ; 3 cr.

Linguistics (LING)**1705W World Englishes: The Linguistics of English-based varieties around the globe****(Student Option; GP,WI,SOCS)**

55484 001 LEC, 11:15-12:20 TTh, Mechanical Engineering 321, In Person; Ari Natarina ; 4 cr.

55485 002 DIS, 10:10-11:00 F, Appleby Hall 11, In Person; Ari Natarina ; 4 cr.

3001 Introduction to Linguistics**(Student Option; SOCS)**

52559 001 LEC, 11:15-12:05 MWF, Appleby Hall 103, In Person; Caleb Hicks ; 4 cr.

52560 002 DIS, 11:15-12:05 T, Appleby Hall 303, In Person; 4 cr.

53420 050 LEC, 18:10-19:00 W, Twin Cities Remote, 18:10-19:50 M, Twin Cities Remote, Completely Online; Ellen Lucast ; 4 cr.

53421 051 DIS, 19:10-20:00 W, Twin Cities Remote, Completely Online; Nabila Israt Bohota ; 4 cr.

68714 052 DIS, 19:10-20:00 W, Twin Cities Remote, Completely Online; Irina Zaykovskaya ; 4 cr.

3001H Honors: Introduction to Linguistics**(A-F only; Prereq: Honors student or instr consentSOCS)**

53751 001 LEC, 09:45-11:00 MW, Wulling Hall 220, In Person; Jean-Philippe Marcotte ; 4 cr.

53752 002 DIS, 09:45-10:35 F, Peik Hall 335, In Person; Jean-Philippe Marcotte ; 4 cr.

3052V Honors: Thesis**(A-F only; WI)**

54240 001 DIS, 12:15-15:15 F, Appleby Hall 223, In Person; Meets With: 001 LING 8005001 LING 8888W; Jean-Philippe Marcotte ; 3 cr.

3601 Historical Linguistics**(Student Option; Prereq: 3001 or instr consent)**

52227 001 LEC, 16:00-17:15 TTh, Appleby Hall 11, In Person; Meets With: 001 LING 5601; John Harkness ; 3 cr.

3900 Topics in Linguistics**(Student Option;)**

65836 001 LEC, 13:00-14:15 MW, Hubert H. Humphrey School 30, In Person; Meets With: 001 LING 5900; Michael Kac ; 3 cr.

4201 Syntax I**(Student Option; Prereq: 3001 or 3001H or 5001 or instr consent)**

53206 001 LEC, 09:45-11:00 TTh, Wulling Hall 220, In Person; Morgan Staley ; 3 cr.

4302W Phonology I**(Student Option; Prereq: 3001 or 3001H or 5001 or instr consentWI)**

53207 001 LEC, 11:15-12:30 TTh, Folwell Hall 108, In Person; Anna Lubowicz ; 3 cr.

4901W Capstone Seminar in Linguistics**(S-N only; Prereq: Ling major, [jr or sr]WI)**

52219 001 LEC, 12:15-15:15 F, Wulling Hall 220, In Person; Brian Reese ; 3 cr.

5202 Syntactic Theory II**(Student Option; Prereq: 5201 or instructor consent. LING 5201 is directed towards honors students and graduate students.)**

53734 001 LEC, 09:45-11:00 TTh, Amundson Hall 104, In Person; Diti Bhadra ; 3 cr.

5206 Linguistic Pragmatics**(Student Option; Prereq: [4201 or 5201] or instr consent)**

53614 001 DIS, 14:30-15:45 MW, Appleby Hall 223, In Person; Brian Reese ; 3 cr.

5303 Phonological Theory II**(Student Option; Prereq: 5302 or instr consent. LING 5303 is directed towards honors and graduate students.)**

67284 001 LEC, 11:15-12:30 MW, Ford Hall 170, In Person; Anna Lubowicz ; 3 cr.

5462 Field Research in Spoken Language**(Student Option; Prereq: 3001 or 3001H or 5001 or instr consent)**

54242 001 DIS, 11:15-12:30 MW, Kolthoff Hall 136, In Person; Polly Szatrowski ; 3 cr.

5601 Historical Linguistics**(Student Option; Prereq: 3001 or 3011H or 5001)**

52802 001 LEC, 16:00-17:15 TTh, Appleby Hall 11, In Person; Meets With: 001 LING 3601; John Harkness ; 3 cr.

5801 Introduction to Computational Linguistics**(Student Option; Prereq: [4201 or 5201] or programming experience or instr consent)**

53208 001 LEC, 13:00-14:15 TTh, Appleby Hall 103, In Person; Brian Reese ; 3 cr.

5900 Topics in Linguistics

(Student Option;)

65828 001 LEC, 13:00-14:15 MW, Hubert H. Humphrey School 30, In Person; Meets With: 001 LING 3900; Michael Kac; 3 cr.

5993 Directed Study

(Student Option; Prereq instr consent, dept consent, college consent.)

52218 001 IND, 00:00-00:00 , , In Person; Polly Szatrowski; 1-3 cr.

52608 002 IND, 00:00-00:00 , , In Person; Hooi Ling Soh; 1-3 cr.

52784 004 IND, 00:00-00:00 , , In Person; Brian Reese; 1-3 cr.

52921 005 IND, 00:00-00:00 , , In Person; Claire Halpert; 1-3 cr.

53665 006 IND, 00:00-00:00 , , In Person; Jean-Philippe Marcotte; 1-3 cr.

55153 003 IND, In Person; Diti Bhadra; 1-3 cr.

MN Studies in Intl Devel Prog (MSID)**MSID Program in Thailand (THAI)****Madrid Learning Abroad Program (MADR)****Management (MGMT)****3001 Fundamentals of Management**

(A-F or Audit;)

56920 002 LEC, 08:15-09:30 TTh, Carlson School of Mgmt 1-147, In Person; Kelsey Baumann; 3 cr.

56952 070 LEC, Completely Online; Kelsey Baumann; 3 cr.

57018 001 LEC, 11:15-12:30 MW, Carlson School of Mgmt 1-115, In Person; Jaime Roquebert; 3 cr.

57104 003 LEC, 16:00-17:15 MW, Hanson Hall 1-108, In Person; Janelle Jordan; 3 cr.

3004 Strategic Management

(A-F only; Prereq: CSOM, soph or jr)

57035 001 LEC, 09:45-11:00 TTh, Hanson Hall 1-104, In Person; Xuege (Cathy) Lu; 3 cr.

57036 002 LEC, 08:15-09:30 TTh, Hanson Hall 1-106, In Person; Xuege (Cathy) Lu; 3 cr.

57037 003 LEC, 11:15-12:30 MW, Hanson Hall 1-106, In Person; Janelle Jordan; 3 cr.

57038 004 LEC, 14:30-15:45 TTh, Hanson Hall 1-104, In Person; Xuege (Cathy) Lu; 3 cr.

57150 005 LEC, 13:00-14:15 MW, Hanson Hall 1-104, In Person; Alex Wilson; 3 cr.

57431 006 LEC, 14:30-15:45 MW, Hanson Hall 1-106, In Person; Alex Wilson; 3 cr.

3015 Introduction to Entrepreneurship

(A-F or Audit;)

56993 001 LEC, 10:10-11:50 TTh, Carlson School of Mgmt 2-206, In Person; Sandy Yu; 4 cr.

56994 003 LEC, 14:30-16:10 TTh, Carlson School of Mgmt 2-215, In Person; Michael Nolan; 4 cr.

57001 002 LEC, 12:20-14:00 TTh, Carlson School of Mgmt 2-215, In Person; Sandy Yu; 4 cr.

3039 Intercultural Business Communication

(A-F only; GP)

57096 001 LEC, 11:15-12:30 MW, Carlson School of Mgmt 2-228, In Person; Adam Schrag; 3 cr.

3045 Understanding the International Environment of Firms: International Business

(A-F or Audit; Prereq: MGMT 3001 or 3004)

56942 001 LEC, 14:00-17:20 T, Carlson School of Mgmt 1-123, In Person; Gurneeta Singh; 2 cr.

3061 Leadership in Practice: Everyday Moments of Leadership

(A-F only;)

57509 001 LEC, 09:55-11:35 MW, Carlson School of Mgmt L-126, In Person; Theresa Glomb; 2 cr.

3090 Topics in Leadership

(Student Option;)

67926 001 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-149, In Person; Ameer McDonald; 2-4 cr.

4001 Social Venturing in Action

(A-F only; Prereq: Senior standing)

57074 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-132, In Person; Matthew Ladhoff; 4 cr.

4008 Entrepreneurial Management

(A-F only; Prereq: MGMT 3015 or MGMT 3010 or IBUS 3010)

56967 001 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 2-206, In Person; Alan Fine; 4 cr.

4031 Industry Analysis in a Global Context

(A-F only; Prereq: Mgmt 3004)

57381 001 LEC, 11:50-13:30 TTh, Hanson Hall 1-111, In Person; Jeremy Watson; 2 cr.

4032 Corporate Strategy

(A-F only; Prereq: Mgmt 3004)

57433 001 LEC, 09:55-11:35 MW, Hanson Hall 1-111, In Person; Alex Wilson; 2 cr.

4033 Strategy Implementation

(A-F only; Prereq: Mgmt 3004 or 3001.)

57434 001 LEC, 15:45-17:25 MW, Carlson School of Mgmt 2-224, In Person; Jeffrey Kaufmann; 2 cr.

4035 Mergers & Acquisitions Strategy

(A-F only; Prereq: Mgmt 4032)

57435 001 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-143, In Person; Alex Wilson; 2 cr.

4055 Managing Innovation and Change In Action

(A-F or Audit; Prereq: MGMT 3001 or MGMT 3004 or MGMT 3010 or MGMT 3015)

56992 001 LEC, 14:00-17:20 W, Carlson School of Mgmt L-114, In Person; Gurneeta Singh; 2 cr.

4175W New Business Feasibility and Planning

(A-F only; Prereq: MGMT 3010 or MGMT 3015 or IBUS 3010W)

57070 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt L-118, In Person; Alan Fine; 4 cr.

4505 Senior Seminar in International Business

(A-F only; Prereq: CSOM sr, completed semester abroad, IB major or minor)

57174 001 LEC, 13:45-17:00 Th, Carlson School of Mgmt 2-228, In Person; Svtjetlana Madzar; 2 cr.

5102 StartUp: Customer Development and Testing

(A-F only;)

57268 001 FWK, 15:45-17:25 T, Carlson School of Mgmt 2-233, In Person; Tobin Nord; 2 cr.

Management of Technology (MOT)**4001 Leadership, Professionalism and Business Basics for Engineers**

(A-F only;)

59934 001 LEC, 15:35-17:30 M, Bruininks Hall 512B, In Person; Meets With: 001 MOT 5001; Mark Sanders; 2 cr.

4002 Technically Speaking Leadership Lecture Series

(A-F only;)

68165 001 DIS, 17:30-19:30 Th, Room TBA, In Person; Mark Sanders; 1 cr.

5001 Technological Business Fundamentals

(A-F only; Prereq: Degree seeking or non-degree graduate students)

68164 001 LEC, 15:35-17:30 M, Bruininks Hall 512B, In Person; Meets With: 001 MOT 4001; Mark Sanders; 2 cr.

5991 MOT Independent Study

(S-N or Audit; Prereq: MOT grad student)

60203 001 IND, In Person; 1-3 cr.

Managerial Communications (MCOM)**Manufacturing Operations Mgmt (MM)****3001W Manufacturing in the Global Economy**

(A-F or Audit; Prerequisites: None.WI)

63386 301 LEC, Completely Online; William King; 3 cr.

3305 Advanced 3D Printing for Innovative Business Practices

(A-F or Audit; Prerequisites: None)

63305 001 LEC, 18:00-20:45 T, Keller Hall 2-260, In Person; Mick Kuehn; 3 cr.

Marketing (MKTG)**3001 Principles of Marketing**

(A-F or Audit; Prereq: ECON 1101 or ECON 1165)

56917 001 LEC, 09:45-11:00 MW, Hanson Hall 1-102, In Person; Allison Murn; 3 cr.

56918 002 LEC, 08:15-09:30 MW, Hanson Hall 1-104, In Person; Corey Nelson; 3 cr.

56919 003 LEC, 09:45-11:00 TTh, Hanson Hall 1-102, In Person; Corey Nelson; 3 cr.

56968 070 LEC, Completely Online; Corey Nelson; 3 cr.

56996 004 LEC, 14:30-15:45 MW, Hanson Hall 1-102, In Person; Corey Nelson; 3 cr.

56997 006 LEC, 14:30-15:45 TTh, Hanson Hall 1-102, In Person; Corey Nelson; 3 cr.

57024 005 LEC, 13:00-14:15 TTh, Hanson Hall 1-106, In Person; Meredith Speier; 3 cr.

57087 007 LEC, 16:00-17:15 TTh, Hanson Hall 1-105, In Person; Hankyul Bae; 3 cr.

57439 008 LEC, 16:00-17:15 TTh, Hanson Hall 1-111, In Person; Seul Min Yang; 3 cr.

3005 Introduction to Applying Analytical Tools for Solving Business Problems

(A-F only; Prereq: SCO 2550 or equivalent statistics course)

57333 002 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-143, In Person; Xuefeng Liu; 2 cr.

57353 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 2-224, In Person; Yi Zhu; 2 cr.

57389 003 LEC, 15:45-17:25 MW, Carlson School of Mgmt 2-233, In Person; 2 cr.

3011 Marketing Research

(A-F or Audit; Prereqs: 3001 and BA 2551 or SCO 2550 or equivalent statistics course)

56929 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt L-126, In Person; Wendy Lutter; 4 cr.

56930 002 LEC, 15:45-17:25 MW, Carlson School of Mgmt 1-132, In Person; Byungyeon Kim; 4 cr.

57123 003 LEC, 13:45-15:25 MW, Carlson School of Mgmt 2-224, In Person; Byungyeon Kim; 4 cr.

3041 Buyer Behavior

(A-F or Audit; Prereq: 3001)

56931 001 LEC, 13:45-15:25 TTh, Hanson Hall 1-111, In Person; 4 cr.

57191 002 LEC, 13:45-15:25 MW, Hanson Hall 1-111, In Person; 4 cr.

4031 Sales Management

(A-F or Audit; Prereq: MKTG 3040 or 3041)

57002 001 LEC, 13:45-15:25 TTh, Hanson Hall 1-109, In Person; 4 cr.

4051 Advertising and Promotion

(A-F or Audit; Prereq: MKTG 3011 and MKTG 3041 (or 3010 & 3040) or instructor approval)

56953 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-123, In Person; 4 cr.

4061 Marketing Channels

(A-F or Audit; Prereq: MKTG 3011 and MKTG 3041 (or 3010 & 3040) or instructor approval)

57073 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 2-219, In Person; John Franklin; 4 cr.

4074 Data-Driven Marketing

(A-F only; Prereq: Mktg 3011 (or 3010))

57269 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-135, In Person; Linli Xu; 4 cr.

57309 002 LEC, 11:50-13:30 TTh, Carlson School of Mgmt
1-135, In Person; Linli Xu ; 4 cr.

4076 Digital Marketing

(A-F only; Prereq: Mktg 3011 (or 3010))
57310 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt
1-149, In Person; Allison Murn ; 2 cr.
57441 002 LEC, 11:50-13:30 MW, Carlson School of Mgmt
1-149, In Person; Allison Murn ; 2 cr.

4081W Marketing Strategy

(A-F or Audit; Prereq: Mktg 3011, Mktg 3041, (or Mktg
3010 & Mktg 3040) and 8 Mktg elective credits/WI)
57216 001 LEC, 08:00-09:40 MW, Carlson School of Mgmt
1-127, In Person; Alissa Montbriand ; 4 cr.
57217 002 LEC, 13:45-15:25 MW, Carlson School of Mgmt
L-118, In Person; Irene Nahm ; 4 cr.
57218 003 LEC, 11:50-13:30 TTh, Carlson School of Mgmt
1-127, In Person; Jay Lipe ; 4 cr.
57219 004 LEC, 15:45-17:25 MW, Carlson School of Mgmt
L-118, In Person; Irene Nahm ; 4 cr.

4082W Brand Management

(A-F only; Prereq: Mktg 3010/3011 and Mktg
3040/3041WI)
57222 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt
2-219, In Person; Jay Lipe ; 4 cr.

4090 Marketing Topics

(A-F or Audit;)
67737 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt
1-135, In Person; Vladas Griskevicius ; 2-4 cr.

Martin Luther King, Jr Program (MLK)

1002 CLA First-Year Experience II

(S-N only;)
55293 001 LEC, 14:30-15:45 W, Kolthoff Hall 140, In Person;
Evan Johnson ; 1 cr.
55294 002 LEC, 14:30-15:45 W, Kolthoff Hall 139, In Person;
Charissa Blue ; 1 cr.
55295 003 LEC, 14:30-15:45 W, Kolthoff Hall 138, In Person;
Marisela Rodriguez-Gutierrez ; 1 cr.
55296 004 LEC, 14:30-15:45 W, Wulling Hall 240, In Person;
JoJamba Matthews ; 1 cr.
55297 005 LEC, 14:30-15:45 W, Bruininks Hall 123, In
Person; Zac Arellano ; 1 cr.
55298 006 LEC, 14:30-15:45 W, Kolthoff Hall 137, In Person;
Mayzong Lee ; 1 cr.

Master of Business Admin (MBA)

Master of Development Practice (MDP)

5002 Program Development Workshop

(A-F only; Prereq: MDP grad student or instr consent)
63705 001 DIS, 14:30-15:20 W, Ruttan Hall B36, 13:30-16:00
M, Ruttan Hall B36, In Person; 3 cr.

5005 Qualitative Methods for Development Practice

(A-F only;)
63707 001 LAB, 12:45-14:00 TTh, Blegen Hall 230, In
Person; Amanda Sames ; 3 cr.

5200 Capstone Workshop in Development Practice

(A-F or Audit; Prereq: MDP grad student or instr
consent)
63706 001 LEC, 16:30-19:30 T, Hubert H. Humphrey School
25, In Person; Meets With: 030 PA 8081; David Wilsey ; 3
cr.
64292 002 LEC, 16:40-19:40 T, Hubert H. Humphrey School
184, In Person; Meets With: 008 PA 8081; Mary Curtin ; 3
cr.
67922 003 LEC, 16:40-19:40 T, Hubert H. Humphrey
School 15, In Person; Meets With: 014 PA 8081; Amelia
Shindelar ; 3 cr.

Materials Science (MATS)

2001 Introduction to the Science of Engineering Materials

(A-F only; Prereq: CHEM 1061, CHEM 1065, [MATH
1272 or MATH 1372], PHYS 1301W, CSE student)

58050 001 LEC, 10:10-11:00 MWF, Nicholson Hall 275, In
Person; Bharat Jalan ; 3 cr.

2002 Introduction to the Science of Engineering Materials Laboratory

(A-F only; Prereq: [2001 or concurrent registration is
required (or allowed) in 2001], IT student)
58895 001 LAB, 14:30-17:30 M, Amundson Hall B16, In
Person; Kimberly Kosto ; 1 cr.
58896 002 LAB, 14:30-17:30 T, Amundson Hall B16, In
Person; Kimberly Kosto ; 1 cr.
58897 003 LAB, 14:30-17:30 Th, Amundson Hall B16, In
Person; Kimberly Kosto ; 1 cr.
58898 004 LAB, 14:30-17:30 F, Amundson Hall B16, In
Person; Kimberly Kosto ; 1 cr.

3002 Mass Transport and Kinetics

(A-F or Audit; Prereq: 3001, 3141, [MATH 2373 or
equiv], upper div Mat)
58055 001 LEC, 14:30-15:20 MWF, Akerman Hall 319, In
Person; Russell Holmes ; 3 cr.

3011 Introduction to Materials Science and Engineering

(Student Option; Prereq: CHEM 1061, CHEM 1065,
[MATH 1272 or MATH 1372], PHYS 1302, CSE student)
58284 001 LEC, 14:30-15:20 MWF, Amundson Hall B75, In
Person; Natalie Boehnke ; 3 cr.
58285 003 DIS, 10:10-11:00 T, Keller Hall 2-260, In Person;
Natalie Boehnke ; 3 cr.
68738 002 DIS, 11:15-12:05 T, Ford Hall 115, In Person;
Natalie Boehnke ; 3 cr.

3141 Numerical Methods for Materials Science

(A-F only; Prereq: Math 2374 or equivalent, MatS 3011
(or &) Coreqs: Math 2373 or equivalent, Chem 4502/
Phys 2303)
59697 001 LEC, 09:05-09:55 MWF, Akerman Hall 319, In
Person; Turan Biro ; 3 cr.
59698 002 DIS, 14:30-15:20 T, Amundson Hall 158, In
Person; Turan Biro ; 3 cr.
59699 003 DIS, 15:35-16:25 T, Amundson Hall 158, In
Person; Turan Biro ; 3 cr.

3851W Materials Properties Lab

(A-F or Audit; Prereq: [3801, 3013, MatS upper div] or
dept consent/WI)
58281 001 LEC, 15:35-16:25 MW, Molecular Cellular Biol
2-120, In Person; Michael Manno ; 4 cr.
58282 002 LAB, 08:00-11:00 T, Amundson Hall 47, In
Person; Michael Manno ; 4 cr.
59502 004 LAB, 11:15-14:15 Th, Amundson Hall 47, In
Person; Michael Manno ; 4 cr.
59680 005 LAB, 11:15-14:15 T, Amundson Hall 47, In
Person; Michael Manno ; 4 cr.

4214 Polymers

(A-F or Audit; Prereq: [3011, [3001 or CHEN 3101],
[upper div MatS or ChEn]] or instr consent)
59183 001 LEC, 11:15-12:05 MWF, Bruininks Hall 230, In
Person; Meets With: 001 CHEM 4214001 CHEN 4214;
Frank Bates ; 3 cr.

4223W Polymer Laboratory

(Student Option; WI)
58392 001 LEC, 08:00-08:50 M, Smith Hall 331, In Person;
Meets With: 001 CHEM 4223W001 CHEN 4223W; Marc
Hillmyer ; 2 cr.
58440 002 LAB, 08:00-11:50 T, Smith Hall 249A, In Person;
Meets With: 002 CHEM 4223W002 CHEN 4223W; Marc
Hillmyer ; 2 cr.

4301W Materials Processing

(A-F only; Prereq: 4212, [4214 or concurrent
registration is required (or allowed) in 4214] Upper Div
MatSWI)
58062 001 LEC, 13:25-14:15 MWF, Akerman Hall 319, In
Person; David Poerschke ; 4 cr.
58063 003 LAB, 14:30-17:30 T, Amundson Hall 47, In
Person; David Poerschke ; 4 cr.
58349 004 LAB, 14:30-17:30 W, Amundson Hall 47, In
Person; David Poerschke ; 4 cr.
59308 005 LAB, 13:25-16:25 Th, Lab TBA, In Person; David
Poerschke ; 4 cr.

4400 Senior Design Project

(A-F only; Prereq: Sr MatS major)
58064 001 LEC, 10:10-11:00 T, Mechanical Engineering 212,
10:10-11:00 MWF, Rapson Hall 43, In Person; 3 cr.

4591 Independent Study in Materials Science

(Student Option No Audit; Prereq: Upper div mat sci)
58065 001 IND, 00:00-00:00 , , In Person; Nathan Mara ; 1-3
cr.

4593 Directed Study in Materials Science

(A-F only; Prereq: upper div MatS)
58066 001 IND, 00:00-00:00 , , In Person; Nathan Mara ; 1-4
cr.

4594 Directed Research in Materials Science

(Student Option No Audit; Prereq: Upper div mat sci)
58067 001 IND, 00:00-00:00 , , In Person; Nathan Mara ; 1-3
cr.

5802 Machine Learning for Chemical Sciences and Engineering

(A-F or Audit;)
67262 001 LEC, 08:15-09:30 TTh, Smith Hall 331, In Person;
Meets With: 001 CHEN 5802; Christopher Bartel ; 3 cr.

Mathematics (MATH)

1001 Excursions in Mathematics

(Student Option; Prereq: 3 yrs high school math or
placement exam or [grade of at least C- in PSTL 731 or
732][MATH])
57691 010 LEC, 11:15-12:05 MWF, Vincent Hall 20, In
Person; Mikal Nelson ; 3 cr.
57692 011 DIS, 11:15-12:05 Th, Vincent Hall 1, In Person;
Sujana Ramesh ; 3 cr.

1031 College Algebra and Probability

(Student Option; Prereq: 3 yrs high school math or
satisfactory score on placement exam or grade of at
least C- in [PSTL 731 or PSTL 732 or CI 0832][MATH])
57852 001 LEC, 18:00-19:30 MW, Bruininks Hall 432, In
Person; Ishmael Robinson ; 3 cr.
58348 020 LEC, 13:25-14:15 MWF, Bruininks Hall 131B,
Partially Online; Ishmael Robinson ; 3 cr.
59295 010 LEC, 11:15-12:05 MWF, Bruininks Hall 330,
Partially Online; Mike Weimerskirch ; 3 cr.
60249 003 LEC, Completely Online; Jason Loewen ; 3 cr.

1042 Mathematics of Design

(Student Option; Prereq: Satisfactory score on
placement test or grade of at least C- in [1031 or
1051][MATH])
60392 001 LEC, Completely Online; Mark Kayser ; 4 cr.

1049 Intermediate Algebra Skills

(S-N only;)
66203 001 LEC, 12:20-13:10 Th, Vincent Hall 301, In Person;
1 cr.

1051 Precalculus I

(Student Option; 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 or CI 0832][MATH])
58347 010 LEC, 12:20-13:10 MW, Bruininks Hall 114,
Partially Online; Delia Samuel ; 3 cr.
60250 003 LEC, Completely Online; May An ; 3 cr.
60345 011 DIS, 12:20-13:10 F, Tate Hall 105, In Person;
Delia Samuel ; 3 cr.

1139 College Algebra Skills

(S-N only;)
66204 001 LEC, 15:35-16:25 W, Vincent Hall 207, In Person;
1 cr.

1142 Short Calculus

(Student Option; Prereq: Satisfactory score on
placement test or grade of at least C- in [1031 or
1051][MATH])
57694 001 LEC, 18:00-20:05 MW, Amundson Hall 124, In
Person; Judith Franklin ; 4 cr.
57695 010 LEC, 08:30-09:20 MWF, Ruttan Hall 143, In
Person; Mikal Nelson ; 4 cr.
57696 011 DIS, 08:30-09:20 TTh, McNeal Hall 310, In
Person; Danae Sarahi Galan Covarrubias ; 4 cr.
57697 020 LEC, 14:30-15:20 MWF, Vincent Hall 16, In
Person; Mikal Nelson ; 4 cr.
57698 021 DIS, 14:30-15:20 TTh, Ford Hall 115, In Person;
Danae Sarahi Galan Covarrubias ; 4 cr.
57699 022 DIS, 14:30-15:20 TTh, Ford Hall B15, In Person;
Devraj Duggal ; 4 cr.
57700 023 DIS, 15:35-16:25 TTh, Ford Hall 151, In Person;
Meets With: 024 MATH 1142; Devraj Duggal ; 4 cr.
57701 024 DIS, 15:35-16:25 TTh, Ford Hall 151, In Person;
Meets With: 023 MATH 1142; Devraj Duggal ; 4 cr.
58123 002 LEC, 18:00-20:05 TTh, Amundson Hall 124, In
Person; Judith Franklin ; 4 cr.

60251 003 LEC, Completely Online; Angelina Schenck ; 4 cr.

1149 College Algebra Skills

(S-N only ;)

66207 001 LEC, 11:15-12:05 Th, Vincent Hall 364, In Person; 1 cr.

1151 Precalculus II

(Student Option; Prereq: Satisfactory score on placement exam or grade of at least C- in [1031 or 1051]MATH)

58111 010 LEC, 09:05-09:55 MW, Bruininks Hall 412, Partially Online; Megan McPeak ; 3 cr.
58112 020 LEC, 11:15-12:05 MW, Bruininks Hall 412, Partially Online; Megan McPeak ; 3 cr.
60347 011 DIS, 09:05-09:55 F, Bruininks Hall 412, In Person; Megan McPeak ; 3 cr.
60348 021 DIS, 11:15-12:05 F, Tate Hall 105, In Person; Megan McPeak ; 3 cr.
60512 003 LEC, Completely Online; Anh Hoang ; 3 cr.

1269 Precalculus Skills

(S-N only ;)

66213 001 LEC, 11:15-12:05 Th, Vincent Hall 301, In Person; 1 cr.
66214 002 LEC, 13:25-14:15 Th, Vincent Hall 301, In Person; 1 cr.
66215 003 LEC, 15:35-16:25 Th, Vincent Hall 301, In Person; 1 cr.

1271 Calculus I

(Student Option; Prereq: 4 yrs high school math including trig or satisfactory score on placement test or grade of at least C- in [1151 or 1155]MATH)

57702 001 LEC, 18:00-20:05 MW, Tate Hall B85, In Person; Yorkino Shermatova ; 4 cr.
57703 002 LEC, 18:00-20:05 TTh, Vincent Hall 311, In Person; Kayla Wright ; 4 cr.
57704 010 LEC, 08:00-08:50 MWF, Tate Hall 101, In Person; Tomas Banuelos ; 4 cr.
57705 011 DIS, 08:00-08:50 TTh, Vincent Hall 2, In Person; Sasha Pevzner ; 4 cr.
57706 012 DIS, 08:00-08:50 TTh, Vincent Hall 1, In Person; Carlos Osco Huaricapcha ; 4 cr.
57707 013 DIS, 09:05-09:55 TTh, Tate Hall B85, In Person; Sasha Pevzner ; 4 cr.
57709 030 LEC, 11:15-12:05 MWF, Rapson Hall 100, In Person; Tomas Banuelos ; 4 cr.
57710 031 DIS, 11:15-12:05 TTh, Akerman Hall 327, In Person; Anneke Von Seeger ; 4 cr.
57711 032 DIS, 11:15-12:05 TTh, Akerman Hall 227, In Person; Miranda Moore ; 4 cr.
57712 033 DIS, 11:15-12:05 TTh, Amundson Hall 162, In Person; Joseph Mcdonough ; 4 cr.
57713 034 DIS, 12:20-13:10 TTh, Ford Hall 150, In Person; Anneke Von Seeger ; 4 cr.
57714 040 LEC, 13:25-14:15 MWF, Rapson Hall 100, In Person; Tomas Banuelos ; 4 cr.
57715 041 DIS, 13:25-14:15 TTh, Burton Hall 125, In Person; Carlos Osco Huaricapcha ; 4 cr.
57716 042 DIS, 13:25-14:15 TTh, Ford Hall 150, In Person; Hyekyung Kim ; 4 cr.
57717 043 DIS, 13:25-14:15 TTh, Amundson Hall 158, In Person; Ian Ruohoniemi ; 4 cr.
57718 044 DIS, 14:30-15:20 TTh, Tate Hall 120, In Person; Ian Ruohoniemi ; 4 cr.
58842 035 DIS, 12:20-13:10 TTh, Amundson Hall 162, In Person; Joseph Mcdonough ; 4 cr.
59191 036 DIS, 12:20-13:10 TTh, Amundson Hall 158, In Person; Miranda Moore ; 4 cr.
59297 045 DIS, 14:30-15:20 TTh, Ford Hall 150, In Person; Hyekyung Kim ; 4 cr.
59433 050 LEC, 15:35-16:25 MWF, Tate Hall 101, In Person; Jiaping Wang ; 4 cr.
59434 051 DIS, 15:35-16:25 TTh, Akerman Hall 327, In Person; Connor Bass ; 4 cr.
59435 052 DIS, 15:35-16:25 TTh, Tate Hall B55, In Person; Emily Gullerud ; 4 cr.
59436 053 DIS, 16:40-17:30 TTh, Tate Hall B55, In Person; Emily Gullerud ; 4 cr.
59437 054 DIS, 16:40-17:30 TTh, Tate Hall B45, In Person; Connor Bass ; 4 cr.
60252 003 LEC, Completely Online; Jon Roth ; 4 cr.
68829 004 LEC, Completely Online; 4 cr.

1272 Calculus II

(Student Option; Prereq: [1271 or equiv] with grade of at least C-)

57719 001 LEC, 18:00-20:05 MW, Vincent Hall 211, In Person; Zhengyi Gong ; 4 cr.
57720 010 LEC, 09:05-09:55 MWF, Bruininks Hall 230, In Person; Craig Westerland ; 4 cr.
57721 011 DIS, 09:05-09:55 TTh, Vincent Hall 6, In Person; Sarbartha Bhattacharya ; 4 cr.
57722 012 DIS, 09:05-09:55 TTh, Vincent Hall 211, In Person; Tori Braun ; 4 cr.

57723 013 DIS, 09:05-09:55 TTh, Vincent Hall 113, In Person; Tara Gomes ; 4 cr.
57724 014 DIS, 10:10-11:00 TTh, Appleby Hall 128, In Person; Tori Braun ; 4 cr.
57725 030 LEC, 12:20-13:10 MWF, Bruininks Hall 220, In Person; Trevor Karn ; 4 cr.
57726 031 DIS, 12:20-13:10 TTh, Scott Hall 4, In Person; Cole Willis ; 4 cr.
57727 032 DIS, 12:20-13:10 TTh, Akerman Hall 317, In Person; David Luo ; 4 cr.
57728 033 DIS, 12:20-13:10 TTh, Akerman Hall 211, In Person; Alexis Dasher ; 4 cr.
57729 034 DIS, 13:25-14:15 TTh, Ford Hall B15, In Person; Alexis Dasher ; 4 cr.
57730 040 LEC, 15:35-16:25 MWF, Vincent Hall 16, In Person; Thomas Sundquist ; 4 cr.
57731 041 DIS, 15:35-16:25 TTh, Tate Hall B45, In Person; Cole Willis ; 4 cr.
57732 042 DIS, 15:35-16:25 TTh, Vincent Hall 311, In Person; Salomea Jankovic ; 4 cr.
57733 043 DIS, 16:40-17:30 TTh, Vincent Hall 311, In Person; Salomea Jankovic ; 4 cr.
58797 015 DIS, 10:10-11:00 TTh, Ford Hall B15, In Person; Tara Gomes ; 4 cr.
58798 016 DIS, 10:10-11:00 TTh, Keller Hall 3-230, In Person; Sarbartha Bhattacharya ; 4 cr.
58843 035 DIS, 13:25-14:15 TTh, Ford Hall 130, In Person; David Luo ; 4 cr.
59298 036 DIS, 13:25-14:15 TTh, Keller Hall 3-115, In Person; Cole Willis ; 4 cr.
60253 003 LEC, Completely Online; Michelle Mastrianni ; 4 cr.
68656 004 LEC, Completely Online; Carolyn Stephen ; 4 cr.

1372 CSE Calculus II

(Student Option; Prereq: Grade of at least C- in [1371 or equiv], CSE or pre-Bioproduct/Biosys Engr)

57907 020 LEC, 09:05-09:55 MW, Anderson Hall 250, In Person; Eoin O'Hara ; 4 cr.
57908 022 DIS, 10:10-12:05 Th, Ford Hall 110, 10:10-11:00 T, Vincent Hall 311, In Person; Clara Buck ; 4 cr.
57909 023 DIS, 10:10-12:05 Th, Vincent Hall 311, 11:15-12:05 T, Vincent Hall 311, In Person; Lina Liu ; 4 cr.
57910 024 DIS, 12:20-14:15 Th, Amundson Hall 116, 12:20-13:10 T, Vincent Hall 6, In Person; Jennie Morgan ; 4 cr.
57911 030 LEC, 13:25-14:15 MW, Anderson Hall 350, In Person; Jennie Morgan ; 4 cr.
57912 031 DIS, 10:10-12:05 Th, Vincent Hall 20, 10:10-11:00 T, Vincent Hall 20, In Person; Shengkai Mao ; 4 cr.
57913 032 DIS, 10:10-12:05 Th, Vincent Hall 2, 11:15-12:05 T, Vincent Hall 2, In Person; Eoin O'Hara ; 4 cr.
57914 033 DIS, 12:20-14:15 Th, Mechanical Engineering 25, 12:20-13:10 T, Vincent Hall 211, In Person; Shengkai Mao ; 4 cr.
57915 034 DIS, 12:20-14:15 Th, Vincent Hall 20, 13:25-14:15 T, Mechanical Engineering 221, In Person; Yi Du ; 4 cr.
57916 040 LEC, 14:30-15:20 MW, Tate Hall 105, In Person; Jennie Morgan ; 4 cr.
57917 042 DIS, 10:10-12:05 Th, Ford Hall 130, 10:10-11:00 T, Vincent Hall 207, In Person; Yi Du ; 4 cr.
57918 043 DIS, 12:20-14:15 Th, Mechanical Engineering 221, 12:20-13:10 T, Amundson Hall 124, In Person; Eoin O'Hara ; 4 cr.
58323 044 DIS, 12:20-14:15 Th, Amundson Hall 124, 13:25-14:15 T, Vincent Hall 113, In Person; Mykola Sapronov ; 4 cr.
58396 025 DIS, 14:30-16:25 Th, Amundson Hall 162, 14:30-15:20 T, Vincent Hall 2, In Person; Clara Buck ; 4 cr.
58397 035 DIS, 14:30-16:25 Th, Amundson Hall 158, 15:35-16:25 T, Amundson Hall 162, In Person; Lina Liu ; 4 cr.
58398 045 DIS, 14:30-16:25 Th, Cooke Hall 214, 14:30-15:20 T, Vincent Hall 209, In Person; Mykola Sapronov ; 4 cr.

1572H Honors Calculus II

(A-F only; Prereq: 1571H, honors student, permission of University Honors Program)

57927 010 LEC, 10:10-11:00 MWF, Vincent Hall 211, In Person; Pei-Ken Hung ; 4 cr.
57928 011 DIS, 10:10-11:00 TTh, Ford Hall B80, In Person; Kaelyn Willingham ; 4 cr.

2142 Elementary Linear Algebra

(Student Option; Prerequisites: MATH 1272 or equivalent)

60254 010 LEC, 11:15-12:05 MWF, Nicholson Hall 125, In Person; Greg Anderson ; 4 cr.

60255 011 DIS, 10:10-11:00 TTh, Amundson Hall 162, In Person; Naomi Burks ; 4 cr.
60256 012 DIS, 11:15-12:05 TTh, Amundson Hall 158, In Person; Naomi Burks ; 4 cr.

2241 Mathematical Modeling of Biological Systems

(Student Option; Prereq: [1241 or 1271 or 1371] w/ grade of at least C-)

59695 001 DIS, 11:15-12:30 MW, Bruininks Hall 530A, In Person; Jodin Morey ; 3 cr.

2243 Linear Algebra and Differential Equations

(Student Option; Prereq: [1272 or 1282 or 1372 or 1572] w/grade of at least C-)

57735 001 LEC, 18:00-20:05 MW, Vincent Hall 113, In Person; Stefano Decio ; 4 cr.
57736 010 LEC, 12:20-13:10 MWF, Tate Hall 101, In Person; Ionut Ciocan-Fontanine ; 4 cr.
57737 011 DIS, 11:15-12:05 TTh, Koltthoff Hall 136, In Person; Christine Brasic ; 4 cr.
57738 013 DIS, 11:15-12:05 TTh, Vincent Hall 209, In Person; Meets With: 012 MATH 2243; Lee Trent ; 4 cr.
57739 014 DIS, 12:20-13:10 TTh, Vincent Hall 209, In Person; Lee Trent ; 4 cr.
57740 020 LEC, 15:35-16:25 MWF, Lind Hall L125, In Person; Wonjun Lee ; 4 cr.
57741 021 DIS, 14:30-15:20 TTh, Vincent Hall 211, In Person; Meets With: 022 MATH 2243; Eli Schlossberg ; 4 cr.
57742 022 DIS, 14:30-15:20 TTh, Vincent Hall 211, In Person; Meets With: 021 MATH 2243; Eli Schlossberg ; 4 cr.
57743 023 DIS, 15:35-16:25 TTh, Vincent Hall 207, In Person; Eli Schlossberg ; 4 cr.
59235 012 DIS, 11:15-12:05 TTh, Vincent Hall 209, In Person; Meets With: 013 MATH 2243; Lee Trent ; 4 cr.
59287 015 DIS, 12:20-13:10 TTh, Vincent Hall 207, In Person; Christine Brasic ; 4 cr.
60169 003 LEC, Completely Online; Devadatta Ganesh Hegde ; 4 cr.

2263 Multivariable Calculus

(Student Option; Prereq: [1272 or 1372 or 1572] w/ grade of at least C-)

57744 001 LEC, 18:00-20:05 MW, Vincent Hall 311, In Person; Dorian Smith ; 4 cr.
57745 010 LEC, 11:15-12:05 MWF, Tate Hall 101, In Person; Lingfei Yi ; 4 cr.
57746 012 DIS, 11:15-12:05 TTh, Vincent Hall 113, In Person; Guodong Xi ; 4 cr.
57747 013 DIS, 12:20-13:10 TTh, Vincent Hall 113, In Person; Guodong Xi ; 4 cr.
57748 014 DIS, 12:20-13:10 TTh, Ford Hall 110, In Person; Shengzhen Ning ; 4 cr.
57749 020 LEC, 13:25-14:15 MWF, Nicholson Hall 275, In Person; Vladimir Sverak ; 4 cr.
57750 021 DIS, 13:25-14:15 TTh, Amundson Hall 156, In Person; Dorian Smith ; 4 cr.
57751 022 DIS, 13:25-14:15 TTh, Vincent Hall 6, In Person; Liam Keenan ; 4 cr.
57752 023 DIS, 13:25-14:15 TTh, Vincent Hall 211, In Person; Sylvester Zhang ; 4 cr.
58395 011 DIS, 11:15-12:05 TTh, Vincent Hall 211, In Person; Shengzhen Ning ; 4 cr.
59234 024 DIS, 14:30-15:20 TTh, Vincent Hall 311, In Person; Sylvester Zhang ; 4 cr.
59288 025 DIS, 14:30-15:20 TTh, Vincent Hall 20, In Person; Liam Keenan ; 4 cr.
60170 003 LEC, Completely Online; Jon Roth ; 4 cr.

2373 CSE Linear Algebra and Differential Equations

(Student Option; Prereq: [1272 or 1282 or 1372 or 1572] w/grade of at least C-, CSE or pre-Bio Prod/Biosys Engr)

58181 010 LEC, 09:05-09:55 MW, Blegen Hall 10, In Person; Max Engelstein ; 4 cr.
58182 012 DIS, 10:10-11:00 Th, Vincent Hall 207, 09:05-09:55 TTh, Amundson Hall 162, In Person; Irene Noharinaivo, Daniel Miao ; 4 cr.
58183 013 DIS, 11:15-12:05 Th, Vincent Hall 207, 10:10-11:00 TTh, Appleby Hall 303, In Person; Terrence Stanley, Daniel Miao ; 4 cr.
58184 014 DIS, 12:20-13:10 Th, Vincent Hall 2, 11:15-12:05 TTh, Appleby Hall 319, In Person; Elise Catania, Daniel Miao ; 4 cr.
58185 020 LEC, 11:15-12:05 MW, Nicholson Hall 275, In Person; Terrence Stanley ; 4 cr.
58186 021 DIS, 09:05-09:55 T, Vincent Hall 311, 08:00-08:50 TTh, Vincent Hall 206, In Person; Pouya Layeghi, Shaohan Li ; 4 cr.
58187 022 DIS, 10:10-11:00 T, Vincent Hall 206, 09:05-09:55 TTh, Koltthoff Hall 137, In Person; Pouya Layeghi, Shaohan Li ; 4 cr.
58901 015 DIS, 13:25-14:15 Th, Vincent Hall 209, 12:20-13:10 TTh, Ford Hall 127, In Person; Elise Catania, Mathieu De Langis ; 4 cr.
59087 023 DIS, 11:15-12:05 T, Vincent Hall 206, 10:10-11:00 TTh, Appleby Hall 3, In Person; Sagnik Mukherjee, Shaohan Li ; 4 cr.

59208 024 DIS, 12:20-13:10 T, Burton Hall 125, 11:15-12:05 TTh, Kolthoff Hall 139, In Person; Sagnik Mukherjee, Shaohan Li; 4 cr.

59865 011 DIS, 09:05-09:55 Th, Vincent Hall 301, 08:00-08:50 TTh, Vincent Hall 301, In Person; Irene Noharinaivo, Daniel Miao; 4 cr.

59866 025 DIS, 13:25-14:15 T, Vincent Hall 209, 12:20-13:10 TTh, Kolthoff Hall 139, In Person; Kaelyn Willingham, Mathieu De Langis; 4 cr.

59986 030 LEC, 14:30-15:20 MW, Tate Hall 101, In Person; Terrence Stanley; 4 cr.

59987 031 DIS, 14:30-15:20 T, Vincent Hall 207, 13:25-14:15 TTh, Amundson Hall 120, In Person; Zhaolin Li, Heejune Kim; 4 cr.

59988 032 DIS, 15:35-16:25 T, Kolthoff Hall 139, 14:30-15:20 TTh, Tate Hall B55, In Person; Zhaolin Li, Heejune Kim; 4 cr.

59989 033 DIS, 16:40-17:30 T, Vincent Hall 207, 15:35-16:25 TTh, Kolthoff Hall 140, In Person; Shuo Zhang, Heejune Kim; 4 cr.

59990 034 DIS, 17:45-18:35 T, Vincent Hall 301, 16:40-17:30 TTh, Vincent Hall 301, In Person; Shuo Zhang, Heejune Kim; 4 cr.

2374 CSE Multivariable Calculus and Vector Analysis

(Student Option; Prereq: [1272 or 1282 or 1372 or 1572] w/grade of at least C-, CSE or pre-Bioproduct/Biosys Engr)

57920 012 DIS, 10:10-11:00 Th, Vincent Hall 206, 09:05-09:55 TTh, Amundson Hall 156, In Person; Cheng Chen, Zhanbing Dai; 4 cr.

57921 013 DIS, 11:15-12:05 Th, Vincent Hall 206, 10:10-11:00 TTh, Appleby Hall 11, In Person; Cheng Chen, Zhanbing Dai; 4 cr.

57922 020 LEC, 13:25-14:15 WF, Murphy Hall 130, In Person; Tyler Lawson; 4 cr.

57923 021 DIS, 14:30-15:20 Th, Vincent Hall 207, 13:25-14:15 TTh, Amundson Hall 162, In Person; Grace Zhang, Peihang Wu; 4 cr.

57924 022 DIS, 15:35-16:25 Th, Kolthoff Hall 139, 14:30-15:20 TTh, Tate Hall B45, In Person; Grace Zhang, Peihang Wu; 4 cr.

57925 023 DIS, 16:40-17:30 Th, Vincent Hall 207, 15:35-16:25 TTh, Vincent Hall 209, In Person; Wenjie Lu, Peihang Wu; 4 cr.

57926 024 DIS, 17:45-18:35 Th, Vincent Hall 206, 16:40-17:30 TTh, Vincent Hall 206, In Person; Wenjie Lu, Peihang Wu; 4 cr.

58188 014 DIS, 12:20-13:10 Th, Vincent Hall 1, 11:15-12:05 TTh, Amundson Hall 124, In Person; Shrivathsa Pandelu, Zhanbing Dai; 4 cr.

58327 010 LEC, 09:05-09:55 WF, Vincent Hall 16, In Person; Tyler Lawson; 4 cr.

58942 015 DIS, 13:25-14:15 Th, Vincent Hall 207, 12:20-13:10 TTh, Amundson Hall 156, In Person; Shrivathsa Pandelu, Zhanbing Dai; 4 cr.

2574H Honors Calculus IV

(A-F only; Prereq: Math 1572H or Math 2573H, honors student and permission of University Honors Program)

58189 010 LEC, 10:10-11:00 MWF, Akerman Hall 209, In Person; Tsao-Hsien Chen; 4 cr.

59265 013 DIS, 10:10-11:00 TTh, Kolthoff Hall 134, In Person; Marshall Smith; 4 cr.

59338 014 DIS, 10:10-11:00 TTh, Vincent Hall 6, In Person; Drake Clark; 4 cr.

60257 012 DIS, 09:05-09:55 TTh, Vincent Hall 20, In Person; Marshall Smith; 4 cr.

3283W Sequences, Series, and

Foundations: Writing Intensive
(Student Option; 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-W)

58155 010 LEC, 09:05-09:55 MWF, Rapson Hall 100, In Person; Anar Akhmedov; 4 cr.

58928 012 DIS, 09:05-09:55 TTh, Vincent Hall 209, In Person; Zane Huttinga; 4 cr.

58929 013 DIS, 09:05-09:55 TTh, Vincent Hall 207, In Person; Meets With: 014 MATH 3283W; E Koenig; 4 cr.

59278 014 DIS, 09:05-09:55 TTh, Vincent Hall 207, In Person; Meets With: 013 MATH 3283W; E Koenig; 4 cr.

59590 016 DIS, 10:10-11:00 TTh, Vincent Hall 211, In Person; Meagan Kenney; 4 cr.

60258 018 DIS, 10:10-11:00 TTh, Vincent Hall 209, In Person; Mahrud Sayrafi; 4 cr.

60259 017 DIS, 10:10-11:00 TTh, Vincent Hall 113, In Person; Anastasia Nathanson; 4 cr.

3593H Honors Mathematics II

(A-F or Audit; Prereq: 3592H or instr consent)

58379 010 LEC, 10:10-11:00 MWF, Vincent Hall 213, In Person; Markus Keel; 5 cr.

58380 011 DIS, 10:10-11:00 TTh, Vincent Hall 301, In Person; Shan Chen; 5 cr.

4065 Theory of Interest

(A-F only; Prereq: 1272 or 1372 or 1572)

57847 001 LEC, 10:10-12:05 MW, Tate Hall B85, In Person; Katherine Kovarik; 4 cr.

59280 002 LEC, 12:20-14:15 MW, Amundson Hall 158, In Person; Katherine Kovarik; 4 cr.

4067W Actuarial Mathematics in Practice

(A-F only; Prereq: 4065, ACCT 2050, ECON 1101, ECON 1102WI)

59346 001 LEC, 17:00-19:30 W, Bruininks Hall 530B, In Person; Doreen Vescelius; 3 cr.

4152 Elementary Mathematical Logic

(Student Option; Prereq: one soph math course or instr consent)

60043 001 LEC, 10:10-11:00 MWF, Vincent Hall 113, In Person; Karel Prikry; 3 cr.

4242 Applied Linear Algebra

(Student Option; Prereq: 2243 or 2373 or 2573)

58346 002 LEC, 12:20-13:10 MWF, Burton Hall 120, In Person; Karel Prikry; 4 cr.

58736 001 LEC, 10:10-11:00 MWF, Burton Hall 120, In Person; Jack Conn; 4 cr.

59289 003 LEC, 13:25-14:15 MWF, Tate Hall 110, In Person; Michael Perlman; 4 cr.

59327 004 LEC, 14:30-15:20 MWF, Civil Engineering Bldg 212, In Person; Michael Perlman; 4 cr.

4281 Introduction to Modern Algebra

(Student Option; Prereq: 2283 or 3283 or instr consent)

58381 001 LEC, 10:10-11:00 MWF, Vincent Hall 311, In Person; Steven Sperber; 4 cr.

59438 002 LEC, 11:15-12:05 MWF, Vincent Hall 2, In Person; Tian-Jun Li; 4 cr.

4428 Mathematical Modeling

(Student Option; Prereq: 2243 or 2373 or 2573)

57956 001 LEC, 10:10-11:00 MWF, Vincent Hall 20, In Person; Lili Yan; 4 cr.

59519 002 LEC, 12:20-13:10 MWF, Vincent Hall 1, In Person; Lili Yan; 4 cr.

4471W Mathematics for Social Justice

(A-F only; Prereq: Math 1272 or instructor consent WI)

66443 001 LEC, 11:15-12:30 WF, Bruininks Hall 530B, In Person; Christine Berkesch; 4 cr.

4512 Differential Equations with

Applications

(Student Option; Prereq: 2243 or 2373 or 2573)

57948 001 LEC, 10:10-11:00 MWF, Vincent Hall 2, In Person; Mikhail Safonov; 3 cr.

59349 002 LEC, 13:25-14:15 MWF, Vincent Hall 113, In Person; Mikhail Safonov; 3 cr.

4567 Applied Fourier Analysis

(Student Option; Prereq: 2243 or 2373 or 2573)

57957 001 LEC, 13:25-14:15 MWF, Vincent Hall 209, In Person; William Leeb; 4 cr.

59350 002 LEC, 15:35-16:25 MWF, Vincent Hall 209, In Person; Dennis Hejhal; 4 cr.

4604 Advanced Calculus II

(Student Option; Prereq: 4603 or 5615 or instr consent)

59313 001 LEC, 09:05-11:00 TTh, Akerman Hall 211, In Person; Scot Adams; 4 cr.

4653 Elementary Probability

(Student Option; Prereq: [2263 or 2374 or 2573]; [2283 or 2574 or 3283] recommended)

58875 001 LEC, 10:10-12:05 TTh, Appleby Hall 219, In Person; Rick Moeckel; 4 cr.

4707 Introduction to Combinatorics and Graph Theory

(Student Option; Prereq: 2243, [2283 or 3283])

58331 001 LEC, 14:30-16:25 MW, Vincent Hall 1, In Person; Lilly Webster; 4 cr.

4991 Independent Study

(Student Option;)

58114 001 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.

58914 002 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.

59285 003 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.

4992 Directed Reading

(Student Option;)

58115 001 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.

59090 002 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.

60179 003 IND, In Person; ; 1-4 cr.

4993 Directed Study

(Student Option;)

58116 001 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.

4995 Senior Project for CLA

(A-F or Audit; Prereq: 2 sem of upper div math, dept consent)

58328 001 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58845 004 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58846 003 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58847 002 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58848 005 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

59291 006 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

59294 007 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

60162 008 IND, In Person; 1 cr.

60183 009 IND, In Person; 1 cr.

60185 010 IND, In Person; 1 cr.

60192 011 IND, In Person; 1 cr.

60205 012 IND, In Person; 1 cr.

60209 013 IND, In Person; 1 cr.

60213 014 IND, In Person; 1 cr.

60216 015 IND, In Person; 1 cr.

60218 016 IND, In Person; 1 cr.

60219 017 IND, In Person; 1 cr.

60220 018 IND, In Person; 1 cr.

60223 019 IND, In Person; 1 cr.

60224 020 IND, In Person; ; 1 cr.

60225 021 IND, In Person; 1 cr.

60229 022 IND, In Person; ; 1 cr.

4997W Senior project (Writing Intensive)

(A-F or Audit; Prereq: 2 sem upper div math, dept consentWI)

58329 001 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58849 008 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58850 007 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58851 006 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58852 005 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58853 004 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58854 003 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58855 002 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

58916 009 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

59157 010 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

59293 011 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

60152 012 IND, In Person; 1 cr.

60153 013 IND, In Person; 1 cr.

60154 014 IND, In Person; 1 cr.

60155 015 IND, In Person; 1 cr.

60156 016 IND, In Person; 1 cr.

60157 017 IND, In Person; 1 cr.

60158 018 IND, In Person; 1 cr.

60160 019 IND, In Person; 1 cr.

60161 020 IND, In Person; 1 cr.

60174 021 IND, In Person; 1 cr.

60175 022 IND, In Person; 1 cr.

60181 023 IND, In Person; 1 cr.

60182 024 IND, In Person; 1 cr.

60188 025 IND, In Person; 1 cr.

60190 026 IND, In Person; 1 cr.

60193 027 IND, In Person; 1 cr.

60196 028 IND, In Person; 1 cr.

60204 029 IND, In Person; 1 cr.

60206 030 IND, In Person; 1 cr.

60210 031 IND, In Person; 1 cr.

60215 032 IND, In Person; 1 cr.

60217 033 IND, In Person; 1 cr.
60221 034 IND, In Person; 1 cr.
60228 035 IND, In Person; 1 cr.

5068 Actuarial Mathematics II

(Student Option; Prereq: 5067)
57858 001 LEC, 12:20-14:15 MW, Ford Hall 150, In Person;
Breanne Richins ; 4 cr.

5248 Cryptology and Number Theory

(Student Option; Prereq: 2 sems soph math)
58856 001 LEC, 13:00-14:15 MW, Vincent Hall 211, In
Person; Hannah Burson ; 4 cr.
59351 002 LEC, 14:30-15:45 MW, Vincent Hall 211, In
Person; Hannah Burson ; 4 cr.

5251 Error-Correcting Codes, Finite Fields, Algebraic Curves

(Student Option; Prereq: 2 sems soph math)
57949 001 LEC, 16:00-17:15 MW, Vincent Hall 311, In
Person; Adrian Diaconu ; 4 cr.

5286H Honors: Fundamental Structures of Algebra II

(Student Option; Prereq: 5285)
57935 001 LEC, 10:10-11:00 MWF, Vincent Hall 1, In
Person; Monica Lewis ; 4 cr.

5378 Differential Geometry

(Student Option; Prereq: [2263 or 2374 or 2573], [2243
or 2373 or 2574]; [2283 or 3283] recommended)
57955 001 LEC, 14:30-15:20 MWF, Vincent Hall 207, In
Person; Tian-Jun Li ; 4 cr.

5385 Introduction to Computational

Algebraic Geometry
(Student Option; Prereq: [2263 or 2374 or 2573], [2243
or 2373 or 2574])
59233 001 LEC, 14:30-15:45 MW, Vincent Hall 206, In
Person; Ionut Ciocan-Fontanine ; 4 cr.

5445 Mathematical Analysis of Biological Networks

(Student Option; Prereq: Linear algebra, differential
equations)
59527 001 LEC, 13:00-14:15 TTh, Vincent Hall 206, In
Person; Jay Stotsky ; 4 cr.

5486 Introduction To Numerical Methods II

(Student Option; Prereq: 5485)
58113 001 LEC, 13:25-14:15 MWF, Vincent Hall 20, In
Person; Kunlun Qi ; 4 cr.

5490 Topics in Applied Mathematics

(Student Option;)
67662 001 LEC, 13:00-14:40 MW, Vincent Hall 6, In Person;
Jeff Calder ; 4 cr.
67733 002 LEC, 10:10-12:05 MW, Ford Hall 151, In Person;
Gary Hatfield ; 4 cr.

5525 Introduction to Ordinary Differential Equations

(Student Option; Prereq: [2243 or 2373 or 2573], [2283
or 2574 or 3283])
58358 001 LEC, 11:15-12:05 MWF, Vincent Hall 209, In
Person; Arnd Scheel ; 4 cr.

5588 Elementary Partial Differential

Equations II
(A-F or Audit; Prereq: [[2243 or 2373 or 2573], [2263 or
2374 or 2574], 5587] or instr consent)
58157 001 LEC, 14:30-15:45 TTh, Vincent Hall 206, In
Person; Carme Calderer ; 4 cr.

5616H Honors: Introduction to Analysis II

(Student Option; Prereq: 5615)
57946 001 LEC, 12:20-13:10 MWF, Vincent Hall 206, In
Person; Daniel Spirn ; 4 cr.
57947 002 LEC, 14:30-15:20 MWF, Vincent Hall 209, In
Person; Jack Conn ; 4 cr.

5651 Basic Theory of Probability and

Statistics
(Student Option; Prereq: [2263 or 2374 or 2573], [2243
or 2373]; [2283 or 2574 or 3283] recommended.)
57958 001 LEC, 10:10-12:05 TTh, Burton Hall 123, In
Person; Sergey Bobkov ; 4 cr.
58190 002 LEC, 10:10-12:05 TTh, Mechanical Engineering
221, In Person; Jasmine Foo ; 4 cr.
59352 003 LEC, 14:30-16:25 TTh, Appleby Hall 303, In
Person; Sergey Bobkov ; 4 cr.

5652 Introduction to Stochastic Processes

(Student Option; Prereq: 5651 or Stat 5101)
57959 001 LEC, 10:10-12:05 MW, Vincent Hall 6, In Person;
Arnab Sen ; 4 cr.
59353 002 LEC, 12:20-14:15 MW, Tate Hall B85, In Person;
Arnab Sen ; 4 cr.

5707 Graph Theory and Non-enumerative Combinatorics

(Student Option; Prereq: [2243 or 2373 or 2573],
[2263 or 2374 or 2574]; [2283 or 3283] or experience in
writing proofs) highly recommended; Credit will not be
granted if credit has been received for: 4707)
57936 001 LEC, 11:15-13:10 MW, Akerman Hall 211, In
Person; Victor Reiner ; 4 cr.

5900 Tutorial in Advanced Mathematics

(A-F or Audit;)
58332 001 IND, In Person; 1-6 cr.
59286 002 IND, 00:00-00:00 , In Person; 1-6 cr.

Mathematics Education (MTHE)

3101 Mathematics and Pedagogy for Elementary Teachers I

(A-F or Audit; Prereq: [College algebra, elementary
FOE or Early Childhood student, jr status or above] or
instr consent)
51329 001 LEC, 11:45-13:00 MW, Lrng & Environmental Sci
139B, In Person; Alyssa Kasahara ; 3 cr.

3102 Mathematics and Pedagogy for Elementary Teachers II

(A-F or Audit; Prereq: 3101, college algebra)
50740 001 LEC, 08:45-10:00 MW, Lrng & Environmental Sci
139B, In Person; 3 cr.
50861 002 LEC, 13:30-14:45 TTh, Lrng & Environmental Sci
139B, In Person; Terrence Wyberg ; 3 cr.

5031 Geometric Structures in School Mathematics

(Student Option; Prereq: Enrollment in math initial
licensure program)
50394 001 LEC, 13:30-16:15 TTh, Lrng & Environmental Sci
139A, In Person; Foster Graif ; 3 cr.

5366 Technology-Assisted Mathematics Instruction

(Student Option;)
51572 001 LEC, 16:40-19:20 T, Lrng & Environmental Sci
139B, In Person; 3 cr.

5696 Student Teaching in Mathematics

(S-N only; Prereq: MEd/initial licensure student or instr
consent)
50419 001 FWK, 17:00-19:00 W, Lrng & Environmental Sci
139B, 17:00-19:00 W, Lrng & Environmental Sci 139B,
17:00-19:00 W, Lrng & Environmental Sci 139B, In Person;
Terrence Wyberg, ; 1-8 cr.

5993 Directed Studies in Mathematics Education

(S-N or Audit; Prereq: Math ed MEd student, instr
consent)
50420 001 IND, In Person; 2 cr.

Mechanical Engineering (ME)

3221 Fundamentals of Design & Manufacturing

(A-F or Audit; Prereq: 2011, AEM 3031, MatS 2001)
58035 001 LEC, 12:20-13:10 MWF, Bruininks Hall 412, In
Person; Daniel Escobar Naranjo ; 4 cr.
58036 004 LAB, 10:10-12:05 T, Mechanical Engineering 50,
In Person; 4 cr.
58038 006 LAB, 14:30-16:25 T, Mechanical Engineering 50,
In Person; 4 cr.
58039 008 LAB, 10:10-12:05 W, Mechanical Engineering 50,
In Person; 4 cr.
58040 009 LAB, 14:30-16:25 W, Mechanical Engineering 50,
In Person; 4 cr.
58132 011 LAB, 10:10-12:05 Th, Mechanical Engineering 50,
In Person; 4 cr.
58133 012 LAB, 12:20-14:15 Th, Mechanical Engineering 50,
In Person; 4 cr.
58134 013 LAB, 14:30-16:25 Th, Mechanical Engineering 50,
In Person; 4 cr.

58306 016 DIS, 08:00-09:55 M, Akerman Hall 215, In
Person; Julianna Abel ; 4 cr.
58307 017 DIS, 10:10-12:05 M, Cooke Hall 215, In Person;
Julianna Abel, Daniel Escobar Naranjo ; 4 cr.
58308 018 DIS, 16:40-18:35 W, Mechanical Engineering 25,
In Person; Julianna Abel, Daniel Escobar Naranjo ; 4 cr.

3222 Mechanisms & Machine Design

(A-F or Audit; Prereq: [3221 or concurrent registration
is required (or allowed) in 3221], [CSci 1113 or equiv])
58043 002 DIS, 17:30-19:00 W, Keller Hall 3-111, In Person;
Tianhong Cui ; 4 cr.
59547 003 DIS, 14:30-16:00 Th, Keller Hall 2-260, In Person;
Tianhong Cui ; 4 cr.
59634 005 DIS, 08:00-09:30 T, Mechanical Engineering 321,
In Person; Tianhong Cui ; 4 cr.
59635 004 LEC, 11:15-12:05 MWF, Rapson Hall 56, In
Person; Tianhong Cui ; 4 cr.
59636 006 DIS, 08:00-09:30 Th, Mechanical Engineering
321, In Person; Tianhong Cui ; 4 cr.

3281 System Dynamics and Control

(A-F or Audit; Prereq: AEM 2021, [Math 2243 or Math
2373], ME upper div)
59209 002 LEC, 11:15-12:45 TTh, Vincent Hall 16, In
Person; Kim Stelson ; 4 cr.
59210 003 DIS, 11:15-12:05 M, Akerman Hall 319, In
Person; Kim Stelson ; 4 cr.
59211 004 DIS, 13:25-14:15 T, Rapson Hall 43, In Person;
Kim Stelson ; 4 cr.
60009 005 DIS, 14:30-15:20 W, Akerman Hall 225, In
Person; Kim Stelson ; 4 cr.

3331 Thermodynamics

(A-F only; Prereq: Chem 1061, Chem 1065, Phys 1301)
58884 001 LEC, 08:00-08:50 MWF, Keller Hall 3-210, In
Person; Sayan Biswas ; 3 cr.
58885 002 DIS, 11:15-12:05 Th, Rapson Hall 100, In Person;
Sayan Biswas ; 3 cr.
67567 003 DIS, 13:25-14:15 Th, Rapson Hall 56, In Person;
Sayan Biswas ; 3 cr.

3332 Fluid Mechanics

(A-F only; Prereq: Math 2243 or Math 2373, 3331)
59558 004 LEC, 14:30-15:20 MWF, Akerman Hall 209, In
Person; Matt Anderson ; 3 cr.
59559 005 DIS, 15:35-16:25 T, Amundson Hall B75, In
Person; Matt Anderson ; 3 cr.

3333 Heat Transfer

(A-F only; Prereq: 3332)
58886 001 LEC, 10:10-11:00 MWF, Smith Hall 231, In
Person; Xiaojia Wang ; 3 cr.
58887 002 DIS, 14:30-15:20 F, Tate Hall 101, In Person;
Xiaojia Wang ; 3 cr.
59646 003 LEC, 08:00-08:50 MWF, Akerman Hall 319, In
Person; Ognjen Ilic ; 3 cr.
59838 005 DIS, 10:10-11:00 Th, Mechanical Engineering
212, In Person; Ognjen Ilic ; 3 cr.

3990 Curricular Practical Training

(S-N only; Prereq: ME major)
59549 001 FWK, Independent/Directed Study; Terrence
Simon ; 1 cr.

4031W Basic Mechanical Measurements Laboratory

(A-F or Audit; Prereq: IE 4521, upper div MEWI)
58402 001 LEC, 13:25-14:15 MWF, Vincent Hall 16, In
Person; David Pui ; 4 cr.
58404 003 LAB, 08:00-11:00 T, Mechanical Engineering 152,
In Person; David Pui ; 4 cr.
58406 005 LAB, 08:00-11:00 Th, Mechanical Engineering
152, In Person; David Pui ; 4 cr.
58407 006 LAB, 09:05-12:05 F, Mechanical Engineering 152,
In Person; David Pui ; 4 cr.
58408 007 LAB, 14:30-17:30 M, Mechanical Engineering
152, In Person; David Pui ; 4 cr.
58409 008 LAB, 11:10-14:10 T, Mechanical Engineering 152,
In Person; David Pui ; 4 cr.
58410 009 LAB, 14:30-17:30 W, Mechanical Engineering
152, In Person; David Pui ; 4 cr.
58411 010 LAB, 11:10-14:10 Th, Mechanical Engineering
152, In Person; David Pui ; 4 cr.
58412 011 LAB, 14:30-17:30 F, Mechanical Engineering 152,
In Person; David Pui ; 4 cr.
58413 012 LAB, 14:20-17:20 T, Mechanical Engineering 152,
In Person; David Pui ; 4 cr.
58414 013 LAB, 14:20-17:20 Th, Mechanical Engineering
152, In Person; David Pui ; 4 cr.
58415 014 LAB, 17:30-20:30 T, Mechanical Engineering 152,
In Person; David Pui ; 4 cr.
58416 015 LAB, 17:30-20:30 Th, Mechanical Engineering
152, In Person; David Pui ; 4 cr.

4053 Mechanical Engineering Modeling

(Student Option;)
59827 001 LEC, 12:20-14:15 TTh, Bruininks Hall 412, In Person; Daniel Escobar Naranjo, Alptekin Aksan ; 4 cr.

4054W Design Projects

(A-F or Audit; Prereq: 2011, 3221, 3222, 3281, 3331, 3332, 3333, 4031W, AEM 2021, AEM 3031, EE 3005, ME upper divWI)
58060 001 LEC, 16:00-17:30 T, Bruininks Hall 114, In Person; Natasha Wright ; 4 cr.
58061 002 DIS, 16:00-17:30 Th, Bruininks Hall 412, 14:30-15:45 TTh, Bruininks Hall 412, In Person; Natasha Wright ; 4 cr.

4090 Advanced Engineering Problems

(Student Option; Prereq: ME upper div, instr consent)
58119 001 IND, 00:00-00:00 , , In Person; 2-4 cr.
58841 002 IND, 00:00-00:00 , , In Person; 2-4 cr.
60171 003 IND, In Person; 2-4 cr.
60176 004 IND, In Person; 2-4 cr.

4231 Motion Control Laboratory

(A-F or Audit; Prereq: 3281, 4031W, ME upper div)
58044 001 LEC, 12:20-14:15 F, Akerman Hall 225, In Person; Michael Timmons ; 4 cr.
58045 003 LAB, 09:05-12:05 M, Mechanical Engineering 270, In Person; Michael Timmons ; 4 cr.
58046 004 LAB, 14:30-17:30 M, Mechanical Engineering 270, In Person; Michael Timmons ; 4 cr.
58047 005 LAB, 09:05-12:05 T, Mechanical Engineering 270, In Person; Michael Timmons ; 4 cr.
58048 006 LAB, 09:05-12:05 Th, Mechanical Engineering 270, In Person; Michael Timmons ; 4 cr.
58049 007 LAB, 09:05-12:05 W, Mechanical Engineering 270, In Person; Michael Timmons ; 4 cr.
58321 008 LAB, 14:30-17:30 W, Mechanical Engineering 270, In Person; Michael Timmons ; 4 cr.

4232 Fluid Power Control Lab

(A-F or Audit; Prereq: 3281, 4031W, ME upper div)
58335 001 LEC, 10:10-12:05 F, Bruininks Hall 420B, In Person; Biswaranjan Mohanty ; 4 cr.
58336 002 LAB, 09:05-11:00 TTh, Mechanical Engineering 256, In Person; Biswaranjan Mohanty ; 4 cr.
58337 003 LAB, 11:15-13:10 TTh, Mechanical Engineering 256, In Person; Biswaranjan Mohanty ; 4 cr.
58338 004 LAB, 12:20-14:15 MW, Mechanical Engineering 256, In Person; Biswaranjan Mohanty ; 4 cr.
58339 005 LAB, 14:30-16:25 MW, Mechanical Engineering 256, In Person; Biswaranjan Mohanty ; 4 cr.
58900 006 LAB, 10:10-12:05 MW, Mechanical Engineering 256, In Person; Biswaranjan Mohanty ; 4 cr.
59548 007 LAB, 08:00-10:00 MW, Mechanical Engineering 256, In Person; Biswaranjan Mohanty ; 4 cr.

4331 Thermal Energy Engineering Laboratory

(A-F or Audit; Prereq: [3331, 3332, 3333, 4031W], [ME upper div or grad student])
60010 001 LEC, 10:10-11:00 TTh, Mechanical Engineering 25, In Person; Vinod Srinivasan ; 4 cr.
60011 002 LAB, 09:05-12:05 M, Mechanical Engineering 465, In Person; Vinod Srinivasan ; 4 cr.
60012 003 LAB, 09:05-12:05 W, Mechanical Engineering 465, In Person; Vinod Srinivasan ; 4 cr.
60013 004 LAB, 16:40-19:40 W, Mechanical Engineering 465, In Person; Vinod Srinivasan ; 4 cr.
60014 005 LAB, 17:45-20:45 Th, Mechanical Engineering 465, In Person; Vinod Srinivasan ; 4 cr.
60015 006 LAB, 14:30-17:30 M, Mechanical Engineering 465, In Person; Vinod Srinivasan ; 4 cr.
60389 007 LAB, 09:05-12:05 F, Mechanical Engineering 465, In Person; Vinod Srinivasan ; 4 cr.

5103 Thermal Environmental Engineering

(A-F or Audit; Prereq: 3331 or 3332, 3333, CSE upper div or grad)

60383 001 LEC, 10:10-12:05 MW, Civil Engineering Bldg 212, In Person; Uwe Kortshagen ; 4 cr.

5229 Finite Element Method for Computational Mechanics: Transient/ Dynamic Applications

(A-F or Audit;)
66276 001 LEC, 15:35-17:30 WF, Twin Cities Remote, Completely Online; Kumar Tamma ; 4 cr.

5241 Computer-Aided Engineering

(A-F or Audit; Prereq: 3222, CSci 1113 or equiv, CSE upper div or grad)
58160 001 LEC, 12:20-14:15 MW, Keller Hall 3-230, In Person; Frank Kelso ; 4 cr.

59268 883 LEC, 12:20-14:15 MW, Twin Cities Remote, Completely Online; Frank Kelso ; 4 cr.

5247 Applied Stress Analysis

(A-F or Audit; Prereq: AEM 3031, MatS 2001, ME 3221)
66277 001 LEC, 10:10-12:05 MW, Mechanical Engineering 221, In Person; Thomas Chase ; 4 cr.
66278 002 LAB, In Person; ; 4 cr.

5286 Robotics

(A-F or Audit; Prereq: [3281 or equiv], [upper div ME or AEM or CSci or grad student])
58305 001 LEC, 08:00-09:55 TTh, Mechanical Engineering 212, In Person; Max Donath ; 4 cr.
59218 883 LEC, 08:00-09:55 TTh, Twin Cities Remote, Completely Online; Max Donath ; 4 cr.

5351 Computational Heat Transfer

(A-F or Audit; Prereq: 3333, CSE upper div or grad student)
66280 001 LEC, 10:10-12:05 TTh, Rapson Hall 43, In Person; Jeff Tithof ; 4 cr.

5446 Introduction to Combustion

(A-F or Audit; Prereq: 3331, 3332, 3333, CSE upper div or grad student)
60019 001 LEC, 08:00-09:55 TTh, Keller Hall 3-230, In Person; Suo Yang ; 4 cr.
60035 883 LEC, 08:00-09:55 TTh, Twin Cities Remote, Completely Online; Suo Yang ; 4 cr.

Medical Device Innovation (MDI)**5010 Product Innovation & Development Management**

(A-F only; Prereq: Grad MDI student. Non-MDI graduate students and non-degree graduate students may register for this course with permission of the MDI program.)

67721 001 LEC, 17:30-21:30 M, McNamara Alumni Center 235, 17:30-21:30 M, McNamara Alumni Center 235, 17:30-21:30 M, McNamara Alumni Center 235, 17:30-21:30 M, McNamara Alumni Center 235, 17:30-21:30 M, McNamara Alumni Center 235, 17:30-21:30 M, McNamara Alumni Center 235, 17:30-21:30 M, McNamara Alumni Center 235, 17:30-21:30 M, McNamara Alumni Center 235, In Person; Matthew Stoll ; 2 cr.

5013 Biodesign Practicum I

(A-F only; Prereq: Grad MDI student)
60352 001 LEC, 08:30-16:30 Sa, Mayo Medical Device Ctr G217-1, 08:30-16:30 Sa, Mayo Medical Device Ctr G217-1, 08:30-16:30 Sa, Mayo Medical Device Ctr G217-1, 08:30-16:30 Sa, Mayo Medical Device Ctr G217-1, In Person; Joseph Hale ; 2 cr.

5020 Medical Device Innovation Capstone

(A-F only;)
59836 001 LEC, 17:30-21:30 W, McNamara Alumni Center 235, 17:30-21:30 W, No Room Required, 17:30-21:30 W, No Room Required, 17:30-21:30 W, McNamara Alumni Center 235, Partially Online; Charles Laingen ; 1-2 cr.

5060 MDI Independent Study

(A-F only; Prereq: MDI grad student)
60191 001 IND, In Person; 1-3 cr.

5101 Introduction to Medical Device

Cybersecurity
(A-F or Audit;)
67913 001 DIS, 17:30-21:30 W, Twin Cities Remote, 17:30-21:30 W, Twin Cities Remote, 17:30-21:30 W, Twin Cities Remote, 17:30-21:30 W, Twin Cities Remote, 17:30-21:30 W, Twin Cities Remote, 17:30-21:30 W, Twin Cities Remote, 17:30-21:30 W, Twin Cities Remote, 17:30-21:30 W, Twin Cities Remote, 17:30-21:30 W, Twin Cities Remote, 17:30-21:30 W, Twin Cities Remote, Completely Online; Kenneth Hoyme ; 3 cr.

Medical Industry Leadrshp Inst (MILI)**3589 Medical Technology and Society**

(A-F or Audit; TS)
57337 001 LEC, 14:30-15:45 TTh, Carlson School of Mgmt 1-149, In Person; Pinar Karaca Mandic ; 3 cr.

3963 Health Market Analytics

(A-F only; Prerequisite: We recommended that students have a background in statistics. Consider MKTG 3005 - or STAT 3011 or BA 2551 or equivalent course. We also recommend a previously taken class with Excel, R, SAS, SQL, or Access.)
57437 001 LEC, 08:15-09:30 MW, Carlson School of Mgmt 1-135, In Person; Caroline Carlin ; 3 cr.

5995 Medical Industry Valuation Laboratory

(A-F only; Prereq: instr consent)
57075 001 LEC, 17:45-19:30 Th, Carlson School of Mgmt 1-136, In Person; Meets With: 060 MILI 6996060 MILI 6995; Michael Finch, Matthew Stoll ; 2 cr.

5999 Independent Study

(A-F only;)
57076 001 IND, In Person; 1-8 cr.

Medical Laboratory Sciences Pr (MLSP)**1010 Introduction to Medical Laboratory Science**

(S-N only;)
63615 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Constance Weston ; 1 cr.

5011W Professional Issues in the Health Care Community

(A-F only; WI)
63616 001 LEC, 00:00-00:00 , ONLINE, Completely Online; 2 cr.

5113 Advanced Concepts in Diagnostic Microbiology

(A-F only;)
63617 001 LEC, 09:05-11:00 M, Moos Health Sci Tower 5-125, Partially Online; Meets With: 001 MLSP 6113; Lorna Ruskin ; 3 cr.

5213 Diagnostic Hematology

(A-F only;)
63628 001 LEC, 11:15-13:10 M, Phillips-Wangensteen 3154/3156, Partially Online; Meets With: 001 MLSP 6213; Stephen Wiesner ; 3 cr.

5214 Advanced Hematology Morphology

(A-F only;)
63629 001 LAB, 13:25-16:25 W, Twin Cities Remote, Completely Online; Stephen Wiesner ; 1 cr.

5311 Fundamental Biomedical Laboratory Techniques

(A-F only;)
63618 001 LEC, 12:20-13:10 MW, Moos Health Sci Tower 5-125, Partially Online; Hannah Gartzke ; 4 cr.
63626 002 LAB, 13:20-16:20 MW, Molecular Cellular Biol 3-150, In Person; Hannah Gartzke ; 4 cr.

5312 Body Fluid Analysis

(A-F only;)
63630 001 LEC, 14:00-14:50 M, Phillips-Wangensteen 3150/3152, Partially Online; Christine Maleck ; 2 cr.
63631 002 LAB, 09:00-11:30 T, Molecular Cellular Biol 3-150, In Person; Christine Maleck ; 2 cr.
63632 003 LAB, 13:00-15:30 T, Molecular Cellular Biol 3-150, In Person; Christine Maleck ; 2 cr.
63701 004 LAB, 13:00-15:30 T, Molecular Cellular Biol 3-150, In Person; Christine Maleck ; 2 cr.

5513 Transfusion Medicine Principles and Methods

(A-F only;)
63619 001 LEC, 09:05-11:00 W, Moos Health Sci Tower 5-125, Partially Online; Meets With: 001 MLSP 6513; Michelle Henry-Stanley ; 3 cr.

5514 Application of Transfusion Medicine Principles

(A-F only;)
63620 001 LAB, 08:00-12:00 Th, Molecular Cellular Biol 3-150, In Person; Andrew Yue ; 2 cr.
63625 002 LAB, 13:00-17:00 Th, Molecular Cellular Biol 3-150, In Person; Andrew Yue ; 2 cr.
63659 003 LAB, 13:00-17:00 Th, Molecular Cellular Biol 3-150, In Person; Andrew Yue ; 2 cr.

5801 Advanced Practicum Experience in Specialty Disciplines

(S-N only;)

63627 001 LEC, Independent/Directed Study; Tami Alpaugh ; 1 cr.

Medical Physics (MPHY)

5139 Seminar and Journal Club

(S-N or Audit;)

66063 001 LEC, 12:00-13:00 F, Phillips-Wangenstn Bldg 1-164, In Person; Clara Ferreira ; 1 cr.

5173 Radiation Therapy Physics II

(Student Option; Prereq: 5170 or instr consent)

61413 001 LEC, 15:25-16:15 TTh, Phillips-Wangenstn Bldg 1-164, In Person; Parham Alaei ; 3 cr.

5174 Medical and Health Physics of Imaging II

(Student Option; Prereq: 5170 or instr consent)

61793 001 LEC, 14:30-15:45 MW, Mayo Bldg & Additions B216, In Person; Joseph Steiner ; 3 cr.

5177 Radiation Therapy Physics Lab:

Radiation Physics Basics

(A-F only; Prereq: 5170 or concurrent registration is required (or allowed) in 5173 or instr consent)

61414 001 LAB, 16:30-19:30 M, Fairview Univ Med Ctr J1-218, In Person; Yoichi Watanabe ; 3 cr.

Medieval Studies (MEST)

3001 Introduction to Medieval History

(Student Option; GP,HIS)

54864 001 LEC, 11:15-12:30 MW, Anderson Hall 370, In Person; Meets With: 001 HIST 3101; Michael Lower ; 3 cr.

3009 Intersectional Medieval Art

(Student Option; AH)

67641 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 50B, In Person; Meets With: 001 RELS 3609001 ARTH 3009; Jennifer Awes-Freeman ; 3 cr.

3072 Witchcraft, Possession, Magic:

Concepts in the Atlantic Supernatural, 1500-1800

(Student Option; LITR)

55313 001 DIS, 09:45-11:00 MW, Pillsbury Hall 311, In Person; Meets With: 001 ENGL 3072; Rachel Trocchio ; 3 cr.

3101 Knights and Pilgrims in Medieval Literature

(A-F or Audit; LITR)

65551 001 LEC, 11:15-12:30 MW, Pillsbury Hall 412, In Person; Meets With: 001 ENGL 3101; Andrew Scheil ; 3 cr.

3611 Medieval Cities of Europe: 500-1500

(Student Option No Audit; GP,HIS)

54868 001 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Meets With: 001 HIST 3611; Kathryn Reyerson ; 3 cr.

3616 The Hundred Years War: France and England in the Middle Ages

(Student Option No Audit; HIS)

55552 001 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Meets With: 001 HIST 3616; Kathryn Reyerson ; 3 cr.

3617 Pagans, Christians, Barbarians: The World of Late Antiquity

(A-F or Audit; GP,HIS)

55551 001 LEC, 11:15-12:30 MW, Nicholson Hall 115, In Person; Meets With: 001 RELS 3543001 HIST 3617001 CNRC 3617; Andrea Sterk ; 3 cr.

3993 Directed Studies in Medieval Studies

(Student Option; Prereq: Previous work in a medieval studies discipline, instr consent)

55228 001 IND, In Person; 1-3 cr.

4043 Romans, Anglo-Saxons and Vikings: Archaeology of Northern Europe

(Student Option;)

54000 001 LEC, 14:00-16:30 T, Carlson School of Mgmt 2-224, In Person; Meets With: 001 ANTH 4043; Peter Wells ; 3 cr.

5993 Directed Studies in Medieval Studies

(Student Option; Prereq: One yr work in some area of Middle Ages, reading knowledge of appropriate language, instr consent)

51755 001 IND, In Person; 1-3 cr.

Microbial Engineering (MICE)

5355 Advanced Fermentation and

Biocatalysis Laboratory

(S-N only; Prereq: [3301 or BIOL 3301], [grad student in microbial engineering or upper-div major in [microbiology or chem engineering or biochemistry]], instr consent)

49923 001 LAB, In Person; 1 cr.

Microbiol/Immun/Cancer Biology (MICA)

5000 Practicum: Teaching

(No Grade Associated;)

60929 001 FWK, 00:00-00:00 , , In Person; 0 cr.

Microbiology (MICB)

3301 Biology of Microorganisms

(A-F only; Prereq: [Biol 1961 and Biol 2003] or Biol 1009 or instructor permission)

50139 001 LEC, 13:00-14:15 TTh, Molecular Cellular Biol 3-120, In Person; Meets With: 001 MICB 3303; Christian Mohr ; 5 cr.

50140 002 LAB, 09:05-11:00 TTh, Moos Health Sci Tower 2-242, In Person; Christian Mohr ; 5 cr.

50141 003 LAB, 14:30-16:25 TTh, Moos Health Sci Tower 2-242, In Person; Christian Mohr ; 5 cr.

3303 Biology of Microorganisms (without laboratory)

(A-F only; Prereq: Biol 2003 or Biol 1009 or instructor permission)

49994 001 LEC, 13:00-14:15 TTh, Molecular Cellular Biol 3-120, In Person; Meets With: 001 MICB 3301; Christian Mohr ; 3 cr.

4151 Molecular and Genetic Bases for Microbial Diseases

(Student Option; Prereq: MICB 3301 AND [BIOL4003 OR PMB4131 OR Molecular Biology (BIOL 3020 or BIOL 3025 or BIOL 3015)])

49806 001 LEC, 09:45-11:00 MW, Molecular Cellular Biol 3-120, In Person; Anna Tischler ; 3 cr.

4171 Biology, Genetics, and Pathogenesis of Viruses

(A-F only; Prereq: Biol 2003 and Biol 4003 and [MicB 4131 or instructor permission])

49899 001 LEC, 08:15-09:30 TTh, Bruininks Hall 330, In Person; Leslie Schiff ; 3 cr.

4235 Advanced Laboratory: Virology, Immunology, and Microbial Genetics

(Student Option; Prereq: Micb 3301 and [Bioc 3022 or Bioc 4331] and [MicB 4171 prereq or concurrent registration or permission])

49802 001 LAB, 13:25-16:25 TTh, Moos Health Sci Tower 2-252, In Person; Wade Bresnahan ; 3 cr.

4793W Directed Studies: Writing Intensive

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements. WI)

49871 001 IND, In Person; Leslie Schiff ; 1-7 cr.

4794W Directed Research: Writing Intensive

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements. WI)

49872 001 IND, In Person; Leslie Schiff ; 1-7 cr.
50223 002 IND, In Person; Leslie Schiff, Dana Davis ; 1-7 cr.

4993 Directed Studies

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements.)

49803 001 IND, In Person; Leslie Schiff ; 1-7 cr.

4994 Directed Research

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements.)

49804 001 IND, In Person; Leslie Schiff ; 1-7 cr.

Military Science (MIL)

1102 Introduction to the Profession of Arms

(A-F only;)

63515 001 LEC, 09:05-09:55 W, Armory Building 116A, In Person; Lukas Wright ; 1 cr.

63517 002 LEC, 13:25-14:15 W, Armory Building 116A, In Person; Lukas Wright ; 1 cr.

1104 MS I One Credit Lead Lab

(A-F only; Prereq: concurrent registration is required (or allowed) in 1102)

63529 001 LAB, 06:15-07:30 MWF, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, 06:15-07:30 Th, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, In Person; Meets With: 001 MIL 1204001 MIL 104001 MIL 204001 MIL 304001 MIL 3304; Stephen McNew, Kellima Thompson, Lukas Wright ; 1 cr.

1202 Army Doctrine and Team

Development

(A-F only; Prereq: Must enroll in lab.)

63514 001 LEC, 08:00-08:50 MW, Armory Building 202, In Person; Gerald Cramer, Kellima Thompson ; 2 cr.

1204 MS II One Credit Lead Lab

(A-F only; Prereq: concurrent registration is required (or allowed) in 1202)

63490 001 LAB, 06:15-07:30 MWF, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, 06:15-07:30 Th, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, In Person; Meets With: 001 MIL 304001 MIL 1104001 MIL 204001 MIL 3304001 MIL 104; Stephen McNew, Kellima Thompson, Lukas Wright ; 1 cr.

3302 Applied Leadership in Small Unit Operations

(A-F only; 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.)

63513 001 LEC, 08:00-08:50 MWF, Armory Building 116, In Person; Stephen McNew ; 3 cr.

3304 MS III One Credit Lead Lab

(A-F only; Prereq: Completion of basic courses, concurrent registration is required (or allowed) in 3302)

63524 001 LAB, 06:15-07:30 MWF, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, 06:15-07:30 Th, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, In Person; Meets With: 001 MIL 1104001 MIL 204001 MIL 304001 MIL 104001 MIL 1204; Stephen McNew, Kellima Thompson, Lukas Wright ; 1 cr.

3402 Company Grade Leadership

(A-F only; Prereq: Completion of all other military courses or Army equiv, concurrent registration is required (or allowed) in lab)

63512 001 LEC, 08:00-08:50 MWF, Armory Building 116A, In Person; John Nguyen ; 3 cr.

3404 MS IV One Credit Lead Lab

(A-F only; Prereq: Completion of basic courses, concurrent registration is required (or allowed) in 3402)

63520 001 LAB, 06:15-07:30 MWF, Armory Building 116, 16:30-18:30 W, Armory Building 116, 16:30-18:30 W, Armory Building 116, 06:15-07:30 Th, Armory Building 116, 16:30-18:30 W, Armory Building 116, 16:30-18:30 W, Armory Building 116, In Person; Meets With: 001 MIL 404; John Nguyen ; 1 cr.

3970 Military History

(A-F only;)

63564 003 LEC, 16:30-19:00 T, Armory Building 116, In Person; John Nguyen ; 3 cr.

Mortuary Science (MORT)

2171 Introductory Anatomy

(A-F only;)
61862 001 LEC, 09:00-11:40 T, Jackson Hall 2-125, In Person; Mary Doherty ; 3 cr.

3009 Introductory Accounting

(A-F only;)
62115 001 LEC, 09:00-11:40 F, Jackson Hall 2-125, In Person; Janet McGee ; 3 cr.

3016 Funeral Service Marketing and Merchandising

(A-F or Audit;)
62050 001 LEC, 15:30-18:10 M, Jackson Hall 2-137, In Person; Denise Gochenouer ; 3 cr.

3019 Funeral Service Practice II

(A-F only;)
61155 001 LEC, 09:00-11:40 W, Mayo Bldg & Additions A110, In Person; Carrie Rowell ; 3 cr.

3022W Funeral Service Arrangements Laboratory

(A-F only; Prerequisites: MORT 3021W, MORT 3014W)
61122 001 LEC, 09:00-11:40 Th, Jackson Hall 2-137, In Person; Carrie Rowell ; 4 cr.
61282 002 LAB, 12:30-15:00 Th, Jackson Hall 2-125, In Person; Carrie Rowell ; 4 cr.
61285 003 LAB, 15:00-17:30 Th, Jackson Hall 2-125, In Person; Carrie Rowell ; 4 cr.

3031 Funeral Service Law

(A-F only; Prerequisites: MORT 3025: Business Law)
61123 001 LEC, 16:30-18:20 T, Jackson Hall 2-137, In Person; Doug Meslow ; 2 cr.

3048 Microbiology and Pathology for Funeral Service

(A-F only;)
61311 001 LEC, Completely Online; Kelley Romanowski ; 4 cr.

3051 Restorative Art

(A-F only; Prerequisites: MORT 2171 Introductory Human Anatomy; MORT 3171 Human Anatomy Laboratory)
61065 001 LEC, 12:30-15:10 M, Jackson Hall 2-121, In Person; Kelley Romanowski ; 3 cr.

3061 Embalming Theory

(A-F only; Prerequisites: MORT 2171 Introductory Human Anatomy; MORT 3171 Human Anatomy Laboratory)
61109 001 LEC, 09:00-11:40 M, Jackson Hall 2-121, In Person; Carrie Rowell ; 3 cr.

3065 Embalming Chemistry

(A-F only;)
61154 001 LEC, 13:00-14:50 T, Jackson Hall 2-125, In Person; Michael LuBrant, Bruce Martin ; 3 cr.

3151 Restorative Art Laboratory

(A-F only;)
61066 001 LAB, 09:00-12:00 W, Jackson Hall 5-125A, In Person; Kelley Romanowski ; 1 cr.
61124 002 LAB, 13:30-16:30 W, Jackson Hall 5-125A, In Person; Kelley Romanowski ; 1 cr.

3161 Embalming Laboratory

(A-F only;)
61037 001 LAB, 09:00-12:00 T, Jackson Hall 5-125A, In Person; Carrie Rowell ; 1 cr.
61038 002 LAB, 13:00-16:00 T, Jackson Hall 5-125A, In Person; Trista Kosiba ; 1 cr.

3171 Human Anatomy Laboratory

(A-F or Audit;)
62052 001 LAB, 12:30-14:30 Th, Room TBA, In Person; Mary Doherty ; 1 cr.

3379 Clinical Funeral Service Rotation

(A-F only; Prerequisites: MORT 3051; 3061; 3151; 3161)
61110 001 ROT, 12:15-13:15 W, Jackson Hall 2-137, In Person; Carrie Rowell ; 1-6 cr.

3384 Mortuary Science Practice in the US: An Integrative Capstone Course For Professional Practice

(A-F only;)
66451 001 LEC, 16:30-18:00 W, Jackson Hall 2-125, Primarily Online; Michael LuBrant ; 1 cr.

Multidisciplinary Studies (MDS)**3001W Introduction to Multidisciplinary Studies**

(A-F only; Prereq: Admitted to multidisciplinary studiesW)
63204 301 LEC, Completely Online; Lisa Garrett ; 3 cr.

3093 Directed Study

(A-F only; Prereq: instr consent)
63278 401 IND, 00:00-00:00 , Independent/Directed Study; 1-15 cr.

3101 Project Development

(A-F only; Prereq: 3001W, MdS major, adviser referral, permission number, basic computer/internet skills)
63447 301 LEC, Completely Online; Lisa Garrett ; 1 cr.

3201 Project Registration 1

(A-F only; Prereq: 3001W, MdS major, C- or above in 3101, approved project proposal, permission number, basic computer and internet skills)
63448 301 LEC, Completely Online; Lisa Garrett ; 3 cr.

3202 Project Registration 2

(A-F only; Prereq: 3001W, MdS major status, C- or above 3101, approved project proposal, permission number, basic computer/internet skills)
63449 301 LEC, Completely Online; Lisa Garrett ; 3 cr.

Museum Studies (MST)**5020 Internship**

(S-N or Audit; Prereq: 5011, 5012, dept consent)
49333 002 FWK, Independent/Directed Study; 1-6 cr.

Music (MUS)**1013 Rock I: The Historical Origins and Development of Rock Music to 1970**

(A-F or Audit; AH,DSJ)
53833 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Cong Liu ; 3 cr.
53956 001 LEC, 12:20-13:10 MW, Huntington Bank Stad G065A, In Person; Scott Currie ; 3 cr.
53957 002 DIS, 08:00-08:50 F, Ferguson Hall 123, In Person; Nathaniel Krebs ; 3 cr.
53958 003 DIS, 09:05-09:55 F, Ferguson Hall 123, In Person; Nathaniel Krebs ; 3 cr.
53959 004 DIS, 11:15-12:05 F, Ferguson Hall 107, In Person; Alexis Aguilar ; 3 cr.
53960 005 DIS, 11:15-12:05 F, Ferguson Hall 105, In Person; Yi Ding ; 3 cr.
53961 006 DIS, 12:20-13:10 F, Ferguson Hall 105, In Person; Yi Ding ; 3 cr.
53962 007 DIS, 12:20-13:10 F, Ferguson Hall 107, In Person; Cixian Lu ; 3 cr.
53965 010 DIS, 13:25-14:15 F, Ferguson Hall 107, In Person; Cixian Lu ; 3 cr.
53966 011 DIS, 13:25-14:15 F, Ferguson Hall 105, In Person; Milos Socanin ; 3 cr.
54220 302 LEC, Completely Online; Ryan Picone ; 3 cr.
54221 303 LEC, Completely Online; Momcilo Aleksandric ; 3 cr.
54222 304 LEC, Completely Online; Abigail Proehl ; 3 cr.
54411 305 LEC, Completely Online; Sarah Weisbrod ; 3 cr.
68211 012 LEC, 12:20-13:10 MW, Twin Cities Remote, Completely Online; Scott Currie ; 3 cr.
68615 013 DIS, 11:15-12:05 F, Twin Cities Remote, Completely Online; Patricia Morgan ; 3 cr.
68616 014 DIS, 12:20-13:10 F, Twin Cities Remote, Completely Online; Patricia Morgan ; 3 cr.

1015W Music and Movies: The Use and Representation of Music and Musicians in Film in a Global Context

(A-F or Audit; W)
53994 301 LEC, Completely Online; Zachary Ploeger ; 4 cr.
54739 302 LEC, Completely Online; Jordan Goebel ; 4 cr.

1021 Introduction to Music

(Student Option; AH)
52503 001 LEC, 13:00-14:15 MW, Ferguson Hall 225, In Person; Meets With: 001 MUS 3021; Gabriela Currie, Anya Badaldavood ; 3 cr.

1051 Class Piano for Nonmusic Majors I

(Student Option No Audit;)

51759 001 LEC, 09:05-09:55 MW, Ferguson Hall 265, In Person; Koki Sato ; 2 cr.

51761 003 LEC, 09:05-09:55 TTh, Ferguson Hall 265, In Person; Koki Sato ; 2 cr.

1052 Class Piano for Non Music Majors II

(Student Option No Audit;)
51764 001 LEC, 12:20-13:10 TTh, Ferguson Hall 265, In Person; Samantha Martinez-Brockhus ; 2 cr.
55833 002 LEC, 13:25-14:15 TTh, Ferguson Hall 265, In Person; Samantha Martinez-Brockhus ; 2 cr.

1152 Piano: Class Lessons II

(A-F or Audit; Prereq: MUS 1151 or instr consent)
51770 001 LEC, 10:10-11:00 MW, Ferguson Hall 265, In Person; Sujin Cho ; 2 cr.
51771 002 LEC, 11:15-12:05 MW, Ferguson Hall 265, In Person; Hyein Choi ; 2 cr.
51772 003 LEC, 10:10-11:00 TTh, Ferguson Hall 265, In Person; Sujin Cho ; 2 cr.
51773 004 LEC, 11:15-12:05 TTh, Ferguson Hall 265, In Person; Sujin Cho ; 2 cr.

1260 Voice Class

(Student Option; Prereq: Basic musicianship for learning and performing simple songs. In this context, basic musicianship means: 1. Ability to match pitch 2. Ability to repeat and read simple a simple rhythm. 3. Ability to learn a song independently from sheet music.)

51774 001 LEC, 10:10-11:00 MW, Ferguson Hall 90, In Person; Pauline Hsu ; 2 cr.
51776 003 LEC, 18:15-20:00 Th, Ferguson Hall 225, In Person; Ellie Dehn ; 2 cr.

1471 Guitar: Class Lessons I

(A-F or Audit;)
51894 001 LEC, 13:25-14:15 MW, Ferguson Hall 105, In Person; Nikola Korovljev ; 2 cr.
52346 002 LEC, 14:30-15:20 MW, Ferguson Hall 107, In Person; Milos Socanin ; 2 cr.
52602 003 LEC, 13:25-14:15 TTh, Ferguson Hall 105, In Person; Nikola Korovljev ; 2 cr.
52603 004 LEC, 15:35-16:25 TTh, Ferguson Hall 107, In Person; Nikola Korovljev ; 2 cr.
52604 005 LEC, 18:30-20:30 W, Ferguson Hall 107, In Person; Milos Socanin ; 2 cr.

1472 Guitar: Class Lessons II

(A-F or Audit; Prereq: 1471 or instr consent)
52809 001 LEC, 16:40-17:30 MW, Ferguson Hall 105, In Person; Nikola Korovljev ; 2 cr.

1475 Beginning Ukulele

(A-F only;)
55427 001 DIS, 16:00-18:00 T, Ferguson Hall 105, In Person; Maja Radovanlija ; 2 cr.

1476 Guitar World - guitar and its music, overview of world music styles through guitar related music

(A-F or Audit;)
55151 301 LEC, Completely Online; Maja Radovanlija ; 3 cr.

1502 Theory and Analysis of Tonal Music II

(A-F or Audit; Prereq: [1501, 1511 with grade of at least C-])
51803 001 LEC, 08:00-08:50 WF, Ferguson Hall 225, In Person; Jacob Fitzpatrick ; 2 cr.
52567 002 DIS, 09:05-09:55 M, Ferguson Hall 115, In Person; Madeline Mascia ; 2 cr.
52568 003 DIS, 09:05-09:55 M, Ferguson Hall 123, In Person; Thomas Otten ; 2 cr.
52569 004 DIS, 09:05-09:55 M, Ferguson Hall 149, In Person; Alyssa Inglett ; 2 cr.
52570 005 DIS, 09:35-10:25 T, Ferguson Hall 115, In Person; Brian Billion ; 2 cr.

1512 Ear-Training and Sight-Singing II

(A-F or Audit; Prereq: [MUS 1501 and MUS 1511] with grades of at least C-.)
53026 001 LEC, 08:00-08:50 M, Ferguson Hall 225, In Person; Jacob Fitzpatrick ; 1 cr.
53027 002 DIS, 09:05-09:55 W, Ferguson Hall 115, In Person; Madeline Mascia ; 1 cr.
53028 003 DIS, 09:05-09:55 W, Ferguson Hall 123, In Person; Thomas Otten ; 1 cr.
53029 004 DIS, 09:05-09:55 Th, Ferguson Hall 149, In Person; Madeline Mascia ; 1 cr.
53030 005 DIS, 09:35-10:25 Th, Ferguson Hall 203, In Person; Thomas Otten ; 1 cr.

1804 World Music

(Student Option; Prereq: Registration for this course is open until the first day of class, at which point instructor consent will be required.AH,GP)

51945 001 LEC, 11:15-12:30 MW, Ferguson Hall 225, In Person; Matthew Rahaim ; 3 cr.

1912 Guitar Heroes

(A-F only;)

68215 001 DIS, 15:30-17:00 MW, Ferguson Hall 107, In Person; Maja Radovanlija ; 3 cr.

3021 Introduction to Music

(Student Option; AH)

51907 001 LEC, 13:00-14:15 MW, Ferguson Hall 225, In Person; Meets With: 001 MUS 1021; Gabriela Currie, Anya Badaldavood ; 3 cr.

3200 Campus Singers

(Student Option;)

53419 002 LAB, 18:00-20:00 M, Ferguson Hall 90, In Person; Christiana Howell, Benjamin Wegner ; 2 cr.

68206 001 LAB, 12:15-13:15 TTh, Ferguson Hall 90, In Person; Jingqi Zhu, Shekela Wanyama ; 2 cr.

3230 Chorus

(Student Option; Prereq: Choral and/or instrumental music background, audition, instr consent)

51797 001 LAB, 15:35-17:05 MW, Ferguson Hall 90, In Person; Meets With: 001 MUS 5230; Kathy Romey, Christiana Howell ; 1-2 cr.

3242 Vocal Literature (French Melodie) and Pedagogy

(A-F or Audit; Prereq: [Vocal music or accompanying major], 2 yrs of music theory/history)

56629 001 LEC, 13:25-14:15 TTh, Ferguson Hall 149, In Person; Jane Giering-De Haan ; 1 cr.

3262 English Diction for Singers

(A-F or Audit; Prereq: Voice or choral music major, concurrent registration is required (or allowed) in applied voice)

54113 001 LAB, 11:15-12:05 MW, Ferguson Hall 115, In Person; Jane Giering-De Haan ; 1 cr.

3264 French Diction for Singers

(A-F or Audit; Prereq: Voice or choral music major, concurrent enroll in applied voice)

56434 001 LAB, 11:15-12:05 TTh, Ferguson Hall 203, In Person; Philip Zawisza ; 1 cr.

3301 The Music of Black Americans

(A-F only; AH,DSJ)

66286 001 DIS, 08:00-09:15 TTh, Ferguson Hall 225, In Person; Meets With: 001 AFRO 3301; Yolanda Williams ; 3 cr.

68250 002 DIS, In Person; 3 cr.

68252 004 DIS, In Person; 3 cr.

3331 Jazz Improvisation I

(A-F or Audit; Prereq: Music major or instr consent)

68207 001 LAB, 10:10-11:00 MW, Ferguson Hall 95, In Person; Dean Sorenson ; 2 cr.

3340 Jazz Ensemble

(A-F or Audit; Prereq: Audition, instr consent)

51795 001 LAB, 15:35-17:00 TTh, Ferguson Hall 95, In Person; Meets With: 001 MUS 5340; Dean Sorenson ; 1 cr.

51796 002 LAB, 11:15-12:05 MWF, Ferguson Hall 95, In Person; Meets With: 002 MUS 5340; Philip Hey ; 1 cr.

3350 Jazz Combo

(A-F or Audit; Prereq: Audition, instr consent)

51777 001 LAB, 10:10-11:00 MW, Ferguson Hall 3, In Person; Philip Hey ; 1 cr.

51778 002 LAB, 12:20-13:10 MW, Ferguson Hall 3, In Person; Philip Hey ; 1 cr.

51779 003 LAB, 13:25-14:15 MW, Ferguson Hall 3, In Person; Philip Hey ; 1 cr.

3380 Gospel Choir

(A-F only; Prereq: Although no audition is required, all students will be heard privately by the instructor during the first week of class for voice placement in the choir. Additionally, a survey will be taken at the beginning of the semester to assess students' prior musical experiences.)

54408 001 LAB, 18:00-20:00 T, Ferguson Hall 90, In Person; Adrian Davis, Benjamin Wegner ; 2 cr.

3400 University and Campus Bands

(Student Option;)

53010 001 LAB, 19:00-20:30 MTh, Ferguson Hall 95, In Person; Betsy McCann, John Leonard ; 2 cr.

53011 002 LAB, 19:00-21:00 M, Huntington Bank Stad G065A, In Person; Roger Vajda, Rose Tyler, Lauren Visel, Seth Davis ; 2 cr.

53212 003 LAB, 19:00-21:00 W, Huntington Bank Stad G065A, In Person; Lauren Visel, Rose Tyler, Roger Vajda, Seth Davis ; 2 cr.

53615 004 LAB, 19:00-21:00 Th, Huntington Bank Stad G065A, In Person; Seth Davis, Rose Tyler, Roger Vajda, Lauren Visel ; 2 cr.

3401 Basic Conducting

(A-F or Audit; Prereq: MUS 1502 (Theory and Analysis of Tonal Music II), music major, music minor, or instructor approval)

52031 001 LEC, 11:15-12:05 M, Ferguson Hall 85, In Person; Betsy McCann, Jerry Luckhardt, Roger Vajda, Seth Davis ; 2 cr.

52032 002 LAB, 11:15-12:05 TTh, Ferguson Hall 85, In Person; Betsy McCann, Jerry Luckhardt, Roger Vajda, Seth Davis ; 2 cr.

52033 003 LAB, 11:15-12:05 WF, Ferguson Hall 85, In Person; Betsy McCann, Jerry Luckhardt, Seth Davis, Roger Vajda ; 2 cr.

3410 University Wind Bands

(A-F or Audit; Prereq: Audition, instr consent)

51966 001 LAB, 13:25-15:20 MWF, Ferguson Hall 95, In Person; Meets With: 001 MUS 5410; Emily Threinen, Lauren Visel ; 1 cr.

51967 002 LAB, 13:25-15:20 TTh, Ferguson Hall 95, In Person; Meets With: 002 MUS 5410; Emily Threinen, Jerry Luckhardt, Rose Tyler ; 1 cr.

3420 Orchestra

(A-F or Audit; Prereq: Audition, instr consent)

51854 001 LAB, 13:25-15:20 MWF, Ferguson Hall 85, In Person; Meets With: 001 MUS 5420; Mark Russell Smith, Jose Carrillo Silezar, Andrew Kim ; 1 cr.

54114 002 LAB, In Person; Mark Russell Smith, Andrew Kim, Jose Carrillo Silezar ; 1 cr.

3430 Campus Orchestra

(Student Option; Prereq: Non-music major or unable to register for University Orchestra)

53301 001 LAB, 18:00-20:00 M, Ferguson Hall 85, In Person; Andrew Kim, Jose Carrillo Silezar, Jingqi Zhu ; 2 cr.

53547 003 LAB, 18:00-20:00 W, Ferguson Hall 85, In Person; Andrew Kim, Jose Carrillo Silezar, Jingqi Zhu ; 2 cr.

54823 002 LAB, 18:00-20:00 T, Ferguson Hall 85, In Person; Andrew Kim, Jose Carrillo Silezar, Jingqi Zhu ; 2 cr.

3440 Chamber Ensemble

(A-F or Audit; Prereq: instr consent)

51849 001 LAB, 00:00-00:00 , , In Person; Ellen Dinwiddie Smith ; 1 cr.

51850 002 LAB, 00:00-00:00 , , In Person; ; 1 cr.

51851 003 LAB, 16:30-17:30 W, Lab TBA, In Person; Christian Howard ; 1 cr.

51852 004 LAB, 00:00-00:00 , , In Person; Christian Howard ; 1 cr.

51853 005 LAB, 00:00-00:00 , , In Person; Immanuel Davis ; 1 cr.

54939 006 LAB, In Person; Maja Radovanlija ; 1 cr.

54941 011 LAB, In Person; Maja Radovanlija ; 1 cr.

54961 007 LAB, In Person; ; 1 cr.

54962 008 LAB, In Person; ; 1 cr.

54963 009 LAB, In Person; Jennifer Gerth ; 1 cr.

54964 010 LAB, In Person; ; 1 cr.

54965 012 LAB, In Person; Marissa Benedict ; 1 cr.

54966 013 LAB, In Person; Sally O'Reilly ; 1 cr.

54967 014 LAB, In Person; Preston Duncan ; 1 cr.

54968 015 LAB, In Person; Preston Duncan ; 1 cr.

54969 016 LAB, In Person; Caroline Lemen ; 1 cr.

54970 017 LAB, In Person; Jean Del Santo ; 1 cr.

54971 018 LAB, In Person; Tanya Remenikova ; 1 cr.

54972 019 LAB, In Person; ; 1 cr.

54973 020 LAB, In Person; Paul Shaw ; 1 cr.

54974 021 LAB, In Person; ; 1 cr.

54975 022 LAB, In Person; Timothy Lovelace ; 1 cr.

54976 023 LAB, In Person; Korey Konkol ; 1 cr.

54977 024 LAB, In Person; Alexander Braginsky ; 1 cr.

54978 025 LAB, In Person; Norbert Nielubowski ; 1 cr.

55023 026 LAB, In Person; Sangyoon Kim ; 1 cr.

3490 Athletics Bands

(A-F or Audit;)

52700 001 LAB, 19:00-21:00 T, Huntington Bank Stad G065A, In Person; Betsy McCann, John Leonard, Rose Tyler ; 1 cr.

52701 002 LAB, 19:00-21:00 T, Lab TBA, In Person; Betsy McCann, John Leonard ; 1 cr.

52702 003 LAB, 19:00-21:00 T, Lab TBA, In Person; Betsy McCann, John Leonard, Rose Tyler, Roger Vajda, Seth Davis ; 1 cr.

3603W History of Western Music III

(A-F or Audit; Prereq: [MUS 3602W, MUS 3501, MUS 3511] with grades of at least C- or instr consentW)

52498 001 LEC, 09:35-11:00 TTh, Ferguson Hall 225, In Person; Kevin Schwandt ; 3 cr.

52499 002 DIS, 08:00-08:50 F, Ferguson Hall 149, In Person; Quentin Dishman ; 3 cr.

52500 004 DIS, 08:00-08:50 F, Ferguson Hall 115, In Person; Devin Kaveler ; 3 cr.

54360 003 DIS, 09:10-10:00 F, Ferguson Hall 149, In Person; Quentin Dishman ; 3 cr.

54361 005 DIS, 09:10-10:00 F, Ferguson Hall 115, In Person; Devin Kaveler ; 3 cr.

3993 Directed Studies

(A-F or Audit; Prereq: instr consent, dept consent, college consent.)

51857 001 IND, In Person; 1-4 cr.

3995 Major Project

(A-F or Audit; Prereq: Undergrad music major in B.A. program, instr consent, dept consent)

51859 001 IND, In Person; 1 cr.

4504 Intensive Theory and Analysis of 20th-Century Music

(A-F or Audit; Prereq: [MUS 3501 and MUS 3511 with grades of at least "C-"] or instr consent)

53726 001 LEC, 09:05-09:55 WF, Ferguson Hall 225, In Person; Tiffany Skidmore ; 2 cr.

53727 002 LAB, 08:00-08:50 M, Ferguson Hall 105, In Person; Evan Fraser ; 2 cr.

53728 003 LAB, 08:00-08:50 M, Ferguson Hall 107, In Person; M. Howard ; 2 cr.

53928 004 LAB, 08:35-09:25 T, Ferguson Hall 123, In Person; Evan Fraser ; 2 cr.

53929 005 LAB, 08:35-09:25 T, Ferguson Hall 149, In Person; Nicholas White ; 2 cr.

4514 Ear-Training and Sight-Singing for 20th-Century Music

(A-F or Audit; Prereq: [MUS 3501 and MUS 3511 with grade of at least C-] or instr consent)

53729 001 LEC, 09:05-09:55 M, Ferguson Hall 225, In Person; Tiffany Skidmore ; 1 cr.

53730 002 DIS, 08:00-08:50 W, Ferguson Hall 105, In Person; M. Howard ; 1 cr.

53731 003 DIS, 08:00-08:50 W, Ferguson Hall 107, In Person; Nicholas White ; 1 cr.

53732 004 DIS, 08:35-09:25 Th, Ferguson Hall 115, In Person; M. Howard ; 1 cr.

53733 005 DIS, 08:35-09:25 Th, Ferguson Hall 123, In Person; Nicholas White ; 1 cr.

5150 Body Awareness in Activity: The Alexander Technique for Musicians

(Student Option;)

53552 001 LAB, 11:15-12:55 Th, Ferguson Hall 95, In Person; Brian McCullough ; 2 cr.

5152 Organ Literature II

(A-F or Audit; Prereq: 3502, 3603, sr or grad or instr consent)

55603 001 LEC, 10:10-12:40 F, Lab TBA, In Person; Dean Billmeyer ; 3 cr.

5182 Advanced Piano Literature II

(A-F or Audit; Prereq: grad piano major or instr consent)

68247 001 LEC, 13:00-15:00 T, Ferguson Hall 225, In Person; Paul Shaw ; 2 cr.

5230 Chorus

(Student Option; Prereq: Choral and/or instrumental music background; audition, instr consent)

51798 001 LAB, 15:35-17:05 MW, Ferguson Hall 90, In Person; Meets With: 001 MUS 3230; Kathy Romey, Christiana Howell ; 1-2 cr.

5240 University Singers

(A-F or Audit; Prereq: Audition, instr consent)

51970 001 LAB, 12:45-14:15 MWF, Ferguson Hall 90, In Person; 1 cr.

5250 Opera Workshop and Ensemble

(A-F or Audit; Prereq: audition, instr consent)

52040 001 LAB, 15:35-18:30 TTh, , In Person; David Walsh ; 2 cr.

52805 002 LAB, 18:30-21:30 MTh, Ferguson Hall 99, In Person; David Walsh ; 2 cr.

5272 Diction for Singers II

(A-F or Audit; Prereq: 12 cr MusA 1304 or grad music major or instr consent)
54362 001 LEC, 10:10-12:05 F, Ferguson Hall 81, In Person; Philip Zawisza ; 2 cr.

5276 Vocal Pedagogy II

(A-F or Audit; Prereq: Sr vocal major or instr consent)
55435 001 DIS, 11:15-12:05 TTh, Ferguson Hall 81, In Person; Victoria Vargas ; 3 cr.

5280 Opera Theatre

(A-F or Audit; Prereq: audition, instr consent)
52957 001 LAB, 10:30-13:30 Sa, , 14:30-17:30 MWFSa, , In Person; David Walsh ; 2 cr.

5340 Jazz Ensemble

(A-F or Audit; Prereq: audition, instr consent)
51785 001 LAB, 15:35-17:00 TTh, Ferguson Hall 95, In Person; Meets With: 001 MUS 3340; Dean Sorenson ; 1 cr.
51786 002 LAB, 11:15-12:05 MWF, Ferguson Hall 95, In Person; Meets With: 002 MUS 3340; Philip Hey ; 1 cr.

5400 University and Campus Bands

(Student Option;)
54912 003 LAB, 19:00-21:00 W, Lab TBA, In Person; Lauren Visel, John Leonard, Betsy McCann ; 1 cr.
54930 002 LAB, 19:00-21:00 M, Lab TBA, In Person; John Leonard, Betsy McCann, Roger Vajda, Rose Tyler ; 1 cr.
54935 001 LAB, 19:00-20:30 MTh, Lab TBA, In Person; Betsy McCann, John Leonard, Roger Vajda, Rose Tyler, Seth Davis, Lauren Visel ; 1 cr.
55897 004 LAB, 19:00-21:00 Th, Lab TBA, In Person; Seth Davis, Betsy McCann, John Leonard ; 1 cr.

5410 University Wind Bands

(A-F or Audit; Prereq: audition, instr consent)
51968 001 LAB, 13:25-15:20 MWF, Ferguson Hall 95, In Person; Meets With: 001 MUS 3410; Emily Threinen, Lauren Visel ; 1 cr.
51969 002 LAB, 13:25-15:20 TTh, Ferguson Hall 95, In Person; Meets With: 002 MUS 3410; Emily Threinen, Jerry Luckhardt, Rose Tyler ; 1 cr.

5420 Orchestra

(A-F or Audit; Prereq: audition, instr consent)
51991 001 LAB, 13:25-15:20 MWF, Ferguson Hall 85, In Person; Meets With: 001 MUS 3420; Mark Russell Smith, Jose Carrillo Silliezar, Andrew Kim ; 1 cr.
54115 002 LAB, In Person; Mark Russell Smith, Jose Carrillo Silliezar, Andrew Kim, Hisham Groover ; 1 cr.

5440 Chamber Ensemble

(A-F or Audit; Prereq: audition, instr consent)
52034 001 LAB, 00:00-00:00 , , In Person; Ellen Dinwiddie Smith ; 1 cr.
52035 002 LAB, 00:00-00:00 , , In Person; ; 1 cr.
52036 003 LAB, 16:30-17:30 W, Lab TBA, In Person; Christian Howard ; 1 cr.
52037 004 LAB, 00:00-00:00 , , In Person; Christian Howard ; 1 cr.
52038 005 LAB, 00:00-00:00 , , In Person; Immanuel Davis ; 1 cr.
54940 006 LAB, In Person; Maja Radovanlija ; 1 cr.
54942 011 LAB, In Person; Maja Radovanlija ; 1 cr.
54943 021 LAB, In Person; ; 1 cr.
54979 007 LAB, In Person; ; 1 cr.
54980 008 LAB, In Person; ; 1 cr.
54981 009 LAB, In Person; Jennifer Gerth ; 1 cr.
54982 010 LAB, In Person; ; 1 cr.
54983 012 LAB, In Person; Marissa Benedict ; 1 cr.
54984 013 LAB, In Person; Sally O'Reilly ; 1 cr.
54985 014 LAB, In Person; Preston Duncan ; 1 cr.
54986 015 LAB, In Person; Preston Duncan ; 1 cr.
54987 016 LAB, In Person; Caroline Lemen ; 1 cr.
54988 017 LAB, In Person; Jean Del Santo ; 1 cr.
54989 018 LAB, In Person; Tanya Remenikova ; 1 cr.
54990 019 LAB, In Person; ; 1 cr.
54991 020 LAB, In Person; Paul Shaw ; 1 cr.
54992 022 LAB, In Person; Timothy Lovelace ; 1 cr.
54993 023 LAB, In Person; Korey Konkol ; 1 cr.
54994 024 LAB, In Person; Alexander Braginsky ; 1 cr.
54995 025 LAB, In Person; Norbert Nielubowski ; 1 cr.
55024 026 LAB, In Person; Sangyoon Kim ; 1 cr.

5450 Orchestral Repertoire

(A-F or Audit; Prereq: instr consent)
54827 001 LAB, 19:30-21:30 Th, Ferguson Hall 90, In Person; Steven Campbell ; 1-3 cr.
55885 002 LAB, In Person; Kathy Kienzle ; 1-3 cr.

5460 World Music Ensemble

(Student Option;)
53364 001 LAB, 18:00-20:00 W, Ferguson Hall 95, In Person; Scott Currie ; 1-2 cr.

5466 Guitar Pedagogy

(A-F or Audit; Prereq: Guitar performance major or instr consent)
54950 001 LEC, 16:00-18:00 T, Lab TBA, In Person; Maja Radovanlija ; 2 cr.

5490 Percussion Ensemble

(A-F or Audit; Prereq: instr consent)
51855 001 LAB, 15:35-17:30 MF, Ferguson Hall 95, In Person; Fernando Meza ; 1 cr.

5494 West African Music Ensemble

(Student Option;)
55436 001 LAB, 15:35-17:05 T, Ferguson Hall 85, In Person; Sowah Mensah ; 1 cr.

5531 Theory and Analysis of Rock and Popular Music

(A-F only;)
68258 001 LEC, 14:00-16:30 T, Ferguson Hall 115, In Person; Alyssa Barna ; 3 cr.
68259 002 LEC, 11:15-13:10 Th, Ferguson Hall 115, 11:15-12:05 T, Ferguson Hall 115, In Person; , Alyssa Barna ; 3 cr.

5550 Class Composition for Performers

(A-F or Audit; Prereq: [4504, 4514 [with C- or better]] or instr consent)
54833 001 LEC, 18:00-21:00 M, Ferguson Hall 123, In Person; Alex Lubet ; 3 cr.

5611 Resources for Music Research

(A-F or Audit; Prereq: 3603)
53969 001 LEC, 11:15-13:45 Th, Ferguson Hall 123, In Person; Kevin Schwandt ; 3 cr.

5647 20th-Century European/American Music

(Student Option; Prereq: MUS 1501 or equiv)
53970 001 LEC, 10:10-11:00 Th, Ferguson Hall 123, 10:10-11:50 T, Ferguson Hall 123, In Person; Karen Painter ; 3 cr.

5731 Jazz and Modernism

(A-F or Audit; Prereq: Graduate student in music or instr consent)
68271 001 LEC, 16:30-19:00 T, Ferguson Hall 205, In Person; Scott Currie ; 3 cr.

5807 Raga Music

(A-F only;)
68255 001 LEC, 14:00-17:00 W, Ferguson Hall 205, In Person; Matthew Rahaim ; 3 cr.

5950 Topics in Music

(Student Option;)
68090 001 LEC, 11:15-12:30 MW, Ferguson Hall 105, In Person; Gabriela Currie ; 1-4 cr.
68254 002 LEC, 10:10-12:45 Th, Ferguson Hall 3, In Person; Alex Lubet ; 1-4 cr.
68270 003 LEC, 14:00-15:15 TTh, , In Person; Sivan Cohen Elias ; 1-4 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent, dept consent, college consent.)
51858 001 IND, In Person; 1-4 cr.

Music Applied (MUSA)

1101 Piano: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
51784 001 LAB, 00:00-00:00 , , In Person; Hyein Choi ; 2-4 cr.
52283 002 LAB, 00:00-01:00 , , In Person; Sujin Cho ; 2-4 cr.
52284 003 LAB, 00:00-00:00 , , In Person; ; 2-4 cr.

1103 Organ: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
51804 001 LAB, 00:00-00:00 , , In Person; Dean Billmeyer ; 2-4 cr.

1104 Voice: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
51805 001 LAB, 00:00-00:00 , , In Person; Ellie Dehn ; 2-4 cr.
52286 002 LAB, 00:00-00:00 , , In Person; Pauline Hsu ; 2-4 cr.
52287 003 LAB, 00:00-00:00 , , In Person; Philip Zawisza ; 2-4 cr.

1105 Violin: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
54927 002 LAB, In Person; Peter McGuire ; 2-4 cr.
54928 003 LAB, In Person; Sally O'Reilly ; 2-4 cr.
54929 004 LAB, In Person; James Zabawa-Martinez ; 2-4 cr.

1107 Cello: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
55000 001 LAB, In Person; Omar Macias ; 2-4 cr.

1111 Oboe: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
55015 001 LAB, 15:30-16:30 M, Lab TBA, In Person; Christine Kim ; 2-4 cr.

1112 Clarinet: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
54998 001 LAB, 15:30-16:30 M, Lab TBA, In Person; Jennifer Gerth ; 2-4 cr.

1113 Saxophone: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
55005 001 LAB, 15:35-16:30 M, Lab TBA, In Person; Preston Duncan ; 2-4 cr.

1114 Bassoon: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
55884 001 LAB, In Person; Norbert Nielubowski ; 2-4 cr.
68837 002 LAB, In Person; Christopher Marshall ; 2-4 cr.

1118 Euphonium: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
55001 001 LAB, In Person; John Tranter ; 2-4 cr.

1119 Tuba: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
55886 001 LAB, In Person; 2-4 cr.

1121 Percussion: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
55011 001 LAB, 15:30-17:30 W, Lab TBA, In Person; ; 2-4 cr.

1123 Guitar: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
51868 001 LAB, 00:00-00:00 , , In Person; 2-4 cr.
52292 002 LAB, 00:00-00:00 , , In Person; 2-4 cr.
52609 003 LAB, 00:00-00:00 , , In Person; 2-4 cr.

1201 Piano: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
53724 002 IND, 14:00-15:30 F, Lab TBA, In Person; Alexander Braginsky ; 2 cr.
53725 003 IND, 13:00-15:00 W, Lab TBA, In Person; Paul Shaw ; 2 cr.

1204 Voice: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
53673 001 IND, 14:30-15:30 TTh, Lab TBA, In Person; Ellie Dehn ; 2 cr.
53674 002 IND, 14:30-15:30 TTh, Lab TBA, In Person; Victoria Vargas ; 2 cr.
53675 003 IND, 14:30-15:30 TTh, Lab TBA, In Person; Jane Giering-De Haan ; 2 cr.
53676 004 IND, 14:30-15:30 TTh, Lab TBA, In Person; John De Haan ; 2 cr.
53677 005 IND, 14:30-15:30 TTh, Lab TBA, In Person; Philip Zawisza ; 2 cr.

1205 Violin: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
54960 001 IND, In Person; Sally O'Reilly ; 2 cr.
55840 002 IND, In Person; Stephanie Arado ; 2 cr.

1206 Viola: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
55842 001 IND, 12:00-13:00 F, Lab TBA, In Person; Korey Konkol ; 2 cr.

1207 Cello: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
55845 001 IND, 15:30-18:30 Th, Lab TBA, In Person; Tanya Remenikova ; 2 cr.

1208 Double Bass: Music Education and BA**(A-F only;)**
54915 001 IND, In Person; Christopher Brown ; 2 cr.**1209 Flute: Music Education and BA**
(A-F only; Prereq: [Music education or BA applied] major, dept consent)54017 001 IND, 15:35-17:00 M, Lab TBA, In Person; Adam Sadberry ; 2 cr.
55847 002 IND, 15:35-17:00 M, Lab TBA, In Person; Julia Bogorad ; 2 cr.**1211 Oboe: Music Education and BA**
(A-F only; Prereq: [Music education or BA applied] major, dept consent)

53678 001 IND, 15:30-16:30 M, Lab TBA, In Person; Christine Kim ; 2 cr.

1212 Clarinet: Music Education and BA
(A-F only; Prereq: [Music education or BA applied] major, dept consent)53679 002 IND, 15:30-16:30 M, Lab TBA, In Person; Sangyoon Kim ; 2 cr.
54919 001 IND, 15:30-16:30 M, Lab TBA, In Person; Jennifer Gerth ; 2 cr.**1213 Saxophone: Music Ed and BA**
(A-F only; Prereq: [Music education or BA applied] major, dept consent)

54219 001 IND, 15:35-16:30 M, Lab TBA, In Person; Preston Duncan ; 2 cr.

1214 Bassoon: Music Education and BA
(A-F only; Prereq: [Music education or BA applied] major, dept consent)53685 001 IND, 15:30-16:30 M, Lab TBA, In Person; Norbert Nielubowski ; 2 cr.
68838 002 IND, 15:30-16:30 M, , In Person; Christopher Marshall ; 2 cr.**1215 French Horn: Music Education and BA**
(A-F only; Prereq: [Music education or BA applied] major, dept consent)53680 001 IND, 15:35-17:30 M, Lab TBA, In Person; Caroline Lemen ; 2 cr.
54920 002 IND, 15:35-17:30 M, Lab TBA, In Person; Ellen Dinwiddie Smith ; 2 cr.**1216 Trumpet: Music Education and BA**
(A-F only; Prereq: [Music education or BA applied] major, dept consent)

53681 001 IND, 15:35-17:30 W, Lab TBA, In Person; Marissa Benedict ; 2 cr.

1217 Trombone: Music Education and BA
(A-F only; Prereq: [Music education or BA applied] major, dept consent)53682 001 IND, 15:30-16:30 W, Lab TBA, In Person; Christian Howard ; 2 cr.
54937 002 IND, 15:30-16:30 W, Lab TBA, In Person; John Tranter ; 2 cr.**1218 Euphonium: Music Education and BA**
(A-F only; Prereq: [Music education or BA applied] major, dept consent)

54821 001 IND, In Person; Christian Howard ; 2 cr.

1219 Tuba: Music Education and BA
(A-F only; Prereq: [Music education or BA applied] major, dept consent)

53683 001 IND, 18:00-19:00 T, Lab TBA, In Person; Steven Campbell ; 2 cr.

1221 Percussion: Music Ed and BA
(A-F only; Prereq: [Music education or BA applied] major, dept consent)

53684 001 IND, 15:30-17:30 W, Lab TBA, In Person; Fernando Meza ; 2 cr.

1223 Guitar: Music Education and BA
(A-F only; Prereq: [Music education or BA applied] major, dept consent)

54911 001 IND, In Person; Maja Radovanlija ; 2 cr.

1301 Piano: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**
52294 001 LAB, In Person; Alexander Braginsky ; 2-4 cr.
52295 002 LAB, In Person; Paul Shaw ; 2-4 cr.
54004 003 LAB, In Person; Timothy Lovelace ; 2-4 cr.**1302 Harpsichord: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
51919 001 LAB, 00:00-00:00 , , In Person; Dean Billmeyer ; 2-4 cr.**1303 Organ: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
51920 001 LAB, 13:25-14:15 T, Lab TBA, In Person; Dean Billmeyer ; 2-4 cr.**1304 Voice: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
51921 001 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Ellie Dehn ; 2-4 cr.
52300 002 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Victoria Vargas ; 2-4 cr.
52301 003 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Jane Giering-De Haan ; 2-4 cr.
52302 004 LAB, 14:30-15:30 TTh, Lab TBA, In Person; John De Haan ; 2-4 cr.
52303 005 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Philip Zawisza ; 2-4 cr.**1305 Violin: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52312 001 LAB, 15:30-18:30 Th, Lab TBA, In Person; Sally O'Reilly ; 2-4 cr.
52313 002 LAB, 15:30-18:30 Th, Lab TBA, In Person; Stephanie Arado ; 2-4 cr.**1306 Viola: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52077 001 LAB, 12:00-13:00 F, Lab TBA, In Person; Corey Konkol ; 2-4 cr.**1307 Cello: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52078 001 LAB, 15:30-18:30 Th, Lab TBA, In Person; Tanya Remenikova ; 2-4 cr.**1308 Double Bass: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52079 001 LAB, 17:00-18:30 Th, Lab TBA, In Person; Christopher Brown ; 2-4 cr.**1309 Flute: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52080 001 LAB, 15:35-17:00 M, Lab TBA, In Person; Julia Bogorad ; 2-4 cr.
52314 002 LAB, 15:35-17:00 M, Lab TBA, In Person; Adam Sadberry ; 2-4 cr.**1311 Oboe: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52081 001 LAB, 15:30-16:30 M, Lab TBA, In Person; Christine Kim ; 2-4 cr.**1312 Clarinet: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52082 001 LAB, 15:30-16:30 M, Lab TBA, In Person; Jennifer Gerth ; 2-4 cr.
54178 002 LAB, 15:30-16:30 M, Lab TBA, In Person; Sangyoon Kim ; 2-4 cr.**1313 Saxophone: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52315 001 LAB, 15:35-16:30 M, Lab TBA, In Person; Preston Duncan ; 2-4 cr.**1314 Bassoon: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52083 001 LAB, 15:30-16:30 M, Lab TBA, In Person; Norbert Nielubowski ; 2-4 cr.
68839 002 LAB, 15:30-16:30 M, , In Person; Christopher Marshall ; 2-4 cr.**1315 French Horn: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52321 002 LAB, 15:35-17:30 M, Lab TBA, In Person; Ellen Dinwiddie Smith ; 2-4 cr.
54423 001 LAB, 15:35-17:30 M, Lab TBA, In Person; Caroline Lemen ; 2-4 cr.**1316 Trumpet: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52084 001 LAB, 15:35-17:30 W, Lab TBA, In Person; Marissa Benedict ; 2-4 cr.**1317 Trombone: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52085 001 LAB, 15:30-16:30 W, Lab TBA, In Person; John Tranter ; 2-4 cr.**1318 Euphonium: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52086 001 LAB, 18:00-19:00 T, Lab TBA, In Person; Christian Howard ; 2-4 cr.**1319 Tuba: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52087 001 LAB, 18:00-19:00 T, Lab TBA, In Person; Steven Campbell ; 2-4 cr.**1321 Percussion: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52088 001 LAB, 15:30-17:30 W, Lab TBA, In Person; Fernando Meza ; 2-4 cr.
52322 002 LAB, 00:00-00:00 , , In Person; Philip Hey ; 2-4 cr.**1322 Harp: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52089 001 LAB, 00:00-00:00 , , In Person; Kathy Kienzie ; 2-4 cr.**1323 Guitar: Music Major****(A-F or Audit; Prereq: Audition, dept consent)**
52090 001 LAB, 15:30-17:00 F, Lab TBA, In Person; Maja Radovanlija ; 2-4 cr.**1401 Piano: Music Major Secondary (undergraduate)****(A-F or Audit; Prereq: Music major, dept consent)**
52181 001 LAB, 00:00-00:00 , , In Person; 2-4 cr.
52285 002 LAB, In Person; Timothy Lovelace ; 2-4 cr.**1403 Organ: Music Major Secondary (undergraduate)****(A-F or Audit; Prereq: Audition, dept consent)**
52182 001 LAB, 00:00-00:00 , , In Person; Thomas Ferry ; 2-4 cr.
55025 002 LAB, In Person; Asako Hirabayashi ; 2-4 cr.**1404 Voice: Music Major Secondary (undergraduate)****(A-F or Audit; Prereq: Audition, dept consent)**
52183 001 LAB, 00:00-00:00 , , In Person; Ellie Dehn ; 2-4 cr.
52288 002 LAB, 00:00-00:00 , , In Person; Pauline Hsu ; 2-4 cr.
52289 003 LAB, 00:00-00:00 , , In Person; Philip Zawisza ; 2-4 cr.
54931 004 LAB, In Person; John De Haan, Alyssa Becker ; 2-4 cr.
55004 005 LAB, In Person; Seokho Park ; 2-4 cr.**1405 Violin: Music Major Secondary (undergraduate)****(A-F or Audit; Prereq: Audition, dept consent)**
52184 001 LAB, 00:00-00:00 , , In Person; 2-4 cr.**1406 Viola: Music Major Secondary (undergraduate)****(A-F or Audit; Prereq: Audition, dept consent)**
54229 001 LAB, In Person; Corey Konkol ; 2-4 cr.**1409 Flute: Music Major Secondary (undergraduate)****(A-F or Audit; Prereq: Audition, dept consent)**
55030 001 LAB, 15:35-17:00 M, Lab TBA, In Person; Adam Sadberry ; 2-4 cr.**1414 Bassoon: Music Major Secondary (undergraduate)****(A-F or Audit; Prereq: Audition, dept consent)**
53550 001 LAB, 15:30-16:30 M, Lab TBA, In Person; Norbert Nielubowski ; 2-4 cr.**1421 Percussion: Music Major Secondary (undergraduate)****(A-F or Audit; Prereq: Audition, dept consent)**
53832 001 LAB, 15:30-17:30 W, Lab TBA, In Person; ; 2-4 cr.**1423 Guitar: Music Major Secondary (undergraduate)****(A-F or Audit; Prereq: Audition, dept consent)**
52185 001 LAB, 00:00-00:00 , , In Person; 2-4 cr.
52293 002 LAB, 00:00-00:00 , , In Person; 2-4 cr.
52610 003 LAB, 00:00-00:00 , , In Person; 2-4 cr.**1904 Voice: Music Major Transfer****(A-F or Audit; Prereq: Audition, dept consent)**
54440 001 LAB, In Person; John De Haan ; 2-4 cr.
54996 002 LAB, In Person; Philip Zawisza ; 2-4 cr.**1909 Flute: Music Major Transfer**
(A-F or Audit; Prereq: Audition, dept consent)

54954 001 LAB, 15:35-17:30 M, Lab TBA, In Person; Immanuel Davis ; 2-4 cr.

1915 French Horn: Music Major Transfer

(A-F or Audit; Prereq: Audition, dept consent) 55003 001 LAB, In Person; Caroline Lemen ; 2-4 cr.

1916 Trumpet: Music Major Transfer

(A-F or Audit; Prereq: Audition, dept consent) 54944 001 LAB, In Person; Marissa Benedict ; 2-4 cr.

1921 Percussion: Music Major Transfer

(A-F or Audit; Prereq: Audition, dept consent) 55031 001 LAB, In Person; Fernando Meza ; 2-4 cr.

2201 Piano: Music Ed and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent) 54200 003 IND, In Person; Paul Shaw ; 2 cr.

2203 Organ: Music Education and BA

(A-F only; Prereq: dept consent) 54934 001 IND, In Person; Dean Billmeyer ; 2 cr.

2204 Voice: Music Education and BA

(A-F only; Prereq: dept consent) 53719 001 IND, 14:30-15:30 TTh, Lab TBA, In Person; Ellie Dehn ; 2 cr.
53720 002 IND, 14:30-15:30 TTh, Lab TBA, In Person; Victoria Vargas ; 2 cr.
53721 003 IND, 14:30-15:30 TTh, Lab TBA, In Person; Jane Giering-De Haan ; 2 cr.
53722 004 IND, 14:30-15:30 TTh, Lab TBA, In Person; John De Haan ; 2 cr.
53723 005 IND, 14:30-15:30 TTh, Lab TBA, In Person; Philip Zawisza ; 2 cr.

2205 Violin: Music Education and BA

(A-F only; Prereq: dept consent) 54428 001 IND, In Person; Sally O'Reilly ; 2 cr.
55841 002 IND, In Person; Stephanie Arado ; 2 cr.

2206 Viola: Music Education and BA

(A-F only; Prereq: dept consent) 54437 001 IND, 12:00-13:00 F, Lab TBA, In Person; Corey Konkol ; 2 cr.

2207 Cello: Music Education and BA

(A-F only; Prereq: dept consent) 54209 001 IND, 15:30-18:30 Th, Lab TBA, In Person; Tanya Remenikova ; 2 cr.

2208 Bass: Music Education and BA

(A-F only; Prereq: dept consent) 54952 001 IND, In Person; Christopher Brown ; 2 cr.

2209 Flute: Music Education and BA

(A-F only; Prereq: dept consent) 54198 001 IND, 15:35-17:00 M, Lab TBA, In Person; Adam Sadberry ; 2 cr.
55848 002 IND, 15:35-17:00 M, Lab TBA, In Person; Julia Bogorad ; 2 cr.

2211 Oboe: Music Education and BA

(A-F only; Prereq: dept consent) 55595 001 IND, 15:30-16:30 M, Lab TBA, In Person; Christine Kim ; 2 cr.

2212 Clarinet: Music Education and BA

(A-F only; Prereq: dept consent) 53939 001 IND, 15:30-16:30 M, Lab TBA, In Person; Jennifer Gerth ; 2 cr.
54445 002 IND, 15:30-16:30 M, Lab TBA, In Person; Sangyoon Kim ; 2 cr.

2213 Saxophone: Music Education and BA

(A-F only; Prereq: dept consent) 54435 001 IND, 15:35-16:30 M, Lab TBA, In Person; Preston Duncan ; 2 cr.

2214 Bassoon: Music Education and BA

(A-F only; Prereq: dept consent) 55586 001 IND, 15:30-16:30 M, Lab TBA, In Person; Norbert Nielubowski ; 2 cr.

2215 French Horn: Music Education and BA

(A-F only; Prereq: dept consent) 54872 001 IND, 15:35-17:30 M, Lab TBA, In Person; Caroline Lemen ; 2 cr.
55592 002 IND, 15:35-17:30 M, Lab TBA, In Person; Ellen Dinwiddie Smith ; 2 cr.

2216 Trumpet: Music Education and BA

(A-F only; Prereq: dept consent) 54226 001 IND, 15:35-17:30 W, Lab TBA, In Person; Marissa Benedict ; 2 cr.

2217 Trombone: Music Education and BA

(A-F only; Prereq: dept consent) 54438 001 IND, 15:30-16:30 W, Lab TBA, In Person; Christian Howard ; 2 cr.

2218 Euphonium: Music Education and BA

(A-F only; Prereq: dept consent) 55916 001 IND, In Person; Christian Howard ; 2 cr.

2219 Tuba: Music Education and BA

(A-F only; Prereq: dept consent) 55852 001 IND, In Person; Steven Campbell ; 2 cr.

2221 Percussion: Music Education and BA

(A-F only; Prereq: dept consent) 54424 001 IND, 15:30-17:30 W, Lab TBA, In Person; Fernando Meza ; 2 cr.
55893 002 IND, In Person; Philip Hey ; 2 cr.

2222 Harp: Music Education and BA

(A-F only; Prereq: dept consent) 54425 001 IND, In Person; Kathy Kienzle ; 2 cr.

2223 Guitar: Music Education and BA

(A-F only; Prereq: dept consent) 54949 001 IND, In Person; Maja Radovanlija ; 2 cr.

2301 Piano: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52464 002 LAB, 16:30-18:00 T, Lab TBA, In Person; Alexander Braginsky ; 2-4 cr.
52465 003 LAB, 16:30-18:00 T, Lab TBA, In Person; Paul Shaw ; 2-4 cr.
54214 004 LAB, 12:30-14:30 M, Lab TBA, In Person; Timothy Lovelace ; 2-4 cr.

2302 Harpsichord: Music Major

(A-F or Audit; Prereq: Audition, instr consent) 52466 001 LAB, 00:00-00:00 , , In Person; Dean Billmeyer ; 2-4 cr.

2303 Organ: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52467 001 LAB, 13:25-14:15 T, Lab TBA, In Person; Dean Billmeyer ; 2-4 cr.

2304 Voice: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52468 001 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Ellie Dehn ; 2-4 cr.
52469 002 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Victoria Vargas ; 2-4 cr.
52470 003 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Jane Giering-De Haan ; 2-4 cr.
52471 004 LAB, 14:30-15:30 TTh, Lab TBA, In Person; John De Haan ; 2-4 cr.
52472 005 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Philip Zawisza ; 2-4 cr.

2305 Violin: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52473 001 LAB, 15:30-18:30 Th, Lab TBA, In Person; Sally O'Reilly ; 2-4 cr.
52474 002 LAB, 15:30-18:30 Th, Lab TBA, In Person; Stephanie Arado ; 2-4 cr.

2306 Viola: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52475 001 LAB, 12:00-13:00 F, Lab TBA, In Person; Corey Konkol ; 2-4 cr.

2307 Cello: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52476 001 LAB, 15:30-18:30 Th, Lab TBA, In Person; Tanya Remenikova ; 2-4 cr.

2308 Double Bass: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52477 001 LAB, 17:00-18:30 Th, Lab TBA, In Person; Christopher Brown ; 2-4 cr.

2309 Flute: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52478 001 LAB, 15:35-17:00 M, Lab TBA, In Person; Julia Bogorad ; 2-4 cr.
52479 002 LAB, 15:35-17:00 M, Lab TBA, In Person; Adam Sadberry ; 2-4 cr.

2311 Oboe: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

52480 001 LAB, 15:30-16:30 M, Lab TBA, In Person; Christine Kim ; 2-4 cr.

2312 Clarinet: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52481 001 LAB, 15:35-16:30 M, Lab TBA, In Person; Jennifer Gerth ; 2-4 cr.
54826 002 LAB, 15:30-16:30 M, Lab TBA, In Person; Sangyoon Kim ; 2-4 cr.

2313 Saxophone: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52482 001 LAB, 15:35-16:30 M, Lab TBA, In Person; Preston Duncan ; 2-4 cr.

2314 Bassoon: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52483 001 LAB, 15:30-16:30 M, Lab TBA, In Person; Norbert Nielubowski ; 2-4 cr.
55851 002 LAB, In Person; Fei Xie ; 2-4 cr.

2315 French Horn: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52484 002 LAB, 15:35-17:30 M, Lab TBA, In Person; Caroline Lemen ; 2-4 cr.
54913 003 LAB, 15:35-17:30 M, Lab TBA, In Person; Ellen Dinwiddie Smith ; 2-4 cr.

2316 Trumpet: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52485 001 LAB, 15:35-17:30 W, Lab TBA, In Person; Marissa Benedict ; 2-4 cr.

2317 Trombone: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52486 001 LAB, 15:30-16:30 W, Lab TBA, In Person; Christian Howard ; 2-4 cr.

2318 Euphonium: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52487 001 LAB, 18:00-19:00 T, Lab TBA, In Person; Christian Howard ; 2-4 cr.

2319 Tuba: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52488 001 LAB, 18:00-19:00 T, Lab TBA, In Person; Steven Campbell ; 2-4 cr.

2321 Percussion: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52489 001 LAB, 15:30-17:30 W, Lab TBA, In Person; Fernando Meza ; 2-4 cr.
52490 002 LAB, 15:30-17:30 W, Lab TBA, In Person; Philip Hey ; 2-4 cr.

2322 Harp: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52491 001 LAB, 00:00-00:00 , , In Person; Kathy Kienzle ; 2-4 cr.

2323 Guitar: Music Major

(A-F or Audit; Prereq: Audition, dept consent) 52492 001 LAB, 15:30-17:00 F, Lab TBA, In Person; Maja Radovanlija ; 2-4 cr.

3101 Piano: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent) 52775 001 LAB, 00:00-00:00 , , In Person; Amos Lucidi ; 2-4 cr.
52958 002 LAB, 00:00-00:00 , , In Person; Dora Tsang ; 2-4 cr.
52959 003 LAB, 00:00-00:00 , , In Person; Juhee Park ; 2-4 cr.
54997 004 LAB, In Person; Paul Shaw ; 2-4 cr.

3103 Organ: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent) 51892 001 LAB, 00:00-00:00 , , In Person; Dean Billmeyer ; 2-4 cr.

3104 Voice: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent) 52708 001 LAB, 00:00-00:00 , , In Person; 2-4 cr.
52960 002 LAB, 00:00-00:00 , , In Person; 2-4 cr.
52961 003 LAB, 00:00-00:00 , , In Person; 2-4 cr.
52962 004 LAB, 00:00-00:00 , , In Person; 2-4 cr.

3105 Violin: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent) 52290 001 LAB, 00:00-00:00 , , In Person; 2-4 cr.
52607 002 LAB, 00:00-00:00 , , In Person; 2-4 cr.

3121 Percussion: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)

51903 001 LAB, 00:00-00:00 , , In Person; 2-4 cr.
52291 002 LAB, 00:00-00:00 , , In Person; 2-4 cr.

3123 Guitar: Elective (non-major in music)**(A-F or Audit; Prereq: dept consent)**

51904 001 LAB, 00:00-00:00 , , In Person; 2-4 cr.
53157 002 LAB, 00:00-00:00 , , In Person; 2-4 cr.
53158 003 LAB, 00:00-00:00 , , In Person; 2-4 cr.

3201 Piano: Music Ed and BA**(A-F only;)**

54189 003 IND, 13:00-15:00 W, Lab TBA, In Person; Paul Shaw ; 2 cr.

3204 Voice: Music Education and BA**(A-F only;)**

53711 001 IND, 14:30-15:30 TTh, Lab TBA, In Person; Ellie Dehn ; 2 cr.
53712 002 IND, 14:30-15:30 TTh, Lab TBA, In Person; Victoria Vargas ; 2 cr.
53713 003 IND, 14:30-15:30 TTh, Lab TBA, In Person; Jane Giering-De Haan ; 2 cr.
53714 004 IND, 14:30-15:30 TTh, Lab TBA, In Person; John De Haan ; 2 cr.
53715 005 IND, 14:30-15:30 TTh, Lab TBA, In Person; Philip Zawisza ; 2 cr.

3205 Violin: Music Education and BA**(A-F only;)**

54190 002 IND, 15:30-18:30 Th, Lab TBA, In Person; Stephanie Arado ; 2 cr.
54436 001 IND, In Person; Sally O'Reilly ; 2 cr.

3206 Viola: Music Education and BA**(A-F only;)**

55843 001 IND, 12:00-13:00 F, Lab TBA, In Person; Korey Konkol ; 2 cr.

3207 Cello: Music Education and BA**(A-F only;)**

55846 001 IND, 15:30-18:30 Th, Lab TBA, In Person; Tanya Remenikova ; 2 cr.

3209 Flute: Music Education and BA**(A-F only;)**

54420 001 IND, 15:35-17:00 M, Lab TBA, In Person; Adam Sadberry ; 2 cr.
55849 002 IND, 15:35-17:00 M, Lab TBA, In Person; Julia Bogorad ; 2 cr.

3211 Oboe: Music Education and BA**(A-F only;)**

54422 001 IND, 15:30-16:30 M, Lab TBA, In Person; Christine Kim ; 2 cr.

3212 Clarinet: Music Education and BA**(A-F only;)**

54199 001 IND, 15:30-16:30 M, Lab TBA, In Person; Jennifer Gerth ; 2 cr.
54218 002 IND, 15:30-16:30 M, Lab TBA, In Person; Sangyoon Kim ; 2 cr.

3213 Saxophone: Music Education and BA**(A-F only;)**

54177 001 IND, 15:35-16:30 M, Lab TBA, In Person; Preston Duncan ; 2 cr.

3214 Bassoon: Music Education and BA**(A-F only;)**

55587 001 IND, 15:30-16:30 M, Lab TBA, In Person; Norbert Nielubowski ; 2 cr.

3215 French Horn: Music Education and BA**(A-F only;)**

54225 001 IND, 15:35-17:30 M, Lab TBA, In Person; Caroline Lemen ; 2 cr.
55593 002 IND, 15:35-17:30 M, Lab TBA, In Person; Ellen Dinwiddie Smith ; 2 cr.

3216 Trumpet: Music Education and BA**(A-F only;)**

54836 001 IND, 15:35-17:30 W, Lab TBA, In Person; Marissa Benedict ; 2 cr.

3217 Trombone: Music Education and BA**(A-F only;)**

54820 001 IND, 15:30-16:30 W, Lab TBA, In Person; Christian Howard ; 2 cr.

3219 Tuba: Music Education and BA**(A-F only;)**

55853 001 IND, In Person; Steven Campbell ; 2 cr.

3221 Percussion: Music Education and BA**(A-F only;)**

54858 001 IND, 15:30-17:30 W, Lab TBA, In Person; Fernando Meza ; 2 cr.
55894 002 IND, In Person; Philip Hey ; 2 cr.

3222 Harp: Music Education and BA**(A-F only;)**

53937 001 IND, 00:00-00:00 , , In Person; Kathy Kienzle ; 2 cr.

3223 Guitar: Music Education and BA**(A-F only; Prereq: Audition, dept consent)**

54217 001 LAB, 15:30-17:00 F, Lab TBA, In Person; Maja Radovanlija ; 2 cr.

3301 Piano: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52296 001 LAB, 16:30-18:00 T, Lab TBA, In Person; Alexander Braginsky ; 2-4 cr.
52297 002 LAB, 16:30-18:00 T, Lab TBA, In Person; Paul Shaw ; 2-4 cr.
54443 003 LAB, In Person; Timothy Lovelace ; 2-4 cr.

3302 Harpsichord: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52091 001 LAB, 00:00-00:00 , , In Person; Dean Billmeyer ; 2-4 cr.

3303 Organ: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52092 001 LAB, 13:25-14:15 T, Lab TBA, In Person; Dean Billmeyer ; 2-4 cr.
54419 002 LAB, In Person; Thomas Ferry ; 2-4 cr.

3304 Voice: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52093 001 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Ellie Dehn ; 2-4 cr.
52304 002 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Victoria Vargas ; 2-4 cr.
52305 003 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Jane Giering-De Haan ; 2-4 cr.
52306 004 LAB, 14:30-15:30 TTh, Lab TBA, In Person; John De Haan ; 2-4 cr.
52307 005 LAB, 14:30-15:30 TTh, Lab TBA, In Person; Philip Zawisza ; 2-4 cr.

3305 Violin: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52316 001 LAB, 15:30-18:30 Th, Lab TBA, In Person; Sally O'Reilly ; 2-4 cr.
53390 002 LAB, 15:30-18:30 Th, Lab TBA, In Person; Stephanie Arado ; 2-4 cr.
54875 003 LAB, 15:30-18:30 Th, Lab TBA, In Person; Kyu-Young Kim ; 2-4 cr.

3306 Viola: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52113 001 LAB, In Person; Korey Konkol ; 2-4 cr.

3307 Cello: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52114 001 LAB, 15:30-18:30 Th, Lab TBA, In Person; Tanya Remenikova ; 2-4 cr.

3308 Double Bass: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52115 001 LAB, 17:00-18:30 Th, Lab TBA, In Person; Christopher Brown ; 2-4 cr.

3309 Flute: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52116 001 LAB, 15:35-17:00 M, Lab TBA, In Person; Julia Bogorad ; 2-4 cr.
52320 002 LAB, 15:35-17:00 M, Lab TBA, In Person; Adam Sadberry ; 2-4 cr.

3311 Oboe: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52117 001 LAB, 15:30-16:30 M, Lab TBA, In Person; Christine Kim ; 2-4 cr.

3312 Clarinet: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52118 003 LAB, 15:30-16:30 M, Lab TBA, In Person; Sangyoon Kim ; 2-4 cr.
54955 002 LAB, 15:30-16:30 M, Lab TBA, In Person; Jennifer Gerth ; 2-4 cr.

3313 Saxophone: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52119 001 LAB, 15:35-16:30 M, Lab TBA, In Person; Preston Duncan ; 2-4 cr.

3314 Bassoon: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52120 001 LAB, 15:30-16:30 M, Lab TBA, In Person; Norbert Nielubowski ; 2-4 cr.
53938 002 LAB, 15:30-16:30 M, Lab TBA, In Person; Fei Xie ; 2-4 cr.

3315 French Horn: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52323 001 LAB, 15:35-17:30 M, Lab TBA, In Person; Caroline Lemen ; 2-4 cr.
54418 002 LAB, 15:35-17:30 M, Lab TBA, In Person; Ellen Dinwiddie Smith ; 2-4 cr.

3316 Trumpet: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52121 001 LAB, 15:35-17:30 W, Lab TBA, In Person; Marissa Benedict ; 2-4 cr.

3317 Trombone: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52122 001 LAB, 15:30-16:30 W, Lab TBA, In Person; Christian Howard ; 2-4 cr.

3318 Euphonium: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52123 001 LAB, 18:00-19:00 T, Lab TBA, In Person; Christian Howard ; 2-4 cr.

3319 Tuba: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52124 001 LAB, 18:00-19:00 T, Lab TBA, In Person; Steven Campbell ; 2-4 cr.

3321 Percussion: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52125 001 LAB, 15:30-17:30 W, Lab TBA, In Person; Fernando Meza ; 2-4 cr.
52325 002 LAB, 15:30-17:30 W, Lab TBA, In Person; Philip Hey ; 2-4 cr.

3322 Harp: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52126 001 LAB, 00:00-00:00 , , In Person; Kathy Kienzle ; 2-4 cr.

3323 Guitar: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

52127 001 LAB, 15:30-17:00 F, Lab TBA, In Person; Maja Radovanlija ; 2-4 cr.

5101 Piano: Elective (graduate non-major in music)**(A-F or Audit; Prereq: dept consent)**

51908 001 LAB, 00:00-00:00 , , In Person; Timothy Lovelace ; 2 cr.

5103 Organ: Elective (graduate non-major in music)**(A-F or Audit; Prereq: dept consent)**

51914 001 LAB, 00:00-00:00 , , In Person; Dean Billmeyer ; 2 cr.

5104 Voice: Elective (graduate non-major in music)**(A-F or Audit; Prereq: dept consent)**

51915 001 LAB, 00:00-00:00 , , In Person; ; 2 cr.
54958 002 LAB, In Person; ; 2 cr.

5105 Violin: Elective (graduate non-major in music)**(A-F or Audit; Prereq: dept consent)**

51916 001 LAB, 00:00-00:00 , , In Person; Sally O'Reilly ; 2 cr.
52317 002 LAB, 00:00-00:00 , , In Person; 2 cr.

5106 Viola: Elective (graduate non-major in music)**(A-F or Audit; Prereq: dept consent)**

55844 001 LAB, In Person; Korey Konkol ; 2 cr.

5121 Percussion: Elective (graduate non-major in music)**(A-F or Audit; Prereq: dept consent)**

51917 001 LAB, 00:00-00:00 , , In Person; 2 cr.

5123 Guitar: Elective (graduate non-major in music)**(A-F or Audit; Prereq: dept consent)**

51918 001 LAB, 00:00-00:00 , , In Person; 2 cr.

5401 Piano: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
52186 001 LAB, 00:00-00:00 , , In Person; Paul Shaw ; 2-4 cr.

5403 Organ: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
52221 001 LAB, 00:00-00:00 , , In Person; Dean Billmeyer ; 2-4 cr.

5404 Voice: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
52222 001 LAB, 00:00-00:00 , , In Person; Ellie Dehn ; 2-4 cr.
55019 002 LAB, In Person; Philip Zawisza ; 2-4 cr.

5405 Violin: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
52223 001 LAB, 00:00-00:00 , , In Person; Kyu-Young Kim ; 2-4 cr.

5414 Bassoon: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
54936 001 LAB, In Person; Norbert Nielubowski ; 2-4 cr.

5417 Trombone: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
68800 001 LAB, In Person; Christian Howard ; 2-4 cr.

5421 Percussion: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
52225 001 LAB, 15:30-17:30 W, Lab TBA, In Person; Fernando Meza ; 2-4 cr.

5423 Guitar: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
52326 002 LAB, 00:00-00:00 , , In Person; 2-4 cr.

Music Education (MUED)**3803 Guitar II for Music Education and Music Therapy Majors: Developing Group Songleading Skills**

(A-F only; Prereq: 3802 with grade of at least C-, [music therapy or music education major], dept consent)
53299 001 LAB, 08:00-08:50 MW, Ferguson Hall 90, In Person; Todd Schwartzberg ; 2 cr.

3807 Percussion Techniques for Music Therapists

(A-F or Audit;)
53368 001 LEC, 12:20-13:10 TTh, Ferguson Hall 151, In Person; Pim Pankaew ; 2 cr.

4418 Style, Pedagogy, and Diction in the Choral Music Classroom II

(A-F only; Prereq: two semesters of applied lessons at college level)
54815 001 LAB, 13:25-14:15 TTh, , In Person; ; 2 cr.

4503 Woodwind Techniques and Teaching

(A-F or Audit;)
54366 001 LEC, 10:10-11:00 MWF, , In Person; Emily Brewer ; 2 cr.

4505 Percussion Techniques and Teaching

(A-F or Audit;)
67245 001 LAB, 12:20-13:10 MWF, Ferguson Hall 95, In Person; Jarod Bendele ; 2 cr.

5301 General Music I

(A-F or Audit; Prereq: MUED 1201, MUS 4504, MUS 4514, [music education major or instr consent], successful completion of soph proficiency exam)
53187 001 LEC, 10:00-11:45 TTh, Ferguson Hall 107, In Person; Akosua Addo ; 3 cr.

5350 Student Teaching in Classroom Music (A-F or Audit;)

51901 001 FWK, 00:00-00:00 , , In Person; Akosua Addo ; 4-8 cr.

5415 Choral/Vocal Methods and Materials I (A-F only; Prereq: MUED 1201, MUS 4504, MUS 4514, [music education major or instr consent], successful completion of soph proficiency exam)

53562 001 LAB, 08:00-09:45 TTh, Ferguson Hall 107, In Person; Keitha Hamann ; 3 cr.

5450 Student Teaching in Vocal Music (A-F or Audit;)

51900 001 FWK, 00:00-00:00 , , In Person; Keitha Hamann ; 4-8 cr.

5516 Instrumental Methods and Materials I (A-F only; Prereq: MUED 1201, MUS 4504, and MUS 4514 with a grade of C- or better, music education major, successful completion of Music Education sophomore proficiency exam)

53563 001 LEC, 08:00-09:45 TTh, Ferguson Hall 105, In Person; Emily Heuschele ; 3 cr.

5550 Student Teaching in Instrumental Music (A-F or Audit;)

51780 001 FWK, 00:00-00:00 , , In Person; Emily Heuschele ; 4-8 cr.

5650 Student Teaching Seminar

(A-F or Audit; Prereq: At least C- in all required [music, music education, professional education] courses)
52566 001 LEC, 16:30-17:45 T, Ferguson Hall 203, In Person; Casey Clementson ; 2 cr.

5800 Group Music Leadership Skills

(A-F or Audit; Prereq: [[Completion of [MUS 1151, MUS 1152] or MUS 1155], music therapy major] or instr consent)
53210 001 LAB, 11:15-12:45 TTh, Ferguson Hall 149, In Person; Todd Schwartzberg ; 3 cr.

5805 Music Therapy Methods and Procedures II

(A-F only; Prereq: 5804 or instr consent)
53211 001 LEC, 09:05-09:55 MWThF, Ferguson Hall 151, In Person; Michael Silverman ; 4 cr.

5806 Career Preparation

(A-F or Audit; Prereq: 5805 or instr consent)
52180 001 LEC, 10:10-11:00 MWThF, Ferguson Hall 151, In Person; Michael Silverman ; 4 cr.

5855 Music Therapy Internship

(S-N or Audit; Prereq: Music therapy major, instr consent)
52281 001 FWK, 00:00-00:00 , , In Person; Michael Silverman ; 1-13 cr.

Natural Resources Sci and Mgmt (NR)**5021 Statistics for Agricultural and Natural Resource Professionals**

(Student Option; Prereq: College algebra or instructor consent)
65991 001 LEC, Completely Online; Chad Babcock ; 3 cr.

Naval Science (NAV)**1000 Professional Training in Naval Science**

(S-N or Audit; Prereq: enrolled in NROTC)
63498 001 LAB, 06:15-08:50 T, Armory Building 100, In Person; Meets With: 001 NAV 2000001 NAV 4000001 NAV 3000; Michael Marini ; 1 cr.

1102 Seapower and Maritime Affairs

(A-F or Audit;)
63493 001 LEC, 10:15-11:30 TTh, Armory Building 205, In Person; Macian Campbell ; 3 cr.

2000 Professional Training in Naval Science

(S-N or Audit; Prereq: Soph enrolled in NROTC)
63499 001 LAB, 06:15-08:50 T, Armory Building 100, In Person; Meets With: 001 NAV 4000001 NAV 1000001 NAV 3000; Michael Marini ; 1 cr.

2202 Ship Systems II: Science and Technology in Naval Weapons Systems

(A-F or Audit;)
63522 001 LEC, 08:30-09:45 MW, Nicholson Hall 345, In Person; Scott Chrisfield ; 3 cr.

3000 Professional Training in Naval Science

(S-N or Audit; Prereq: Jr enrolled in NROTC)
63500 001 LAB, 06:15-08:50 T, Armory Building 100, In Person; Meets With: 001 NAV 2000001 NAV 4000001 NAV 1000; Michael Marini ; 1 cr.

3301 Navigation I: Piloting and Celestial Navigation

(A-F or Audit;)
63521 001 LEC, 08:30-09:45 MW, Armory Building 205, In Person; Macian Campbell ; 3 cr.

3309 Fundamentals of Maneuver Warfare

(A-F or Audit;)
68742 001 LEC, 12:00-13:15 TTh, , In Person; Austin Duke ; 3 cr.

4000 Professional Training in Naval Science

(S-N or Audit; Prereq: Sr enrolled in NROTC)
63501 001 LAB, 06:15-08:50 T, Armory Building 100, In Person; Meets With: 001 NAV 1000001 NAV 2000001 NAV 3000; Michael Marini ; 1 cr.

4402W Leadership and Ethics

(A-F or Audit; Prereq: NAV 4401WCIV,WI)
63494 001 LEC, 14:30-15:45 Th, Armory Building 205, 16:00-17:15 T, Armory Building 205, In Person; Blake Tornga ; 3 cr.

Neuroscience (NSC)**5661 Behavioral Neuroscience**

(A-F or Audit; Prereq: Grad NSc major or grad NSc minor or instr consent)
60922 001 DIS, 09:45-11:00 WF, Nils Hasselmo Hall 2-101, In Person; Stephanie Groman, Thomas Naselaris ; 2 cr.

Neuroscience Department (NSCI)**1001 Fundamental Neuroscience: Understanding Ourselves**

(A-F only; TS)
61232 001 LEC, 11:15-12:30 TTh, Moos Health Sci Tower 2-650, In Person; Alfonso Araque ; 3 cr.

1002 Social Neuroscience: Understanding Others

(A-F only; Prereq: None)
61494 001 LEC, 13:00-14:15 TTh, Moos Health Sci Tower 2-530, In Person; Angeline Dukes ; 3 cr.

3001W Neuroscience and Society

(A-F only; CIV,WI)
61292 001 LEC, 09:45-11:00 TTh, Bruininks Hall 312, In Person; Janet Dubinsky ; 4 cr.

3101 Neurobiology I: Molecules, Cells, and Systems

(A-F or Audit; Prerequisites.)
61832 001 LEC, 09:05-09:55 MWF, Phillips-Wangenstn Bldg 2-470, In Person; Meets With: 001 NSCI 5101; Prakash Kara, Mark Masino ; 3 cr.

3102W Neurobiology II: Perception and Behavior

(A-F or Audit; WI)
61150 001 LEC, 13:25-14:15 WF, Nils Hasselmo Hall 2-101, In Person; Geoff Ghose ; 3 cr.
61303 002 DIS, 11:15-12:05 M, Moos Health Sci Tower 1-455, In Person; Geoff Ghose ; 3 cr.
61304 003 DIS, 12:20-13:10 M, Moos Health Sci Tower 1-455, In Person; Geoff Ghose ; 3 cr.
61305 004 DIS, 12:20-13:10 M, Moos Health Sci Tower 1-460, In Person; Geoff Ghose ; 3 cr.
61306 005 DIS, 13:25-14:15 M, Moos Health Sci Tower 1-455, In Person; Geoff Ghose ; 3 cr.
61307 006 DIS, 13:25-14:15 M, Moos Health Sci Tower 1-460, In Person; Geoff Ghose ; 3 cr.
61308 007 DIS, 14:30-15:20 M, Moos Health Sci Tower 1-455, In Person; Geoff Ghose ; 3 cr.

3505W Mind and Brain

(A-F only; Prerequisites. However, I have found that students who have EITHER a strong computational background (computer science, mathematics, economics, physics) OR have taken an introductory neuroscience course (e.g. Nsci 2100) have done better in the class than students with no background. However, I have seen students come in with very little background and do well in the class if they engage with the class and work hard.WI)

61842 001 LEC, 13:25-15:20 MW, Moos Health Sci Tower 5-125, In Person; Meets With: 001 NSCI 5505; David Redish ; 4 cr.

4101 Development of the Nervous System: Cellular and Molecular Mechanisms

(A-F only;)

61992 001 LEC, 08:15-09:30 WF, Nils Hasselmo Hall 2-101, In Person; Yasushi Nakagawa, Gordon Smith ; 3 cr.

4150 Advanced Topics in Neuroscience

(A-F or Audit;)

68299 001 LEC, 09:45-12:30 T, Mayo Bldg & Additions 1250, In Person; Lorene Lanier ; 3 cr.

4201 Neuroscience of Drug Abuse

(A-F only;)

61839 001 LEC, 14:30-15:45 TTh, Phillips-Wangenstn Bldg 2-470, In Person; Mark Thomas ; 3 cr.

4793W Directed Studies: Writing Intensive

(S-N or Audit; Prereq: instr consent, dept consent; no more than 7 cr of [4793, 4794, 4993, 4994] may count toward major requirementsWI)

61068 001 IND, 00:00-00:00 , , In Person; Lorene Lanier ; 1-6 cr.

4794W Directed Research: Writing Intensive

(S-N or Audit; Prereq: instr consent, dept consent; no more than 7 cr of [4793, 4794, 4993, 4994] may count toward major requirementsWI)

61069 001 IND, In Person; Lorene Lanier ; 1-6 cr.
61855 002 IND, In Person; Lorene Lanier ; 1-6 cr.

4993 Directed Studies

(S-N or Audit; Prereq: instr consent, dept consent; max of 7 cr of 4993 and/or 4994 may count toward major requirements)

61005 001 IND, 00:00-00:00 , , In Person; Lorene Lanier ; 1-7 cr.

4994 Directed Research

(S-N or Audit; Prereq: instr consent, dept consent; max of 7 cr of 4993 and/or 4994 may count toward major requirements)

61006 001 IND, 00:00-00:00 , , In Person; Lorene Lanier ; 1-6 cr.

5101 Neurobiology I: Molecules, Cells, and Systems

(A-F or Audit; Prerequisites.)

61833 001 LEC, 09:05-09:55 MWF, Phillips-Wangenstn Bldg 2-470, In Person; Meets With: 001 NSCI 3101; Prakash Kara, Mark Masino ; 3 cr.

5111 Medical Neuroscience for Graduate Students

(A-F or Audit; Prereq: Credit will not be granted if credit has been received for: 6111; BioC 3021, Biol 4004, instr consent; intended for grad students who require a comprehensive medically-oriented neuroscience course)

61114 001 LEC, In Person; 5 cr.
61115 002 LAB, In Person; 5 cr.

5505 Mind and Brain

(A-F only; Prerequisites. However, I have found that students who have EITHER a strong computational background (computer science, mathematics, economics, physics) OR have taken an introductory neuroscience course (e.g. NSCI 2100) have done better in the class than students with no background. However, I have seen students come in with very little background and do well in the class if they engage with the class and work hard.)

67246 001 LEC, 13:25-15:20 MW, Moos Health Sci Tower 5-125, In Person; Meets With: 001 NSCI 3505W; David Redish ; 4 cr.

5551 Statistical Foundations of Systems Neuroscience

(A-F only;)

61857 001 LEC, 08:30-09:45 TTh, Moos Health Sci Tower 1-430, In Person; Benjamin Hayden, Jan Zimmermann ; 3 cr.

Norwegian (NOR)**1002 Beginning Norwegian**

(Student Option; Prereq: 1001)

51948 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 16, Partially Online; Meets With: 001 NOR 4002; Kyle Korynta ; 5 cr.

52917 002 DIS, 17:00-18:25 MWTh, Twin Cities Remote, Completely Online; Meets With: 002 NOR 4002; Kyle Korynta ; 5 cr.

1004 Intermediate Norwegian

(Student Option; Prereq: 1103)

51949 001 DIS, 13:25-14:15 MTWTh, Peik Hall 165, Partially Online; Meets With: 001 NOR 4004; Kyle Korynta ; 5 cr.

4002 Beginning Norwegian for Graduate Research

(Student Option;)

52237 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 16, In Person; Meets With: 001 NOR 1002; Kyle Korynta ; 5 cr.

52918 002 DIS, 17:00-18:25 MWTh, Twin Cities Remote, Completely Online; Meets With: 002 NOR 1002; Kyle Korynta ; 5 cr.

4004 Intermediate Norwegian for Graduate Research

(Student Option; Prereq: 1004 in another language or passing score on LPE or grad student)

52238 001 DIS, 13:25-14:15 MTWTh, Peik Hall 165, In Person; Meets With: 001 NOR 1004; Kyle Korynta ; 5 cr.

Nursing (NURS)**1031 Nursing First Year Seminar II**

(A-F only;)

62521 001 LEC, 12:20-13:10 W, Health Sciences Edu Ctr 3-150, In Person; Carol Flaten, Martha Scott Johnson ; 1 cr.

2001 Human Growth and Development: A Life Span Approach

(Student Option;)

62325 001 LEC, Completely Online; Laura Kirk ; 3 cr.
62334 002 LEC, Completely Online; Laura Kirk ; 3 cr.
62388 003 LEC, Completely Online; Laura Kirk ; 3 cr.

3115 Health Informatics and Information Technology

(A-F only; TS)

62331 001 LEC, Completely Online; Dorcas Kunkel ; 3 cr.

3705 Nursing Interventions

(A-F or Audit; Prereq: 3703, enrolled in School of Nursing)

62343 001 LAB, 13:25-17:30 T, Weaver-Densford Hall 4-142, In Person; 2 cr.

62345 002 LAB, 08:00-12:05 W, Weaver-Densford Hall 4-142, In Person; 2 cr.

62346 003 LAB, 13:25-17:30 W, Weaver-Densford Hall 4-142, In Person; 2 cr.

62414 004 LAB, 08:00-12:05 Th, Weaver-Densford Hall 4-142, In Person; 2 cr.

62522 005 LAB, 13:25-17:30 Th, Weaver-Densford Hall 4-142, In Person; 2 cr.

62541 008 LAB, 08:00-12:05 T, University Square Nurs Lab 392, In Person; 2 cr.

66168 006 LAB, 08:00-12:05 F, Weaver-Densford Hall 4-142, In Person; 2 cr.

66169 009 LAB, 08:00-12:05 Th, University Square Nurs Lab 392, In Person; 2 cr.

66170 010 LAB, 12:20-16:25 Th, University Square Nurs Lab 392, In Person; 2 cr.

3801 Patient Centered Care of Adults and Older Adults I

(A-F only; Prereq: Admitted to Nurs BSN program)

62340 001 LEC, 11:15-14:15 F, Health Sciences Edu Ctr 2-132, In Person; Sasha Skendzel, Andrea Lehnertz ; 3 cr.
66177 002 LEC, 11:15-14:15 F, University Square ITV Room 322, In Person; Sasha Skendzel, Andrea Lehnertz ; 3 cr.

3802 Patient Centered Care: Nursing Care of Families I

(A-F only; Prereq: Enrolled in School of Nursing)

62341 001 LEC, 13:25-16:25 W, Health Sciences Edu Ctr 2-138, In Person; Cassandra Narr, Samantha Sommerness ; 3 cr.

62342 002 LEC, 13:25-16:25 W, University Square ITV Room 322, In Person; Cassandra Narr, Samantha Sommerness ; 3 cr.

3802H Nursing Care of Families I Honors

(A-F only; Prereq: Enrolled nursing student)

62359 001 LEC, 13:25-16:25 W, AHC ROOM TBA, 12:20-13:10 W, Weaver-Densford Hall W2-110, In Person; Jiwook Lee ; 4 cr.

3803 Application of Genetics in Nursing

(A-F or Audit; Prereq: Enrolled in nursing major)

62344 001 LEC, 12:20-14:15 M, University Square ITV Room 322, 12:20-14:15 M, University Square ITV Room 322, 12:20-14:15 M, University Square ITV Room 322, 12:20-14:15 M, University Square ITV Room 322, 12:20-14:15 M, University Square ITV Room 322, In Person; Mary Goering ; 2 cr.

4205V Honors: Nursing Theory and Research

(Student Option; Prereq: Nurs honorsWI)

62336 001 LEC, 09:05-12:05 T, Weaver-Densford Hall 6-108, In Person; Mary Fran Tracy ; 3 cr.

4205W Nursing Theory and Research

(A-F or Audit; Prereq: Undergrad in nursingWI)

62337 001 LEC, 09:05-12:05 T, Health Sciences Edu Ctr 2-132, In Person; Donna Eull ; 3 cr.
62355 004 LEC, 09:05-12:05 T, University Square ITV Room 322, In Person; Kasey Boehmer ; 3 cr.
62553 002 LEC, 09:05-12:05 T, Health Sciences Edu Ctr 2-138, In Person; Lisa Martin ; 3 cr.
62554 003 LEC, 09:05-12:05 T, Health Sciences Edu Ctr 7-150, In Person; Laura Kirk ; 3 cr.

4301 Person Centered Care of Adults and Older Adults II

(A-F only; Prereq: 3801, 3802, 3703, 3705, enrolled in School of Nursing)

62364 001 LEC, 13:25-16:25 T, Health Sciences Edu Ctr 2-138, In Person; Elaine Darst, Mary Steffes ; 4 cr.

4303 Practicum: Person Centered Care of Adults in Acute Care

(A-F only; Prereq: 3703, 3705, 3801, [3802 or 3802H], enrolled in nursing)

62366 001 FWK, 07:00-15:30 Th, No Room Required, 07:00-15:30 Th, No Room Required, In Person; Mary Steffes, Elaine Darst ; 3 cr.

62370 002 FWK, 07:00-15:30 Th, No Room Required, 07:00-15:30 Th, No Room Required, In Person; Mary Steffes ; 3 cr.

62371 003 FWK, 07:00-15:30 F, No Room Required, 07:00-15:30 F, No Room Required, In Person; Elaine Darst ; 3 cr.

62372 004 FWK, 07:00-15:30 F, No Room Required, 07:00-15:30 F, No Room Required, In Person; 3 cr.

62373 005 FWK, 07:00-15:30 F, No Room Required, 07:00-15:30 F, No Room Required, In Person; 3 cr.

62374 006 FWK, 07:00-15:30 F, No Room Required, 07:00-15:30 F, No Room Required, In Person; 3 cr.

62468 007 FWK, 07:00-15:30 Th, No Room Required, 07:00-15:30 Th, No Room Required, In Person; 3 cr.

62533 008 FWK, 07:00-15:30 Th, No Room Required, 07:00-15:30 Th, No Room Required, In Person; 3 cr.

4305 Practicum: Community-based Care of Families Across Life Span

(A-F only; Prereq: 3703, 3705, 3801, [3802 or 3802H], enrolled Nurs student)

62367 001 FWK, 07:00-15:30 Th, No Room Required, 08:00-15:00 Th, No Room Required, In Person; Eunice Areba ; 3 cr.

62368 002 FWK, 08:00-15:00 Th, No Room Required, 07:00-15:30 Th, No Room Required, In Person; Eunice Areba ; 3 cr.

62375 003 FWK, 07:00-15:30 Th, No Room Required, 08:00-15:00 Th, No Room Required, In Person; 3 cr.

62376 004 FWK, 08:00-15:00 Th, No Room Required, 07:00-15:30 Th, No Room Required, In Person; 3 cr.

62377 005 FWK, 07:00-15:30 F, No Room Required, 08:00-15:00 F, No Room Required, In Person; 3 cr.

62378 009 FWK, 08:00-15:00 Th, No Room Required, 07:00-15:30 Th, No Room Required, In Person; Cassandra Narr, Michelle Yankowiak ; 3 cr.

62469 010 FWK, 07:00-15:30 F, No Room Required, 08:00-15:00 F, No Room Required, In Person; Mary Coragcol Bahian, Sherry Chesak ; 3 cr.

62535 006 FWK, 08:00-15:00 F, No Room Required, 07:00-15:30 F, No Room Required, In Person; 3 cr.
62536 011 FWK, 08:00-15:00 F, No Room Required, 07:00-15:30 F, No Room Required, In Person; Sherry Chesak, Mary Coragool Bahian ; 3 cr.
6180 008 FWK, 07:00-15:30 Th, No Room Required, 08:00-15:00 Th, No Room Required, In Person; Michelle Yankowiak, Cassandra Narr ; 3 cr.

4312 Patient Centered Care: Nursing Care of Families II

(A-F only; Prereq: 3802, enrolled nursing student)
62365 001 LEC, 08:00-12:05 W, Health Sciences Edu Ctr 2-138, In Person; Cassandra Narr, Samantha Sommersness ; 4 cr.
62369 002 LEC, 08:00-12:05 W, University Square ITV Room 322, In Person; Cassandra Narr, Samantha Sommersness ; 4 cr.

4321 Public Health Nursing

(A-F or Audit; Prereq: jr nursing student)
62362 001 LEC, 13:25-15:20 W, Health Sciences Edu Ctr 3-110, In Person; Melissa Horning ; 2 cr.
62363 002 LEC, 13:25-15:20 W, University Square ITV Room 397, In Person; Melissa Horning ; 2 cr.

4705 Nursing Care Across the Lifespan II (A-F or Audit; Prereq: 4703, sr in good standing in BSN)

62405 001 LEC, 10:10-12:05 T, Health Sciences Edu Ctr 7-152, In Person; Olof Indridadottir ; 2 cr.
62529 002 LEC, 10:10-12:05 T, University Square ITV Room 397, In Person; Olof Indridadottir ; 2 cr.

4707 Nursing Leadership: Professional Practice in Complex Systems

(A-F only; Prereq: Sr enrolled in BSN program)
62404 001 LEC, 08:00-09:50 T, Health Sciences Edu Ctr 7-152, In Person; Dorcas Kunkel, Sherry Chesak ; 2 cr.
62406 002 LEC, 08:00-09:50 T, University Square ITV Room 397, In Person; Dorcas Kunkel, Sherry Chesak ; 2 cr.

4708 Nursing Care Across the Lifespan Practicum II

(A-F only; Prereq: BSN Student)
62559 001 FWK, 13:25-15:20 T, Phillips-Wangenstn Bldg 3-152, In Person; Mary Goering ; 4 cr.
62560 002 FWK, 13:25-15:20 T, Phillips-Wangenstn Bldg 3-154, In Person; Donna Eull ; 4 cr.
62561 003 FWK, 13:25-15:20 T, Phillips-Wangenstn Bldg 3-156, In Person; Olof Indridadottir ; 4 cr.
62562 004 FWK, 13:25-15:20 T, Moos Health Sci Tower 1-430, In Person; Eunice Areba ; 4 cr.
62563 005 FWK, 13:25-15:20 T, Moos Health Sci Tower 2-580, In Person; Laura Kirk ; 4 cr.
62564 007 FWK, 13:25-15:20 T, University Square ITV Room 397, In Person; Linnea Benike ; 4 cr.

5031 Human Response to Health and Illness: Adults and Elders

(A-F or Audit;)
62315 001 LEC, 13:25-16:25 Th, Health Sciences Edu Ctr 2-110, In Person; Erica Schorr, Sasha Skendzel ; 4 cr.
62318 002 FWK, 07:00-15:30 T, No Room Required, In Person; 4 cr.
62319 003 FWK, 07:00-15:30 T, No Room Required, In Person; 4 cr.
62320 004 FWK, 07:00-15:30 T, No Room Required, In Person; Marisa Keidel ; 4 cr.
62321 005 FWK, 07:00-15:30 W, No Room Required, In Person; 4 cr.
62326 006 FWK, 07:00-15:30 W, No Room Required, In Person; 4 cr.
62327 007 FWK, 07:00-15:30 W, No Room Required, In Person; 4 cr.
62347 008 FWK, 07:00-15:30 W, No Room Required, In Person; 4 cr.
62356 009 FWK, 07:00-15:30 W, No Room Required, In Person; 4 cr.
62478 010 FWK, 07:00-15:30 W, No Room Required, In Person; 4 cr.

5032 Human Response to Health and Illness: Children and Childbearing Families

(A-F or Audit;)
62316 001 LEC, 09:05-12:05 Th, Health Sciences Edu Ctr 2-132, In Person; Donna Eull, Erin Galegher ; 5 cr.
62317 002 FWK, 07:00-15:30 T, No Room Required, 07:00-15:30 T, No Room Required, In Person; ; 5 cr.
62322 003 FWK, 07:00-15:30 T, No Room Required, 07:00-15:30 T, No Room Required, In Person; 5 cr.
62323 004 FWK, 07:00-15:30 T, No Room Required, 07:00-15:30 T, No Room Required, In Person; ; 5 cr.

62324 005 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person; Arielle Skalisky ; 5 cr.

62328 006 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person; Arielle Skalisky ; 5 cr.

62329 007 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person; Arielle Skalisky ; 5 cr.

62348 008 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person; 5 cr.

62357 009 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person; ; 5 cr.

62479 010 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person; 5 cr.

5115 Interprofessional Health Care Informatics

(A-F or Audit;)
62332 001 LEC, Completely Online; Christie Martin ; 3 cr.

5225 Psychopharmacology Advanced Practice Psychiatric/Mental Health Nursing

(A-F only; Prereq: 5228 or instr consent)
62349 001 LEC, 08:00-09:55 W, Health Sciences Edu Ctr 2-101AB, 08:00-09:55 W, Health Sciences Edu Ctr 2-101AB, 08:00-09:55 W, Health Sciences Edu Ctr 2-101AB, 08:00-09:55 W, Health Sciences Edu Ctr 2-101AB, 08:00-09:55 W, Health Sciences Edu Ctr 2-101AB, 08:00-09:55 W, Health Sciences Edu Ctr 2-101AB, Primarily Online; Elena Geiger-Simpson, kara nachtsheim ; 3 cr.

5226 Advanced Human Pathophysiology (A-F or Audit;)

62487 001 LEC, 08:00-09:55 M, Twin Cities Remote, Completely Online; Ryan Mays ; 2 cr.
62488 002 LEC, 11:15-13:10 T, Weaver-Densford Hall 4-130, In Person; Ryan Mays ; 2 cr.
62489 003 LEC, 11:15-13:10 F, Weaver-Densford Hall 4-130, In Person; Ryan Mays ; 2 cr.

5229 Clinical Pharmacotherapeutics

(A-F only; Prereq: 5222, [5228 or PHAR 5800], DNP student, instr consent)
62339 001 LEC, 09:00-12:05 M, Moos Health Sci Tower 2-530, 09:00-12:05 Th, Moos Health Sci Tower 2-530, 09:00-12:05 Th, Moos Health Sci Tower 2-530, Primarily Online; Mary Benbenek, Sarah Brumberg ; 3-4 cr.

5230 Pharmacotherapeutics for Nurse Anesthesia II

(A-F only;)
62494 001 LEC, 08:00-12:00 T, Weaver-Densford Hall 4-130, 08:00-12:00 T, Weaver-Densford Hall 4-130, 07:45-13:00 T, Moos Health Sci Tower 1-108, 08:00-12:00 T, Moos Health Sci Tower 1-108, 08:00-12:00 T, Weaver-Densford Hall 4-130, 07:45-13:00 T, Weaver-Densford Hall 4-130, 08:00-12:00 T, Moos Health Sci Tower 1-108, 07:45-13:00 T, Weaver-Densford Hall 4-130, 08:00-12:00 T, Weaver-Densford Hall 4-130, 08:00-12:00 T, Weaver-Densford Hall 4-130, 08:00-12:00 T, Weaver-Densford Hall 4-130, 07:45-13:00 T, Moos Health Sci Tower 1-108, 08:00-12:00 T, Weaver-Densford Hall 4-130, 08:00-12:00 T, Weaver-Densford Hall 4-130, 08:00-10:00 M, Weaver-Densford Hall 4-130, Partially Online; Megan Kakela ; 4 cr.

5448 Interprofessional Collaborative Practice in HIV Care

(A-F only;)
62547 001 DIS, 17:30-20:30 T, ONLINE BLENDED, 17:30-20:30 T, No Room Required, 17:30-20:30 T, No Room Required, 09:00-13:00 Sa, Health Sciences Edu Ctr 4-193, Partially Online; Melissa Saftner ; 1 cr.

5505 Assessment and Support of Individuals in Labor

(S-N only; Prereq: Admission to DNP Program)
67610 001 FWK, 14:20-17:15 Th, Phillips-Wangenstn Bldg 2-350, 14:20-17:15 Th, Phillips-Wangenstn Bldg 2-350, 09:00-11:00 Th, No Room Required, In Person; Erin Galegher, Ann Forster Page, CNM ; 1 cr.

5726 Sexual Assault Nurse Examiner (SANE) Trauma-Informed Care Clinical Experience

(S-N only;)
68629 001 FWK, Completely Online; Ellen Frerich, Carolyn Porta, Sarah Hoffman ; 1-2 cr.

5812 Global Health Through Study Abroad

(S-N only; Prereq: instr consent)

62411 007 FWK, Study Abroad; Teddie Potter, Stephanie Gingerich ; 1-2 cr.

68361 004 FWK, Primarily Online; Stephanie Gingerich, Judith Pechacek ; 1-2 cr.

Nutrition (NUTR)

5622 Vitamin and Mineral Biochemistry (Student Option; Prereq: BioC 3021, Phsl 3051, FSCN 4612)

56190 001 LEC, 09:35-10:25 MWF, Lrng & Environmental Sci 230, In Person; Dan Gallaher ; 3 cr.

5626 Nutritional Physiology

(A-F or Audit; Prereq: NUTR 5625)
56245 001 LEC, 10:00-11:15 TTh, Andrew Boss Laboratory 125, In Person; Meets With: 001 ANSC 5626; Leena Hilakivi-Clarke ; 3 cr.

5627 Nutritional and Food Toxicology (A-F only; Prereq: BIOC 3021; designed for students majoring in [nutrition or food science or toxicology])

56299 001 LEC, 15:00-16:15 MW, Ruttan Hall 143, In Person; Meets With: 001 FSCN 4622; Chi Chen ; 3 cr.

5993 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)
56562 001 IND, In Person; 1-4 cr.

5994 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)
56563 001 IND, In Person; 1-4 cr.

Occupational Therapy (OT)

1003 Introduction to Occupational Therapy (Student Option;)

63621 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Cindy Jacobs ; 1 cr.

Off-Campus Study (OCS)

3550 NSE: National Student Exchange Plan B

(S-N only; Prereq: dept consent)
63478 001 DIS, In Person; 0-20 cr.

Office of Undergrad Education (OUE)

1001 Mastering Skills for College Success (Student Option;)

50446 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Nisma Elias ; 2 cr.
50447 002 LEC, 00:00-00:00 , ONLINE, Completely Online; Nisma Elias ; 2 cr.
50448 003 LEC, 00:00-00:00 , ONLINE, Completely Online; Andrew Fiengen ; 2 cr.
50449 004 LEC, 09:05-11:00 M, Appleby Hall 11, In Person; Andrew Fiengen ; 2 cr.
51639 005 LEC, 12:20-14:15 M, Appleby Hall 226, In Person; Enet Mukurazita ; 2 cr.
51640 006 LEC, 13:25-15:30 T, Peik Hall 28, In Person; Enet Mukurazita ; 2 cr.

1101 Academic Refresher

(S-N or Audit;)
50450 001 LEC, 09:05-11:00 M, Appleby Hall 223, In Person; Keelin Yenney ; 1 cr.

1102 Academic Success

(S-N only;)
50817 001 LEC, 13:25-14:15 M, Vincent Hall 213, In Person; Keelin Yenney ; 2 cr.
50836 003 LEC, 10:10-11:00 T, Twin Cities Remote, Completely Online; Julio Vega Cedeno ; 2 cr.
51391 004 LEC, 13:25-14:15 T, Twin Cities Remote, Completely Online; Julio Vega Cedeno ; 2 cr.

2001 Academic Planning and Exploration

(A-F only;)

63530 005 IND, 15:35-16:25 T, Bruininks Hall 518, Partially Online; Emily Guse, Aya Maruyama ; 1 cr.
63545 002 IND, 10:10-12:05 F, Bruininks Hall 518, 10:10-12:05 F, Bruininks Hall 518, Primarily Online; Amanda Niskode-Dossett ; 1 cr.
63546 003 IND, 12:20-14:15 F, Bruininks Hall 518, 12:20-14:15 F, Bruininks Hall 518, Primarily Online; Jeff Olsen Krengel ; 1 cr.
63547 006 IND, 15:35-17:30 W, Bruininks Hall 518, 15:34-17:30 W, Bruininks Hall 518, Primarily Online; Hannah Boldt ; 1 cr.
63548 007 IND, 10:10-12:05 F, Bruininks Hall 518, 10:10-12:05 F, Bruininks Hall 518, Primarily Online; Alexandra Klapperich ; 1 cr.
63565 001 IND, 15:35-17:30 W, Bruininks Hall 518, 15:35-17:30 W, Bruininks Hall 518, Primarily Online; Kristin Farrell ; 1 cr.
63583 008 IND, 12:20-14:15 F, Bruininks Hall 518, 12:20-14:15 F, Bruininks Hall 518, Primarily Online; Linda Kim, ; 1 cr.

3505 Introduction to Peer Education**(Student Option;)**

63603 001 LEC, 13:25-14:15 M, Ford Hall 170, In Person; Pang Yang ; 1 cr.

3205 Law School Exploration**(Student Option;)**

55387 001 LEC, Completely Online; Erin Reichelt ; 2 cr.
67198 002 LEC, 14:00-15:40 Th, Vincent Hall 2, In Person; Erin Reichelt ; 2 cr.

3311 Leadership Development for University Student Leaders**(S-N only;)**

66167 001 DIS, 16:00-16:50 W, , In Person; Bailey Jimmison ; 3 cr.

Ojibwe (OJIB)**1102 Beginning Ojibwe II****(Student Option; Prereq: 1101)**

53171 001 LEC, 15:35-16:25 MTWThF, Folwell Hall 13, In Person; Meets With: 001 OJIB 4102; Zoe Brown ; 5 cr.
68412 301 LEC, 15:35-16:25 MTWThF, Twin Cities Remote, Completely Online; Meets With: 301 OJIB 4102; Zoe Brown ; 5 cr.

3104 Intermediate Ojibwe II**(Student Option; Prereq: 1102, 1102,3103)**

53172 001 LEC, 14:30-15:20 MTWThF, Folwell Hall 120, In Person; Meets With: 001 OJIB 4104; Zoe Brown ; 5 cr.
54796 301 LEC, 14:30-15:20 MTWThF, Twin Cities Remote, Completely Online; Zoe Brown ; 5 cr.

4102 Beginning Ojibwe II**(Student Option; Prereq: community member, see department for permission to enroll.)**

54006 001 LEC, 15:35-16:25 MTWThF, Folwell Hall 13, In Person; Meets With: 001 OJIB 1102; Zoe Brown ; 3 cr.
54869 301 LEC, 15:35-16:25 MTWThF, Twin Cities Remote, Completely Online; Meets With: 301 OJIB 1102; Zoe Brown ; 3 cr.

4104 Intermediate Ojibwe II**(Student Option; Prereq: 1102, 3102, community member, see department for permission to enroll.)**

54007 001 LEC, 14:30-15:20 MTWThF, Folwell Hall 120, In Person; Meets With: 001 OJIB 3104; Zoe Brown ; 3 cr.
54870 301 LEC, 14:30-15:20 MTWThF, Twin Cities Remote, Completely Online; Zoe Brown ; 3 cr.

5109 Advanced Ojibwe Language II**(A-F or Audit;)**

53165 001 LEC, 14:30-15:20 MWF, Nicholson Hall 345, In Person; Brendan Kishketon ; 3 cr.
68413 301 LEC, 14:30-15:20 MWF, Twin Cities Remote, Completely Online; Brendan Kishketon ; 3 cr.

5204W Ojibwe Mastery II**(A-F or Audit; W)**

53900 001 LEC, 12:20-13:10 MWF, Folwell Hall 118, In Person; Brendan Kishketon ; 3 cr.
54740 301 LEC, 15:35-16:25 MWF, Twin Cities Remote, Completely Online; Brendan Kishketon ; 3 cr.

Ophthalmology (OPH)**5401 Orthoptics III****(S-N or Audit;)**

62015 001 ROT, In Person; 5 cr.

5701 Orthoptics VI**(S-N only;)**

61313 001 FWK, In Person; Lori Van Der Merwe ; 5 cr.

Oral Biology (OBIO)**Oral and Maxillofacial Surgery (OSUR)****5257 Ambulatory General Anesthesia for the Oral and Maxillofacial Surgeon****(S-N only; Prereq: Participation in oral and maxillofacial surgery training program.)**

56688 001 FWK, 00:00-00:00 , , In Person Term Based; James Swift ; 0-6 cr.

5276 Medicine Rotation for the Oral and Maxillofacial Surgeon**(S-N only; Prereq: Participation in oral and maxillofacial surgery training program.)**

56687 001 FWK, 00:00-00:00 , , In Person Term Based; 0-6 cr.

Org Leadership, Policy & Dev (OLPD)**1303 Leadership in the Organizational Context****(A-F only;)**

51600 001 LEC, 16:40-19:20 W, Bruininks Hall 512B, In Person; Regina Seabrook ; 3 cr.
51601 002 LEC, 11:15-12:30 TTh, Nicholson Hall 115, In Person; Amie Bergersen ; 3 cr.
51602 003 LEC, 11:15-12:30 MW, Bruininks Hall 512B, In Person; Tania Mitchell ; 3 cr.
51603 004 LEC, Completely Online; Amie Bergersen ; 3 cr.
67391 005 LEC, 14:30-15:45 TTh, Vincent Hall 113, In Person; Liz Hwang ; 3 cr.
68671 006 LEC, 16:40-19:20 M, Burton Hall 120, In Person; Bethany Brausen ; 3 cr.

1461 Presentations in Work Settings: Business & Marketing Education and Human Resource Development**(A-F or Audit; CIV)**

51234 001 LEC, 11:15-12:30 TTh, Wulling Hall 220, In Person; Heather Dorsey ; 3 cr.
51235 002 LEC, 13:00-14:15 TTh, Appleby Hall 223, In Person; Heather Dorsey ; 3 cr.
51236 003 LEC, 09:45-11:00 MW, Appleby Hall 102, In Person; Heather Dorsey ; 3 cr.

2811 Societies of the Future: Changing Work Contexts**(A-F or Audit; TS)**

50952 002 DIS, 09:45-11:00 TTh, Bruininks Hall 420B, In Person; Meets With: 001 OLPD 2811H; Meg Fitzgerald-Sisk ; 3 cr.
51226 003 DIS, 09:45-11:00 MW, Bruininks Hall 530B, In Person; Gary Peter ; 3 cr.
51350 004 DIS, 11:15-12:30 MW, Bruininks Hall 420B, In Person; Gary Peter ; 3 cr.

2811H Societies of the Future: Changing Work Contexts, Honors**(A-F only; Prereq: Honors studentTS)**

50976 001 DIS, 09:45-11:00 TTh, Bruininks Hall 420B, In Person; Meets With: 002 OLPD 2811; Meg Fitzgerald-Sisk ; 3 cr.

3202 Introduction to Strategies for Teaching Adults**(A-F or Audit;)**

50903 002 LEC, 14:30-15:45 TTh, Bruininks Hall 530B, In Person; Louis Quast ; 3 cr.

3305 Learning About Leadership Through Film and Literature**(Student Option;)**

51442 001 LEC, 11:15-12:30 MW, Peik Hall 375, In Person; Melissa Malen ; 3 cr.

3308 Data-Driven Decision-Making in BME and HRD**(A-F only;)**

51444 001 LEC, 11:15-12:30 TTh, Peik Hall 215, In Person; Sehoon Kim ; 3 cr.
51445 002 LEC, 11:15-12:30 MW, Appleby Hall 302, In Person; Minjung Kim ; 3 cr.

3318 Introduction to Project Management (Student Option;)

50922 001 LEC, 08:15-09:30 TTh, Bruininks Hall 131A, In Person; Meg Fitzgerald-Sisk ; 3 cr.
51024 002 LEC, 11:15-12:30 TTh, Bruininks Hall 420B, In Person; Meg Fitzgerald-Sisk ; 3 cr.
51165 003 LEC, 13:00-14:15 MW, Bruininks Hall 420B, In Person; Ying Feng ; 3 cr.

3324W Writing in the Workplace for Education and Human Development Majors**(Student Option; Prereq: 60+ undergraduate credits, declared majorW)**

51203 001 DIS, 09:05-11:00 MW, Peik Hall 375, In Person; Barbara Hodne ; 4 cr.
51204 002 DIS, 14:30-16:25 TTh, Appleby Hall 226, In Person; Barbara Hodne ; 4 cr.
51359 003 DIS, 09:05-11:00 TTh, Twin Cities Remote, Completely Online; Gary Peter ; 4 cr.

3350 Special Topics in Professional Sales**(Student Option No Audit;)**

68365 001 LEC, 14:30-16:25 W, Burton Hall 125, In Person; 2 cr.

3381 Developing Intercultural Competence**(A-F or Audit;)**

51141 001 DIS, 14:30-15:45 MW, Peik Hall 315, In Person; Matthew Schuelka ; 3 cr.

3401 Teaching Marketing Promotion**(A-F or Audit;)**

50912 001 LEC, 11:15-12:30 TTh, Burton Hall 120, In Person; Jonathan Stuart ; 3 cr.
50913 002 LEC, 09:45-11:00 TTh, Burton Hall 120, In Person; Jonathan Stuart ; 3 cr.
50957 003 LEC, 16:40-19:20 W, Appleby Hall 128, In Person; Bo Fang ; 3 cr.

3424 Sales Training**(A-F or Audit;)**

50907 001 LEC, 16:40-19:20 M, Carlson School of Mgmt L-114, In Person; Wayne Mueller ; 3 cr.
50908 002 LEC, 09:45-11:00 MW, Bruininks Hall 420B, In Person; Minjung Kim ; 3 cr.
50958 003 LEC, 13:00-14:15 TTh, Appleby Hall 219, In Person; Brittany Stahlman ; 3 cr.

3601 Introduction to Human Resource Development**(A-F or Audit;)**

50549 001 LEC, 13:00-14:15 TTh, Bruininks Hall 330, In Person; Minjung Kim ; 3 cr.

3609 Profession and Practice of Business and Marketing Education and Human Resource Development**(A-F or Audit; Prereq: Admitted BME major or Admitted HRD major)**

51166 001 LEC, 14:30-16:25 T, Bruininks Hall 420B, In Person; Heather Gillich ; 2 cr.
51440 002 LEC, 09:05-11:00 T, Appleby Hall 319, In Person; Richard Roman ; 2 cr.
51447 003 LEC, 13:25-15:20 W, Elliott Hall N647, In Person; Hillary Goodner ; 2 cr.
68296 004 LEC, 11:15-13:10 W, , In Person; Madeline Rowe ; 2 cr.

3621 Introduction to Training and Development**(A-F or Audit;)**

50731 001 LEC, 11:15-12:30 MW, Appleby Hall 303, In Person; Jonathan Stuart ; 3 cr.

3641 Introduction to Organization Development**(A-F or Audit;)**

50732 001 LEC, 13:00-14:15 TTh, Bruininks Hall 420B, In Person; Panpan Zhang ; 3 cr.
51604 002 LEC, 13:00-14:15 MW, Elliott Hall N119, In Person; Ana Carolina Rodriguez ; 3 cr.
68399 003 LEC, 16:40-19:20 M, Bruininks Hall 530B, In Person; Annie Porbeni ; 3 cr.

3828 Diversity in the Workplace

(A-F or Audit;)

50919 001 DIS, 11:15-12:45 Th, Tate Hall 110, Partially Online; Joshua Collins ; 3 cr.
 51448 002 DIS, 16:40-19:20 T, Bruininks Hall 420B, In Person; Rasha Ahmad Sharif ; 3 cr.
 67401 003 DIS, 13:00-14:15 MW, Bruininks Hall 131A, In Person; Stephanie Sisco ; 3 cr.

4401 E-Marketing

(A-F or Audit;)

50927 001 LEC, 16:40-19:20 Th, Bruininks Hall 131B, In Person; Walter Novillo ; 3 cr.

4421 Practicum in Nonprofit Organizations

(A-F or Audit;)

51167 001 LEC, 14:30-16:30 Th, Bruininks Hall 131A, In Person; Jonathan Stuart ; 2 cr.

4426 Strategic Customer Relationship Management

(A-F or Audit;)

50909 001 LEC, 14:30-15:45 MW, Bruininks Hall 530A, In Person; Walter Novillo ; 3 cr.
 50910 002 LEC, 13:00-14:15 TTh, Bruininks Hall 530A, In Person; Walter Novillo ; 3 cr.
 50959 003 LEC, 15:00-16:15 W, Peik Hall 375, Partially Online; Nicole Shoppell ; 3 cr.

4696 Applied Experience in Business Marketing Education & Human Resource Development

(S-N only; Prereq: OLPD ugrd student in BME/HRD, BME compl 3 of the 4 cores: OLPD 3318, 3401, 3424, 4426. HRD compl 4 of the 4 cores: OLPD 3601, 3202, 3621, 3641. Completed or permission to be concurrently registered for OLPD 3609.)

50915 001 FWK, Independent/Directed Study; Hillary Goodner ; 1-4 cr.
 51441 002 FWK, Independent/Directed Study; Heather Gillich ; 1-4 cr.
 51605 003 FWK, Independent/Directed Study; Daniel Koza ; 1-4 cr.

5005 School and Society

(A-F or Audit; Prereq: Jr or sr or MEd/initial licensure student or CLA music ed major or preteaching major or instr consent)

50301 001 LEC, 16:40-18:50 M, Elliott Hall N119, In Person; Brittany Stahlman ; 2 cr.

5009 Human Relations: Applied Skills for School and Society

(A-F or Audit; Prereq: MEd/init lic or CLA music ed or preteaching or instr consent)

50305 001 LEC, 08:05-11:00 W, Elliott Hall N119, In Person; Anna Nation ; 1 cr.

5033 Foundations of Individual/Organizational Career Development

(Student Option;)

51284 001 DIS, 16:40-19:20 T, Peik Hall 375, In Person; Michael Stebleton ; 3 cr.

5056 Case Studies for Policy Research

(A-F or Audit;)

67876 002 LEC, 08:30-12:30 Th, Burton Hall 227, In Person; Alyssa Parr ; 3 cr.

5061 Ethnographic Research Methods

(Student Option;)

51288 001 LEC, 13:00-15:40 Th, Bruininks Hall 420A, In Person; Roozbeh Shirazi ; 3 cr.

5080 Special Topics: Organizational Leadership, Policy, & Development

(Student Option;)

67600 001 LEC, 16:40-19:20 W, Folwell Hall 18, In Person; Rashne Jehangir ; 1-3 cr.

5087 MA Research Seminar

(S-N only;)

65864 001 LEC, 16:40-19:20 Th, No Room Required, In Person; Karen Miksch ; 3 cr.

5095 Problems: Organizational Leadership, Policy, and Development

(Student Option;)

50765 009 IND, 16:40-19:20 Th, Appleby Hall 128, Independent/Directed Study; Karen Miksch ; 1-3 cr.

5096 Internship: Organizational Leadership, Policy, and Development

(Student Option;)

68092 001 FWK, In Person; 1-9 cr.
 68093 002 FWK, In Person; Rebecca Dosch Brown ; 1-9 cr.
 68626 003 FWK, In Person; Gerald Fry ; 1-9 cr.
 68715 004 FWK, In Person; Karen Miksch ; 1-9 cr.

5121 Educational Reform in International Context

(Student Option;)

65426 001 LEC, 16:40-19:20 M, Wulling Hall 220, In Person; Matthew Schuelka ; 3 cr.

5124 Critical Issues in International Education and Educational Exchange

(Student Option;)

51542 001 LEC, 16:40-19:20 T, Burton Hall 123, In Person; Bhaskar Upadhyay ; 3 cr.

5128 Anthropology of Education

(Student Option;)

67423 001 LEC, 13:25-16:05 T, Carlson School of Mgmt 2-228, In Person; Meets With: 001 ANTH 5128; Peter Demerath ; 3 cr.

5201 Strategies for Teaching Adults

(A-F or Audit; Prereq: Grad student only)

50333 001 LEC, Completely Online; Rosemarie Park ; 3 cr.

5204 Designing the Adult Education Program

(A-F or Audit;)

51548 001 DIS, Completely Online; Ashley Behr ; 3 cr.

5296 Field Experience in Adult Education

(S-N or Audit;)

50334 001 FWK, Independent/Directed Study; Rosemarie Park ; 1-6 cr.

5309 Culturally Responsive School Leadership

(A-F only;)

67873 001 DIS, 16:40-19:20 T, Civil Engineering Bldg 213, In Person; Darius Stanley ; 3 cr.

5324 Strategic Financial Planning and Policy for Educational Leaders

(Student Option; Prereqs: OLPD 5385 Licensure Seminar: Program Policies and Inclusionary Leadership or concurrent registration and OLPD 5386 Leadership Portfolio or concurrent registration.)

67704 001 LEC, 16:45-20:55 W, Vincent Hall 213, 16:45-20:55 W, Vincent Hall 213, 16:45-20:55 W, Vincent Hall 213, 16:45-20:55 W, Vincent Hall 213, 16:45-20:55 W, Vincent Hall 213, 16:45-20:55 W, Vincent Hall 213, 16:45-20:55 W, Vincent Hall 213, 16:45-20:55 W, Vincent Hall 213, In Person; John Schultz ; 3 cr.

5356 Disability Policy and Services

(Student Option;)

50736 001 LEC, 16:40-19:20 Th, Appleby Hall 223, In Person; Amy Hewitt ; 3 cr.

5361 Project in Teacher Leadership

(Student Option No Audit; Prereqs: Grad students working on K-12 Administrative Licensure and/or Master in Education (Leadership in Education))

51495 001 IND, Independent/Directed Study; Gary Prest, Katie Pekel ; 3 cr.

5368 Leadership for Special Education Services

(Student Option; Prereqs: OLPD 5385 Licensure Seminar: Program Policies and Inclusionary Leadership or concurrent registration and OLPD 5386 Leadership Portfolio or concurrent registration.)

67718 001 LEC, 16:45-20:55 W, Appleby Hall 219, 16:45-20:55 W, Appleby Hall 219, 16:45-20:55 W, Appleby Hall 219, 16:45-20:55 W, Appleby Hall 219, 16:45-20:55 W, Appleby Hall 219, 16:45-20:55 W, Appleby Hall 219, 16:45-20:55 W, Appleby Hall 219, 16:45-20:55 W, Appleby Hall 219, 16:45-20:55 W, Appleby Hall 219, 16:45-20:55 W, Appleby Hall 219, In Person; Laura Pingry-Kile ; 3 cr.

5385 Licensure Seminar: Program Policies and Inclusionary Leadership

(S-N or Audit;)

50532 001 LEC, 16:45-20:55 W, Wulling Hall 220, 16:45-20:55 W, Wulling Hall 220, 16:45-20:55 W, Wulling Hall 220, In Person; Willie Jett ; 1 cr.

5386 Leadership Portfolio Seminar

(S-N or Audit; Prereq: OLPD 5385 or concurrent registration is required.)

50551 001 LEC, 16:45-20:55 W, Bruininks Hall 119, 16:45-20:55 W, Bruininks Hall 119, 16:45-20:55 W, Bruininks Hall 119, In Person; Willie Jett ; 1 cr.

5387 Leadership for Teaching and Learning

(Student Option; Prereqs: OLPD 5385 Licensure Seminar: Program Policies and Inclusionary Leadership or concurrent registration and OLPD 5386 Leadership Portfolio or concurrent registration.)

50725 001 LEC, 16:45-20:55 Th, Bruininks Hall 420A, 16:45-20:55 Th, Bruininks Hall 420A, 16:45-20:55 Th, Bruininks Hall 420A, 16:45-20:55 Th, Bruininks Hall 420A, 16:45-20:55 Th, Bruininks Hall 420A, 16:45-20:55 Th, Bruininks Hall 420A, 16:45-20:55 Th, Bruininks Hall 420A, In Person; Tyrone Brookins ; 3 cr.

5389 Community Education Leadership

(Student Option; Prereqs: OLPD 5385 Licensure Seminar: Program Policies and Inclusionary Leadership or concurrent registration and OLPD 5386 Leadership Portfolio or concurrent registration.)

51026 001 LEC, 16:45-20:55 W, Bruininks Hall 121, 16:45-20:55 W, Bruininks Hall 121, 16:45-20:55 W, Bruininks Hall 121, 16:45-20:55 W, Bruininks Hall 121, 16:45-20:55 W, Bruininks Hall 121, 16:45-20:55 W, Bruininks Hall 121, 16:45-20:55 W, Bruininks Hall 121, 16:45-20:55 W, Bruininks Hall 121, In Person; Shawn Hoffman-Bram ; 3 cr.

5396 Field Experience in PK-12**Administration: Authentic Practice in Leadership**

(S-N or Audit; Prereqs: OLPD 5385 Licensure Seminar: Program Policies and Inclusionary Leadership or concurrent registration and OLPD 5386 Leadership Portfolio or concurrent registration.)

50270 001 FWK, 16:45-20:55 M, Bruininks Hall 144, 16:45-20:55 M, Bruininks Hall 144, 16:45-20:55 M, Bruininks Hall 144, 16:45-20:55 M, Bruininks Hall 144, In Person; Christine Sonenblum ; 3 cr.
 51251 002 FWK, Independent/Directed Study; Gary Prest ; 3 cr.

5501 Principles and Methods of Evaluation

(Student Option;)

50810 001 LEC, Completely Online; Meets With: 001 EPSY 5243; Stuart Yeh ; 3 cr.
 51286 002 LEC, 16:40-19:20 W, Appleby Hall 302, In Person; Meets With: 002 EPSY 5243; Stuart Yeh ; 3 cr.
 67874 003 LEC, 13:30-16:30 Th, Burton Hall 227, In Person; Nathaniel Stewart ; 3 cr.

5502 Comparative evaluation theory for practice

(A-F only;)

51549 001 LEC, 16:40-19:20 W, Appleby Hall 223, In Person; John LaVelle ; 3 cr.

5605 Strategic Human Resource Development

(A-F or Audit; Prereq: 5607 or 5615 or HRD 5201 or HRD 5301)

51181 001 LEC, 16:40-19:20 Th, Folwell Hall 30, In Person; Michael De Georgeo ; 3 cr.

5607 Organization Development

(A-F or Audit; Prereq: Grad student only)

50314 002 LEC, Completely Online; Janet Polach ; 3 cr.

5611 Facilitation and Meeting Skills

(Student Option;)

67997 001 DIS, 09:00-15:00 Sa, Folwell Hall 12, 09:00-15:00 Sa, Folwell Hall 12, In Person; Lisa Wocken ; 1 cr.

5613 Survey of Research Methods and Emerging Research in Human Resource Development

(A-F or Audit; Prereq: [Registered, in attendance] at conference of Academy of HRD)

67980 001 LEC, In Person; Stephanie Sisco ; 3 cr.

5696 Internship: Human Resource Development

(S-N or Audit; Prereq: [[3901 or HRD 3601, [3696 or HRD 3196], [3620 or 3640 or HRD 3201 or HRD 3301], [3202 or ADED 3101], undergraduate] or [[5607 or 5615 or HRD 5201 or HRD 5301], [5801 or WHRE 5001], grad student]], instr consent)

50859 001 FWK, Independent/Directed Study; Louis Quast ; 1-10 cr.
68192 002 FWK, In Person; Gerald Fry ; 1-10 cr.

5709 Critical Issues in Higher Education

(A-F or Audit;)
51025 001 DIS, 16:40-19:20 Th, Peik Hall 375, In Person; Michael Stebleton ; 3 cr.

5721 Race and Ethnicity in Higher Education

(Student Option;)
65365 001 LEC, 16:40-19:20 M, Bruininks Hall 420B, In Person; Tania Mitchell ; 3 cr.

5732 The Law and Postsecondary Institutions

(Student Option;)
51400 001 LEC, 16:40-19:20 T, Bruininks Hall 512A, In Person; Karen Miksch ; 3 cr.

5819 Evaluating and Using Research in Organizations and Education

(A-F or Audit; Prereq: Grad student)
51174 001 LEC, Completely Online; Nicole Dillard ; 3 cr.

5893 Directed Study in OLPD

(Student Option;)
51508 001 IND, Independent/Directed Study; 1-4 cr.

Otolaryngology (OTOL)

5993 Directed Studies

(Student Option; Prereq: instr consent)
60986 001 IND, 00:00-00:00 , In Person; ; 1-12 cr.
61181 002 IND, 00:00-00:00 , In Person; 1-12 cr.

Periodontics (PERO)

5123 Practice Management Externship

(Student Option; Prereq: Resident in advanced education program in periodontology)
56739 001 LEC, 00:00-00:00 , In Person Term Based; 1 cr.

Pharmacology (PHCL)

3100 Pharmacology for Pre-Med and Life Science Students

(A-F or Audit; Prereq: College-level biology, biochemistry or physiology recommended)
61153 001 LEC, 13:25-15:20 W, Jackson Hall 2-137, In Person; Li-Na Wei ; 2 cr.

4001 Mechanisms of Drug Action

(Student Option; Prereq: Upper div or instr consent; [prev or concurrent] courses in [biology, biochemistry] recommended)
61310 001 LEC, 09:05-09:55 TTh, Moos Health Sci Tower 2-580, In Person; Gregory Connell ; 2 cr.

4003 Anti-infective drugs: Drugs that kill invaders

(A-F or Audit; Prereq: College-level biology)
61286 001 LEC, 10:10-11:00 MW, Jackson Hall 2-137, In Person; Hiroshi Hiasa ; 2 cr.

4993 Directed Studies

(S-N only; Prereq: instr consent, dept consent)
61287 001 IND, 00:00-00:00 , Independent/Directed Study; Hiroshi Hiasa ; 1-3 cr.

4994 Directed Research

(S-N only; Prereq: instr consent, dept consent)
61288 001 IND, 00:00-00:00 , Independent/Directed Study; Hiroshi Hiasa ; 1-3 cr.

5109 Introduction to Scientific Communication

(Student Option; Prerequisites: student in the Graduate Program in Pharmacology (MS program) or approval from the Director of Graduate Studies
Keywords: Pharmacology, Directed, Independent Study, Biomedical, Basic Science, Research, Drug)
61004 001 IND, 15:35-16:25 TTh, Phillips-Wangenstn Bldg 2-360, In Person; Colin Campbell ; 1-18 cr.

5111 Pharmacogenomics

(A-F or Audit; Prereq: Grad student or instr consent
Keywords: Pharmacology, Pharmacogenomics, Toxicogenomics, Proteomics, Genetics, Drug)
61073 001 LEC, 15:35-17:35 W, Ford Hall 151, 15:35-16:35 M, Ford Hall 151, In Person; Colin Campbell ; 3 cr.

5462 Neuroscience Principles of Drug Abuse

(Student Option; Prereq: instr consent)
61289 001 LEC, In Person; 2 cr.

Pharmacy (PHAR)

1001 Orientation to Pharmacy

(Student Option;)
62571 001 IND, 00:00-00:00 , ONLINE, Completely Online; Amanda Perkins ; 2 cr.

1002 Medical Terminology

(Student Option;)
62569 001 IND, 00:00-00:00 , ONLINE, Completely Online; Anna Milone ; 2 cr.

1003 Nonprescription Medications and Self-Care: Treating Minor Conditions

(Student Option;)
62604 001 IND, 00:00-00:00 , ONLINE, Completely Online; Anna Milone ; 2 cr.

1004 Common Prescription Drugs and Diseases

(Student Option;)
62613 001 IND, 00:00-00:00 , ONLINE, Completely Online; Kristyn Williamson ; 2 cr.

3206 Foundations of Health Literacy

(Student Option;)
62633 001 IND, 00:00-00:00 , ONLINE, Completely Online; Anna Milone, Jody Lounsbury ; 3 cr.

3700 Fundamentals of Pharmacotherapy

(A-F or Audit; Prereq: Medical terminology recommended)
62620 001 IND, 00:00-00:00 , ONLINE, Completely Online; Kristyn Williamson ; 3 cr.

3800 Pharmacotherapy for the Health Professions

(A-F only; Prereq: Anatomy and physiology)
62606 001 IND, 00:00-00:00 , ONLINE, Completely Online; Kristyn Williamson ; 3 cr.
62612 002 IND, 00:00-00:00 , ONLINE, Completely Online; Kristyn Williamson ; 3 cr.

4204W Drugs and the U.S. Healthcare System

(Student Option; CIV,WI)
62619 001 IND, 00:00-00:00 , ONLINE, Completely Online; Anna Milone, Kristyn Williamson ; 3 cr.

5201 Applied Medical Terminology

(Student Option; Prereq: Basic knowledge of human anatomy/physiology)
62570 001 IND, 00:00-00:00 , ONLINE, Completely Online; Anna Milone ; 2 cr.

5204 Drugs and the US Healthcare System

(Student Option;)
62617 001 IND, 00:00-00:00 , ONLINE, Completely Online; Anna Milone, Kristyn Williamson ; 3 cr.

5205 Obesity: Issues, Interventions, Innovations

(Student Option; Prereq: Second or third year pharmacy student, or student enrolled in a graduate science or health-related program. Biochemistry and physiology suggested.)
62625 001 IND, 00:00-00:00 , ONLINE, Completely Online; Anna Milone ; 2 cr.

5700 Applied Fundamentals of Pharmacotherapy

(A-F only; Prereq: Medical terminology recommended)
62618 001 IND, 00:00-00:00 , ONLINE, Completely Online; Kristyn Williamson ; 3 cr.

Philosophy (PHIL)

1001 Introduction to Logic

(Student Option; MATH)
51830 002 DIS, 09:05-09:55 M, Blegen Hall 205, In Person; 4 cr.
51831 003 DIS, 10:10-11:00 M, Blegen Hall 205, In Person; 4 cr.
51832 004 DIS, 09:05-09:55 F, Blegen Hall 205, In Person; 4 cr.
51833 005 DIS, 10:10-11:00 F, Blegen Hall 205, In Person; 4 cr.
52252 001 LEC, 09:45-11:00 TTh, Anderson Hall 250, In Person; Michael Kac ; 4 cr.

1002W Introduction to Philosophy

(Student Option; AH,WI)
52654 001 LEC, 10:10-11:00 MWF, Anderson Hall 250, In Person; Peter Hanks ; 4 cr.
52655 002 DIS, 09:05-09:55 T, Blegen Hall 105, In Person; 4 cr.
53836 003 DIS, 10:10-11:00 T, Blegen Hall 225, In Person; 4 cr.
54292 004 DIS, 09:05-09:55 Th, Blegen Hall 205, In Person; 4 cr.
54293 005 DIS, 10:10-11:00 Th, Blegen Hall 335, In Person; 4 cr.

1003W Introduction to Ethics

(Student Option; CIV,WI)
65400 001 LEC, 09:45-11:00 MW, Hubert H. Humphrey School 50B, In Person; Valerie Tiberius ; 4 cr.
65401 002 DIS, 09:05-09:55 F, Blegen Hall 335, In Person; 4 cr.
65402 003 DIS, 10:10-11:00 F, Blegen Hall 335, In Person; 4 cr.
65403 004 DIS, 11:15-12:05 F, Blegen Hall 335, In Person; 4 cr.

1004W Introduction to Political Philosophy

(Student Option; AH,WI,CIV)
53630 001 LEC, 09:05-09:55 MWF, Blegen Hall 255, In Person; Kylie Shahar ; 4 cr.
53631 002 DIS, 09:05-09:55 Th, Blegen Hall 105, In Person; 4 cr.
53632 003 DIS, 10:10-11:00 Th, Blegen Hall 330, In Person; 4 cr.

1006W Philosophy and Cultural Diversity

(Student Option; AH,WI,DSJ)
55163 001 LEC, 12:20-13:10 MWF, Anderson Hall 230, In Person; Dwight Lewis ; 4 cr.
55164 002 DIS, 11:15-12:05 T, Blegen Hall 330, In Person; 4 cr.
55165 003 DIS, 12:20-13:10 T, Blegen Hall 225, In Person; 4 cr.
65677 004 DIS, 11:15-12:05 Th, Blegen Hall 335, In Person; 4 cr.
65678 005 DIS, 12:20-13:10 Th, Blegen Hall 225, In Person; 4 cr.

3005W General History of Western Philosophy: Modern Period

(Student Option; AH,WI)
54045 001 LEC, 10:10-11:00 MWF, Blegen Hall 255, In Person; Dwight Lewis ; 4 cr.
54046 002 DIS, 10:10-11:00 T, Blegen Hall 205, In Person; 4 cr.
54047 003 DIS, 11:15-12:05 T, Blegen Hall 225, In Person; 4 cr.

3234 Knowledge and Society

(Student Option;)
55329 001 LEC, 09:45-11:00 MF, Hubert H. Humphrey School 184, In Person; Catharine Saint-Croix ; 3 cr.

3301 Environmental Ethics

(Student Option; ENV)
65494 001 DIS, 11:15-12:55 TTh, Hubert H. Humphrey School 15, In Person; Aila O'loughlin ; 4 cr.

3305 Medical Ethics

(Student Option;)
53672 001 LEC, 11:15-12:05 MWF, Blegen Hall 250, In Person; Brian Bix ; 4 cr.
54049 002 DIS, 11:15-12:05 Th, Blegen Hall 330, In Person; 4 cr.
54050 003 DIS, 12:20-13:10 Th, Blegen Hall 330, In Person; 4 cr.

3601W Scientific Thought

(Student Option; Prereq: One course in philosophy or natural scienceW)
52711 001 LEC, 11:15-12:55 MW, Blegen Hall 155, In Person; Michael Bennett McNulty ; 4 cr.

3607 Philosophy of Psychology**(Student Option; Prereq: One course in philosophy or psychology)**

- 65404 001 LEC, 13:00-14:15 MW, Anderson Hall 250, In Person; Valerie Tiberius ; 4 cr.
 65405 002 DIS, 12:20-13:10 F, Blegen Hall 335, In Person; 4 cr.
 65406 003 DIS, 12:20-13:10 F, Blegen Hall 330, In Person; 4 cr.
 65407 004 DIS, 13:25-14:15 F, Blegen Hall 335, In Person; 4 cr.
 65408 005 DIS, 13:25-14:15 F, Blegen Hall 330, In Person; 4 cr.

3993 Directed Studies**(Student Option; Prereq instr consent, dept consent, college consent.)**

- 51866 001 IND, 00:00-00:00 , , In Person; 1-3 cr.

4231 Philosophy of Language**(Student Option; Prereq: 1001 or 5201 or instr consent)**

- 54653 001 LEC, 13:00-14:15 MW, Blegen Hall 205, In Person; Meets With: 001 PHIL 5231; David Taylor ; 3 cr.

4311W History of Moral Theories**(Student Option; Prereq: 1003 or instr consentWI)**

- 65495 001 LEC, 13:00-14:15 TTh, Hubert H. Humphrey School 35, In Person; Meets With: 001 PHIL 5311; Tamara Fakhoury ; 3 cr.

4414 Political Philosophy**(Student Option; Prereq: 1004 or instr consent)**

- 65409 001 LEC, 16:40-19:10 W, Folwell Hall 103, In Person; Meets With: 001 PHIL 5414001 GER 5610; Matthias Rothe ; 3 cr.

4607 Philosophy of the Biological Sciences**(Student Option;)**

- 65493 001 LEC, 16:40-19:10 M, Blegen Hall 115, In Person; Yoshinari Yoshida ; 3 cr.

4622 Philosophy and Feminist Theory**(Student Option; Prereq: 8 crs in [philosophy or women's studies] or instr consent)**

- 66006 001 DIS, 09:45-11:00 TTh, Hubert H. Humphrey School 50A, In Person; Meets With: 001 PHIL 5622; Tamara Fakhoury ; 3 cr.

4888 Philosophy Senior Capstone**(A-F only;)**

- 55881 001 DIS, 14:30-15:20 M, Walter W Heller Hall 731, 14:30-17:00 W, Walter W Heller Hall 731, In Person; Meets With: 001 PHIL 4888H; Michael Bennett McNulty, Sarah Holtman ; 4 cr.

4888H Honors Philosophy Senior Capstone**(A-F only;)**

- 55895 001 DIS, 14:30-15:20 M, Walter W Heller Hall 731, 14:30-17:00 W, Walter W Heller Hall 731, In Person; Meets With: 001 PHIL 4888; Michael Bennett McNulty, Sarah Holtman ; 4 cr.

4893 Capstone: Directed Studies**(A-F only; Prereq: instr consent, dept consent)**

- 53037 001 IND, 00:00-00:00 , , Independent/Directed Study; 1 cr.

4993 Directed Studies**(Student Option; Prereq instr consent, dept consent, college consent.)**

- 51865 001 IND, 00:00-00:00 , , In Person; 1-3 cr.

5202 Symbolic Logic II**(Student Option; Prereq: 5201 or instr consent)**

- 65497 001 LEC, 13:00-14:15 TTh, Walter W Heller Hall 731, In Person; Roy Cook ; 4 cr.
 65498 002 DIS, 13:25-14:15 F, Walter W Heller Hall 731, In Person; Roy Cook ; 4 cr.

5222 Philosophy of Mathematics**(Student Option; Prereq: College level logic or mathematics course or instr consent)**

- 65499 001 LEC, 14:30-15:45 TTh, Walter W Heller Hall 731, In Person; Roy Cook ; 3 cr.

5231 Philosophy of Language**(Student Option; Prereq: 1001 or 5201 or instr consent)**

- 54728 001 LEC, 13:00-14:15 MW, Blegen Hall 205, In Person; Meets With: 001 PHIL 4231; David Taylor ; 3 cr.

5311 History of Moral Theories**(Student Option; Prereq: 1003W or instr consent or GRAD)**

- 65496 001 LEC, 13:00-14:15 TTh, Hubert H. Humphrey School 35, In Person; Meets With: 001 PHIL 4311W; Tamara Fakhoury ; 3 cr.

5414 Political Philosophy**(Student Option; Prereq: 1004 or instr consent)**

- 65410 001 LEC, 16:40-19:10 W, Folwell Hall 103, In Person; Meets With: 001 PHIL 4414001 GER 5610; Matthias Rothe ; 3 cr.

5415 Philosophy of Law**(Student Option; Prereq: 1003 or 1004 or 3302 or social science major or instr consent)**

- 53051 001 LEC, 13:25-14:20 MWF, Mondale Hall 5, In Person; Meets With: 001 LAW 6615; Brian Bix ; 3 cr.

5622 Philosophy and Feminist Theory**(Student Option; Prereq: 8 crs in [philosophy or women's studies] or instr consent)**

- 66007 001 DIS, 09:45-11:00 TTh, Hubert H. Humphrey School 50A, In Person; Meets With: 001 PHIL 4622; Tamara Fakhoury ; 3 cr.

5760 Selected Topics in Philosophy**(Student Option; Prereq: 3xxx-5xxx course in phil or instr consent)**

- 65644 001 DIS, 09:30-12:00 W, Walter W Heller Hall 731, In Person; Meets With: 001 BTHX 5000002 BTHX 8610; Carl Elliott ; 3 cr.

5993 Directed Studies**(Student Option; Prereq: instr consent, dept consent, college consent)**

- 51867 001 IND, 00:00-00:00 , , In Person; 1-3 cr.

Physical Education (PE)**1007 Swimming For Beginners****(Student Option No Audit;)**

- 68627 001 LAB, 08:00-09:40 TTh, Cooke Hall 10, In Person; Ayanna Rakhu ; 1 cr.
 68628 002 LAB, 10:10-11:50 TTh, Cooke Hall 10, In Person; Ayanna Rakhu ; 1 cr.

1012 Running for Beginners**(Student Option No Audit;)**

- 51491 001 LAB, Completely Online; Meghan Windschill ; 1 cr.
 51492 002 LAB, Completely Online; Meghan Windschill ; 1 cr.
 51645 003 LAB, Completely Online; Meghan Windschill ; 1 cr.
 51646 004 LAB, Completely Online; Meghan Windschill ; 1 cr.

1014 Conditioning**(Student Option No Audit;)**

- 50320 002 LAB, 09:05-09:55 MW, U Of M Field House 50, In Person; Nathan Kubik ; 1 cr.
 50321 003 LAB, 10:10-11:00 MW, U Of M Field House 50, In Person; Nathan Kubik ; 1 cr.
 50323 007 LAB, 11:15-12:05 TTh, U Of M Field House 50, In Person; Efrat Abadi ; 1 cr.
 51450 008 LAB, 10:10-11:50 F, U Of M Field House 50, In Person; Olivia Wicker ; 1 cr.
 51490 004 LAB, 11:15-12:05 MW, U Of M Field House 50, In Person; Andrew Gunsallus ; 1 cr.
 51649 009 LAB, Completely Online; Olivia Wicker ; 1 cr.
 51650 012 LAB, Completely Online; Olivia Wicker ; 1 cr.
 51651 011 LAB, Completely Online; Olivia Wicker ; 1 cr.

1015 Weight Training**(Student Option No Audit;)**

- 50324 001 LAB, 08:00-08:50 MW, University Rec Center 120, In Person; Andrew Gunsallus ; 1 cr.
 50325 002 LAB, 09:05-09:55 MW, University Rec Center 120, In Person; Andrew Gunsallus ; 1 cr.
 50326 003 LAB, 10:10-11:00 MW, University Rec Center 120, In Person; Andrew Gunsallus ; 1 cr.
 50327 004 LAB, 08:00-08:50 TTh, University Rec Center 120, In Person; Benjamin Kohler ; 1 cr.
 50328 005 LAB, 09:05-09:55 TTh, University Rec Center 120, In Person; Benjamin Kohler ; 1 cr.
 51652 006 LAB, 10:10-11:00 TTh, University Rec Center 120, In Person; Benjamin Kohler ; 1 cr.

1016 Posture and Individual Exercise**(Student Option No Audit;)**

- 51362 001 LAB, 13:25-14:15 MW, Cooke Hall 325, In Person; Alexandra Eady ; 1 cr.
 51653 002 LAB, 14:30-15:20 MW, Cooke Hall 325, In Person; Alexandra Eady ; 1 cr.
 51654 003 LAB, Completely Online; Amanda Frayeh ; 1 cr.
 51655 004 LAB, Completely Online; Amanda Frayeh ; 1 cr.
 51656 005 LAB, Completely Online; Amanda Frayeh ; 1 cr.
 51657 006 LAB, Completely Online; Amanda Frayeh ; 1 cr.
 68027 007 LAB, Completely Online; Alexandra Eady ; 1 cr.

- 68082 008 LAB, 08:00-08:50 MW, Cooke Hall 308, In Person; Mary Troullier ; 1 cr.
 68083 009 LAB, 09:05-09:55 MW, Cooke Hall 308, In Person; Mary Troullier ; 1 cr.

1031 Sabre Fencing**(Student Option No Audit;)**

- 51099 001 LAB, 09:05-09:55 TTh, Cooke Hall 308, In Person; Dong-Ying Pai ; 1 cr.

1032 Badminton**(Student Option No Audit;)**

- 51175 001 LAB, 10:10-11:00 MW, Cooke Hall 325, In Person; Rahul Rajan ; 1 cr.
 51176 002 LAB, 11:15-12:05 MW, Cooke Hall 325, In Person; Rahul Rajan ; 1 cr.

1033 Foil Fencing**(Student Option No Audit;)**

- 51100 001 LAB, 10:10-11:00 TTh, Cooke Hall 308, In Person; Dong-Ying Pai ; 1 cr.

1035 Karate**(Student Option No Audit;)**

- 50315 001 LAB, 10:10-11:50 F, Cooke Hall 308, In Person; Trung Le ; 1 cr.

1036 Racquetball**(Student Option No Audit;)**

- 67627 001 LAB, 10:10-11:00 TTh, University Rec Center 145, In Person; Mitchell Hoffman ; 1 cr.
 67628 002 LAB, 11:15-12:05 TTh, University Rec Center 145, In Person; Mitchell Hoffman ; 1 cr.

1037 Squash**(Student Option No Audit;)**

- 50763 001 LAB, 11:15-12:05 MW, University Rec Center 143, In Person; John Stever ; 1 cr.
 51089 002 LAB, 10:10-11:50 F, University Rec Center 143, In Person; John Stever ; 1 cr.

1038 Tennis**(Student Option No Audit;)**

- 50331 005 LAB, 08:00-08:50 TTh, Ridder Arena/Baseline 106, In Person; Daniel Haertl ; 1 cr.
 50332 006 LAB, 09:05-09:55 TTh, Ridder Arena/Baseline 106, In Person; Daniel Haertl ; 1 cr.
 50799 007 LAB, 10:10-11:00 TTh, Ridder Arena/Baseline 106, In Person; Daniel Haertl ; 1 cr.
 50800 008 LAB, 11:15-12:05 TTh, Ridder Arena/Baseline 106, In Person; Daniel Haertl ; 1 cr.

1044 Self-Defense**(Student Option No Audit;)**

- 50316 001 LAB, 10:10-11:00 MW, Cooke Hall 308, In Person; Kara Winter ; 1 cr.
 50317 002 LAB, 11:15-12:05 MW, Cooke Hall 308, In Person; Kara Winter ; 1 cr.
 50425 003 LAB, 08:00-08:50 TTh, University Rec Center 320, In Person; Trung Le ; 1 cr.
 50768 004 LAB, 09:05-09:55 TTh, University Rec Center 320, In Person; Trung Le ; 1 cr.
 50801 005 LAB, 13:25-15:05 M, Cooke Hall 308, In Person; Kara Winter ; 1 cr.
 51090 006 LAB, 18:45-20:30 W, St. Paul Gymnasium 130, In Person; Kara Winter ; 1 cr.
 51156 007 LAB, 13:25-15:15 F, Cooke Hall 308, In Person; Trung Le ; 1 cr.

1045 Rock Climbing**(Student Option No Audit; Prereq: Good general health, no [neck or back] problems)**

- 50923 001 LAB, 08:00-09:40 M, University Rec Center 68B, In Person; Tyler Williams ; 1 cr.
 50924 002 LAB, 10:10-11:50 M, University Rec Center 68B, In Person; Tyler Williams ; 1 cr.
 51685 005 LAB, 08:00-09:40 W, University Rec Center 68B, In Person; Zach Bramel ; 1 cr.
 51686 006 LAB, 10:10-11:50 W, University Rec Center 68B, In Person; Zach Bramel ; 1 cr.

1046 Tae Kwon Do**(Student Option No Audit;)**

- 50512 002 LEC, 10:10-11:00 TTh, Cooke Hall 325, In Person; Aaron Kim ; 1 cr.
 51295 003 LEC, 11:15-12:05 TTh, Cooke Hall 325, In Person; Aaron Kim ; 1 cr.
 51364 001 LEC, 09:05-09:55 TTh, Cooke Hall 325, In Person; Aaron Kim ; 1 cr.

1048 Bowling**(Student Option No Audit;)**

- 50802 001 LAB, 09:05-09:55 TTh, Coffman Memorial Union B3, In Person; William Thompson ; 1 cr.

50887 002 LAB, 10:10-11:00 TTh, Coffman Memorial Union B3, In Person; William Thompson ; 1 cr.
 50888 003 LAB, 11:15-12:05 TTh, Coffman Memorial Union B3, In Person; William Thompson ; 1 cr.
 50889 004 LAB, 12:20-13:10 TTh, Coffman Memorial Union B3, In Person; William Thompson ; 1 cr.

1057 Skiing

(Student Option No Audit;)

50357 001 LAB, 17:00-21:00 T, No Room Required, In Person; Dawn Smith ; 1 cr.
 50358 002 LAB, 17:00-21:00 Th, No Room Required, In Person; Dawn Smith ; 1 cr.

1058 Snowboarding

(Student Option No Audit;)

50498 001 LAB, 16:00-20:00 T, No Room Required, In Person; Erin Ramberg ; 1 cr.
 50499 002 LAB, 16:00-20:00 Th, No Room Required, In Person; Erin Ramberg ; 1 cr.
 51256 004 LAB, 14:30-18:30 Su, No Room Required, In Person; Erin Ramberg ; 1 cr.

1067 Basketball

(Student Option No Audit;)

51664 001 LAB, 09:05-09:55 TTh, Fieldhouse Basketball Courts, In Person; Efrat Abadi ; 1 cr.
 51665 002 LAB, 10:10-11:00 TTh, Fieldhouse Basketball Courts, In Person; Efrat Abadi ; 1 cr.

1071 Beginning Cricket

(Student Option No Audit;)

51304 001 LAB, 09:05-10:45 F, University Rec Center 451, In Person; Charles Peterson ; 1 cr.

1072 Soccer

(Student Option No Audit;)

50890 003 LAB, 09:05-10:45 TTh, U Of M Fieldhouse 102 (E), In Person; Viktor Adamcsek ; 1 cr.
 51091 004 LAB, 11:15-12:55 TTh, U Of M Fieldhouse 102 (E), In Person; Viktor Adamcsek ; 1 cr.
 51365 001 LAB, 09:05-10:45 MW, U Of M Fieldhouse 102 (E), In Person; John Curtis ; 1 cr.
 51658 005 LAB, 09:05-10:45 MW, U Of M Fieldhouse 102 (E), In Person; John Curtis ; 1 cr.
 51659 006 LAB, 11:15-12:55 MW, U Of M Fieldhouse 102 (E), In Person; John Curtis ; 1 cr.
 51660 007 LAB, 09:05-10:45 TTh, U Of M Fieldhouse 102 (E), In Person; Viktor Adamcsek ; 1 cr.
 67624 008 LAB, 11:15-12:55 TTh, U Of M Fieldhouse 102 (E), In Person; Viktor Adamcsek ; 1 cr.
 67625 002 LAB, 11:15-12:55 MW, U Of M Fieldhouse 102 (E), In Person; John Curtis ; 1 cr.

1074 Beginning Volleyball

(Student Option No Audit;)

51666 001 LAB, 08:00-09:55 MW, Cooke Hall 325, In Person; Amy Carlson ; 1 cr.
 51676 002 LAB, 08:00-09:55 MW, Cooke Hall 325, In Person; Amy Carlson ; 1 cr.

1076 Flag Football

(Student Option No Audit;)

51667 001 LAB, 10:10-11:50 MW, Huntington Bank Stad Field Eas, In Person; Jaime Medina ; 1 cr.
 51668 002 LAB, 10:10-11:50 TTh, Huntington Bank Stad Field Eas, In Person; Jaime Medina ; 1 cr.

1205 Scuba and Skin Diving

(Student Option No Audit; Prereq: Ability to swim 400 yds comfortably or instr consent)

50318 001 LAB, 18:00-22:15 M, University Aquatic Center 45, In Person; Clara Ries ; 1 cr.
 50426 003 LAB, 10:10-12:05 TTh, University Aquatic Center 45, In Person; Robert Karl ; 1 cr.
 51452 002 LAB, 18:00-22:15 W, University Aquatic Center 45, In Person; Robert Karl ; 1 cr.
 51661 004 LAB, 18:00-22:15 M, University Aquatic Center 45, In Person; Clara Ries ; 1 cr.
 51662 005 LAB, 18:00-22:15 W, University Aquatic Center 45, In Person; Robert Karl ; 1 cr.
 51663 006 LAB, 10:10-12:05 TTh, University Aquatic Center 45, In Person; Robert Karl ; 1 cr.

1262 Marathon Training

(Student Option No Audit; Prereq: No pre-existing medical condition that would prevent finishing a marathon, instr consent)

51130 001 LAB, 07:30-10:30 Sa, Lab TBA, 08:00-09:30 W, U Of M Fieldhouse Track (W), In Person; Christopher Lundstrom ; 3 cr.

1002 Orientation to Physical Therapy

(S-N or Audit;)

60939 002 LEC, 13:25-14:15 T, Twin Cities Remote, Completely Online; Jennifer Arnold ; 1 cr.

Physics (PHYS)

1001W Energy and the Environment

(Student Option; Prereq: 1 yr high school algebraENV,WI,PHYS)

57753 100 LEC, 12:20-13:10 MWF, Tate Hall B20, In Person; Andrew Furmanski ; 4 cr.
 57754 101 LAB, 08:00-09:55 Th, Tate Hall B78, In Person; Andrew Furmanski ; 4 cr.
 57755 102 LAB, 10:10-12:05 Th, Tate Hall B78, In Person; Andrew Furmanski ; 4 cr.
 57756 103 LAB, 12:20-14:15 Th, Tate Hall B78, In Person; Andrew Furmanski ; 4 cr.
 59689 106 LAB, 13:25-15:20 W, Tate Hall B78, In Person; Andrew Furmanski ; 4 cr.
 59765 107 LAB, 15:35-17:30 W, Tate Hall B78, In Person; Andrew Furmanski ; 4 cr.

1051W Quantum Worlds

(Student Option No Audit; PHYS,WI)

66194 100 LEC, 09:05-09:55 MWF, Tate Hall 110, In Person; Michel Janssen ; 4 cr.
 66195 101 LAB, 09:05-09:55 Th, Tate Hall B80, In Person; 4 cr.
 66196 102 LAB, 10:10-11:00 Th, Tate Hall B80, In Person; 4 cr.

1101W Introductory College Physics I

(Student Option; Prereq: High school algebra, plane geometry, trigonometry; primarily for students interested in technical areasPHYS,WI)

57757 100 LEC, 13:25-14:15 MWF, Tate Hall B50, In Person; Ken Heller ; 4 cr.
 57758 103 DIS, 13:25-14:15 T, Molecular Cellular Biol 2-120, In Person; Ken Heller ; 4 cr.
 57759 104 LAB, 11:15-13:10 M, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 57760 105 DIS, 13:25-14:15 T, Pillsbury Hall 311, In Person; Ken Heller ; 4 cr.
 57761 106 LAB, 14:30-16:25 M, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 57762 107 DIS, 13:25-14:15 T, Appleby Hall 128, In Person; Ken Heller ; 4 cr.
 57763 108 LAB, 16:40-18:35 M, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 57764 111 DIS, 13:25-14:15 T, Blegen Hall 105, In Person; Ken Heller ; 4 cr.
 57765 112 LAB, 10:10-12:05 T, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 59766 124 DIS, 14:30-15:20 T, Tate Hall B65, In Person; Ken Heller ; 4 cr.
 59767 125 LAB, 17:45-19:40 T, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 59768 126 DIS, 14:30-15:20 T, Kolthoff Hall 139, In Person; Ken Heller ; 4 cr.
 59769 127 LAB, 08:00-09:55 W, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 59770 128 DIS, 14:30-15:20 T, Vincent Hall 301, In Person; Ken Heller ; 4 cr.
 59771 129 LAB, 10:10-12:05 W, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 59772 130 DIS, 14:30-15:20 T, Kolthoff Hall 140, In Person; Ken Heller ; 4 cr.
 59773 131 LAB, 14:30-16:25 W, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 59942 101 DIS, 13:25-14:15 T, Amundson Hall 124, In Person; Ken Heller ; 4 cr.
 59943 102 LAB, 09:05-11:00 M, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 59944 109 DIS, 13:25-14:15 T, Hubert H. Humphrey School 50A, In Person; Ken Heller ; 4 cr.
 59945 110 LAB, 08:00-09:55 T, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 59946 113 DIS, 13:25-14:15 T, Bruininks Hal 121, In Person; Ken Heller ; 4 cr.
 59947 114 LAB, 15:35-17:30 T, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 59948 132 DIS, 14:30-15:20 T, Amundson Hall 162, In Person; Ken Heller ; 4 cr.
 59949 133 LAB, 09:05-11:00 Th, Tate Hall B76, In Person; Ken Heller ; 4 cr.
 59950 134 DIS, 14:30-15:20 T, Mechanical Engineering 25, In Person; Ken Heller ; 4 cr.
 59951 135 LAB, 11:15-13:10 Th, Tate Hall B76, In Person; Ken Heller ; 4 cr.

1102W Introductory College Physics II

(Student Option; Prereq: 1101W or 1107PHYS,WI)

57766 100 LEC, 13:25-14:15 MWF, Tate Hall B20, In Person; Jeremiah Mans ; 4 cr.
 57767 101 DIS, 12:20-13:10 Th, Kolthoff Hall 132, In Person; Jeremiah Mans ; 4 cr.
 57768 102 LAB, 09:05-11:00 M, Tate Hall B78, In Person; Jeremiah Mans ; 4 cr.
 59690 106 LAB, 14:30-16:25 M, Tate Hall B78, In Person; Jeremiah Mans ; 4 cr.
 59693 105 DIS, 12:20-13:10 Th, Nicholson Hall 355, In Person; Jeremiah Mans ; 4 cr.
 59774 130 DIS, 13:25-14:15 Th, Bruininks Hall 123, In Person; Jeremiah Mans ; 4 cr.
 59775 131 LAB, 12:20-14:15 T, Tate Hall B78, In Person; Jeremiah Mans ; 4 cr.
 59940 132 DIS, 13:25-14:15 Th, Akerman Hall 317, In Person; Jeremiah Mans ; 4 cr.
 59941 133 LAB, 14:30-16:25 T, Tate Hall B78, In Person; Jeremiah Mans ; 4 cr.
 60413 103 DIS, 12:20-13:10 Th, Kolthoff Hall 135, In Person; Jeremiah Mans ; 4 cr.
 60414 104 LAB, 11:15-13:10 M, Tate Hall B78, In Person; Jeremiah Mans ; 4 cr.

1108 Introductory Physics Online II

(Student Option; Prereq: 1107; primarily for students interested in technical areasPHYS)

59185 100 IND, 00:00-00:00 , ONLINE, Completely Online; Pete Border ; 4 cr.

1221 Introductory Physics for Life Science Majors I

(Student Option; Prereq: High School or College CalculusPHYS)

59873 101 DIS, 12:20-13:10 T, Kolthoff Hall 132, In Person; 4 cr.
 59874 102 LAB, 09:05-11:00 T, Tate Hall B59, In Person; 4 cr.
 59875 103 DIS, 12:20-13:10 T, Kolthoff Hall 136, In Person; 4 cr.
 59876 104 LAB, 08:00-09:55 W, Tate Hall B59, In Person; 4 cr.
 59877 105 DIS, 12:20-13:10 T, Folwell Hall 32, In Person; 4 cr.
 59878 106 LAB, 15:35-17:30 W, Tate Hall B59, In Person; 4 cr.
 59879 111 DIS, 11:15-12:05 T, Vincent Hall 207, In Person; 4 cr.
 59880 112 LAB, 14:30-16:25 T, Tate Hall B59, In Person; 4 cr.
 59881 113 DIS, 11:15-12:05 T, Ford Hall 127, In Person; 4 cr.
 59882 114 LAB, 10:10-12:05 W, Tate Hall B59, In Person; 4 cr.
 59883 121 DIS, 11:15-12:05 T, Akerman Hall 211, In Person; 4 cr.
 59884 122 LAB, 08:00-09:55 Th, Tate Hall B59, In Person; 4 cr.
 59885 127 DIS, 13:25-14:15 T, Hubert H. Humphrey School 30, In Person; 4 cr.
 59886 128 LAB, 16:40-18:35 T, Tate Hall B59, In Person; 4 cr.
 59887 129 DIS, 13:25-14:15 T, Vincent Hall 301, In Person; 4 cr.
 59888 130 LAB, 13:25-15:20 W, Tate Hall B59, In Person; 4 cr.
 59889 131 DIS, 13:25-14:15 T, Akerman Hall 313, In Person; 4 cr.
 59890 132 LAB, 10:10-12:05 Th, Tate Hall B59, In Person; 4 cr.
 59891 200 LEC, 17:45-18:35 Th, Room TBA, 15:35-16:25 MWF, Tate Hall B20, In Person; Shaul Hanany ; 4 cr.
 59894 203 DIS, 15:35-16:25 T, Tate Hall 120, In Person; 4 cr.
 59895 204 LAB, 09:05-11:00 W, Tate Hall B70, In Person; 4 cr.
 59896 205 DIS, 15:35-16:25 T, Tate Hall B65, In Person; 4 cr.
 59897 206 LAB, 11:15-13:10 M, Tate Hall B70, In Person; 4 cr.
 59900 213 DIS, 14:30-15:20 T, Ford Hall 170, In Person; 4 cr.
 59901 214 LAB, 11:15-13:10 W, Tate Hall B70, In Person; 4 cr.
 59902 221 DIS, 14:30-15:20 T, Smith Hall 111, In Person; 4 cr.
 59903 222 LAB, 13:25-15:20 M, Tate Hall B70, In Person; 4 cr.
 59906 225 DIS, 16:40-17:30 T, Tate Hall 120, In Person; 4 cr.
 59907 226 LAB, 13:25-15:20 W, Tate Hall B70, In Person; 4 cr.
 59908 227 DIS, 16:40-17:30 T, Tate Hall B65, In Person; 4 cr.
 59909 228 LAB, 16:40-18:35 M, Tate Hall B70, In Person; 4 cr.
 59910 100 LEC, 17:45-18:35 Th, Room TBA, 12:20-13:10 MWF, Tate Hall B50, In Person; Paul Haines ; 4 cr.

Physical Therapy (PT)

1222 Introductory Physics for Life Science**Majors II****(Student Option; Prereq: PHYS 1221 or equivalentPHYS)**

59985 100 LEC, 17:45-18:35 Th, Room TBA, 09:05-09:55 MWF, Tate Hall B50, In Person; E Dahlberg ; 4 cr.
 60031 102 LAB, 12:20-14:15 M, Tate Hall B74, In Person; E Dahlberg ; 4 cr.
 60032 101 DIS, 08:00-08:50 Th, Amundson Hall 104, In Person; E Dahlberg ; 4 cr.
 60033 200 LEC, 17:45-18:35 Th, Room TBA, 16:40-17:30 MTW, Tate Hall B50, In Person; Aaron Wynveen ; 4 cr.
 60098 103 DIS, 08:00-08:50 Th, Amundson Hall 156, In Person; E Dahlberg ; 4 cr.
 60099 104 LAB, 10:10-12:05 T, Tate Hall B74, In Person; E Dahlberg ; 4 cr.
 60100 105 DIS, 08:00-08:50 Th, Ford Hall 170, In Person; E Dahlberg ; 4 cr.
 60101 106 LAB, 16:40-18:35 T, Tate Hall B74, In Person; E Dahlberg ; 4 cr.
 60106 123 DIS, 09:05-09:55 Th, Bruininks Hall 117, In Person; E Dahlberg ; 4 cr.
 60107 124 LAB, 12:20-14:15 T, Tate Hall B74, In Person; E Dahlberg ; 4 cr.
 60108 125 DIS, 09:05-09:55 Th, Bruininks Hall 123, In Person; E Dahlberg ; 4 cr.
 60109 126 LAB, 10:10-12:05 W, Tate Hall B74, In Person; E Dahlberg ; 4 cr.
 60110 129 DIS, 09:05-09:55 Th, Bruininks Hall 144, In Person; E Dahlberg ; 4 cr.
 60111 130 LAB, 10:10-12:05 M, Tate Hall B74, In Person; E Dahlberg ; 4 cr.
 60114 143 DIS, 10:10-11:00 Th, Smith Hall 111, In Person; E Dahlberg ; 4 cr.
 60115 144 LAB, 14:30-16:25 T, Tate Hall B74, In Person; E Dahlberg ; 4 cr.
 60116 145 DIS, 10:10-11:00 Th, Vincent Hall 364, In Person; E Dahlberg ; 4 cr.
 60117 146 LAB, 13:25-15:20 W, Tate Hall B74, In Person; E Dahlberg ; 4 cr.
 60118 147 DIS, 10:10-11:00 Th, Mechanical Engineering 321, In Person; E Dahlberg ; 4 cr.
 60119 148 LAB, 11:15-13:10 Th, Tate Hall B74, In Person; E Dahlberg ; 4 cr.
 60120 203 DIS, 15:35-16:25 Th, Bruininks Hal 121, In Person; Aaron Wynveen ; 4 cr.
 60121 204 LAB, 08:00-09:55 T, Tate Hall B63, In Person; Aaron Wynveen ; 4 cr.
 60122 207 DIS, 15:35-16:25 Th, Ford Hall 170, In Person; Aaron Wynveen ; 4 cr.
 60123 208 LAB, 08:00-09:55 W, Tate Hall B63, In Person; Aaron Wynveen ; 4 cr.
 60124 223 DIS, 16:40-17:30 Th, Tate Hall B65, In Person; Aaron Wynveen ; 4 cr.
 60125 224 LAB, 10:10-12:05 T, Tate Hall B63, In Person; Aaron Wynveen ; 4 cr.
 60126 227 DIS, 16:40-17:30 Th, Tate Hall B85, In Person; Aaron Wynveen ; 4 cr.
 60127 228 LAB, 14:30-16:25 W, Tate Hall B63, In Person; Aaron Wynveen ; 4 cr.
 60128 243 DIS, 14:30-15:20 Th, Smith Hall 111, In Person; Aaron Wynveen ; 4 cr.
 60129 244 LAB, 12:20-14:15 T, Tate Hall B63, In Person; Aaron Wynveen ; 4 cr.
 60130 245 DIS, 14:30-15:20 Th, Kolthoff Hall 140, In Person; Aaron Wynveen ; 4 cr.
 60131 246 LAB, 12:20-14:15 W, Tate Hall B63, In Person; Aaron Wynveen ; 4 cr.

1301W Introductory Physics for Science and Engineering I**(Student Option; Prereq or concurrent: MATH 1271/1371/1371H or equivalentPHYS,WI)**

57769 100 LEC, 17:45-18:35 W, Room TBA, 08:00-08:50 MWF, Tate Hall B20, In Person; Sadie Elliott ; 4 cr.
 57770 101 DIS, 08:00-08:50 Th, Mechanical Engineering 102, In Person; 4 cr.
 57771 102 LAB, 10:10-12:05 M, Tate Hall B61, In Person; 4 cr.
 57772 103 DIS, 08:00-08:50 Th, Mechanical Engineering 221, In Person; 4 cr.
 57773 104 LAB, 14:30-16:25 M, Tate Hall B61, In Person; 4 cr.
 57774 105 DIS, 08:00-08:50 Th, Tate Hall B65, In Person; 4 cr.
 57775 106 LAB, 12:20-14:15 T, Tate Hall B61, In Person; 4 cr.
 57776 130 DIS, 09:05-09:55 Th, Appleby Hall 303, In Person; 4 cr.
 57777 131 LAB, 12:20-14:15 M, Tate Hall B61, In Person; 4 cr.
 57778 132 DIS, 09:05-09:55 Th, Appleby Hall 11, In Person; 4 cr.
 57779 133 LAB, 14:30-16:25 T, Tate Hall B61, In Person; 4 cr.

57780 134 DIS, 09:05-09:55 Th, Ford Hall 110, In Person; 4 cr.
 57781 135 LAB, 14:30-16:25 W, Tate Hall B61, In Person; 4 cr.
 59622 136 DIS, 09:05-09:55 Th, Tate Hall B65, In Person; 4 cr.
 59623 137 LAB, 14:30-16:25 Th, Tate Hall B61, In Person; 4 cr.
 59747 200 LEC, 17:45-18:35 W, Room TBA, 14:30-15:20 MWF, Tate Hall B50, In Person; Aleksey Cherman ; 4 cr.
 59776 204 LAB, 08:00-09:55 T, Tate Hall B61, In Person; Aleksey Cherman ; 4 cr.
 59777 220 LAB, 10:10-12:05 T, Tate Hall B61, In Person; Aleksey Cherman ; 4 cr.
 59778 222 LAB, 10:10-12:05 W, Tate Hall B61, In Person; Aleksey Cherman ; 4 cr.
 59779 224 LAB, 08:00-09:55 Th, Tate Hall B61, In Person; Aleksey Cherman ; 4 cr.
 59780 203 DIS, 14:30-15:20 Th, Mechanical Engineering 321, In Person; Aleksey Cherman ; 4 cr.
 59781 205 DIS, 14:30-15:20 Th, Amundson Hall 120, In Person; Aleksey Cherman ; 4 cr.
 59782 221 DIS, 15:35-16:25 Th, Amundson Hall 240, In Person; Aleksey Cherman ; 4 cr.
 59783 223 DIS, 15:35-16:25 Th, Tate Hall B65, In Person; Aleksey Cherman ; 4 cr.
 59784 206 LAB, 08:00-09:55 W, Tate Hall B61, In Person; Aleksey Cherman ; 4 cr.
 59785 219 DIS, 15:35-16:25 Th, Bruininks Hall 512A, In Person; Aleksey Cherman ; 4 cr.
 59967 208 LAB, 12:20-14:15 W, Tate Hall B61, In Person; Aleksey Cherman ; 4 cr.
 59968 207 DIS, 14:30-15:20 Th, Tate Hall B65, In Person; Aleksey Cherman ; 4 cr.
 59969 225 DIS, 15:35-16:25 Th, Tate Hall 120, In Person; Aleksey Cherman ; 4 cr.
 59970 226 LAB, 12:20-14:15 Th, Tate Hall B61, In Person; Aleksey Cherman, Yasmely Lopez ; 4 cr.
 60417 107 DIS, 08:00-08:50 Th, Tate Hall 120, In Person; 4 cr.
 60418 108 LAB, 16:40-18:35 T, Tate Hall B61, In Person; 4 cr.
 60419 201 DIS, 14:30-15:20 Th, Amundson Hall 116, In Person; Aleksey Cherman ; 4 cr.
 60420 202 LAB, 08:00-09:55 M, Tate Hall B61, In Person; Aleksey Cherman ; 4 cr.

1302W Introductory Physics for Science and Engineering II**(Student Option; Prereq: PHYS 1301 or equivalent, Prereq or Concurrent: MATH 1272/1372/1572H or equivalentPHYS,WI)**

57782 100 LEC, 17:45-18:35 T, Room TBA, 08:00-08:50 MWF, Tate Hall B50, In Person; Paul Haines ; 4 cr.
 57783 101 DIS, 08:00-08:50 Th, Amundson Hall 162, In Person; Paul Haines ; 4 cr.
 57784 102 LAB, 09:05-11:00 M, Tate Hall B26, In Person; 4 cr.
 57785 103 DIS, 08:00-08:50 Th, Amundson Hall 158, In Person; 4 cr.
 57786 104 LAB, 13:25-15:20 M, Tate Hall B26, In Person; 4 cr.
 57787 105 DIS, 08:00-08:50 Th, Akerman Hall 313, In Person; 4 cr.
 57788 106 LAB, 10:10-12:05 T, Tate Hall B23, In Person; 4 cr.
 57789 121 DIS, 09:05-09:55 Th, Smith Hall 111, In Person; 4 cr.
 57790 122 LAB, 11:15-13:10 M, Tate Hall B26, In Person; 4 cr.
 57791 123 DIS, 09:05-09:55 Th, Vincent Hall 364, In Person; 4 cr.
 57792 124 LAB, 08:00-09:55 T, Tate Hall B26, In Person; 4 cr.
 57793 125 DIS, 09:05-09:55 Th, Civil Engineering Bldg 213, In Person; 4 cr.
 57794 126 LAB, 12:20-14:15 T, Tate Hall B72, In Person; 4 cr.
 57795 111 DIS, 08:00-08:50 Th, Tate Hall B45, In Person; 4 cr.
 57796 112 LAB, 14:30-16:25 W, Tate Hall B26, In Person; 4 cr.
 57797 129 DIS, 09:05-09:55 Th, Vincent Hall 311, In Person; 4 cr.
 57798 130 LAB, 12:20-14:15 Th, Tate Hall B23, In Person; 4 cr.
 57799 300 LEC, 17:45-18:35 T, Room TBA, 11:15-12:05 MWF, Tate Hall B50, In Person; Lindsay Glesener ; 4 cr.
 57800 301 DIS, 10:10-11:00 Th, Armory Building 116, In Person; Lindsay Glesener ; 4 cr.
 57801 302 LAB, 08:00-09:55 M, Tate Hall B72, In Person; Lindsay Glesener ; 4 cr.
 57802 303 DIS, 10:10-11:00 Th, Blegen Hall 110, In Person; Lindsay Glesener ; 4 cr.
 57803 304 LAB, 14:30-16:25 M, Tate Hall B72, In Person; Lindsay Glesener ; 4 cr.
 57804 305 DIS, 10:10-11:00 Th, Kolthoff Hall 139, In Person; Lindsay Glesener ; 4 cr.
 57805 306 LAB, 12:20-14:15 T, Tate Hall B23, In Person; Lindsay Glesener ; 4 cr.
 57806 307 DIS, 10:10-11:00 Th, Bruininks Hall 131A, In Person; Lindsay Glesener ; 4 cr.
 57807 308 LAB, 08:00-09:55 W, Tate Hall B72, In Person; Lindsay Glesener ; 4 cr.
 57808 309 DIS, 10:10-11:00 Th, Bruininks Hall 117, In Person; Lindsay Glesener ; 4 cr.
 57809 310 LAB, 14:30-16:25 W, Tate Hall B23, In Person; Lindsay Glesener ; 4 cr.
 57810 311 DIS, 10:10-11:00 Th, Akerman Hall 319, In Person; Lindsay Glesener ; 4 cr.
 57811 312 LAB, 08:00-09:55 Th, Tate Hall B72, In Person; Lindsay Glesener ; 4 cr.
 57812 329 DIS, 11:15-12:05 Th, Akerman Hall 317, In Person; Lindsay Glesener ; 4 cr.
 57813 330 LAB, 12:20-14:15 M, Tate Hall B72, In Person; Lindsay Glesener ; 4 cr.
 57814 331 DIS, 11:15-12:05 Th, Akerman Hall 313, In Person; Lindsay Glesener ; 4 cr.
 57815 332 LAB, 16:40-18:35 M, Tate Hall B72, In Person; Lindsay Glesener ; 4 cr.
 57816 333 DIS, 11:15-12:05 Th, Akerman Hall 211, In Person; Lindsay Glesener ; 4 cr.
 57817 334 LAB, 10:10-12:05 T, Tate Hall B26, In Person; Lindsay Glesener ; 4 cr.
 57818 335 DIS, 11:15-12:05 Th, Mechanical Engineering 25, In Person; Lindsay Glesener ; 4 cr.
 57819 336 LAB, 12:20-14:15 W, Tate Hall B23, In Person; Lindsay Glesener ; 4 cr.
 57820 337 DIS, 11:15-12:05 Th, Smith Hall 121, In Person; Lindsay Glesener ; 4 cr.
 57821 338 LAB, 16:40-18:35 W, Tate Hall B26, In Person; Lindsay Glesener ; 4 cr.
 58144 107 DIS, 08:00-08:50 Th, Akerman Hall 317, In Person; 4 cr.
 58145 108 LAB, 14:30-16:25 T, Tate Hall B26, In Person; 4 cr.
 58146 109 DIS, 08:00-08:50 Th, Tate Hall B55, In Person; 4 cr.
 58147 110 LAB, 10:10-12:05 W, Tate Hall B26, In Person; 4 cr.
 58148 127 DIS, 09:05-09:55 Th, Vincent Hall 2, In Person; 4 cr.
 58149 128 LAB, 12:20-14:15 W, Tate Hall B26, In Person; 4 cr.
 59452 600 LEC, 17:45-18:35 T, Room TBA, 17:45-19:00 MW, Tate Hall B50, In Person; Sudhakar Prasad ; 4 cr.
 59453 601 DIS, 19:15-20:05 M, Tate Hall 120, In Person; 4 cr.
 59454 602 LAB, 15:35-17:30 M, Tate Hall B26, In Person; 4 cr.
 59455 605 DIS, 19:15-20:05 M, Tate Hall B65, In Person; 4 cr.
 59456 606 LAB, 14:30-16:25 T, Tate Hall B23, In Person; 4 cr.
 59457 607 DIS, 19:15-20:05 M, Akerman Hall 327, In Person; 4 cr.
 59458 608 LAB, 15:35-17:30 W, Tate Hall B72, In Person; 4 cr.
 59459 623 DIS, 20:15-21:05 M, Tate Hall 120, In Person; 4 cr.
 59460 624 LAB, 12:20-14:15 T, Tate Hall B26, In Person; 4 cr.
 59624 131 DIS, 09:05-09:55 Th, Tate Hall B55, In Person; 4 cr.
 59625 132 LAB, 09:05-11:00 F, Tate Hall B26, In Person; 4 cr.
 59626 313 DIS, 10:10-11:00 Th, Tate Hall B55, In Person; Lindsay Glesener ; 4 cr.
 59627 314 LAB, 14:30-16:25 Th, Tate Hall B72, In Person; Lindsay Glesener ; 4 cr.
 59748 200 LEC, 17:45-18:35 T, Room TBA, 10:10-11:00 MWF, Tate Hall B50, In Person; Martin Greven ; 4 cr.
 59786 203 DIS, 09:05-09:55 Th, Mechanical Engineering 25, In Person; 4 cr.
 59787 205 DIS, 09:05-09:55 Th, Mechanical Engineering 221, In Person; 4 cr.
 59788 208 LAB, 08:00-09:55 W, Tate Hall B26, In Person; 4 cr.
 59789 212 LAB, 16:40-18:35 W, Tate Hall B23, In Person; 4 cr.
 59790 206 LAB, 08:00-09:55 T, Tate Hall B23, In Person; 4 cr.
 59791 202 LAB, 08:00-09:55 M, Tate Hall B23, In Person; 4 cr.
 59792 207 DIS, 09:05-09:55 Th, Mechanical Engineering 102, In Person; 4 cr.
 59793 201 DIS, 09:05-09:55 Th, Kolthoff Hall 139, In Person; 4 cr.
 59794 230 LAB, 14:30-16:25 Th, Tate Hall B23, In Person; 4 cr.
 59795 228 LAB, 13:25-15:20 W, Tate Hall B72, In Person; 4 cr.

59796 226 LAB, 14:30-16:25 T, Tate Hall B72, In Person; 4 cr.
 59797 224 LAB, 10:10-12:05 T, Tate Hall B72, In Person; 4 cr.
 59798 222 LAB, 16:40-18:35 M, Tate Hall B23, In Person; 4 cr.
 59799 211 DIS, 09:05-09:55 Th, Vincent Hall 206, In Person; 4 cr.
 59800 209 DIS, 09:05-09:55 Th, Amundson Hall 124, In Person; 4 cr.
 59801 213 DIS, 09:05-09:55 Th, Appleby Hall 3, In Person; 4 cr.
 59802 219 DIS, 10:10-11:00 Th, Amundson Hall 116, In Person; 4 cr.
 59803 221 DIS, 10:10-11:00 Th, Amundson Hall 120, In Person; 4 cr.
 59804 223 DIS, 10:10-11:00 Th, Peik Hall 225, In Person; 4 cr.
 59805 225 DIS, 10:10-11:00 Th, Folwell Hall 107, In Person; 4 cr.
 59806 227 DIS, 10:10-11:00 Th, Amundson Hall 240, In Person; 4 cr.
 59807 229 DIS, 10:10-11:00 Th, Tate Hall B65, In Person; 4 cr.
 59808 204 LAB, 14:30-16:25 M, Tate Hall B23, In Person; 4 cr.
 59809 210 LAB, 11:15-13:10 W, Tate Hall B72, In Person; 4 cr.
 59810 214 LAB, 11:15-13:10 Th, Tate Hall B26, In Person; 4 cr.
 59811 220 LAB, 12:20-14:15 M, Tate Hall B23, In Person; 4 cr.
 59867 611 DIS, 19:15-20:05 M, Tate Hall B55, In Person; 4 cr.
 59868 612 LAB, 10:10-12:05 Th, Tate Hall B23, In Person; 4 cr.
 59971 339 DIS, 11:15-12:05 Th, Appleby Hall 11, In Person; Lindsay Glesener; 4 cr.
 59972 340 LAB, 12:20-14:15 Th, Tate Hall B72, In Person; Lindsay Glesener; 4 cr.

1402V Honors Physics II

(A-F only; Prereq or CC: MATH 1272/1372/1572H or equivalent)(PHYS,WI)

57823 002 DIS, 11:15-12:05 Th, Ford Hall 127, In Person; Yongzhong Qian; 4 cr.
 57827 102 LAB, 13:25-15:20 M, Tate Hall B82, In Person; Yongzhong Qian; 4 cr.
 57828 103 LAB, 09:05-11:00 T, Tate Hall B82, In Person; Yongzhong Qian; 4 cr.
 57829 104 LAB, 12:20-14:15 T, Tate Hall B82, In Person; Yongzhong Qian; 4 cr.
 57830 105 LAB, 14:30-16:25 W, Tate Hall B82, In Person; Yongzhong Qian; 4 cr.
 58315 001 LEC, 11:15-12:05 MTWF, Tate Hall B20, In Person; Yongzhong Qian; 4 cr.
 59251 006 DIS, 12:20-13:10 Th, Folwell Hall 30, In Person; Yongzhong Qian; 4 cr.

1910W What is Time?

(Student Option; WI)

65958 100 LEC, 10:10-11:00 MW, Tate Hall B55, In Person; J Halley; 2 cr.

2303 Physics III: Physics of Matter

(Student Option; Prereq: 1302, [MATH 1272 or MATH 1372 or MATH 1572H], [MatSci or EE] student)

57822 001 LEC, 15:35-16:25 MTWF, Tate Hall B50, In Person; James Kakaliotis; 4 cr.

2601 Quantum Physics

(Student Option; Prereq: PHYS2503/2503H, Recommended Concurrent: Phys 3041)

58382 001 LEC, 14:30-15:20 MWF, Tate Hall B20, In Person; Fiona Burnell; 4 cr.
 58384 004 DIS, 09:05-09:55 T, Vincent Hall 301, In Person; Fiona Burnell; 4 cr.
 58385 005 DIS, 10:10-11:00 T, Vincent Hall 364, In Person; Fiona Burnell; 4 cr.
 59169 006 DIS, 11:15-12:05 T, Akerman Hall 317, In Person; Fiona Burnell; 4 cr.
 59337 007 DIS, 13:25-14:15 T, Amundson Hall 116, In Person; Fiona Burnell; 4 cr.

3041 Mathematical Methods for Physicists

(Student Option; Prereq or CC: MATH 2263/2374/2573H or equivalent, Recommended Prereq: 2503/2503H, Recommended CC: PHYS 2601)

59816 001 LEC, 13:25-14:15 MWF, Tate Hall 101, In Person; Daniel Cronin-Hennessy; 3 cr.

3071W Laboratory-Based Physics for Teachers

(Student Option; Prereq: College algebra; no credit for CSE students or students who have completed PHYS

1201/1202, PHYS 1301/1301, PHYS 1401/1402, or PHYS 1501/1502.(PHYS,WI)

59336 001 LAB, 12:20-15:20 MW, Tate Hall B80, In Person; Jon Anderson; 4 cr.

3605W Modern Physics Laboratory

(Student Option; Prerequisites: completion (or concurrent registration) in PHYS 2503 or 2503H.WI)

59817 001 LEC, 11:15-12:05 Th, Tate Hall B20, In Person; Priscilla Cushman; 3 cr.
 59819 002 LAB, 08:00-11:00 M, Tate Hall B40, In Person; 3 cr.
 59820 003 LAB, 09:05-12:05 T, Tate Hall B40, In Person; 3 cr.
 59821 004 LAB, 10:10-13:10 W, Tate Hall B40, In Person; 3 cr.
 59822 005 LAB, 08:00-11:00 Th, Tate Hall B40, In Person; 3 cr.

3993 Directed Studies

(Student Option; Prereq: instr consent, dept consent)

57999 001 IND, 00:00-00:00, , In Person; 1-5 cr.

3994 Directed Research

(Student Option; Prereq: instr consent, dept consent)

58002 001 IND, 00:00-00:00, , In Person; 1-5 cr.

4001 Analytical Mechanics

(Student Option; Prerequisites developed as required. prereq: PHYS 2503/2503H or equivalent, PHYS 304)

59681 001 LEC, 12:20-13:10 MWF, Tate Hall B65, In Person; Aaron Wynveen; 4 cr.
 59682 002 DIS, 12:20-13:10 Th, Vincent Hall 364, In Person; 4 cr.
 68808 003 DIS, 13:25-14:15 Th, Vincent Hall 113, In Person; 4 cr.

4002 Electricity and Magnetism

(Student Option; Prereq: PHYS 3041, PHYS 2503/2503H or equivalent)

57832 001 LEC, 10:10-11:00 MWF, Tate Hall 110, In Person; Ke Wang; 4 cr.
 58359 003 DIS, 10:10-11:00 T, Tate Hall B55, In Person; Ke Wang; 4 cr.
 59331 005 DIS, 09:05-09:55 T, Tate Hall B55, In Person; Ke Wang; 4 cr.

4052W Methods of Experimental Physics II

(Student Option; Prereq: PHYS 4051WI)

57833 001 LEC, 14:30-15:20 MWF, Tate Hall 110, In Person; Joachim Mueller; 5 cr.
 57834 002 LAB, 10:10-12:05 TTh, Tate Hall B30, In Person; Joachim Mueller; 5 cr.
 57835 003 LAB, 12:20-14:15 MW, Tate Hall B30, In Person; Joachim Mueller; 5 cr.
 58341 004 LAB, 14:30-16:25 TTh, Tate Hall B30, In Person; Joachim Mueller; 5 cr.
 59171 005 LAB, 08:00-09:55 MW, Tate Hall B30, In Person; Joachim Mueller; 5 cr.

4101 Quantum Mechanics

(Student Option; Prereq: PHYS 3041, PHYS 2601)

60148 100 LEC, 11:15-12:05 MWF, Tate Hall 110, In Person; Martin Greven; 4 cr.
 60149 102 DIS, 11:15-12:05 Th, Tate Hall B65, In Person; Martin Greven; 4 cr.
 60150 103 DIS, 12:20-13:10 Th, Folwell Hall 4, In Person; Martin Greven; 4 cr.

4121W History of 20th-Century Physics

(Student Option No Audit; Prereq: calculus or permission from the instructor.WI)

59669 001 LEC, 16:40-19:20 Th, Tate Hall 110, In Person; Meets With: 001 HSCI 4121W; Michel Janssen; 3 cr.

4211 Introduction to Solid-State Physics

(Student Option; Prereq: 2201, 4101)

57836 001 LEC, 11:15-12:30 TTh, Tate Hall B45, In Person; Boris Shklovskii; 3 cr.

4303 Electrodynamics and Waves

(Student Option; Prereq: PHYS 4002)

59911 001 LEC, 12:20-13:10 MWF, Tate Hall 110, In Person; Robert Lysak; 3 cr.

4501 Experimental Project

(Student Option; Prereq: 4052, instr consent)

57837 001 IND, 00:00-00:00, , In Person; 1-5 cr.

4811 Introduction to General Relativity

(Student Option; Prereq: PHYS 4001 and (PHYS 2503 or 2503H))

65959 100 LEC, 13:00-14:15 TTh, Tate Hall B85, In Person; Vuk Mandic; 3 cr.

4894 Thesis - Directed Research

(S-N or Audit;)

58360 001 IND, 00:00-00:00, , In Person; Daniel Cronin-Hennessy; 1-3 cr.

4911 Introduction to Biopolymer Physics

(Student Option; Prereq: PHYS 2201 or equivalent)

59749 001 LEC, 13:00-14:15 TTh, Tate Hall B55, In Person; Meets With: 001 PHYS 5081; Elias Puchner; 3 cr.

4993 Directed Studies

(Student Option; Prereq: instr consent)

58839 001 IND, 00:00-00:00, , In Person; 1-5 cr.

4994 Directed Research

(Student Option; Prereq: instr consent)

58840 001 IND, 00:00-00:00, , In Person; 1-5 cr.
60231 002 IND, In Person; 1-5 cr.**5002 Quantum Mechanics II**

(Student Option; Prereq: 5001 or equiv)

58007 001 LEC, 09:05-09:55 MWF, Tate Hall B65, In Person; Oriol Valls; 4 cr.
59179 003 DIS, 09:05-09:55 T, Tate Hall B65, In Person; Oriol Valls; 4 cr.**5012 Classical Physics II**

(Student Option; Prereq: 5011 or instr consent)

58008 001 LEC, 10:10-11:00 MTWF, Tate Hall B65, In Person; Serge Rudaz; 4 cr.

5041 Mathematical Methods for Physics

(Student Option; Prereq: 2601 or grad student)

59533 001 LEC, 11:15-12:05 MTWF, Tate Hall B65, In Person; Tony Gherghetta; 4 cr.

5072 Best Practices in College Physics Teaching

(Student Option;)

58952 001 DIS, 15:35-16:25 M, Tate Hall 110, In Person; Elias Puchner; 1-3 cr.

5081 Introduction to Biopolymer Physics

(Student Option; Prereq: PHYS 2201 or equivalent)

59750 001 LEC, 13:00-14:15 TTh, Tate Hall B55, In Person; Meets With: 001 PHYS 4911; Elias Puchner; 3 cr.

5701 Solid-State Physics for Engineers and Scientists

(Student Option; Prereq: Grad or advanced undergrad in physics or engineering or the sciences)

59335 001 LEC, 09:45-11:00 TTh, Tate Hall B45, In Person; J Halley; 4 cr.

5950 Colloquium Seminar

(S-N or Audit; Prereq: [Grad student or advanced undergrad in physics], dept consent)

58003 001 LEC, 15:35-17:30 Th, Tate Hall B50, In Person; 1 cr.

5980 Introduction to Research Seminar

(S-N or Audit; Prereq: Grad or upper div phys major)

59168 001 LEC, 16:40-17:30 F, Tate Hall B65, In Person; Zhen Liu; 1 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent, dept consent)

58000 001 IND, 00:00-00:00, , In Person; 1-5 cr.
60138 002 IND, In Person; 1-5 cr.**5994 Directed Research**

(Student Option; Prereq: Jr, dept consent)

58001 001 IND, 00:00-00:00, , In Person; 1-5 cr.
60499 002 IND, In Person; 1-5 cr.
60506 003 IND, In Person; 1-5 cr.
60524 004 IND, In Person; 1-5 cr.**Physiology (PHSL)****2041 Physiology and Medicine**

(A-F only;)

66172 001 LEC, 09:05-09:55 WF, Moos Health Sci Tower 2-580, In Person; Vincent Barnett; 2 cr.

2061 Introduction to Human Physiology

(Student Option;)

68222 001 LEC, 14:30-15:45 TTh, Moos Health Sci Tower 2-530, In Person; Dalay Olson; 3 cr.

3051 Human Physiology

(Student Option; Prereq: [BIOL 1009 or 1 yr college biol], 1 yr college chem)

60932 001 LEC, 14:30-15:20 MWF, Moos Health Sci Tower 2-650, In Person; Dalay Olson ; 4 cr.
60933 002 LAB, 09:05-11:00 T, AHC ROOM TBA, In Person; Dalay Olson ; 4 cr.
61183 005 LAB, 15:35-17:30 T, AHC ROOM TBA, In Person; 4 cr.
61218 003 LAB, 13:25-15:20 T, AHC ROOM TBA, In Person; 4 cr.

3062W Research Paper for Physiology

Majors

(A-F or Audit; Prereq: concurrent registration is required (or allowed) in 3061, physiology major, 1 yr [college chem, physics], math through integral calculus(WI))

61856 001 IND, 11:15-12:05 W, Mayo Bldg & Additions 3-100, In Person; Vincent Barnett ; 1 cr.

3095 Problems in Physiology

(Student Option; Prereq: concurrent registration is required (or allowed) in college physiology, instr consent)

61076 001 IND, 00:00-00:00 , , Independent/Directed Study; Vincent Barnett ; 1-5 cr.

4021 Advanced Physiology and Bioengineering: Bionic Human

(A-F only;)

61222 001 LEC, 11:15-12:30 TTh, Bruininks Hall 512B, In Person; Meets With: 002 PHSL 4021; Susan Keirstead ; 3 cr.

61841 002 LEC, 11:15-12:30 TTh, Bruininks Hall 512B, In Person; Meets With: 001 PHSL 4021; Susan Keirstead ; 3 cr.

4031 Physiological Discussions:

Contemporary Topics

(A-F only; Prereq: 3061 or 3063 or 5061 or instr consent)

61243 001 DIS, 09:30-11:00 Th, Mayo Bldg & Additions 1250, In Person; Vincent Barnett ; 2 cr.

4094 Directed Research in Human

Physiology

(S-N only; Prereq: &3061, physiology honors candidate, approval of director of undergrad studies in physiology.)

60930 001 IND, 00:00-00:00 , , Independent/Directed Study; Vincent Barnett ; 1-5 cr.

4221 Systems and Computational

Physiology

(Student Option;)

62102 001 LEC, 10:10-11:25 MW, Moos Health Sci Tower 2-580, In Person; Meets With: 001 PHSL 5221; Eric Batchelor ; 3 cr.

4242 Professional Skills Development for Biomedical Scientists

(A-F only; Prereq: PHSL 3062W is recommended.)

61794 001 DIS, In Person; 2 cr.

4900 Advanced Physiology Teaching

Laboratory

(A-F only; Prereq: [3051 or [3061, 3071]], instr consent)

68598 001 LAB, 12:20-13:10 M, AHC ROOM TBA, In Person; Dalay Olson ; 1-6 cr.

5094 Research in Physiology

(Student Option; Prereq: instr consent)

61000 001 IND, 00:00-00:00 , , Independent/Directed Study; Vincent Barnett ; 1-5 cr.

61077 002 IND, 00:00-00:00 , , Independent/Directed Study; Stephen Katz ; 1-5 cr.

5095 Problems in Physiology

(Student Option; Prereq: instr consent)

60931 001 IND, 00:00-00:00 , , Independent/Directed Study; Vincent Barnett ; 1-5 cr.

61078 002 IND, 00:00-00:00 , , Independent/Directed Study; Stephen Katz ; 1-5 cr.

5096 Integrative Biology and Physiology Research Advances

(A-F only; Prereq: instr consent)

61295 001 LEC, 12:00-13:00 Th, Room TBA, In Person; DeWayne Townsend ; 1 cr.

5101 Human Physiology

(Student Option; Prereq: Grad student)

61070 001 LEC, In Person; 5 cr.

61071 002 LAB, In Person; 5 cr.

61072 003 LAB, In Person; 5 cr.

5116 Clinical Physiology II

(A-F or Audit; Prereq: instr consent)

61143 001 LEC, 13:25-16:20 F, Bruininks Hall 512B, In Person; Lisa Anderson ; 3 cr.

5197 Stress Physiology

(A-F only; Prerequisite: instructor consent is required. Graduate student standing, master students, and post-doctoral fellows (if they are eligible for credits). Undergraduate students must have taken PHSL 3061 or equivalent, and have previous laboratory research experience.)

67159 001 DIS, 10:10-11:00 T, AHC ROOM TBA, In Person; Alessandro Bartolomucci ; 1-3 cr.

5211 Physiology of Inflammation in Disease

(A-F only;)

62016 001 DIS, 13:25-16:25 T, Jackson Hall 2-137, In Person; Xavier Revelo ; 3 cr.

5221 Systems and Computational Physiology

(A-F only;)

62021 001 LEC, 10:10-11:25 MW, Moos Health Sci Tower 2-580, In Person; Meets With: 001 PHSL 4221; Eric Batchelor ; 3 cr.

5444 Muscle

(Student Option; Prereq: PHSL 3061 or PHSL 5061 or BioC 3021, BIOL 3021 or BIOL 4331 or instr consent)

61041 001 LEC, Completely Online; Meets With: 001 BIOC 5444; Vincent Barnett, David Thomas ; 3 cr.

5510 Advanced Cardiac Physiology and Anatomy

(Student Option; Prereq: instr consent)

61074 001 LAB, 08:00-17:00 MTWThF, Room TBA, In Person; 2-3 cr.

5525 Anatomy and Physiology of the Pelvis and Urinary System

(A-F only; Prereq: One undergrad anatomy course, one undergrad physiology course, instr consent)

61262 001 LAB, 09:00-16:30 WThF, Nils Hasselmo Hall 2-101, In Person; 1-2 cr.

Plant Pathology (PLPA)

2001 Introductory Plant Pathology

(Student Option; Prereq: BIOL 1009 or equiv)

55936 001 LEC, 10:40-11:30 M, ONLINE BLENDED, 10:40-11:30 W, Borlaug Hall 365, Partially Online; Ruth Dill-Macky ; 3 cr.

55937 002 LAB, 11:45-13:40 W, Plant Growth Facility 136, In Person; Ruth Dill-Macky ; 3 cr.

55938 003 LAB, 15:00-16:55 W, Plant Growth Facility 136, In Person; Ruth Dill-Macky, Megan McCaghey ; 3 cr.

2003 Plague, Famine, and Beer: The Impact of Microscopic Organisms on Human Civilization

(Student Option; HIS)

66017 001 LEC, Completely Online; Brett Arenz ; 3 cr.

66018 002 DIS, 12:20-13:10 T, Twin Cities Remote, Completely Online; Brett Arenz ; 3 cr.

66019 003 DIS, 13:55-14:45 T, Twin Cities Remote, Completely Online; Brett Arenz ; 3 cr.

66020 004 DIS, 09:05-09:55 W, Twin Cities Remote, Completely Online; Brett Arenz ; 3 cr.

66021 005 DIS, 15:00-15:50 W, Twin Cities Remote, Completely Online; Brett Arenz ; 3 cr.

3003 Diseases of Forest and Shade Trees

(Student Option;)

55935 001 LEC, 08:30-09:20 MW, Borlaug Hall 335, In Person; Meets With: 001 PLPA 5003; Robert Blanchette ; 3 cr.

56199 002 LAB, 15:10-17:00 W, Borlaug Hall 295, In Person; Meets With: 002 PLPA 5003; Robert Blanchette ; 3 cr.

56668 003 LAB, 13:00-15:00 W, Borlaug Hall 295, In Person; Meets With: 003 PLPA 5003; Robert Blanchette ; 3 cr.

3993 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)

68302 001 IND, In Person; Robert Blanchette ; 1-4 cr.

4096 Professional Experience Program: Internship

(S-N or Audit; Prereq: COAFES undergrad, complete internship contract available in COAFES Career Services before registering; UC only)

55985 001 FWK, 00:00-00:00 , , In Person; ; 1-3 cr.

5003 Diseases of Forest and Shade Trees

(Student Option;)

56017 001 LEC, 08:30-09:20 MW, Borlaug Hall 335, In Person; Meets With: 001 PLPA 3003; Robert Blanchette ; 3 cr.

56018 002 LAB, 15:10-17:00 W, Borlaug Hall 295, In Person;

Meets With: 002 PLPA 3003; Robert Blanchette ; 3 cr.

56669 003 LAB, 13:00-15:00 W, Borlaug Hall 295, In Person; Meets With: 003 PLPA 3003; Robert Blanchette ; 3 cr.

5103 Plant-Microbe Interactions

(Student Option; Prereq: Intro course in plant pathology or molecular biology or equiv)

56394 001 LEC, 10:15-11:30 TTh, Borlaug Hall 491, In Person; Meets With: 001 PLPA 8103; Ashish Ranjan ; 3 cr.

5203 Introduction to Fungal Biology

(Student Option; Prereq: BIOL 1009 or equiv)

65729 001 LEC, 08:30-09:20 TTh, Borlaug Hall 491, In Person; Brett Arenz ; 3 cr.

65730 002 LAB, 09:35-11:30 M, Plant Growth Facility 136, In Person; Brett Arenz ; 3 cr.

5660 Plant Disease Resistance and Applications

(A-F or Audit; Prereq: 2001, BIOL 4003)

56260 001 LEC, 13:00-14:15 MW, Borlaug Hall 491, In Person; Brian Steffenson ; 3 cr.

64518 002 DIS, 14:20-15:10 W, Borlaug Hall 491, In Person; Brian Steffenson ; 3 cr.

Plant Science (PLSC)

3005W Introduction to Plant Physiology

(Student Option; Prerequisites: Biol 1009 or Hort 1001 and BioC 3021 or Hort 2100 or BioC 2011WI)

55952 001 LEC, Completely Online; M. Walid Sadok ; 4 cr.

56144 002 LAB, 13:10-14:50 Th, Alderman Hall 405, In Person; M. Walid Sadok ; 4 cr.

3093 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)

56574 001 IND, In Person; 1-4 cr.

3094 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56575 001 IND, In Person; 1-4 cr.

3401 Plant Genetics and Breeding

(Student Option; Prerequisites: BIOL 1009 or 1009H)

56390 001 LEC, 08:30-09:20 MWF, Plant Growth Facility 140A/B, 08:30-09:20 M, Plant Growth Facility 174,

08:30-09:20 MWF, Plant Growth Facility 140A/B, In Person; Laura Shannon ; 4 cr.

Plant and Microbial Biology (PMB)

3002 Plant Biology: Function

(Student Option; Prereq: [1002 or 1009 or 2003 or equiv], [CHEM 1011 or one semester chemistry with some organic content])

49834 001 LEC, 16:05-16:55 MW, Hodson Hall 495, In Person; Neil Olszewski ; 2 cr.

49911 002 LEC, 12:50-13:40 TTh, Hodson Hall 495, In Person; Neil Olszewski ; 2 cr.

3005W Plant Function Laboratory

(Student Option; Prereq: BIOL 1009, BIOL 2003, or equiv.WI)

49835 001 LEC, 15:00-15:50 M, Hodson Hall 495, In Person; Kathleen Greenham ; 2 cr.

49836 002 LAB, 09:30-12:30 T, Biological Sciences Ctr 176, In Person; 2 cr.

49852 003 LAB, 16:30-19:30 T, Biological Sciences Ctr 176, In Person; 2 cr.

49900 005 LAB, 13:55-16:55 Th, Biological Sciences Ctr 176, In Person; 2 cr.

50065 004 LAB, 09:30-12:30 Th, Biological Sciences Ctr 176, In Person; 2 cr.

4121 Microbial Ecology and Applied

Microbiology

(A-F or Audit; Prereq: 3301)

49898 001 LEC, 11:45-13:00 TTh, Green Hall 110, In Person; Trinity Hamilton ; 3 cr.

4131 Prokaryotic Genetics

(Student Option;)
50151 001 LEC, 14:00-15:15 MW, Armory Building 116, In Person; Meets With: 001 PMB 5131; Jeffrey Galnick, Kathryn Fixen ; 3 cr.

4516W Plant Cell Biology: Writing Intensive

(Student Option; Prerequisites: Introductory courses on plants, genetics, and biochemistry are helpful.WI)

66226 001 LEC, 11:15-12:30 MW, Amundson Hall 120, In Person; John Ward ; 3 cr.

4793W Directed Studies: Writing Intensive

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements. WI)

49867 001 IND, 00:00-00:00 , , In Person; 1-7 cr.

4794W Directed Research: Writing Intensive

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements. WI)

49868 001 IND, In Person; 1-7 cr.
50209 002 IND, In Person; 1-7 cr.

4993 Directed Studies

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793W, 4794W, 4993, 4994 counts towards CBS major requirements.)
49832 001 IND, 00:00-00:00 , , In Person; 1-7 cr.

4994 Directed Research

(S-N only; Prereq: department consent, instructor consent, no more than 7 credits of 4793, 4794, 4993W, 4994W counts towards CBS major requirements.)
49833 001 IND, 00:00-00:00 , , In Person; 1-7 cr.

5131 Prokaryotic Genetics

(Student Option; Prereq.: Introductory microbiology course.)
50233 001 LEC, 14:00-15:15 MW, Armory Building 116, In Person; Meets With: 001 PMB 4131; Jeffrey Galnick, Kathryn Fixen ; 3 cr.

5802 Field Microbiology at Itasca Biological Research Station

(A-F only;)
50234 001 IND, 08:00-11:50 , , In Person; 3 cr.

5812 Field Mycology

(A-F only;)
50235 001 LEC, In Person; Jonathan Schilling, Peter Kennedy ; 3 cr.

Political Science (POL)

1001 American Democracy in a Changing World

(Student Option; SOCS)
52922 001 LEC, 08:15-09:30 MW, Anderson Hall 230, In Person; Scott Abernathy ; 3 cr.

1025 Global Politics

(Student Option; GP,SOCS)
51843 001 LEC, 08:15-09:30 TTh, Anderson Hall 230, In Person; John Freeman ; 3 cr.

1026 U.S. Foreign Policy

(Student Option;)
54246 001 LEC, 11:15-12:30 TTh, Anderson Hall 350, In Person; Mark Bell ; 3 cr.

1054 Politics Around the World

(Student Option; GP,SOCS)
53300 001 LEC, 11:15-12:30 MW, Mondale Hall 40, In Person; Anoop Sarbahi ; 3 cr.

1201 Political Ideas

(Student Option; CIV,HIS)
51811 001 LEC, 09:45-11:00 MW, West Bank Skyway 20, In Person; Robert Nichols ; 3 cr.

3065 Political Engagement Careers:

Planning and Preparing For Your Future
(Student Option; CIV)
54018 001 LEC, 13:00-14:15 WF, Mondale Hall 3, In Person; Paul Soper ; 3 cr.

3080 Internship in Politics or Government

(A-F only; Prereq: instr consent, dept consent)
51810 001 FWK, 00:00-00:00 , , In Person; Paul Soper ; 3-13 cr.

3085 Quantitative Analysis in Political Science

(A-F or Audit; MATH)
52790 001 LEC, 08:15-09:30 MF, Blegen Hall 155, In Person; Dan Myers ; 4 cr.
53201 002 DIS, 10:00-10:50 F, Hubert H. Humphrey School 35, In Person; Dan Myers ; 4 cr.
53422 003 DIS, 11:00-11:50 F, Hubert H. Humphrey School 60, In Person; Dan Myers ; 4 cr.

3108H Honors Tutorial: Thesis Preparation and Political Science Inquiry

(A-F only; Prereq: Pol sci major, honors)
53638 001 LEC, 13:30-15:55 M, Blegen Hall 110, In Person; Kathryn Pearson ; 3 cr.

3210 Topics in Political Theory

(Student Option;)
68042 001 LEC, 13:00-14:15 TTh, Blegen Hall 317, In Person; Arash Davari ; 3 cr.

3235W Democracy and Citizenship

(Student Option; Prereq: Suggested prerequisite 1201CIV,WI)
54247 001 LEC, 09:45-11:00 TTh, Blegen Hall 155, In Person; Arash Davari ; 3 cr.

3252W Revolution, Democracy, and Empire: Modern Political Thought

(Student Option; Prereq: Suggested prerequisite 1201AH,WI,CIV)
65513 001 LEC, 09:45-11:00 WF, Blegen Hall 250, In Person; Anurag Sinha ; 3 cr.

3272 Colonial Encounters

(Student Option; AH,CIV)
65514 001 LEC, 11:15-12:30 TTh, Blegen Hall 145, In Person; Nancy Luxon ; 3 cr.

3306 Presidential Leadership and American Democracy

(Student Option;)
67676 001 LEC, 14:30-15:45 MW, Blegen Hall 10, In Person; Timothy Collins ; 3 cr.

3308 Congressional Politics and Institutions

(Student Option; SOCS)
65515 001 LEC, 11:15-12:30 TTh, Anderson Hall 370, In Person; Kathryn Pearson ; 3 cr.

3309 U.S. Supreme Court Decision-Making, Process, and Politics

(Student Option; Prerequisite: POL 1001)
53946 001 LEC, 09:45-11:00 TTh, Mondale Hall 40, In Person; Timothy Johnson ; 3 cr.

3319 Education and the American Dream

(A-F or Audit; DSJ,SOCS)
53753 001 LEC, 11:15-12:30 MW, Anderson Hall 330, In Person; Scott Abernathy ; 3 cr.

3321 Issues in American Public Policy

(Student Option;)
55069 001 LEC, 09:45-11:00 MW, Anderson Hall 230, In Person; Andrew Karch ; 3 cr.

3435 Political Dynamics in the Horn of Africa

(Student Option; GP,SOCS)
55859 001 LEC, 09:45-11:00 MW, Mondale Hall 3, In Person; Meets With: 001 AFRO 3435; Josef Woldense ; 3 cr.

3464 The Politics of Economic Inequality

(Student Option; DSJ)
65517 001 LEC, 09:45-11:00 TTh, Blegen Hall 250, In Person; David Samuels ; 3 cr.

3766 Political Psychology of Mass Behavior

(Student Option; SOCS)
53558 001 LEC, 13:00-14:15 MF, Blegen Hall 235, In Person; Dan Myers ; 3 cr.

3833 The United States and the Global Economy

(Student Option;)

54099 001 LEC, 16:00-17:15 MW, Anderson Hall 230, In Person; James Hollyer ; 3 cr.

3835 International Relations

(Student Option; GP,SOCS)
52261 001 LEC, 14:30-15:45 TTh, Anderson Hall 230, In Person; Cosette Creamer ; 3 cr.

3994 Directed Research: Distinguished Undergraduate Research Program

(A-F only;)

53882 001 IND, 00:00-00:00 , , In Person; Teri Caraway ; 2 cr.

4267 Imperialism and Modern Political Thought

(Student Option; CIV,HIS)
65523 001 LEC, 13:00-14:15 MW, Mondale Hall 40, In Person; Robert Nichols ; 3 cr.

4275 Domination, Exclusion, and Justice: Contemporary Political Thought

(Student Option; Prereq: 1201 recommendedDSJ)
55076 001 LEC, 14:30-15:45 TTh, Blegen Hall 140, In Person; Nancy Luxon ; 3 cr.

4335 African American Politics

(Student Option; DSJ,SOCS)
54106 001 LEC, 13:00-14:15 TTh, Mondale Hall 40, In Person; Meets With: 001 AFRO 4335; Michael Minta ; 3 cr.

4403W Constitutions, Democracy, and Rights: Comparative Perspectives

(Student Option; GP,WI)
65524 001 LEC, 16:00-17:15 TTh, Blegen Hall 255, In Person; Lisa Hilbink ; 3 cr.

4463 The Cuban Revolution Through the Words of Cuban Revolutionaries

(Student Option; GP)
54052 001 LEC, 18:20-20:50 M, Blegen Hall 125, In Person; August Nimtz ; 3 cr.

4487 The Struggle for Democratization and Citizenship

(Student Option;)
65525 001 LEC, 18:20-20:50 Th, Blegen Hall 125, In Person; August Nimtz ; 3 cr.

4497W Patronage & Corruption

(Student Option; GP,WI)
65526 001 LEC, 14:30-15:45 TTh, Mondale Hall 3, In Person; James Hollyer ; 3 cr.

4502W The Supreme Court, Civil Liberties, and Civil Rights

(Student Option; CIV,WI)
51842 001 LEC, 08:15-09:30 TTh, Blegen Hall 150, In Person; Timothy Johnson ; 3 cr.

4881W The Politics of International Law and Global Governance

(Student Option; GP,WI)
65528 001 LEC, 16:00-17:15 TTh, Blegen Hall 155, In Person; Cosette Creamer ; 3 cr.

4991 Political Science Capstone

(A-F only;)
54260 001 LEC, 13:00-14:15 T, Anderson Hall 210, In Person; Lisa Hilbink ; 3 cr.
54615 003 DIS, 13:00-14:15 Th, Blegen Hall 240, In Person; 3 cr.
54616 002 DIS, 13:00-14:15 Th, Blegen Hall 415, In Person; Lisa Hilbink ; 3 cr.
55080 005 LEC, 16:00-17:15 M, Anderson Hall 330, In Person; Anoop Sarbahi ; 3 cr.
55081 006 DIS, 16:00-17:15 W, Blegen Hall 220, In Person; Anoop Sarbahi ; 3 cr.
55082 007 DIS, 16:00-17:15 W, Blegen Hall 140, In Person; 3 cr.

4993 Honors Thesis: Directed Studies

(A-F only;)
52533 001 IND, 00:00-00:00 , , In Person; 1-6 cr.

4994 Directed Research: Individual

(Student Option; Prerequisite instructor and department consent.)

52344 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

5970 Individual Reading and Research

(Student Option; Prereq instr consent, dept consent, college consent.)

54703 001 IND, In Person; 1-4 cr.

Portuguese (PORT)**1103 Intermediate Portuguese****(Student Option No Audit; Prereq: 1102 or instr consent Meets concurrently with 4103.)**

67265 001 LEC, 09:05-09:55 MTWTh, Burton Hall 123, In Person; Meets With: 001 PORT 4103; Thiago Santana ; 5 cr.

1104 Intermediate Portuguese**(Student Option; Prereq: 1103 or instr consent)**

55482 001 LEC, 09:05-09:55 MTWTh, Folwell Hall 122, In Person; Stephanie Anderson ; 5 cr.

3001 Portuguese for Spanish Speakers**(Student Option; Prereq: SPAN LPE Pass)**

51898 001 LEC, 10:10-12:05 MW, Akerman Hall 313, In Person; Dora Dias ; 4 cr.

52742 002 LEC, 12:20-14:15 TTh, Akerman Hall 327, In Person; Dora Dias ; 4 cr.

3003 Portuguese Conversation and Composition**(Student Option; Prereq: 1104 or 3001 or Port LPE)**

51899 001 DIS, 13:25-15:20 TTh, Kolthoff Hall 136, In Person; Sandra Rellier ; 4 cr.

3800 Film Studies in Portuguese**(A-F or Audit; Prereq: 3003 or instr consent or dept consent)**

66128 001 LEC, 11:15-12:30 TTh, Nicholson Hall 345, In Person; Meets With: 001 PORT 5910; Sophia Beal ; 3 cr.

4103 Intermediate Portuguese for Graduate Student Research**(Student Option No Audit;)**

68669 001 DIS, 09:05-09:55 MTWTh, Burton Hall 123, In Person; Meets With: 001 PORT 1103; Thiago Santana ; 5 cr.

5910 Topics in Lusophone Cultures and Literatures**(Student Option; Prereq: Grad student or instr consent)**

68463 001 LEC, 11:15-12:30 TTh, Nicholson Hall 345, In Person; Meets With: 001 PORT 3800; Sophia Beal ; 3 cr.

5994 Directed Research**(Student Option; Prereq Grad student or instr consent. Students enrolling in this directed study/research course will complete the University's common Directed Study/Research contract with the faculty mentor/evaluator. The Faculty member will ensure academic standards are upheld, including: - the work proposed is at the appropriate level for the course, academic in nature, and the student will be involved intellectually in the project. - the project scope is reasonable for one semester and the number of credits specified (42 hours of work per credit) - the faculty mentor is qualified to serve in this role - assessment of student learning and grading criteria are clear and appropriate - the student will be working in a respectful, inclusive environment)**

52995 001 IND, 00:00-00:00 , , In Person; Ana Paula Ferreira ; 1-4 cr.

52996 002 IND, 00:00-00:00 , , In Person; Sophia Beal ; 1-4 cr.

Poultry Health (POUL)**5102 How safe is your chicken? Food safety from a poultry perspective****(A-F only;)**

67912 001 LEC, Completely Online; Tim Johnson, Anup Kollanoor Johny, Dawn Foster Harnnett ; 3 cr.

Product Design (PDES)**2702 Concept Sketching****(A-F only;)**

49573 001 LEC, 16:40-18:35 MW, Rapson Hall 56, In Person; Jason Quick ; 3 cr.

2703 Concept Visualization and Presentation 1**(A-F only;)**

49585 001 LEC, 11:15-13:10 TTh, Rapson Hall 9, In Person; James Wilson ; 3 cr.

49607 002 LEC, 11:15-13:10 MW, Rapson Hall 9, In Person; James Wilson ; 3 cr.

49621 003 LEC, 13:20-15:15 MW, Rapson Hall 9, In Person; James Wilson ; 3 cr.

2772 Product Design Studio 2**(A-F only;)**

49610 001 LAB, 09:05-12:05 MW, Rapson Hall 31, In Person; Gabriel Ruegg ; 4 cr.

49622 002 LAB, 12:20-15:20 MW, Rapson Hall 31, In Person; Gabriel Ruegg ; 4 cr.

2777 Product Form and Model Making**(A-F only;)**

49611 001 LAB, 15:35-18:35 Th, Mechanical Engineering 221, In Person; Quynh Akers ; 3 cr.

49612 003 LAB, 15:35-18:36 W, Akerman Hall 313, In Person; Quynh Akers ; 3 cr.

49615 002 LAB, 15:35-18:35 T, Vincent Hall 213, In Person; Quynh Akers ; 3 cr.

49727 004 LEC, 15:35-16:25 M, Rapson Hall 43, In Person; Quynh Akers ; 3 cr.

3196 Product Design Internship**(S-N only; Prereq: PDes major)**

49672 001 IND, In Person; Tejas Dhadphale ; 1-2 cr.

3705 History and Future of Product Design**(A-F only;)**

49567 001 LEC, 13:00-14:15 MW, Rapson Hall 45, In Person; Meets With: 001 PDES 5705; Tejas Dhadphale ; 3 cr.

3706 Designing for Manufacture**(A-F only;)**

49623 001 LEC, 14:30-16:10 Th, Rapson Hall 43, In Person; Meets With: 002 PDES 5706; Chris Worthington ; 4 cr.

49624 002 LAB, 14:30-17:30 T, Rapson Hall 31, In Person; Meets With: 001 PDES 5706; Chris Worthington ; 4 cr.

49627 003 LAB, 18:00-21:00 T, Rapson Hall 31, In Person; Chris Worthington ; 4 cr.

3711 Product Innovation Lab**(A-F only; Prereq: PDes 2772 OR Junior/Senior (any major) or permission from instructor)**

49515 001 LEC, 09:05-11:00 TTh, Rapson Hall 56, In Person; Meets With: 001 PDES 5711; Carlye Lauff ; 4 cr.

49518 002 LAB, 18:00-21:00 Th, Rapson Hall 56, In Person; Meets With: 002 PDES 5711; Carlye Lauff ; 4 cr.

3714 Computer-Aided Design Methods 2: Surface Modeling and Rendering**(A-F only;)**

49670 001 LAB, 18:00-19:30 MW, Rapson Hall 33, In Person; Gabriel Ruegg ; 3 cr.

3737 Product Design Portfolio**(A-F only;)**

49737 001 LEC, 18:00-18:55 T, Mechanical Engineering 25, In Person; Sara Pedersen ; 2 cr.

49738 002 LAB, 19:05-20:00 T, Mechanical Engineering 25, In Person; Sara Pedersen ; 2 cr.

4702W Capstone Design Studio**(A-F only; WI)**

49608 001 LEC, 09:05-12:05 MW, Rapson Hall 310, In Person; Tejas Dhadphale ; 4 cr.

49729 002 LEC, 09:05-12:00 TTh, Rapson Hall 310, In Person; Ji Youn Shin ; 4 cr.

5193 Directed Study in Product Design**(A-F or Audit; Prereq: Grad, instr consent)**

49649 002 IND, Independent/Directed Study; Carlye Lauff ; 1-4 cr.

5705 History and Future of Product Design**(A-F only;)**

49568 001 LEC, 13:00-14:15 MW, Rapson Hall 45, In Person; Meets With: 001 PDES 3705; Tejas Dhadphale ; 3 cr.

5706 Designing for Manufacture**(A-F only;)**

49699 001 LAB, 14:30-17:30 T, Rapson Hall 31, In Person; Meets With: 002 PDES 3706; Chris Worthington ; 4 cr.

49728 002 LEC, 14:30-16:10 Th, Rapson Hall 43, In Person; Meets With: 001 PDES 3706; Chris Worthington ; 4 cr.

5711 Product Innovation Lab**(A-F only;)**

49516 001 LEC, 09:05-11:00 TTh, Rapson Hall 56, In Person; Meets With: 001 PDES 3711; Carlye Lauff ; 4 cr.

49517 002 LAB, 18:00-21:00 Th, Rapson Hall 56, In Person; Meets With: 002 PDES 3711; Carlye Lauff ; 4 cr.

Psychology (PSY)**1001 Introduction to Psychology****(Student Option; SOCS)**

51815 001 LEC, 13:25-14:15 MWF, Willey Hall 175, In Person; Liza Meredith ; 4 cr.

51816 002 DIS, 10:10-11:00 M, Bruininks Hall 512A, In Person; Shanze Hayee ; 4 cr.

51817 003 DIS, 11:15-12:05 M, Bruininks Hall 512A, In Person; Emily Jania ; 4 cr.

51818 004 DIS, 14:30-15:20 M, Bruininks Hall 131B, In Person; Ziyu Ren ; 4 cr.

51819 005 DIS, 10:10-11:00 T, Bruininks Hall 512A, In Person; Reed Priest ; 4 cr.

51820 006 DIS, 11:15-12:05 T, Bruininks Hall 512A, In Person; Reed Priest ; 4 cr.

51821 007 DIS, 13:25-14:15 T, Bruininks Hall 512A, In Person; Diya Kalra ; 4 cr.

51822 008 DIS, 14:30-15:20 T, Bruininks Hall 512A, In Person; Jessica Wang ; 4 cr.

51825 011 DIS, 11:15-12:05 W, Bruininks Hall 512A, In Person; Jan-Louw Kotze ; 4 cr.

51826 012 DIS, 14:30-15:20 W, Bruininks Hall 512A, In Person; Mathi Manavalan ; 4 cr.

51827 013 DIS, 10:10-11:00 Th, Bruininks Hall 512A, In Person; Tao Jin ; 4 cr.

51828 014 DIS, 11:15-12:05 Th, Bruininks Hall 512A, In Person; Lina Huang ; 4 cr.

51829 015 DIS, 13:25-14:15 Th, Bruininks Hall 512A, In Person; Hyunsuk Lee ; 4 cr.

52893 017 LEC, Completely Online; Liza Meredith ; 4 cr.

52894 018 DIS, Completely Online; Erin Rogers ; 4 cr.

53689 022 DIS, Completely Online; Hannah Klimas ; 4 cr.

54248 016 DIS, 14:30-15:20 Th, Bruininks Hall 512A, In Person; Hyunsuk Lee ; 4 cr.

54695 023 DIS, Completely Online; Kate McKinney ; 4 cr.

54696 024 DIS, Completely Online; Kai Mari Penoske ; 4 cr.

54697 025 DIS, Completely Online; Kaliya Jones ; 4 cr.

54698 026 DIS, Completely Online; Kendra vonHartitzsch ; 4 cr.

54699 027 DIS, Completely Online; Brooke Reardon ; 4 cr.

54726 028 DIS, Completely Online; Andrea Beltran-Moore ; 4 cr.

54727 029 DIS, Completely Online; Amit Sethi ; 4 cr.

1923 The Freshman 15: Stress and Health Management for College Students**(A-F only;)**

65662 001 DIS, 09:45-11:00 TTh, Elliott Hall N639, In Person; Caprice Niccoli-Waller ; 3 cr.

1925 Neuroimaging in Psychology: Why Do Psychologists Use Magnets & Electrodes to Look at People's Brains**(A-F only;)**

65663 001 DIS, 11:15-12:30 TTh, Elliott Hall N639, In Person; Cheryl Olman ; 3 cr.

3001V Honors Introduction to Research Methods**(A-F only; Prereq: [1001, [2081/3801 or equiv]]or dept consent, PSY major, honors studentWI)**

53053 001 LEC, 13:25-15:05 MW, Campbell Hall 150, In Person; Mojin Syed ; 4 cr.

3001W Introduction to Research Methods (Student Option; Prereq: [1001, [2801 or 3801 or equiv]] or dept consentWI)

53013 001 LEC, 10:10-11:00 MWF, 10 Church Street SE 100, In Person; Mark Stellmack ; 4 cr.

53014 002 LAB, 11:15-12:30 W, Elliott Hall S150, In Person; Taylor Knickel ; 4 cr.

53015 003 LAB, 11:15-12:30 W, Elliott Hall S160, In Person; Joseph Conklin ; 4 cr.

53016 004 LAB, 14:30-15:45 W, Elliott Hall S150, In Person; Lauren Hopkins ; 4 cr.

53017 005 LAB, 14:30-15:45 W, Elliott Hall S160, In Person; Mallika Chadaga ; 4 cr.

53018 006 LAB, 09:45-11:00 Th, Elliott Hall S150, In Person; Angela Sim ; 4 cr.

53019 007 LAB, 09:45-11:00 Th, Elliott Hall S160, In Person; Samantha McGurgan ; 4 cr.

53020 008 LAB, 13:00-14:15 W, Elliott Hall S150, In Person; Flora Pollack ; 4 cr.

53021 009 LAB, 13:00-14:15 W, Elliott Hall S160, In Person; Allison Dai ; 4 cr.

53022 010 LAB, 16:00-17:15 W, Elliott Hall S150, In Person; Flora Pollack ; 4 cr.

53326 011 LAB, 16:00-17:15 W, Elliott Hall S160, In Person; Jordan Arntz ; 4 cr.

53863 014 LEC, 00:00-00:00 , ONLINE, Completely Online; Penny Nichol ; 4 cr.

55480 012 LAB, 12:00-13:15 Th, Elliott Hall S150, In Person; Annie Griebie ; 4 cr.

55481 013 LAB, 12:00-13:15 Th, Elliott Hall S160, In Person; Qi Chen ; 4 cr.

3031 Introduction to Sensation and Perception**(Student Option; Prereq: PSY 1001)**
51834 001 LEC, Completely Online; Zi Gao ; 3 cr.**3051 Introduction to Cognitive Psychology**
(Student Option; Prereq: 1001)

65896 002 LEC, Completely Online; Andrew Freedman ; 3 cr.

3061 Introduction to Biological Psychology
(Student Option; Prereq: 1001 or BIOL 1009 or NSci 1100 prereq: 1001 or BIOL 1009 or NSci 1100)

52427 001 LEC, 11:15-12:30 MW, Molecular Cellular Biol 3-120, In Person; Gerardo Rojas ; 3 cr.

3101 Introduction to Personality
(Student Option; Prereq: 1001)

51837 001 LEC, 16:00-17:15 MW, Bruininks Hall 114, In Person; Edward Chou, Tyler Sassenberg ; 3 cr.

3121 History and Systems of Psychology
(Student Option; Prereq: PSY 1001)

54591 001 LEC, Completely Online; Thomas Brothen ; 3 cr.

3135 Introduction to Individual Differences
(Student Option; Prereq: [1001, [3801 or equiv]] or instr consent)

51838 001 LEC, 09:45-11:00 MW, Anderson Hall 350, In Person; James Lee ; 3 cr.

3201 Introduction to Social Psychology
(Student Option; Prereq: 1001 or instr consent)

51839 001 LEC, 11:15-12:05 MWF, Vincent Hall 16, In Person; Ian O'Dowd ; 3 cr.

3206 Introduction to Health Psychology
(Student Option; Prereq: 1001)53967 001 LEC, Completely Online; Caprice Niccoli-Waller ; 3 cr.
55206 002 LEC, 09:45-11:00 TTh, Blegen Hall 10, In Person; Sarah Volz ; 3 cr.**3301 Introduction to Cultural Psychology**
(A-F or Audit; Prereq: 1001)

52235 001 LEC, 16:00-17:15 TTh, Akerman Hall 209, In Person; Vanessa Anyanso ; 3 cr.

3511 Introduction to Counseling Psychology
(Student Option; Prereq: 1001)

52896 001 LEC, 13:00-14:15 TTh, Bruininks Hall 230, In Person; Liza Meredith ; 3 cr.

3604 Introduction to Psychopathology
(Student Option; Prereq: 1001)

51840 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Bonnie Klimes-Dougan ; 3 cr.

3617 Introduction to Clinical Psychology
(Student Option; Prereq: 3604 or 5604H)

53307 001 LEC, 17:00-19:30 M, Rapson Hall 45, In Person; Samuel Klein ; 3 cr.

3711 Psychology in the Workplace
(Student Option; Prereq: 1001, [2801/3801 or equiv] or SCO 2550 or instr consent)

52670 001 LEC, 14:30-15:45 MW, Nicholson Hall 275, In Person; Samuel Lee ; 3 cr.

3801 Introduction to Psychological Measurement and Data Analysis**(Student Option; Prereq: High school algebra, [PSY 1001 or equiv]; intended for students who plan to major in psychology/MATH)**52988 001 LEC, 11:15-12:30 MW, 10 Church Street SE 100, In Person; Amanda Woodward ; 4 cr.
52989 002 LAB, 09:45-11:00 T, Bruininks Hall 512B, In Person; Chulin Chen ; 4 cr.
52990 003 LAB, 13:00-14:15 T, Bruininks Hall 512B, In Person; Rain Jiang ; 4 cr.
52991 004 LAB, 14:30-15:45 T, Bruininks Hall 512B, In Person; Rain Jiang ; 4 cr.
54255 012 LEC, Completely Online; Penny Nichol ; 4 cr.
54618 005 LAB, 16:00-17:15 W, Bruininks Hall 512A, In Person; Tralucia Powell ; 4 cr.
54619 006 LAB, 08:15-09:30 Th, Bruininks Hall 512B, In Person; Miles Christopher ; 4 cr.
54620 007 LAB, 09:45-11:00 Th, Bruininks Hall 512B, In Person; Hoang Nguyen ; 4 cr.
54621 008 LAB, 13:00-14:15 Th, Bruininks Hall 512B, In Person; Ming Him Tai ; 4 cr.
54622 009 LAB, 14:30-15:45 Th, Bruininks Hall 512B, In Person; Ming Him Tai ; 4 cr.

54623 010 LAB, 09:45-11:00 F, Bruininks Hall 512B, In Person; Kristen Viscarra ; 4 cr.

54624 011 LAB, 11:15-12:30 F, Bruininks Hall 512B, In Person; Kristen Viscarra ; 4 cr.

3896 Internship in Psychology**(Student Option; Prereq: Psychology BA or BS major, Department Permission)**

54825 001 FWK, Completely Online; Mike Houlahan ; 1-4 cr.

3901W Capstone in Psychology - Research Laboratory**(A-F only; Prereq: [3801 or equiv], 3001W, completion of five courses from three distribution areas, PSY major, seniorWI)**53790 001 LEC, Completely Online; Meets With: 001 PSY 3902W001 PSY 3903W; Caprice Niccoli-Waller ; 3 cr.
53794 002 LAB, 13:00-14:15 M, Elliott Hall S150, In Person; Sara Knauz ; 3 cr.
53795 003 LAB, 09:45-11:00 W, Elliott Hall S150, In Person; Nga Do ; 3 cr.
53796 004 LAB, Completely Online; Jett Prieue ; 3 cr.
53799 005 LAB, Completely Online; Mo Nakamura ; 3 cr.
53800 006 LAB, Completely Online; Yi Ni Toh ; 3 cr.**3902W Capstone in Psychology - Individual Interests****(A-F only; Prereq: [3801 or equiv], 3001W, completion of five courses from three distribution areas, PSY major, seniorWI)**52949 001 LEC, Completely Online; Meets With: 001 PSY 3903W001 PSY 3901W; Caprice Niccoli-Waller ; 3 cr.
52950 002 LAB, 09:45-11:00 M, Elliott Hall S160, In Person; Sara Knauz ; 3 cr.
52951 003 LAB, 14:30-15:45 T, Elliott Hall S150, In Person; Yanjun Li ; 3 cr.
52952 004 LAB, Completely Online; Tyler Sassenberg ; 3 cr.
53387 005 LAB, Completely Online; Shaozhi Nie ; 3 cr.
53666 006 LAB, Completely Online; Vivien Lee ; 3 cr.**3903W Capstone in Psychology - Community Engagement****(A-F only; Prereq: [3801 or equiv], 3001W, completion of five courses from three distribution areas, PSY major, seniorWI)**53791 001 LEC, Completely Online; Meets With: 001 PSY 3901W001 PSY 3902W; Caprice Niccoli-Waller ; 3 cr.
53792 002 LAB, 16:00-17:15 T, Elliott Hall S160, In Person; Lisanne Bogaard ; 3 cr.
53793 003 LAB, Completely Online; Molly Madzelan ; 3 cr.
67337 004 LAB, Completely Online; Matthew Rogers ; 3 cr.**3993 Directed Study****(Student Option; Prereq instr consent, dept consent, college consent.)**

51841 001 IND, 00:00-00:00 , In Person; 1-6 cr.

4021 Creativity Sciences: Minds, Brains, and Innovation**(A-F only; Prereq: Psy 1001)**

64562 001 LEC, 13:25-16:10 F, Elliott Hall N423, In Person; Wilma Koutstaal ; 3 cr.

4206 Interventions for Health and Wellness
(Student Option;)

55813 001 LEC, 09:00-11:30 W, Elliott Hall N391, In Person; Traci Mann ; 3 cr.

4501 Psychology of Women and Gender
(Student Option; Prereq: [[Jr or sr], psych major] or instr consent)

53594 001 LEC, 11:15-12:30 TTh, Nicholson Hall 275, In Person; Theresa Glaser ; 3 cr.

4521 Psychology of Stress and Trauma
(A-F only; Prereq: PSY 1001 and 3001W or PSY 3001V or CPSY 3308W)

53865 001 LEC, Completely Online; Yuchen Liu ; 3 cr.

4960 Seminar in Psychology**(Student Option; Prereq: [1001, psych major] or instr consent)**55725 002 LEC, 09:45-11:00 TTh, Bruininks Hall 131B, In Person; Amanda Woodward ; 1-4 cr.
67586 003 LEC, 17:00-19:30 T, Elliott Hall N647, In Person; Juan Del Toro ; 1-4 cr.**4993 Directed Research: Special Areas of Psychology and Related Sciences**
(Student Option; Prereq: instr consent, dept consent)55258 001 IND, 00:00-00:00 , In Person; 1-6 cr.
55222 002 IND, In Person; 1-6 cr.**4994V Honors Research Practicum****(A-F only; Prereq: [3001W or 3001V], psych major, honorsWI)**

64557 001 LAB, 11:15-12:30 TTh, Elliott Hall N391, In Person; Charles Fletcher ; 4 cr.

5054 Psychology of Language**(Student Option; Prereq: Grad or [[jr or sr], [3011 or 3031 or 3051 or 3061]] or instr consent)**

54593 001 LEC, 09:45-11:00 TTh, Elliott Hall N391, In Person; Charles Fletcher ; 3 cr.

5202 Attitudes and Social Behavior**(Student Option; Prereq: 3201 or instr consent)**

51844 001 LEC, 13:25-14:15 MWF, Elliott Hall N391, In Person; Eugene Borgida ; 3 cr.

5205 Applied Social Psychology**(Student Option; Prereq: 3201 or grad student or instr consent)**

64558 001 LEC, 11:15-12:30 TTh, Elliott Hall N423, In Person; Marti Hope Gonzales ; 3 cr.

5206 Social Psychology and Health Behavior**(A-F only; Prerequisite: Psy 3201)**

64582 001 LEC, 09:45-11:00 TTh, Elliott Hall N423, In Person; Alexander Rothman ; 3 cr.

5501 Self, Society and Health - What's Work Got To Do With It?
(Student Option; Prereq: 3001W or equiv or instr consent)

51845 001 LEC, 13:00-15:30 F, Elliott Hall N647, In Person; Lovley Peissing ; 3 cr.

5708 Organizational Psychology**(Student Option; Prereq: Psy 3001W or 3001V and 3711 OR Psy grad)**

54256 001 LEC, 13:00-14:15 TTh, Elliott Hall N423, In Person; Aaron Schmidt ; 3 cr.

5960 Topics in Psychology**(Student Option; Prereq: PSY 1001, [Jr or sr or grad student])**

67219 001 LEC, 17:15-18:30 MT, Elliott Hall N423, In Person; Shmuel Lissek ; 1-4 cr.

5993 Research Laboratory in Psychology
(Student Option; Prereq: instr consent, dept consent)53054 001 LAB, 00:00-00:00 , In Person; Eugene Borgida ; 3 cr.
53055 005 LAB, 00:00-00:00 , In Person; Christopher Federico ; 3 cr.
53056 006 LAB, 00:00-00:00 , In Person; Charles Fletcher ; 3 cr.
53057 007 LAB, 09:00-10:00 F, Elliott Hall N555, In Person; Patricia Frazier ; 3 cr.
53059 009 LAB, 00:00-00:00 , In Person; Marti Hope Gonzales ; 3 cr.
53060 010 LAB, 00:00-00:00 , In Person; Nicola Grissom ; 3 cr.
53062 012 LAB, In Person; Nathaniel Helwig ; 3 cr.
53063 014 LAB, In Person; Vanessa Lee ; 3 cr.
53064 015 LAB, In Person; Daniel Kersten ; 3 cr.
53065 016 LAB, 16:00-17:00 W, Bruininks Hall 123, In Person; Bonnie Klimes-Dougan ; 3 cr.
53066 017 LAB, 00:00-00:00 , In Person; Wilma Koutstaal ; 3 cr.
53067 019 LAB, 00:00-00:00 , In Person; Nathan Kuncel ; 3 cr.
53069 023 LAB, 00:00-00:00 , In Person; Gordon Legge ; 3 cr.
53070 024 LAB, 15:00-16:00 Th, Elliott Hall N639, In Person; Shmuel Lissek ; 3 cr.
53071 025 LAB, In Person; Monica Luciana ; 3 cr.
53072 026 LAB, 16:00-17:30 W, Elliott Hall N423, In Person; Angus MacDonald ; 3 cr.
53073 027 LAB, 00:00-00:00 , In Person; Traci Mann ; 3 cr.
53076 031 LAB, 00:00-00:00 , In Person; Cheryl Olman ; 3 cr.
53077 032 LAB, 00:00-00:00 , In Person; Deniz Ones ; 3 cr.
53155 034 LAB, 00:00-00:00 , In Person; Alexander Rothman ; 3 cr.
53156 035 LAB, 00:00-00:00 , In Person; Paul Sackett ; 3 cr.
53161 036 LAB, 00:00-00:00 , In Person; Aaron Schmidt ; 3 cr.
53166 038 LAB, In Person; Jeff Simpson ; 3 cr.
53200 003 LAB, 00:00-00:00 , In Person; Colin DeYoung ; 3 cr.
53293 004 LAB, 00:00-00:00 , In Person; Stephen Engel ; 3 cr.
53296 033 LAB, 00:00-00:00 , In Person; Andrew Oxenham ; 3 cr.

53297 037 LAB, 00:00-00:00 , , In Person; Paul Schrater ; 3 cr.
 53357 020 LAB, 00:00-00:00 , , In Person; Richard Landers ; 3 cr.
 53363 039 LAB, In Person; Mark Snyder ; 3 cr.
 53415 022 LAB, 11:30-12:30 MW, , In Person; Rich Lee ; 3 cr.
 53416 018 LAB, 00:00-00:00 , , In Person; Robert Krueger ; 3 cr.
 54084 041 LAB, In Person; Moin Syed ; 3 cr.
 54117 042 LAB, In Person; Iris Donga Vilares ; 3 cr.
 54347 040 LAB, In Person; Mark Stellmack ; 3 cr.
 54358 043 LAB, In Person; Scott Vrieze ; 3 cr.
 54598 044 LAB, In Person; Niels Waller ; 3 cr.
 54599 045 LAB, In Person; David Weiss ; 3 cr.
 54710 047 LAB, In Person; Katerina Marcoulides ; 3 cr.
 54732 048 LAB, In Person; Matt Mc Gue ; 3 cr.
 65245 049 LAB, In Person; Amanda Woodward ; 3 cr.
 65820 050 LAB, In Person; Juan Del Toro ; 3 cr.
 65821 051 LAB, In Person; Drexler James ; 3 cr.
 65833 030 LAB, 10:00-12:00 M, Elliott Hall S150, In Person; Penny Nichol ; 3 cr.
 67258 052 LAB, Completely Online; Deniz Ones ; 3 cr.

Public Affairs (PA)

1401 Public Affairs: Community Organizing Skills for Public Action

(A-F only; CIV)

65593 001 LEC, 09:45-11:00 MW, Blegen Hall 135, In Person; Dennis Donovan ; 3 cr.

3001 Changing the World: Contemporary Public Policy

(A-F only;)

65710 001 LEC, 13:00-14:15 MW, Blegen Hall 240, In Person; Brian Harrison ; 3 cr.

3003 Nonprofit and Public Financial Management

(A-F or Audit; Prereq: Jr or sr)

57601 001 LEC, 09:45-11:00 MW, Blegen Hall 125, In Person; Wenchen Wang ; 3 cr.

3972 Elections and the Law

(Student Option No Audit;)

57603 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Meets With: 001 PA 5972; Judd Choate ; 2 cr.

3975 Election Design

(Student Option No Audit;)

57631 001 LEC, Completely Online; Meets With: 001 PA 5975; Whitney Quesenbery ; 2 cr.

3982 Data Analysis for Election Administration

(Student Option;)

65558 001 LEC, Completely Online; Meets With: 001 PA 5982; Tamara Patrick ; 2 cr.

3984 Elections Security: How to Protect America's Elections

(A-F or Audit;)

67731 001 LEC, Completely Online; Meets With: 001 PA 5984; Maurice Turner ; 2 cr.

3991 Independent Study

(Student Option; Prereq: instr consent)

68757 001 IND, In Person; Dennis Donovan ; 1-3 cr.

4101 Nonprofit Management and Governance

(Student Option;)

57554 001 LEC, 16:40-19:25 W, Hubert H. Humphrey School 50B, In Person; Meets With: 030 PA 5011; Ahmad Banamah ; 3 cr.

4790 Topics in Science, Technology, and Environmental Policy

(Student Option;)

65750 001 LEC, 16:00-18:45 Th, Bruininks Hall 530A, In Person; Fred Rose ; 1-3 cr.

5002 Introduction to Policy Analysis

(A-F or Audit;)

57552 001 LEC, 13:00-15:00 MTWThF, Twin Cities Remote, 10:00-12:00 MTWThF, Twin Cities Remote, Completely Online; Samuel Myers ; 1.5 cr.

66233 002 LEC, 14:30-15:45 W, Hubert H. Humphrey School 60, In Person; Bonnie Keeler ; 1.5 cr.

5003 Introduction to Financial Analysis and Management

(A-F or Audit; Prereq: Public policy major/minor or major in development practice, public affairs or liberal studies or grad nonprofit mgmt cert or instr consent)

57589 002 LEC, 16:00-17:15 MW, Hubert H. Humphrey School 184, In Person; Merlene-Patrice Quispe ; 1.5 cr.

5011 Management of Organizations

(A-F or Audit;)

66250 002 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Carrie Oelberger ; 3 cr.

5012 The Politics of Public Affairs

(A-F or Audit;)

57600 001 LEC, 13:00-14:15 MW, Hubert H. Humphrey School 184, In Person; Joe Soss ; 3 cr.

65654 002 LEC, 08:15-09:30 TTh, Hubert H. Humphrey School 25, In Person; Katrina Heimark ; 3 cr.

5023 Stratification Economics and Public Policy

(Student Option No Audit;)

65758 001 LEC, 16:00-17:40 TTh, Twin Cities Remote, Completely Online; Samuel Myers ; 2 cr.

5032 Applied Regression

(A-F or Audit;)

57534 001 LEC, 09:45-11:00 MW, ONLINE BLENDED, 09:45-11:00 MW, Hubert H. Humphrey School 25, Partially Online; Angie Fertig ; 2 cr.

57535 002 LAB, 14:15-15:30 F, Twin Cities Remote, Completely Online; Angie Fertig ; 2 cr.

57549 003 LAB, 12:45-14:00 F, Hubert H. Humphrey School 85, In Person; Angie Fertig ; 2 cr.

5033 Multivariate Techniques

(A-F or Audit; Prereq: Students who register for PA 5033 must take PA 5044 and PA 5033 in the same semester. The same grade will be issued for PA 5044 and PA 5033 after PA 5033 is completed.)

57544 004 LEC, 09:45-11:00 MW, Hubert H. Humphrey School 25, In Person; Janna Johnson ; 2 cr.

57548 005 LAB, 12:45-14:00 F, Hubert H. Humphrey School 85, In Person; Janna Johnson ; 2 cr.

65610 006 LAB, 13:00-14:15 Th, Hubert H. Humphrey School 85, In Person; Janna Johnson ; 2 cr.

5041 Qualitative Methods for Policy

Analysts

(A-F only;)

66161 001 LEC, 11:15-12:30 MW, Hubert H. Humphrey School 25, In Person; Mohammad Sharifi ; 4 cr.

66162 002 LAB, 13:00-14:15 T, Hubert H. Humphrey School 85, In Person; Mohammad Sharifi ; 4 cr.

5042 Urban and Regional Economics

(A-F only; Prereq: [Major or minor in urban and regional planning, microeconomics course] or instr consent)

57570 001 LEC, 13:00-14:15 TTh, Hubert H. Humphrey School 50B, In Person; Angie Fertig ; 2 cr.

57576 003 DIS, 11:15-12:05 F, Hubert H. Humphrey School 184, In Person; Angie Fertig ; 2 cr.

57636 002 DIS, 10:10-11:00 F, Hubert H. Humphrey School 30, In Person; Angie Fertig ; 2 cr.

5043 Economic and Demographic Data

Analysis

(A-F only; Prereq: Major or minor in urban/regional planning or instr consent)

57571 001 LEC, 13:00-14:15 TTh, Hubert H. Humphrey School 50B, In Person; Ragui Assaad ; 2 cr.

57572 002 LAB, 09:45-11:00 F, Hubert H. Humphrey School 85, In Person; Ragui Assaad ; 2 cr.

57573 003 LAB, 11:15-12:30 F, Hubert H. Humphrey School 85, In Person; Ragui Assaad ; 2 cr.

5044 Applied Regression, Accelerated

(A-F only; Prereq: Students who register for PA 5044 must take PA 5044 and PA 5033 in the same semester. The same grade will be issued for PA 5044 and PA 5033 after PA 5033 is completed.)

57579 001 LEC, 09:45-11:00 MW, Blegen Hall 435, In Person; Janna Johnson ; 2 cr.

57580 002 LAB, 09:45-11:00 F, Hubert H. Humphrey School 85, In Person; Janna Johnson ; 2 cr.

57581 003 LAB, 11:15-12:30 F, Hubert H. Humphrey School 85, In Person; Janna Johnson ; 2 cr.

5052 Public Affairs Leadership

(A-F only; Prereq: Major in public affairs (cohort) or public affairs certificate (cohort); 5051-5052 must be taken in same academic yr)

57560 001 LEC, 10:00-17:00 F, Hubert H. Humphrey School 180, 08:30-16:30 Sa, Hubert H. Humphrey School 180, 10:00-17:00 F, Hubert H. Humphrey School 180, 08:30-16:30 Sa, Hubert H. Humphrey School 180, 10:00-17:00 F, Hubert H. Humphrey School 180, 08:30-16:30 Sa, Hubert H. Humphrey School 180, 10:00-17:00 F, Hubert H. Humphrey School 180, 08:30-16:30 Sa, Hubert H. Humphrey School 180, 10:00-17:00 F, Hubert H. Humphrey School 180, 12:30-16:30 Sa, Hubert H. Humphrey School 180, Partially Online; Tia Sheree Gaynor ; 2 cr.

5054 Program Design and Implementation Analysis

(A-F only; Prereq: Major in public affairs (cohort) or public affairs certificate (cohort); 5053-5054 must be taken in same academic yr)

57561 001 LEC, Partially Online; Brandi Blessett ; 2 cr.

5056 Quantitative Research Methods and Analysis

(A-F only; Prereq: Major in public affairs or public affairs certificate, [5055-5056 must be taken in same academic yr])

57559 001 LAB, 08:30-12:30 Sa, Carlson School of Mgmt 1-149, Partially Online; Yuan Cheng ; 2 cr.

5080 Capstone Preparation Workshop

(S-N only;)

57555 001 LEC, 18:00-20:45 T, Twin Cities Remote, Completely Online; Kevin Gerdes ; 1 cr.

5104 Human Resource Management for Public and Nonprofit Organizations

(A-F or Audit;)

57662 001 LEC, 18:00-20:45 Th, Hubert H. Humphrey School 35, 18:00-20:45 Th, ONLINE BLENDED, Primarily Online; Shahrin Upoma ; 3 cr.

5108 Board leadership development

(S-N only; Prereq: Grad student or instr consent)

57582 001 LEC, 09:00-16:30 Sa, Hubert H. Humphrey School 25, 09:00-11:00 F, Hubert H. Humphrey School 25, 09:00-11:00 F, Hubert H. Humphrey School 25, 09:00-11:00 F, Hubert H. Humphrey School 25, In Person; Kathryn Barr ; 1 cr.

5113 State and Local Public Finance

(Student Option;)

57577 001 LEC, 18:00-20:45 W, Hubert H. Humphrey School 35, In Person; Merlene-Patrice Quispe ; 3 cr.

5122 Law and Public Affairs

(Student Option;)

57607 001 LEC, 14:30-17:15 M, Hubert H. Humphrey School 60, In Person; Melisa Lopez Aquino, Steve Kelley ; 3 cr.

5136 Group Process Facilitation for Organizational and Public/Community Engagement

(Student Option No Audit;)

57615 001 LEC, 09:00-16:00 Sa, Hubert H. Humphrey School 35, 09:00-16:00 Sa, Hubert H. Humphrey School 35, In Person; Angelica Klebsch ; 1 cr.

5144 Social Entrepreneurship

(A-F or Audit; Prereq: Grad student or instr consent)

65937 001 LEC, 18:00-20:45 M, Hubert H. Humphrey School 35, In Person; Andrea Davila ; 3 cr.

5145 Civic Participation in Public Affairs

(A-F only;)

57611 001 LEC, 18:00-20:45 Th, Hubert H. Humphrey School 50B, In Person; Fernando Burga ; 3 cr.

5221 Private Sector Development

(Student Option No Audit;)

68000 001 LEC, 09:00-11:45 M, Hubert H. Humphrey School 15, In Person; Peter Brown ; 3 cr.

5234 Urban Transportation Planning and Policy

(A-F or Audit;)

57612 001 LEC, 11:15-12:30 TTh, Hubert H. Humphrey School 60, In Person; Jason Cao ; 3 cr.

5261 Housing Policy

(A-F or Audit; Prereq: Grad or instr consent)

57551 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 184, In Person; Ryan Allen ; 3 cr.

5263 Financing Affordable Multi-Family Rental Hsg in US

(Student Option No Audit;)
65611 001 LEC, 13:00-15:45 F, Hubert H. Humphrey School
30, In Person; Deidre Schmidt ; 3 cr.

5271 Geographic Information Systems: Applications in Planning and Policy Analysis

(Student Option; Prereq: Major in urban/regional planning or instr consent)
57574 001 LAB, 18:00-20:45 T, Hubert H. Humphrey School
85, In Person; Geoffrey Maas ; 3 cr.

5290 Topics in Planning

(Student Option;)
65512 003 LEC, 16:00-17:15 MW, Hubert H. Humphrey
School 85, In Person; 0.5-4 cr.
65521 004 LEC, 16:00-17:15 MW, Hubert H. Humphrey
School 35, In Person; 0.5-4 cr.
65656 001 LEC, 17:30-20:15 M, Hubert H. Humphrey School
15, In Person; Elizabeth Glidden ; 0.5-4 cr.
65687 002 LEC, 16:00-17:15 TTh, Twin Cities Remote,
Completely Online; Kelly Asche ; 0.5-4 cr.
66119 005 LEC, 16:00-17:40 TTh, Hubert H. Humphrey
School 20, In Person; Jason Cao ; 0.5-4 cr.

5311 Program Evaluation

(A-F only;)
57610 001 LEC, 12:30-15:15 F, Hubert H. Humphrey
School 50B, 12:30-15:15 F, Hubert H. Humphrey
School 50B, 12:30-15:15 F, Hubert H. Humphrey
School 50B, 12:30-15:15 F, Hubert H. Humphrey
School 50B, 12:30-15:15 F, Hubert H. Humphrey
School 50B, 12:30-15:15 F, Hubert H. Humphrey School 50B,
12:30-15:15 F, Hubert H. Humphrey School 50B, Partially
Online; Nishank Varshney ; 3 cr.

5312 Cost-Benefit Analysis for Program Evaluation

(Student Option No Audit; Prerequisite: PA 5021 or
other prior course in microeconomics.)
57637 001 LEC, 16:00-17:40 MW, Hubert H. Humphrey
School 20, In Person; Judy Temple ; 2 cr.

5405 Public Policy Implementation

(A-F or Audit;)
57645 001 LEC, 11:15-12:30 MW, Twin Cities Remote,
Completely Online; Kaylee Myhre Errecaborde ; 3 cr.

5415 Effective Policies for Children in the First Decade

(Student Option No Audit;)
57625 001 LEC, 16:00-17:15 MW, Hubert H. Humphrey
School 20, In Person; Judy Temple ; 1.5-3 cr.

5416 Economics of U.S. Social Insurance Programs

(A-F only; Prerequisite: PA 5021 or other prior course
in microeconomics.)
57638 001 LEC, 11:15-12:30 TTh, Hubert H. Humphrey
School 184, In Person; Maria Hanratty ; 3 cr.

5426 Community-Engaged Research and Policy with Marginalized Groups

(Student Option;)
65592 001 LEC, 17:30-20:15 W, Twin Cities Remote,
Completely Online; Christina Melander, Katie Fogel ; 3 cr.

5480 Topics in Race, Ethnicity, and Public Policy

(Student Option; Prereq: Jr or sr or grad student or
instr consent)
65744 001 LEC, 16:00-17:40 TTh, Twin Cities Remote,
Completely Online; Samuel Myers ; 1-3 cr.

5521 Development Planning and Policy Analysis

(Student Option; Prereq: 5031 or equiv recommended
or instr consent)
57553 001 LEC, 14:30-15:45 TTh, Hubert H. Humphrey
School 184, In Person; Ragui Assaad ; 4 cr.
57556 002 LAB, 08:15-09:30 F, Hubert H. Humphrey School
85, In Person; Ragui Assaad ; 4 cr.

5623 GAINS: Gender and Intersectional Network Series, Leadership Workshop II

(S-N only;)
65608 001 LEC, 14:15-17:00 F, Hubert H. Humphrey
School 35, 14:15-17:00 F, Hubert H. Humphrey School
35, 14:15-17:00 F, Hubert H. Humphrey School 35,
14:15-17:00 F, Hubert H. Humphrey School 35, In Person;
Christina Ewig ; 0.5-1 cr.

5683 Gender, Race and Political Representation

(A-F only;)
65609 001 LEC, 14:30-15:45 TTh, Hubert H. Humphrey
School 35, In Person; Meets With: 001 PA 8683; Christina
Ewig ; 3 cr.

5715 Deliberating Science, Technology, and Environmental Policy

(A-F only;)
57557 001 LEC, 16:00-17:15 W, Hubert H. Humphrey School
30, In Person; Bonnie Keeler ; 1.5 cr.
68037 002 LEC, 14:30-17:15 T, Blegen Hall 205, In Person;
Gabriel Chan, Robert Blake ; 1.5 cr.

5721 Energy Systems and Policy

(Student Option;)
65603 001 LEC, 17:30-20:15 W, Hubert H. Humphrey School
60, In Person; Benjamin Stafford ; 3 cr.

5723 Water Policy

(Student Option;)
57558 001 LEC, 10:15-11:30 TTh, Biosystems & Ag Eng
Bldg 308, In Person; Meets With: 001 WRS 5101; Joe
Magner ; 3 cr.

5761 Environmental Systems Analysis at the Food-Energy-Water Nexus

(Student Option;)
57635 001 LEC, 18:00-20:45 T, Hubert H. Humphrey School
20, In Person; Bonnie Keeler ; 3 cr.

5790 Topics in Science, Technology, and Environmental Policy

(Student Option;)
68805 001 LEC, In Person; Gabriel Chan, Robert Blake ; 1-3
cr.

5801 Global Public Policy

(Student Option;)
65777 001 LEC, 16:00-17:15 MW, Hubert H. Humphrey
School 25, In Person; Dipali Mukhopadhyay ; 3 cr.

5823 Human Rights and Humanitarian Crises: Policy Challenges

(Student Option No Audit;)
65715 001 LEC, 13:00-14:15 TTh, Blegen Hall 135, In
Person; Eric Schwartz ; 3 cr.

5825 Crisis Management in Foreign Affairs

(Student Option;)
57602 001 LEC, 18:00-20:45 Th, Carlson School of
Mgmt 1-127, 18:00-20:45 Th, Carlson School of
Mgmt 1-127, 18:00-20:45 Th, Carlson School of
Mgmt 1-127, 18:00-20:45 Th, Carlson School of
Mgmt 1-127, 18:00-20:45 Th, Carlson School of Mgmt
1-127, 18:00-20:45 Th, Carlson School of Mgmt
1-127, 18:00-20:45 Th, Carlson School of Mgmt 1-127,
18:00-20:45 Th, Carlson School of Mgmt 1-127, In Person;
Steven Andreasen ; 1.5 cr.

5887 Master of Human Rights Cohort Seminar II

(S-N only;)
57591 001 LEC, 14:30-16:25 T, Hubert H. Humphrey
School 50B, 14:30-16:25 T, Hubert H. Humphrey
School 50B, 14:30-16:25 T, Hubert H. Humphrey
School 50B, 14:30-16:25 T, Hubert H. Humphrey
School 50B, 14:30-16:25 T, Hubert H. Humphrey
School 50B, 14:30-16:25 T, Hubert H. Humphrey School
50B, 14:30-16:25 T, Hubert H. Humphrey School 50B,
14:30-16:25 T, Hubert H. Humphrey School 50B, In
Person; Janet Walsh ; 1 cr.

5890 Topics in Foreign Policy and International Affairs

(Student Option;)
65577 001 LEC, 13:00-14:15 MW, Hubert H. Humphrey
School 35, In Person; Janet Walsh ; 0.5-5 cr.
65612 002 LEC, 11:15-12:05 M, Blegen Hall 317, In Person;
Deborah Levison ; 0.5-5 cr.
65714 003 LEC, 09:45-11:00 TTh, Hubert H. Humphrey
School 35, In Person; Eric Schwartz ; 0.5-5 cr.
68398 004 LEC, 08:15-09:30 MW, ONLINE BLENDED,
08:15-09:30 MW, Blegen Hall 317, Partially Online; Amelia
Shindelar ; 0.5-5 cr.

5920 Skills Workshop

(Student Option;)
66154 001 LEC, 09:00-16:30 Sa, Hubert H. Humphrey
School 35, In Person; John Bryson ; 0.5-4 cr.
68058 002 LEC, 09:45-11:00 TTh, Hubert H. Humphrey
School 15, In Person; Dipali Mukhopadhyay ; 0.5-4 cr.

5927 Effective Grantwriting for Nonprofit Organizations

(Student Option No Audit;)
57606 001 LEC, 17:45-20:30 W, Twin Cities Remote,
Completely Online; Georgina Chinchilla Gonzalez ; 1.5 cr.

5928 Data Management and Visualization with R

(Student Option; Prerequisite knowledge: Introductory
statistics; ability to create bar graphs, line graphs,
and scatter plots in MS Excel; and familiarity with
principles of data visualization.)
57639 001 LAB, 14:30-15:45 TTh, Hubert H. Humphrey
School 85, In Person; Terin Mayer ; 1.5 cr.

5929 Data Visualization: Telling Stories with Numbers

(Student Option;)
57593 001 LAB, 14:30-15:45 TTh, Hubert H. Humphrey
School 85, 13:00-16:00 Sa, Hubert H. Humphrey School
85, In Person; Geoffrey Maas ; 2 cr.
57597 002 LAB, 16:00-17:15 TTh, Twin Cities Remote,
13:00-16:00 Sa, Twin Cities Remote, Completely Online;
Geoffrey Maas ; 2 cr.

5962 State Governing and Legislating: Working the Process

(A-F only;)
57605 001 LEC, 18:00-20:45 M, Hubert H. Humphrey School
20, In Person; Briana Bierschbach ; 3 cr.

5972 Elections and the Law

(Student Option No Audit;)
57588 001 LEC, 00:00-00:00 , ONLINE, Completely Online;
Meets With: 001 PA 3972; Judd Choate ; 2 cr.

5975 Election Design

(Student Option No Audit;)
57630 001 LEC, Completely Online; Meets With: 001 PA
3975; Whitney Quesenbery ; 2 cr.

5982 Data Analysis for Election Administration

(Student Option No Audit;)
65559 001 LEC, Completely Online; Meets With: 001 PA
3982; Tamara Patrick ; 2 cr.

5984 Elections Security: How to Protect America's Elections

(A-F or Audit;)
67732 001 LEC, Completely Online; Meets With: 001 PA
3984; Maurice Turner ; 2 cr.

Public Health (PUBH)

1001 Success Over Stress (SOS)

(Student Option; Prereq: Undergrad or PSEO student)
63000 001 LEC, Completely Online; Sarah Keene ; 1 cr.
63026 002 LEC, Completely Online; Sarah Keene ; 1 cr.

1002 Personal Technology and Wellbeing

(Student Option; Prerequisite: Undergraduate or PSEO
student.)
63131 001 LEC, Completely Online; Laurie Lucachick ; 1 cr.
63138 002 LEC, Completely Online; Laurie Lucachick ; 1 cr.

1003 Alcohol and College Life (ACL)

(Student Option; Prereq: Undergrad or PSEO student.)
62795 001 LEC, Completely Online; Laurie Lucachick ; 1 cr.
62897 002 LEC, Completely Online; Laurie Lucachick ; 1 cr.

1004 Sexuality Matters

(Student Option; Prereq: Undergrad or PSEO student)
63012 001 LEC, Completely Online; Emily Matson ; 1 cr.
63013 002 LEC, Completely Online; Emily Matson ; 1 cr.

1005 Sleep, Eat, and Exercise

(Student Option; Prereq: [Undergrad or PSEO] student)
62932 001 LEC, Completely Online; Emily Matson ; 1 cr.
63001 003 LEC, Completely Online; Emily Matson ; 1 cr.

3001 Personal and Community Health

(Student Option;)
62738 001 LEC, 12:20-13:10 MW, Phillips-Wangenstn Bldg
2-470, In Person; Christine Kunitz ; 2 cr.

3003 Fundamentals of Alcohol and Drug Abuse

(Student Option;)
62739 001 LEC, 12:20-13:10 TTh, Phillips-Wangenstn Bldg
2-470, In Person; Julie Sanem ; 2 cr.

3052 Practicum in Peer Education II

(A-F or Audit; Prereq: Undergrad student, demonstrated hlth sci or hlth ed interest, selected to serve as a hlth advocate, instr consent)

62740 001 LEC, 14:30-16:25 T, Health Sciences Edu Ctr 2-110, In Person; Julie Sanem ; 2 cr.

3193 Environmental Health: Directed**Studies**

(S-N only;)

63102 001 IND, In Person; Claudia Munoz-Zanzi ; 1-3 cr.
63111 002 IND, In Person; Petrona Lee ; 1-3 cr.

3212 Infectious Disease Outbreaks: Review of Public Health Investigation, Response, & Prevention Strategy

(A-F only; Prereq: BIOL 1xxx or equivalent Honor students who have completed HSEM 2707H are NOT eligible to register for this course.)

63070 001 DIS, 13:25-15:20 W, Phillips-Wangenstein 3154/3156, In Person; Jill DeBoer ; 2 cr.

3351 Epidemiology: People, Places, and Disease

(Student Option; Prereq: Undergrad statistics course is recommended)

63002 001 LEC, 15:35-17:30 Th, Mayo Bldg & Additions 3-100, In Person; Ruby Nguyen ; 2 cr.

3601 Global Public Health Issues

(A-F only; Prereq: Public Health minor requirements or instr consent, [3202 or 3001 or 3004], [3351 or 3106])

63014 001 LEC, Completely Online; Sarah Cusick ; 2 cr.

3893 Directed Study: Health Services**Research and Policy**

(Student Option; Prereq: instr consent)

63127 001 IND, In Person; Dori Cross ; 1-4 cr.

3955 Using Policy to Promote Healthy Eating and Activity Among Young People

(Student Option;)

63036 320 LEC, Completely Online; Nicole Larson, Melissa Laska ; 1 cr.

Rehabilitation Science (RSC)**5294 Independent Study in Rehabilitation Science**

(Student Option; Prereq: Rehabilitation science student or program approval)

60937 001 IND, 00:00-00:00 , , In Person; Paula Ludewig ; 1-3 cr.
61156 002 IND, 00:00-00:00 , , In Person; Brendan Dougherty ; 1-3 cr.
61157 003 IND, 00:00-00:00 , , In Person; Bernadette Gillick ; 1-3 cr.
61158 004 IND, 00:00-00:00 , , In Person; Arin Ellingson ; 1-3 cr.
61159 005 IND, 00:00-00:00 , , In Person; John Ferguson ; 1-3 cr.
61160 006 IND, 00:00-00:00 , , In Person; Dawn Lowe ; 1-3 cr.
61161 007 IND, 00:00-00:00 , , In Person; Andrew Hansen ; 1-3 cr.
61162 008 IND, 00:00-00:00 , , In Person; John Looff ; 1-3 cr.
61163 009 IND, 00:00-00:00 , , In Person; Manda Keller-Ross ; 1-3 cr.
61164 010 IND, 00:00-00:00 , , In Person; Peggy Martin ; 1-3 cr.
61227 011 IND, 00:00-00:00 , , In Person; Justin Staker ; 1-3 cr.
61799 012 IND, In Person; Corey McGee ; 1-3 cr.
61800 013 IND, In Person; Linda Koehler ; 1-3 cr.
61801 014 IND, In Person; Ricardo Battaglinio ; 1-3 cr.
61802 015 IND, In Person; Ann Van de Winckel ; 1-3 cr.

5310 Cardiopulmonary Physiology and Rehabilitation
(A-F or Audit;)
61795 001 LAB, 10:10-11:00 MTTh, AHC ROOM TBA, In Person; Peter Freeborn ; 2-4 cr.

5841 Applied Data Acquisition and Processing
(A-F or Audit; Prereq: prefer students to have completed general physics, introductory of short calculus)
68074 001 LAB, 14:30-17:20 M, Phillips-Wangenstein Bldg 2-350, In Person; John Ferguson, Sara Koehler-McNicholas, John Looff ; 3 cr.

5842 Teaching and Learning in Rehabilitation Science

(Student Option;)

68077 001 LEC, Completely Online; 1 cr.

Religious Studies (RELS)**1203 The Bible: Context & Interpretation, World of the New Testament**

(A-F or Audit; AH)

67250 001 LEC, 13:00-14:15 TTh, Blegen Hall 10, In Person; Meets With: 001 CNRC 1203001 RELS 3213001 CNRC 3213; Stephen Ahearne-Kroll ; 3 cr.

1205 The Bible and Film: The Holy Book Meets the Silver Screen

(A-F or Audit;)

68417 001 LEC, 14:30-15:45 TTh, Nicholson Hall 155, In Person; Meets With: 001 JWST 1205001 CNRC 1205; Bernard Levinson ; 3 cr.

3001W Theory and Method in Religion: Critical Approaches to the Study of Religion

(Student Option; WI)

53641 001 DIS, 16:00-17:15 MW, Folwell Hall 30, In Person; Meets With: 001 RELS 5001; Jeanne Kilde ; 3 cr.

3019 Buddhist Art and Architecture

(Student Option;)

68740 001 LEC, 13:00-14:15 MW, Blegen Hall 415, In Person; Meets With: 001 ARTH 3019; Daniel Greenberg ; 3 cr.

3182 Egypt and Western Asia: Art and Archaeology of Ancient Egypt and Western Asia

(Student Option; AH,GP)

68397 001 LEC, 11:15-12:30 MW, Blegen Hall 240, In Person; Meets With: 001 ARTH 3182001 CNRC 3182; Paige Breckvick ; 3 cr.

3213 The Bible: Context & Interpretation, World of the New Testament

(A-F or Audit; AH)

67251 001 LEC, 13:00-14:15 TTh, Blegen Hall 10, In Person; Meets With: 001 RELS 1203001 CNRC 3213001 CNRC 1203; Stephen Ahearne-Kroll ; 3 cr.

3321 American Indian Philosophies

(Student Option; AH,DSJ)

54899 001 LEC, 13:00-14:15 MW, Nicholson Hall 315, In Person; Meets With: 001 AMIN 3301; Alex Ghebregzi ; 3 cr.

3415W Art of India

(Student Option; AH,WI,GP)

54231 002 LEC, In Person; 3 cr.
54232 004 LEC, In Person; 3 cr.

3502W Ancient Israel: From Conquest to Exile

(Student Option; WI)

68015 001 LEC, 11:15-12:30 TTh, Nicholson Hall 125, In Person; Meets With: 001 HIST 3502W001 CNRC 5502W001 CNRC 3502W001 JWST 3502W; Bernard Levinson ; 3 cr.

3535 Death and the Afterlife in the Ancient World

(Student Option; AH)

68233 001 LEC, 09:45-11:00 TTh, Nicholson Hall 110, In Person; Meets With: 001 CNRC 3535; Ranjani Atur ; 3 cr.

3543 Pagans, Christians, Barbarians: The World of Late Antiquity

(A-F or Audit; GP,HIS)

55612 001 LEC, 11:15-12:30 MW, Nicholson Hall 115, In Person; Meets With: 001 CNRC 3617001 MEST 3617001 HIST 3617; Andrea Sterk ; 3 cr.

3545W World Christianity, 1300-1800

Reformers, Radicals and Revolutionaries

(Student Option; Prerequisite, examines developments

in the history of Christianity from the beginning of

the fourteenth century to the end of the eighteenth.

We will start our investigation by considering the

Latin church with its headquarters in Rome at the

height of its power and influence. We will then trace

its development through the crises of the fourteenth

century and its subsequent transformation during the

Reformation and the Confessional era. We will close by considering new challenges facing the church in an age of Enlightenment and Revolution. Though our geographic center of gravity will be in Europe, we will follow the expansion of Christianity into the Asian, African and American worlds and how developments here changed the nature of the church back in Europe. We will study religion as a phenomenon that affects human activity in a broad spectrum of area and activities. Though we will investigate formal matters of belief, significant attention will be given to Christianity as a lived experience, and how faith affected the everyday life of men and women in the premodern world.WI)

68767 001 LEC, 09:45-10:35 MW, Blegen Hall 425, In Person; Meets With: 001 HIST 3082W001 HIST 5900; Howard Louthan ; 3 cr.

3609 Intersectional Medieval Art

(Student Option; AH)

68013 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 50B, In Person; Meets With: 001 MEST 3009001 ARTH 3009; Jennifer Awes-Freeman ; 3 cr.

3627 The End of the World in Literature and History

(Student Option; HIS)

54089 001 DIS, 14:30-15:45 MW, Rapson Hall 45, In Person; Meets With: 001 ENGL 3025; Jennifer Jodell ; 3 cr.

3679 Religion and Society in Modern South Asia

(A-F only; AH,GP)

68788 001 LEC, 09:45-11:00 TTh, Burton Hall 125, In Person; Meets With: 001 AMES 3679; Nida Sajid ; 3 cr.

3704 Exploring the Quran: An intellectual odyssey with Islam's holy scripture

(A-F or Audit; AH)

68010 001 DIS, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Meets With: 001 CNRC 3074; 3 cr.

3718W Christ in Islamic Thought

(Student Option; WI)

68012 001 LEC, 15:30-18:00 T, , In Person; Meets With: 001 HIST 3494W; Nabil Matar ; 3 cr.

3722 The Ottoman Empire

(Student Option; GP,HIS)

55613 001 LEC, 14:30-15:45 MW, Blegen Hall 145, In Person; Meets With: 001 HIST 3547; Fikri Cicek ; 3 cr.

3993 Directed Studies

(Student Option;)

51962 001 IND, 00:00-00:00 , , In Person; Jeanne Kilde ; 1-4 cr.

5001 Theory and Method in the Study of Religion: Critical Approaches to the Study of Religion

(Student Option; Prereq: Sr or grad student or instr consent)

68069 001 DIS, 16:00-17:15 MW, Folwell Hall 30, In Person; Meets With: 001 RELS 3001W; Jeanne Kilde ; 3 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent)

52112 001 IND, In Person; Jeanne Kilde ; 1-4 cr.

Retail Merchandising (RM)**1201 Fashion, Ethics, and Consumption**

(Student Option; CIV)

49514 001 LEC, Completely Online; 3 cr.

2196 Work Experience in Retail Merchandising

(S-N only; Prereq: Plan submitted/approved by [adviser, internship supervisor], written approval of supervisor, instr consent)

49488 001 FWK, Independent/Directed Study; Hyunjoo Im ; 1-4 cr.

49489 002 FWK, Independent/Directed Study; Hye-Young Kim ; 1-4 cr.

49490 003 FWK, Independent/Directed Study; Juanjuan Wu ; 1-4 cr.

49717 004 FWK, Independent/Directed Study; Lauren Kim ; 1-4 cr.

2215 Introduction to Retail Merchandising

(A-F or Audit;)

49491 001 LEC, Completely Online; 3 cr.

2234 Retailing in a Digital Age

(A-F only; TS)
49586 001 LEC, 10:15-11:30 MW, Ruttan Hall B25, In Person; 3 cr.

3124 Consumers of Design

(A-F only;)
49565 001 DIS, 10:15-11:30 TTh, McNeal Hall 310, In Person; 3 cr.

3196 Field Study: National or International
(A-F or Audit; Prereq: instr consent)

49597 001 FWK, Independent/Directed Study; Jaye Thompson ; 1-4 cr.

3201 Career and Internship Preparation for Retail Merchandising

(A-F only; Prereq: Retail merchandising major)
49492 001 LEC, 09:35-10:25 W, Twin Cities Remote, Completely Online; Paul Zheng ; 1 cr.

3242 Retail Buying

(A-F or Audit; Prereq: [2215 or DHA 2215], [MATH 1031 or MATH 1051 or MATH 1142 or MATH 1151 or MATH 1155 or MATH 1271 or CALG student group], [jr or sr], retail merchandising [major or minor]] or instr consent)
49588 001 DIS, 13:30-14:45 TTh, Ruttan Hall B25, In Person; 3 cr.

3244 Virtual Reality Retailing

(A-F only;)
49716 001 LEC, 13:30-15:50 W, ONLINE BLENDED, 13:30-15:50 W, McNeal Hall 305, Partially Online; 2 cr.

4117W Retail Environments and Human Behavior

(A-F only; Prereq: 2215 or DHA 2215, [jr or sr or grad student], [design major or minor or instr consent]WI)
49526 001 DIS, Completely Online; Meets With: 001 APST 5117; 3 cr.

4193 Directed Study in Retail Merchandising

(A-F or Audit; Prereq: Undergrad, instr consent)
49496 001 IND, Independent/Directed Study; Hyunjoon Im ; 1-4 cr.
49497 002 IND, Independent/Directed Study; Hye-Young Kim ; 1-4 cr.
49498 003 IND, Independent/Directed Study; Juanjuan Wu ; 1-4 cr.
49719 004 IND, Independent/Directed Study; Lauren Kim ; 1-4 cr.

4196 Internship in Retail Merchandising

(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)
49680 004 FWK, Independent/Directed Study; Peggy Lord ; 1-2 cr.

4217 International Retail Markets

(A-F or Audit; Prereq: 2215 or DHA 2215, [jr or sr or grad student], [DHA major or minor or instr consent]GP)
49502 001 LEC, 11:45-13:00 MW, Ruttan Hall 143, In Person; 3 cr.

4235 Data Driven Retail

(A-F or Audit;)
67999 001 LEC, 10:15-11:30 MW, McNeal Hall 316, In Person; Meets With: 001 APST 5235; Hyunjoon Im ; 3 cr.

4248 Creative Leadership in Retailing

(A-F only;)
49571 001 LEC, 15:00-16:15 TTh, McNeal Hall 10, In Person; 3 cr.

Robotics (ROB)**5994 Directed Research**

(A-F only;)
60502 001 IND, In Person; Nikolaos Papanikolopoulos ; 1-3 cr.

5996 Curricular Practical Training

(S-N only; Prereq: robotics major, instr consent)
60503 001 FWK, In Person; Nikolaos Papanikolopoulos ; 1-2 cr.

Russian (RUSS)**1102 Beginning Russian II**

(Student Option; Prereq: 1101 or equiv)
51886 001 DIS, 09:05-09:55 MTWThF, Folwell Hall 16, In Person; Meets With: 001 RUSS 4102; Erik McDonald ; 5 cr.
51887 002 DIS, 13:25-14:15 MTWThF, Folwell Hall 13, In Person; Meets With: 002 RUSS 4102; Nadya Clayton ; 5 cr.
51888 003 DIS, 14:30-15:20 MTWThF, Folwell Hall 16, In Person; Meets With: 003 RUSS 4102; Irina Zaykovskaya ; 5 cr.

3002 Intermediate Russian II

(Student Option; Prereq: 3001 or instr consent)
53280 001 DIS, 11:15-12:05 MTWThF, Folwell Hall 13, In Person; Meets With: 001 RUSS 4104; Nadya Clayton ; 5 cr.
53281 002 DIS, 13:25-14:15 MTWThF, Folwell Hall 16, In Person; Meets With: 002 RUSS 4104; Irina Zaykovskaya ; 5 cr.

3102 Advanced Russian II

(Student Option; Prereq: 3101 or 4111 or instr consent)
51860 001 DIS, 14:30-15:20 MTWTh, Folwell Hall 13, In Person; Meets With: 002 RUSS 4112; Erik McDonald ; 4 cr.

3311V Honors Major Project in Russian

(A-F only; Prereq: Advanced Russian majorWI)
52447 001 IND, 11:15-12:30 TTh, Folwell Hall 116, In Person; Meets With: 001 GSD 3451V001 GSD 3451W001 RUSS 3311W; Jamele Watkins ; 3-4 cr.

3311W Russian Major Project

(A-F or Audit; Prereq: Advanced Russian majorWI)
51861 001 IND, 11:15-12:30 TTh, Folwell Hall 116, In Person; Meets With: 001 GSD 3451V001 GSD 3451W001 RUSS 3311W; Jamele Watkins ; 3 cr.

3411 Dostoevsky in Translation

(Student Option; GP,LITR)
65572 001 DIS, 13:00-14:15 TTh, Folwell Hall 106, In Person; Meets With: 001 RUSS 5411; Gary Jahn ; 3 cr.

3422 Literature: Tolstoy to the Present in Translation

(Student Option; LITR)
55220 001 DIS, 10:10-11:00 MWF, Folwell Hall 106, In Person; Meets With: 001 RUSS 5422; Nadya Clayton ; 3 cr.

3512 Russian Art and Culture

(Student Option; AH,GP)
64543 001 LEC, 13:25-14:15 MWF, Kolthoff Hall 140, In Person; Erik McDonald ; 3 cr.

3993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)
51862 001 IND, 00:00-00:00 , , In Person; Erik McDonald ; 1-4 cr.

4102 Beginning Russian for Graduate Research II

(Student Option; Prereq: 4101)
53284 001 DIS, 09:05-09:55 MTWThF, Folwell Hall 16, In Person; Meets With: 001 RUSS 1102; Erik McDonald ; 5 cr.
53285 002 DIS, 13:25-14:15 MTWThF, Folwell Hall 13, In Person; Meets With: 002 RUSS 1102; Nadya Clayton ; 5 cr.
53286 003 DIS, 14:30-15:20 MTWThF, Folwell Hall 16, In Person; Meets With: 003 RUSS 1102; Irina Zaykovskaya ; 5 cr.

4104 Intermediate Russian II

(Student Option; Prereq: 4103)
53282 001 DIS, 11:15-12:05 MTWThF, Folwell Hall 13, In Person; Meets With: 001 RUSS 3002; Nadya Clayton ; 5 cr.
53283 002 DIS, 13:25-14:15 MTWThF, Folwell Hall 16, In Person; Meets With: 002 RUSS 3002; Irina Zaykovskaya ; 5 cr.

4112 Advanced Russian for Graduate Research II

(Student Option; Prereq: 3101 or 4111 or instr consent)
53688 002 DIS, 14:30-15:20 MTWTh, Folwell Hall 13, In Person; Meets With: 001 RUSS 3102; Erik McDonald ; 4 cr.

5411 Dostoevsky in Translation

(Student Option; GP,LITR)
65573 001 DIS, 13:00-14:15 TTh, Folwell Hall 106, In Person; Meets With: 001 RUSS 3411; Gary Jahn ; 3 cr.

5422 Literature: Tolstoy to the Present in Translation

(Student Option; LITR)
55221 001 DIS, 10:10-11:00 MWF, Folwell Hall 106, In Person; Meets With: 001 RUSS 3422; Nadya Clayton ; 3 cr.

5993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)
52329 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

Scandinavian (SCAN)**3602 The Literary Fairy Tale in Scandinavia**
(Student Option; LITR)

66149 001 DIS, 14:30-15:45 TTh, Nicholson Hall 125, In Person; Benjamin Bigelow ; 3 cr.

3670 Topics in Scandinavian Studies

(Student Option;)
66114 001 DIS, 14:30-15:45 MW, Folwell Hall 32, In Person; Meets With: 001 SCAN 5670; Lena Norrman ; 3 cr.

3993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)
52159 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

5670 Topics in Scandinavian Studies

(Student Option;)
66115 001 LEC, 14:30-15:45 MW, Folwell Hall 32, In Person; Meets With: 001 SCAN 3670; Lena Norrman ; 3 cr.

5993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)
52160 001 IND, 00:00-00:00 , , In Person; 1-4 cr.

School for Field Studies (SFS)**Senegal (SNGL)****Social Work (SW)****1501 Introduction to Peace Studies**

(A-F only; GP)
51268 001 LEC, 13:30-14:45 MW, Peters Hall 80, In Person; Christopher Mendez ; 3 cr.

2501W Introduction to Social Justice

(A-F only; WI,DSJ)
50761 001 LEC, 17:10-20:30 T, Peters Hall 155, In Person; Camille Cyprian ; 4 cr.

3501 Theories and Practices of Social Change Organizing

(A-F only;)
50741 001 DIS, 16:00-19:20 Th, Peters Hall 155, In Person; Nate Whittaker ; 4 cr.

3701 Introduction to Child Maltreatment: Intervention and Prevention

(Student Option;)
50738 001 LEC, 13:55-16:25 M, Peters Hall 5, In Person; Katie Erickson ; 3 cr.

3702 Introduction to Adult Intimate Partner Violence: Intervention and Prevention

(Student Option;)
50481 001 LEC, 13:30-14:45 TTh, Biological Sciences Ctr 12, In Person; Jennifer Witt ; 3 cr.

4501 Senior Seminar in Social Justice

(A-F only; Prereq: 2501, 3501)
50757 001 LEC, 13:30-16:30 W, Peters Hall 39, In Person; Margretta Getawah ; 4 cr.

4693 Directed Studies

(Student Option; Prereq: instr consent)
50335 001 IND, Independent/Directed Study; 1-10 cr.
50519 002 IND, Independent/Directed Study; 1-10 cr.
50834 003 IND, Independent/Directed Study; 1-10 cr.

4694 Directed Research

(Student Option; Prereq: instr consent)
50336 001 IND, Independent/Directed Study; 1-10 cr.

5905 Permanency in Child Welfare

(A-F or Audit;)
50997 001 LEC, 08:00-12:00 Sa, Peters Hall 155, 08:00-12:00 Sa, Peters Hall 155, 08:00-12:00 Sa, Peters Hall 155, 08:00-12:00 Sa, Peters Hall 155, In Person; Andrew Morales ; 2 cr.

5907 School Social Work

(Student Option;)

51213 001 LEC, 17:10-20:00 M, Peters Hall 280, In Person; Barbara Mersy ; 1 cr.

5912 Grief and Loss in Social Work**Practice**

(Student Option;)

51069 001 LEC, 17:10-20:00 F, Peters Hall 5, In Person; Stacy Remke ; 1 cr.

5991 Independent Study in Social Work

(Student Option;)

50411 001 IND, Independent/Directed Study; Stacy Remke ; 1-4 cr.

Sociology (SOC)**1001 Introduction to Sociology**

(Student Option; Prereq: Soc Majors/Minors must register A-FDSJ,SOC5)

51733 001 LEC, 09:45-11:00 MW, Willey Hall 125, In Person; Tayler Nelson ; 4 cr.

51734 002 DIS, 11:15-12:05 M, Blegen Hall 260, In Person; 4 cr.

51735 004 DIS, 08:40-09:30 W, Blegen Hall 205, In Person; 4 cr.

51736 011 LEC, 11:15-12:30 MW, Anderson Hall 210, In Person; Mark Pharris ; 4 cr.

51737 014 DIS, 10:10-11:00 W, Blegen Hall 145, In Person; 4 cr.

51738 016 DIS, 10:10-11:00 W, Blegen Hall 205, In Person; 4 cr.

51739 021 LEC, Completely Online; Jane VanHeuvelen ; 4 cr.

51740 022 DIS, 16:00-16:50 W, Twin Cities Remote, Completely Online; 4 cr.

51741 024 DIS, 16:00-16:50 W, Twin Cities Remote, Completely Online; 4 cr.

52660 003 DIS, 11:15-12:05 M, Blegen Hall 115, In Person; 4 cr.

52661 006 DIS, 08:40-09:30 W, Blegen Hall 115, In Person; 4 cr.

53272 007 DIS, 11:15-12:05 W, Blegen Hall 115, In Person; 4 cr.

53274 012 DIS, 12:45-13:35 M, Hubert H. Humphrey School 60, In Person; 4 cr.

53275 013 DIS, 12:45-13:35 M, Blegen Hall 140, In Person; 4 cr.

53276 015 DIS, 10:10-11:00 W, Blegen Hall 225, In Person; 4 cr.

53802 025 DIS, 18:00-18:50 W, Twin Cities Remote, Completely Online; 4 cr.

53803 017 DIS, 12:45-13:35 W, Blegen Hall 220, In Person; 4 cr.

54085 009 DIS, 11:15-12:05 W, Blegen Hall 260, In Person; 4 cr.

55102 023 DIS, 16:00-16:50 W, Twin Cities Remote, Completely Online; 4 cr.

65704 018 DIS, 12:45-13:35 W, Blegen Hall 145, In Person; 4 cr.

65803 026 DIS, 18:00-18:50 W, Twin Cities Remote, Completely Online; 4 cr.

68597 027 DIS, 18:00-18:50 W, Twin Cities Remote, Completely Online; 4 cr.

1101 Law, Crime, & Punishment

(A-F or Audit;)

53788 001 LEC, 13:00-14:15 TTh, Anderson Hall 350, In Person; Gabrielle Ferrales ; 3 cr.

3003 Social Problems

(A-F or Audit; Prereq: 1001 recommended; soc majors/minors must register A-F)

65578 001 LEC, 11:15-12:30 TTh, Blegen Hall 255, In Person; Maureen Clark ; 3 cr.

3101 Sociological Perspectives on the Criminal Justice System

(A-F or Audit; Prereq: [SOC 1001] recommended, Sociology majors/minors must register A-FCIV)

52662 001 LEC, 11:15-12:30 TTh, Anderson Hall 230, In Person; Meets With: 001 SOC 3101H; Michelle Phelps ; 3 cr.

3101H Honors: Sociological Perspectives on the Criminal Justice System

(A-F only; Prereq: [SOC 1001] recommended, Sociology majors/minors must register A-F, honorsCIV)

65579 001 LEC, 11:15-12:30 TTh, Anderson Hall 230, In Person; Meets With: 001 SOC 3101; Michelle Phelps ; 3 cr.

3102 Criminal Behavior and Social Control

(Student Option; Prereq: Soc majors/minors must register A-F)

52663 001 LEC, 17:30-20:00 M, Blegen Hall 150, In Person; Christopher Robertson ; 3 cr.

3211W Race and Racism in the US

(A-F or Audit; DSJ,WI)

53948 001 LEC, 09:45-11:00 TTh, Blegen Hall 130, In Person; Meets With: 001 AAS 3211W; Enid Logan ; 3 cr.

3251W Sociological Perspectives on Race, Class, and Gender

(A-F or Audit; Prereq: Soc majors/minors must register A-FDSJ,WI,SOC5)

53395 001 LEC, 13:00-14:15 TTh, Blegen Hall 155, In Person; Meets With: 001 AAS 3251W; Enid Logan ; 3 cr.

3301W Politics and Society

(A-F or Audit; Prereq: 1001 recommended; soc majors/minors must register A-FWI)

65582 001 LEC, 09:45-11:00 MW, Blegen Hall 155, In Person; Vania Brightman Cox ; 3 cr.

3322W Social Movements, Protests, and Change

(A-F or Audit; Prereq: 1001 recommended; soc majors/minors must register A-FCIV,WI)

65705 001 LEC, 13:00-14:15 TTh, Blegen Hall 235, In Person; Joseph Gerteis ; 3 cr.

3411W Organizations and Society

(A-F or Audit; Prereq: 1001 recommended; soc majors/minors must register A-FWI)

65595 001 LEC, 11:15-12:30 TTh, Blegen Hall 155, In Person; David Knoke ; 3 cr.

3415 Consume This! The Sociology and Politics of Consumption

(A-F or Audit; Prereq: 1001 recommended; soc majors/minors must register A-F)

65598 001 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Teresa Gowan ; 3 cr.

3451W Cities & Social Change

(A-F or Audit; Prereq: 1001 recommended, Soc majors/minors must register A-FWI)

65706 001 LEC, 09:45-11:00 TTh, Blegen Hall 235, In Person; Jessica Lipschultz ; 3 cr.

3613W Stuffed and Starved: The Politics of Eating

(A-F or Audit; Prereq: Soc majors/minors must register A-FGP,WI,SOC5)

55095 001 LEC, 09:45-11:00 MW, Blegen Hall 235, In Person; Daniel Cueto-Villalobos ; 3 cr.

3701 Social Theory

(A-F or Audit; Prereq: 1001 recommended; soc majors/minors must register A-F)

51751 001 LEC, 09:05-11:00 MW, Blegen Hall 150, In Person; Joachim Savelsberg ; 4 cr.

53947 002 LEC, 12:20-14:15 MW, Blegen Hall 250, In Person; Morgan Brokjob ; 4 cr.

65825 301 LEC, Completely Online; Isabel Arriagada ; 4 cr.

3721 Principles of Social Psychology

(A-F or Audit; Prereq: 1001 recommended; soc majors/minors must register A-F)

65639 001 LEC, 13:00-14:15 TTh, Blegen Hall 150, In Person; Michael Walker ; 3 cr.

3801 Sociological Research Methods

(A-F or Audit; Prereq: 1001 recommended; soc majors must register A-F)

51745 001 LEC, 09:45-11:00 TTh, Anderson Hall 310, In Person; Carolyn Liebler ; 4 cr.

51746 002 LAB, 10:10-11:40 W, Blegen Hall 110, In Person; 4 cr.

51747 003 LAB, 12:20-13:50 W, Blegen Hall 110, In Person; 4 cr.

51748 004 LAB, 14:30-16:00 W, Blegen Hall 110, In Person; 4 cr.

51749 005 LAB, 16:15-17:45 W, Blegen Hall 110, In Person; 4 cr.

3811 Social Statistics

(Student Option; Prereq: Undergraduates with strong math background are encouraged to register for 5811 in lieu of 3811 (Soc 5811 offered Fall terms only). Soc Majors/Minors must register A-F.MATH)

51715 001 LEC, 08:15-09:30 TTh, Anderson Hall 370, In Person; Yanjie Bian ; 4 cr.

51716 002 LAB, 11:15-12:45 T, Elliott Hall S121, In Person; 4 cr.

51717 003 LAB, 13:00-14:30 T, Elliott Hall S121, In Person; 4 cr.

51718 004 LAB, 15:00-16:30 T, Elliott Hall S121, In Person; 4 cr.

53277 005 LAB, 08:00-09:30 W, Elliott Hall S121, In Person; 4 cr.

67192 006 LAB, 10:00-11:30 W, Elliott Hall S121, In Person; 4 cr.

67193 007 LAB, 09:45-11:15 Th, Elliott Hall S121, In Person; 4 cr.

4101V Honors: Sociology of Law

(A-F only; Prereq: honors student, [[SOC 1001] and [SOC 1101 or 3101 or 3102]] recommended, Sociology majors/minors must register A-FWI)

65604 001 LEC, 11:15-12:30 TTh, Blegen Hall 235, In Person; Meets With: 001 SOC 4101W; Gabrielle Ferrales ; 3 cr.

4101W Sociology of Law

(A-F or Audit; Prereq: [SOC 1001] and [SOC 1101 or 3101 or 3102]] recommended, Sociology majors/minors must register A-FWI)

65605 001 LEC, 11:15-12:30 TTh, Blegen Hall 235, In Person; Meets With: 001 SOC 4101V; Gabrielle Ferrales ; 3 cr.

4104 Crime and Human Rights

(A-F or Audit; Prereq: SOC 1001, at least one 3xxx SOC course recommended, Sociology majors/minors must register A-F)

65637 001 LEC, 17:30-20:00 W, Hanson Hall 1-106, In Person; Meets With: 001 SOC 4104H001 SOC 5104; Joachim Savelsberg ; 3 cr.

4104H Honors: Crime and Human Rights

(A-F only; Prereq: SOC 1001, at least one 3xxx SOC course recommended, Sociology majors/minors must register A-F)

65638 001 LEC, 17:30-20:00 W, Hanson Hall 1-106, In Person; Meets With: 001 SOC 4104001 SOC 5104; Joachim Savelsberg ; 3 cr.

4105 Sociology of Punishment

(A-F or Audit; Prereq: 3101 or 3102 recommended; soc majors/minors must register A-F)

65636 001 LEC, 13:00-14:15 TTh, Blegen Hall 120, In Person; Joshua Page ; 3 cr.

4108 Current Issues in Crime Control

(Student Option; Prereq: Soc majors/minors must register A-F)

65635 001 LEC, 14:30-15:45 TTh, Blegen Hall 120, In Person; Michelle Phelps ; 3 cr.

4113 Sociology of Violence: Bedrooms, Backyards, and Bars

(A-F or Audit;)

65634 001 LEC, 09:45-11:00 TTh, Blegen Hall 150, In Person; Michael Walker ; 3 cr.

4147 Sociology of Mental Health & Illness

(A-F or Audit; Prereq: Soc 1001 recommended, Soc majors/minors must register A-F)

54692 001 LEC, 11:15-12:30 MW, Blegen Hall 150, In Person; Jane VanHeuvelen ; 3 cr.

4162 Criminal Procedure in American Society

(A-F or Audit; Prereq: Soc 3101 or 3102 recommended; soc majors/minors must register A-F)

53949 001 LEC, 14:30-17:00 W, Twin Cities Remote, Completely Online; Joel Samaha ; 3 cr.

4966W Capstone Experience: Seminar

(A-F only; Prereq: 1001, 3701, 3801, 3811, 12 cr upper div sociology, dept consentWI)

51922 001 LEC, 14:30-15:45 TTh, Blegen Hall 235, In Person; Yanjie Bian ; 3 cr.

53859 002 LEC, 09:45-11:00 TTh, Blegen Hall 120, In Person; Joseph Gerteis ; 3 cr.

4978V Honors Capstone Experience: Proseminar II

(A-F only; Prereq: 1001/1011V, 3701, 3801, 3811, 4977V, and at least 12 upper-division SOC credits; Sociology honors major & department consentWI)

51924 001 LEC, 14:30-17:00 W, Hubert H. Humphrey School 50A, In Person; Teresa Swartz ; 3 cr.

5104 Crime and Human Rights

(A-F or Audit; Prereq: at least one 3xxx SOC course recommended)

65627 001 LEC, 17:30-20:00 W, Hanson Hall 1-106, In Person; Meets With: 001 SOC 4104001 SOC 4104H; Joachim Savelsberg ; 3 cr.

Software Engineering (SENG)

5115 Graphical User Interface Design, Evaluation, and Implementation

(A-F or Audit; Prereq: Grad SENG major)

58400 001 LEC, 08:00-09:50 FSa, Keller Hall 3-111, 08:00-09:50 FSa, Keller Hall 3-111, 08:00-09:50 Sa, Keller Hall 3-111, 08:00-09:50 F, Keller Hall 3-111, 08:00-09:50 FSa, Keller Hall 3-111, 08:00-09:50 Sa, Keller Hall 3-111, 08:00-09:50 FSa, Keller Hall 3-111, 08:00-09:50 Sa, Keller Hall 3-111, In Person; John Kruse, Devi Vijayakumar, ; 2 cr.

5133 Cloud Computing - Leading Technical Change

(A-F only;)

60507 001 DIS, 10:00-12:45 FSa, Keller Hall 3-111, 10:00-12:45 FSa, Keller Hall 3-111, 10:00-12:45 Sa, Keller Hall 3-111, 10:00-12:45 F, Keller Hall 3-111, 10:00-12:45 FSa, Keller Hall 3-111, 10:00-12:45 Sa, Keller Hall 3-111, 10:00-12:45 FSa, Keller Hall 3-111, 10:00-12:45 Sa, Keller Hall 3-111, In Person; Nathaniel Schutta ; 3 cr.

5199 Topics in Software Engineering

(A-F or Audit; Prereq: SENG grad student)

68292 001 LEC, 14:00-16:45 FSa, Keller Hall 2-260, 10:00-12:45 FSa, Keller Hall 2-260, 10:00-12:45 FSa, Keller Hall 2-260, 10:00-12:45 FSa, Keller Hall 2-260, 10:00-12:45 FSa, Keller Hall 2-260, 10:00-12:45 Sa, Keller Hall 2-260, 10:00-12:45 Sa, Keller Hall 2-260, In Person; Kevin Pichelman ; 2-3 cr.

5709 Big Data Engineering and Analytics

(A-F or Audit;)

59928 001 LEC, 14:00-16:45 FSa, Keller Hall 3-111, 15:00-16:50 FSa, Keller Hall 3-111, 15:00-16:50 Sa, Keller Hall 3-111, 15:00-16:50 F, Keller Hall 3-111, 15:00-16:50 FSa, Keller Hall 3-111, 15:00-16:50 Sa, Keller Hall 3-111, 15:00-16:50 FSa, Keller Hall 3-111, 15:00-16:50 Sa, Keller Hall 3-111, In Person; Donald Sawyer, Matthew Schroeder, ; 3 cr.

5802 Software Engineering II: Software Design

(A-F or Audit; Prereq: Grad SENG major)

58175 001 LEC, 11:00-14:45 F, Keller Hall 3-111, 11:00-14:45 FSa, Keller Hall 3-111, 11:00-14:45 FSa, Keller Hall 3-111, 11:00-14:45 FSa, Keller Hall 3-111, 11:00-14:45 FSa, Keller Hall 3-111, 11:00-14:45 FSa, Keller Hall 3-111, 11:00-14:45 FSa, Keller Hall 3-111, 11:00-14:45 FSa, Keller Hall 3-111, 11:00-14:45 FSa, Keller Hall 3-111, In Person; Kevin Wendt ; 3 cr.

5811 Software Testing and Verification

(A-F or Audit; Prereq: 5801, grad SENG major)

58176 001 LEC, 08:00-10:45 F, Keller Hall 3-111, 08:00-10:45 FSa, Keller Hall 3-111, 08:00-10:45 FSa, Keller Hall 3-111, 08:00-10:45 FSa, Keller Hall 3-111, 08:00-10:45 FSa, Keller Hall 3-111, 08:00-10:45 FSa, Keller Hall 3-111, 08:00-10:45 FSa, Keller Hall 3-111, 08:00-10:45 FSa, Keller Hall 3-111, In Person; Sanjai Rayadurgam, ; 3 cr.

5852 Quality Assurance and Process Improvement

(A-F or Audit; Prereq: Grad SENG major)

58320 001 LEC, 15:00-16:50 F, Keller Hall 3-111, 15:00-16:50 FSa, Keller Hall 3-111, 15:00-16:50 FSa, Keller Hall 3-111, 15:00-16:50 FSa, Keller Hall 3-111, 15:00-16:50 FSa, Keller Hall 3-111, 15:00-16:50 FSa, Keller Hall 3-111, 15:00-16:50 FSa, Keller Hall 3-111, In Person; Megan Graham ; 2 cr.

5900 Directed Study

(Student Option;)

58438 001 LEC, In Person; 1-3 cr.

Soil, Water, and Climate (SOIL)

2125 Basic Soil Science

(A-F or Audit; Prereq: [CHEM 1015, CHEM 1017] or CHEM 1021 or equivENV,PHYS)

55932 001 LEC, 09:35-10:25 MWF, Borlaug Hall 335, In Person; Nicolas Jelinski ; 4 cr.

56097 004 DIS, 10:40-11:30 Th, Plant Growth Facility 174, In Person; Nicolas Jelinski ; 4 cr.

56250 002 LAB, 00:00-00:00 , , In Person; Nicolas Jelinski ; 4 cr.

56251 003 DIS, 09:35-10:25 Th, Plant Growth Facility 174, In Person; Nicolas Jelinski ; 4 cr.

56252 005 DIS, 11:45-12:35 Th, Plant Growth Facility 174, In Person; Nicolas Jelinski ; 4 cr.

56253 006 DIS, 15:00-15:50 Th, Plant Growth Facility 174, In Person; Nicolas Jelinski ; 4 cr.

56372 007 DIS, 16:05-16:55 Th, Plant Growth Facility 174, In Person; Nicolas Jelinski ; 4 cr.

2601 The Social Life of Soil

(Student Option; ENV)

56569 001 LEC, Completely Online; Grace Wilson ; 3 cr.

3416 Plant Nutrients in the Environment

(Student Option; Prereq: SOIL 2125)

56223 001 DIS, 11:45-13:40 MW, Plant Growth Facility 140A/B, In Person; Yuxin Miao ; 3 cr.

3521 Soil Judging

(A-F or Audit; Prereq: An introductory soils course and field studies course.)

56371 001 FWK, In Person; Nicolas Jelinski ; 1 cr.

3993 Directed Study

(Student Option; Prereq: Department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements)

55978 001 IND, 00:00-00:00 , , In Person; Carl Rosen ; 1-4 cr.

56571 002 IND, In Person; Nicolas Jelinski ; 1-4 cr.

56579 003 IND, In Person; Kyungsoo Yoo ; 1-4 cr.

56581 004 IND, In Person; Jay Bell ; 1-4 cr.

3994 Directed Research

(Student Option; Prereq: Department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

55979 001 IND, 00:00-00:00 , , In Person; Carl Rosen ; 1-4 cr.

5125 Soil Science for Teachers and Professionals

(Student Option;)

56368 001 LEC, In Person; Nicolas Jelinski ; 4 cr.

56369 002 LAB, In Person; Nicolas Jelinski ; 4 cr.

56370 003 DIS, In Person; Nicolas Jelinski ; 4 cr.

5993 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)

56556 002 IND, In Person; Jay Bell, Patrick Nunnally ; 1-4 cr.

56564 001 IND, In Person; Fabian Fernandez ; 1-4 cr.

56565 003 IND, In Person; Kyungsoo Yoo ; 1-4 cr.

68758 004 IND, In Person; Joshua Gamble ; 1-4 cr.

Somali (SMLI)

1222 Beginning Somali II

(A-F only; Prereq: 1221)

53360 001 LEC, 17:30-20:00 MW, Blegen Hall 210, In Person; Hassan Hade ; 5 cr.

1226 Accelerated Beginning Somali II

(A-F only; Prereq: 1225 or instr consent)

53306 001 LEC, 17:30-20:00 TTh, Blegen Hall 335, In Person; Hassan Hade ; 5 cr.

3228 Intermediate Somali II

(Student Option;)

54111 001 LEC, 14:00-16:30 TTh, Blegen Hall 435, In Person; Khadar Jama ; 5 cr.

Spanish (SPAN)

1001 Beginning Spanish

(Student Option No Audit; Prereq: Less than 2 yrs of high school Spanish and/or three or more years away from Spanish language study; and dept consent)

55287 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 123, Partially Online; Stephanie Anderson ; 5 cr.

67804 002 DIS, 14:30-15:20 MTWTh, Ford Hall 151, Partially Online; Stephanie Anderson ; 5 cr.

1002 Beginning Spanish

(Student Option No Audit; Prereq: A grade of C- or better in SPAN 1001 completed at UMNTC, and dept consent)

55053 001 DIS, 10:10-11:00 MTWThF, Folwell Hall 31, Partially Online; Meets With: 001 SPAN 4002; Cecily Brown ; 5 cr.

55054 002 DIS, 11:15-12:05 MTWThF, Folwell Hall 32, Partially Online; Meets With: 002 SPAN 4002; Cecily Brown ; 5 cr.

55055 003 DIS, 13:25-14:15 MTWThF, Folwell Hall 112, Partially Online; Meets With: 003 SPAN 4002; Cecily Brown ; 5 cr.

55056 004 DIS, 15:35-17:30 MW, Folwell Hall 104, Partially Online; Meets With: 004 SPAN 4002; Elizabeth Lake ; 5 cr.

1003 Intermediate Spanish

(Student Option No Audit; Prereq: A grade of C- or better in SPAN 1002 or SPAN 1022 or EPT placement of SPAN 1003)

55288 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 123, Partially Online; Mary Pogatshnik ; 5 cr.

55289 014 DIS, 18:00-19:55 MW, Twin Cities Remote, Completely Online; Vivian Hirlandy Franco Diaz ; 5 cr.

65807 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 30, Partially Online; Mary Pogatshnik ; 5 cr.

65808 003 DIS, 09:05-09:55 MTWTh, Twin Cities Remote, Completely Online; Yoko Hama ; 5 cr.

65809 004 DIS, 10:10-11:00 MTWTh, Folwell Hall 28, Partially Online; Mary Pogatshnik ; 5 cr.

65810 005 DIS, 10:10-11:00 MTWTh, Folwell Hall 6, Partially Online; Sara Finney ; 5 cr.

65811 006 DIS, 11:15-12:05 MTWTh, Folwell Hall 112, Partially Online; Marie Mangold ; 5 cr.

65812 007 DIS, 11:15-12:05 MTWTh, Kolthoff Hall 138, Partially Online; Meets With: 008 SPAN 4003; Carlos Villanueva ; 5 cr.

65813 008 DIS, 12:20-13:10 MTWTh, Folwell Hall 105, Partially Online; Sara Gardner ; 5 cr.

65814 009 DIS, 12:20-13:10 MTWTh, Folwell Hall 104, Partially Online; Andrew Wiesinger ; 5 cr.

65815 010 DIS, 13:25-14:15 MTWTh, Folwell Hall 116, Partially Online; Elizabeth Lake ; 5 cr.

65816 011 DIS, 14:30-15:20 MTWTh, Folwell Hall 106, Partially Online; Elizabeth Lake ; 5 cr.

65817 012 DIS, 14:30-15:20 MTWTh, Folwell Hall 105, Partially Online; Andrew Wiesinger ; 5 cr.

65818 013 DIS, 15:35-16:25 MTWTh, Nicholson Hall 345, Partially Online; Andrew Wiesinger ; 5 cr.

67805 015 DIS, 10:10-11:00 MTWTh, Bruininks Hall 420A, Partially Online; Celeste Morales ; 5 cr.

1004 Intermediate Spanish

(Student Option No Audit; Prereq: A Grade of C- or better in SPAN 1003 or EPT placement of SPAN 1004)

52094 001 LEC, 08:00-08:50 MTWTh, Folwell Hall 103, Partially Online; Raegeom Lee ; 5 cr.

52095 002 LEC, 08:00-08:50 MTWTh, Folwell Hall 18, Partially Online; Adriana Sanchez-Vargas ; 5 cr.

52096 004 LEC, 09:05-09:55 MTWTh, Folwell Hall 3, Partially Online; Adriana Sanchez-Vargas ; 5 cr.

52097 005 LEC, 09:05-09:55 MTWTh, Folwell Hall 121, Partially Online; Sara Mack ; 5 cr.

52098 006 LEC, 10:10-11:00 MTWTh, Folwell Hall 4, Partially Online; Adriana Sanchez-Vargas ; 5 cr.

52099 007 LEC, 10:10-11:00 MTWTh, Folwell Hall 30, Partially Online; Sara Mack ; 5 cr.

52100 008 LEC, 10:10-11:00 MTWTh, Twin Cities Remote, Completely Online; Javier Zapata Claveria ; 5 cr.

52101 009 LEC, 11:15-12:05 MTWTh, Folwell Hall 121, Partially Online; Edward Eiffer ; 5 cr.

52102 010 LEC, 11:15-12:05 MTWTh, Folwell Hall 122, Partially Online; Meets With: 010 SPAN 4004; Adriana Sanchez-Vargas ; 5 cr.

52103 011 LEC, 12:20-13:10 MTWTh, Nichol Hall 103, Partially Online; Edward Eiffer ; 5 cr.

52104 012 LEC, 12:20-13:10 MTWTh, Folwell Hall 18, Partially Online; Kristin Beamish-Brown ; 5 cr.

52105 013 LEC, 13:25-14:15 MTWTh, Folwell Hall 8, Partially Online; Edward Eiffer ; 5 cr.

52106 014 LEC, 13:25-14:15 MTWTh, Folwell Hall 28, Partially Online; Kristin Beamish-Brown ; 5 cr.

52107 015 LEC, 14:30-15:20 MTWTh, Folwell Hall 104, Partially Online; Kristin Beamish-Brown ; 5 cr.

52108 016 LEC, 14:30-15:20 MTWTh, Folwell Hall 103, Partially Online; Elsa Maxwell ; 5 cr.

52109 017 LEC, 15:35-16:25 MTWTh, Folwell Hall 103, Partially Online; Elsa Maxwell ; 5 cr.

52671 019 LEC, 18:00-19:55 TTh, Twin Cities Remote, Completely Online; Catalina Ahumada Escobar ; 5 cr.

1022 Alternate Second-Semester Spanish

(Student Option No Audit; Prereq: Placement above 1001 [Span 1022 is designed for students who have had two or more years of high school Spanish, or one semester of college Spanish].)

52203 002 LEC, 09:05-09:55 MTWTh, Folwell Hall 120, Partially Online; Cristina Castro ; 5 cr.

52204 003 LEC, 10:10-11:00 MTWTh, Folwell Hall 3, Partially Online; Cristina Castro ; 5 cr.

52205 005 LEC, 11:15-12:05 MTWTh, Folwell Hall 120, Partially Online; Julia Lujan ; 5 cr.
 52442 004 LEC, 10:10-11:00 MTWTh, Folwell Hall 121, Partially Online; Julia Lujan ; 5 cr.
 52443 006 LEC, 11:15-12:05 MTWTh, Folwell Hall 3, Partially Online; Meets With: 006 SPAN 4022; Marisol Galicia Estevez ; 5 cr.
 52521 007 LEC, 12:20-13:10 MTWTh, Folwell Hall 3, Partially Online; Marisol Galicia Estevez ; 5 cr.
 52522 008 LEC, 13:25-14:15 MTWTh, Folwell Hall 6, Partially Online; Marisol Galicia Estevez ; 5 cr.
 52557 010 LEC, 14:30-15:20 MTWTh, Folwell Hall 18, Partially Online; William Cornejo Moreira ; 5 cr.
 55291 001 LEC, 08:00-08:50 MTWTh, Folwell Hall 122, Partially Online; Dora Dias, ; 5 cr.
 55292 011 LEC, 15:35-16:25 MTWTh, Folwell Hall 16, Partially Online; Jacquelyn James, ; 5 cr.
 55660 012 LEC, 11:15-12:05 MTWTh, Twin Cities Remote, Completely Online; Gustavo Mori ; 5 cr.
 67701 013 LEC, 16:40-17:30 MTWTh, Twin Cities Remote, Completely Online; Gustavo Mori ; 5 cr.

1034 Business Spanish

(Student Option; Prereq: 1003)
 67223 001 LEC, 12:20-14:15 TTh, Elliott Hall N647, In Person; Michael Arnold ; 5 cr.

1044 Intermediate Medical Spanish

(Student Option; Prereq: 1003 or equiv)
 52923 001 LEC, 10:10-12:05 TTh, Folwell Hall 12, In Person; Erma Nezirevic ; 5 cr.

3011W Spanish Grammar and Composition Workshop

(Student Option; Prereq: [1004 or 1014 or 1044], LPE passWI)
 52199 001 LEC, 10:10-12:05 TTh, Nicholson Hall 355, In Person; Elsa Maxwell ; 4 cr.

3015W Spanish Composition and Communication

(Student Option; Prereq: SPAN LPE passWI)
 52194 001 LEC, 08:00-09:55 MW, Folwell Hall 8, In Person; Sara Finney ; 4 cr.
 52196 002 LEC, 10:10-12:05 TTh, Kolthoff Hall 137, In Person; Begona Orive-Abad ; 4 cr.
 52197 004 LEC, 12:20-14:15 TTh, Peik Gymnasium G65, In Person; Anne Hoffman-Gonzalez ; 4 cr.
 52198 005 LEC, 14:30-16:25 TTh, Folwell Hall 6, In Person; Michael Arnold ; 4 cr.
 52330 006 LEC, 10:10-12:05 MW, Twin Cities Remote, Completely Online; Leiry Warren ; 4 cr.
 52783 003 LEC, 12:20-14:15 MW, Kolthoff Hall 138, In Person; Sabrina Fluegel ; 4 cr.

3019W Composition and Communication for Spanish Speakers of the U.S

(Student Option; Prereq: Instructor consent (recommended SPAN 1004 Pass or SPAN LPE PassWI))
 67622 001 LEC, 14:30-16:25 MW, Folwell Hall 3, In Person; Cristina Castro ; 4 cr.

3034 Advanced Business Spanish

(Student Option; Prereq: A C- or better in SPAN 3015W or SPAN 3015V or SPAN 3019W or TLDO 3231 or ECDR 3015W or ARGN 3015W)
 52444 001 LEC, 10:10-12:05 TTh, Peik Hall 315, In Person; Anne Hoffman-Gonzalez ; 4 cr.

3044 Advanced Medical Spanish

(Student Option; Prereq: a grade of C- or better in SPAN 3015W or 3015V)
 52757 001 LEC, 12:20-14:15 TTh, Burton Hall 123, In Person; Erma Nezirevic ; 4 cr.
 65819 002 LEC, 12:20-14:15 MW, Akerman Hall 313, In Person; Erma Nezirevic ; 4 cr.

3104W Introduction to the Study of Hispanic Literatures

(Student Option; Prereq: a grade of C- or better in SPAN 3015W or 3015V or 3019WLTR,WI)
 51895 001 LEC, 09:45-11:00 MW, Folwell Hall 12, In Person; Begona Orive-Abad ; 3 cr.
 51896 002 LEC, 13:00-14:15 MW, Amundson Hall 124, In Person; Begona Orive-Abad ; 3 cr.
 52333 004 LEC, 14:30-15:45 TTh, Folwell Hall 8, In Person; Ariel Arjona Hernandez ; 3 cr.

3105W Introduction to the Study of Hispanic Cultures

(Student Option; Prereq: a grade of C- or better in SPAN 3015W or 3015V or 3019WWI)

51992 002 LEC, 11:15-12:30 MW, Folwell Hall 8, In Person; Osiris Gomez ; 3 cr.
 51993 003 LEC, 13:00-14:15 MW, Akerman Hall 317, In Person; Eva Palma Zuniga ; 3 cr.
 53079 005 LEC, 09:45-11:00 TTh, Kolthoff Hall 138, In Person; Eva Palma Zuniga ; 3 cr.
 53804 006 LEC, 13:00-14:15 TTh, Kolthoff Hall 140, In Person; Eva Palma Zuniga ; 3 cr.
 53805 007 LEC, 14:30-15:45 TTh, Folwell Hall 28, In Person; Jaime Hanneken ; 3 cr.

3107W Introduction to the Study of Hispanic Linguistics

(Student Option; Prereq: a grade of C- or better in SPAN 3015W or 3015V or 3019WWI)
 51897 003 LEC, 09:45-11:00 TTh, Kolthoff Hall 136, In Person; Alicia Ocampo ; 3 cr.
 52331 004 LEC, 14:30-15:45 MW, Folwell Hall 30, In Person; James Ramsburg ; 3 cr.
 54691 005 LEC, 13:00-14:15 TTh, Peik Hall 225, In Person; Alicia Ocampo ; 3 cr.

3222 Interpreting Modern and Contemporary Latin America

(Student Option; Prereq: A C- or better in SPAN 3104W or SPAN 3104V or TLDO 3104W or ARGN 3104W or SPAN 3105W or TLDO 3105W or SPAN 3105V)
 54339 001 LEC, 13:00-14:15 TTh, Nicholson Hall 120, In Person; Raul Marrero-Fente ; 3 cr.

3301 Advanced Oral Proficiency Workshop

(A-F only; Prereqs: Span 3104W, or 3105W, or 3107W AND Span 3211, or 3212, or 3221, or 3222, or 3502, or 3503, or 3510, or 3512, or 3701, or 3702, or 3703, or 3704, or 3706, or 3707, or 3730, or 3800, or 3910, or 3920, and oral interview required.)
 66091 001 LEC, 08:15-09:30 MW, Folwell Hall 119, In Person; Anne Hoffman-Gonzalez ; 3 cr.

3401 Latino Immigration and Community Engagement

(Student Option; Prerequisite: ARGN 3015W or ECDR 3015W or SPAN 3015 or SPAN 3015W or SPAN 3015V or TLDO 3231 or VENZ 3015CIV)
 53356 002 LEC, 14:30-17:00 W, Folwell Hall 4, In Person; Kathleen Ganley ; 3 cr.

3403 Latino Immigration on US/Mexican Border

(Student Option; CIV)
 55410 001 DIS, In Person; Kathleen Ganley ; 3 cr.

3404 Medical Spanish and Community Health Learning

(Student Option No Audit; Prereq: SPAN 3015W with grade of at least C- or better and instructor permission. Recommended one additional upper division Spanish class.)
 52924 001 LEC, 12:20-14:50 W, Twin Cities Remote, Completely Online; Gustavo Mori ; 3 cr.

3502 Modern Spain

(Student Option; Prereq: A Grade of C- or better in SPAN 3104W or TLDO 3104W or ARGN 3104W or SPAN 3105W or TLDO 3105V)
 66092 001 LEC, 14:30-15:45 MW, Folwell Hall 12, In Person; Collin Diver ; 3 cr.

3510 Issues in Hispanic Cultures

(Student Option; Prereq: A grade of C- or better in Span 3104W or Span 3105W or Tldo 3104 or Tldo 3105 or Venz 3104 or Venz 3512 or Argn 3104W or Span 3104v or Span 3105v)
 66252 001 LEC, 13:00-14:15 TTh, Nicholson Hall 315, In Person; Osiris Gomez ; 3 cr.

3512 Modern Latin America

(Student Option; Prereq: A C- or better in SPAN 3104W or SPAN 3104V or TLDO 3104W or ARGN 3104W or SPAN 3105W or TLDO 3105W or SPAN 3105V)
 52892 001 LEC, 13:00-14:15 MW, Folwell Hall 12, In Person; Luis Ramos-Garcia ; 3 cr.
 54338 002 LEC, 16:00-17:15 TTh, Folwell Hall 28, In Person; Jaime Hanneken ; 3 cr.

3702 Structure of Spanish: Morphology and Syntax

(Student Option; Prereq: A C- or better in SPAN 3107W or TLDO 3107W)
 53289 001 LEC, 11:15-12:30 TTh, Appleby Hall 223, In Person; Francisco Ocampo ; 3 cr.

3708 Spanish in the United States

(Student Option; Prereq: A C- or better in SPAN 3107W or TLDO 3107W)

54364 001 LEC, 13:00-14:15 MW, Folwell Hall 106, In Person; Carol Klee ; 3 cr.

3730 Topics in Hispanic Linguistics

(A-F only; Prereq: SPAN 3107W or TLDO 3107W or VENZ 3107 or instr consent)
 67952 001 LEC, 09:45-11:00 MW, Folwell Hall 108, In Person; Mandy Menke ; 3 cr.

3800 Film Studies in Spanish

(A-F only; Prereq: Span 3104W or Span 3105W or Tldo 3104 or Tldo 3105 or Venz 3104 or Venz 3512 or Argn 3104W or Span 3104v or Span 3105v)
 66253 001 LEC, 11:15-12:30 TTh, Folwell Hall 8, In Person; Ofelia Ferran ; 3 cr.
 67953 002 LEC, 09:45-12:45 F, Folwell Hall 30, In Person; Alejandra Takahira ; 3 cr.

3910 Topics in Spanish Peninsular Literature

(A-F or Audit; Prereq: SPAN 3104W or SPAN 3104V or TLDO 3104W or ARGN 3104W or SPAN 3105W or TLDO 3105W or SPAN 3105V or VENZ 3512 or instr consent)
 67954 001 LEC, 11:15-12:30 MW, Folwell Hall 123, In Person; Collin Diver ; 3 cr.

3920 Topics in Spanish-American Literature

(A-F or Audit; Prereq: SPAN 3104W or TLDO 3104 or VENZ 3104 or ARGN 3104W or SPAN 3105W or TLDO 3105 or VENZ 3512 or instructor consent)
 66155 001 LEC, 14:30-15:45 TTh, Folwell Hall 32, In Person; Raul Marrero-Fente ; 3 cr.

3972W Capstone Seminar

(A-F only; Prerequisite. Spanish Studies major (for those who declare Fall 2018 and after): C- or better in Span 3015w, 2 Span 31xx courses, and 4 electives with a Critical Analysis prerequisite. Spanish/Portuguese Studies Majors (for those who declared before Spring 2022): C- or better in SPAN 3015w, PORT 3003, SPAN 3104w, 3107w, 1 PORT 35xx class, 2 upper level SPAN or PORT electives. Spanish/Portuguese Studies Majors (for those who declared Spring 2022 and after): C- or better in SPAN 3015W, PORT 3003, SPAN 3104W or 3105W & 3107W, 1 PORT elective, 2 additional upper level Spanish or Portuguese electives WI)
 51890 001 LEC, 13:00-14:15 TTh, Folwell Hall 118, In Person; Timothy Face ; 3 cr.
 52827 002 LEC, 11:15-12:30 MW, Folwell Hall 107, In Person; Luis Ramos-Garcia ; 3 cr.

4002 Beginning Spanish for Graduate Student Research

(Student Option No Audit; Prereqs: A Grade of C- or better in SPAN 1001/4001 completed at UMNTC and department consent)
 53036 001 DIS, 10:10-11:00 MTWThF, Folwell Hall 31, Partially Online; Meets With: 001 SPAN 1002; Cecily Brown ; 5 cr.
 54210 002 DIS, 11:15-12:05 MTWThF, Folwell Hall 32, Partially Online; Meets With: 002 SPAN 1002; Cecily Brown ; 5 cr.
 54211 003 DIS, 13:25-14:15 MTWThF, Folwell Hall 112, Partially Online; Meets With: 003 SPAN 1002; Cecily Brown ; 5 cr.
 54291 004 DIS, 15:35-17:30 MW, Folwell Hall 104, Partially Online; Meets With: 004 SPAN 1002; Elizabeth Lake ; 5 cr.

4004 Intermediate Spanish for Graduate Student Research

(Student Option No Audit;)
 53332 010 DIS, 11:15-12:05 MTWTh, Folwell Hall 122, Partially Online; Meets With: 010 SPAN 1004; Adriana Sanchez-Vargas ; 5 cr.

4022 Alternate Second-Semester Spanish for Graduate Student Research

(Student Option No Audit;)
 68746 006 DIS, 11:15-12:05 MTWTh, Folwell Hall 3, Partially Online; Meets With: 006 SPAN 1022; Marisol Galicia Estevez ; 5 cr.

5150 Contemporary Spanish Literature

(Student Option; Prereq: Grad student or instr consent)
 66093 001 LEC, 14:30-17:30 Th, Folwell Hall 107, In Person; Ofelia Ferran ; 3 cr.

5160 Medieval Iberian Literatures and Cultures

(Student Option;)

66094 001 LEC, 14:00-17:00 M, Bruininks Hall 420A, In Person; Michelle Hamilton ; 3 cr.

5701 History of Ibero-Romance

(Student Option; Prereq: Grad student or instr consent)
66096 001 LEC, 13:00-14:15 TTh, Folwell Hall 119, In Person; Francisco Ocampo ; 3 cr.

5721 Spanish Laboratory Phonology

(A-F or Audit; Prereq: Grad student or instr consent)
66095 001 LEC, 11:15-12:30 TTh, Folwell Hall 107, In Person; Timothy Face ; 3 cr.

5993 Directed Studies

(Student Option; Prereq: Grad student or instr consent.)
52606 002 IND, 00:00-00:00 , , In Person; Jaime Hanneken ; 1-4 cr.
53695 003 IND, In Person; Ofelia Ferran ; 1-4 cr.

5994 Directed Research

(Student Option; Prereq: Grad student or instr consent)
52707 001 IND, 00:00-00:00 , , In Person; 1-4 cr.
52719 002 IND, 00:00-00:00 , , In Person; 1-4 cr.

Spanish and Portuguese (SPPT)

3601 'Race' in Brazil & Latin America

(Student Option;)
66097 001 LEC, 09:45-11:00 TTh, Folwell Hall 116, In Person; Ana Paula Ferreira ; 3 cr.

Speech-Language-Hearing Sci (SLHS)

1301V Physics and Biology of the Voice Honors

(Student Option; PHYS,WI)
53546 001 LEC, 15:00-16:15 TTh, Shevlin Hall 110, In Person; Meets With: 001 SLHS 1301W; Matthew Winn ; 4 cr.
53692 002 LAB, 09:45-11:15 M, Shevlin Hall 125, In Person; Meets With: 002 SLHS 1301W; Eugene Wong ; 4 cr.

1301W Physics and Biology of the Voice

(Student Option; PHYS,WI)
51696 001 LEC, 15:00-16:15 TTh, Shevlin Hall 110, In Person; Meets With: 001 SLHS 1301V; Matthew Winn ; 4 cr.
51697 002 LAB, 09:45-11:15 M, Shevlin Hall 125, Primarily Online; Meets With: 002 SLHS 1301V; Eugene Wong ; 4 cr.
51698 003 LAB, 08:15-09:45 T, Shevlin Hall 20, Primarily Online; 4 cr.
51699 004 LAB, 11:15-12:45 W, Shevlin Hall 20, Primarily Online; 4 cr.

1302 Rate Your World: Quantifying Judgments of Human Behavior

(Student Option; MATH)
52798 001 LEC, 10:10-11:00 TTh, Shevlin Hall 110, In Person; Yang Zhang ; 3 cr.
53002 002 DIS, 13:00-14:00 T, Shevlin Hall 110, In Person; Yang Zhang ; 3 cr.

1401 Introduction to Speech-Language Pathology & Audiology

(Student Option; SOCS)
51700 001 LEC, 11:15-12:30 TTh, Shevlin Hall 110, In Person; Meets With: 001 SLHS 3401; Jayanthi Sasisekaran ; 3 cr.

1916 The Singing Voice Through the Centuries

(A-F only;)
68279 001 DIS, 14:30-15:45 MW, Shevlin Hall 20, In Person; Peter Watson ; 3 cr.

3303 Language Acquisition and Science

(Student Option;)
53310 001 LEC, 09:45-11:00 TTh, Nicholson Hall 35, In Person; Olivia Mathys ; 3 cr.

3304 Phonetics

(Student Option;)
53305 001 LEC, 13:00-14:15 TTh, Shevlin Hall 20, In Person; Benjamin Munson ; 3 cr.

3306 The Sense of Hearing

(Student Option; Prereq: [3302, 3305W] or instr consent)
51732 001 LEC, 09:45-11:00 MW, Peik Gymnasium G55, In Person; Robert Schlauch ; 3 cr.

3401 Introduction to Speech-Language Pathology & Audiology

(Student Option; SOCS)
52507 001 LEC, 11:15-12:30 TTh, Shevlin Hall 110, In Person; Meets With: 001 SLHS 1401; Jayanthi Sasisekaran ; 3 cr.

3402V Capstone Project in Speech-Language-Hearing Sciences Honors

(A-F only; WI)
53606 001 LEC, 13:00-14:15 MW, Shevlin Hall 20, In Person; Meets With: 001 SLHS 3402W; Jayanthi Sasisekaran ; 3 cr.

3402W Capstone Project in Speech-Language-Hearing Sciences

(S-N or Audit; WI)
53303 001 LEC, 13:00-14:15 MW, Shevlin Hall 20, In Person; Meets With: 001 SLHS 3402V; Jayanthi Sasisekaran ; 3 cr.

3994 Directed Research

(Student Option; Prereq: Undergrad doing research)
52999 001 IND, 00:00-00:00 , , In Person; 1-12 cr.
53000 002 IND, 00:00-00:00 , , In Person; 1-12 cr.
53001 003 IND, 00:00-00:00 , , In Person; 1-12 cr.
53240 004 IND, 00:00-00:00 , , In Person; 1-12 cr.
53241 005 IND, 00:00-00:00 , , In Person; 1-12 cr.
53242 006 IND, 00:00-00:00 , , In Person; Benjamin Munson ; 1-12 cr.
53243 007 IND, 00:00-00:00 , , In Person; Peggy Nelson ; 1-12 cr.
53244 008 IND, 00:00-00:00 , , In Person; 1-12 cr.
53245 009 IND, 00:00-00:00 , , In Person; 1-12 cr.
53246 010 IND, 00:00-00:00 , , In Person; Jayanthi Sasisekaran ; 1-12 cr.
53247 011 IND, 00:00-00:00 , , In Person; Robert Schlauch ; 1-12 cr.
53248 012 IND, 00:00-00:00 , , In Person; Peter Watson ; 1-12 cr.
53249 013 IND, 00:00-00:00 , , In Person; 1-12 cr.
53250 014 IND, 00:00-00:00 , , In Person; Yang Zhang ; 1-12 cr.
53319 015 IND, 00:00-00:00 , , In Person; 1-12 cr.
53320 016 IND, 00:00-00:00 , , In Person; Lizbeth Finestack ; 1-12 cr.

4802 Clinical Methods for Treating Hearing Disorders

(Student Option;)
53361 001 LEC, 11:15-12:30 TTh, Shevlin Hall 20, In Person; Evelyn Davies-Venn ; 3 cr.

5502 Voice and Cleft Palate

(Student Option; Prereq: [3305, 4301] or [CDIs 3305, CDIs 4301] or instr consent)
53302 001 LEC, 09:00-10:15 MW, Shevlin Hall 20, In Person; Peter Watson ; 3 cr.

5504 Evaluation and Management of Dysphagia

(Student Option;)
68280 001 LEC, 07:30-10:00 T, Shevlin Hall 110, In Person; Katlyn McGrattan ; 3 cr.

5605 Language and Cognitive Disorders in Adults

(Student Option; Prereq: [3302, 4301] or [CDIs 3302, CDIs 4301] or instr consent)
52788 001 LEC, 08:00-10:30 Th, Shevlin Hall 20, In Person; Jane Prasse ; 3 cr.

5609 Child Language Disorders in Diverse Populations

(Student Option;)
54002 001 DIS, 09:00-11:30 F, Shevlin Hall 110, In Person; Kerry Ebert ; 3 cr.

5804 Cochlear Implants

(A-F or Audit; Prereq: [[4802, 5801, 5802] or [CDIS 4802, CDIS 5801, CDIS 5802], SLHS grad] or instr consent)
68078 001 LEC, 13:30-16:20 M, Shevlin Hall 110, In Person; Matthew Winn ; 3 cr.

5810 Laboratory Module in Audiology

(A-F only; Prereq: [4801 or CDIS 4801, SLHS grad] or instr consent)
51701 001 LAB, 08:00-09:30 M, Shevlin Hall 120, In Person; Kerry Witherell ; 1-2 cr.
53923 002 LAB, 09:30-11:00 M, Shevlin Hall 120, In Person; Kerry Witherell ; 1-2 cr.
68213 003 LAB, 11:00-12:30 M, Shevlin Hall 120, In Person; Kerry Witherell ; 1-2 cr.

5820 Clinical Research and Practice: Grand Rounds

(S-N or Audit; Prereq: [[4801 or CDIS 4801 or equiv], SLHS grad] or instr consent)
52799 001 DIS, 10:00-11:30 F, Shevlin Hall 20, In Person; Kerry Witherell ; 1-6 cr.

5830 Clinical Foundations in Audiology

(S-N or Audit; Prereq: Grad SLHS major)
53932 001 FWK, 00:00-00:00 , , In Person; 1-8 cr.

5900 Topics in SLHS

(Student Option; Prereq: SLHS grad student or instr consent)
68298 001 LEC, 07:00-08:45 W, Shevlin Hall 20, In Person; Katlyn McGrattan ; 2 cr.

5993 Directed Study

(Student Option; Prereq: SLHS grad or instr consent)
Students enrolling in this directed study/research course will complete the University's common Directed Study/Research contract with the faculty mentor/evaluator. The Faculty member will ensure academic standards are upheld, including: *the work proposed is at the appropriate level for the course, academic in nature, and the student will be involved intellectually in the project. *the project scope is reasonable for one semester and the number of credits specified (42 hours of work per credit) *the faculty mentor is qualified to serve in this role *assessment of student learning and grading criteria are clear and appropriate *the student will be working in a respectful, inclusive environment)
53321 017 IND, 00:00-00:00 , , In Person; Lizbeth Finestack ; 1-12 cr.

Sport Management (SMGT)

1701 Introduction to Sport Management

(A-F or Audit;)
50517 001 LEC, 09:45-11:00 TTh, Nicholson Hall 155, In Person; Kevin King ; 2 cr.

3111 Sports Facility and Event Management

(A-F only; Prereq: SMGT major or SMGT minor or CEHD IDP or instructor consent and 45 credits completed or in progress.)
50762 001 LEC, 09:45-11:00 MW, Cooke Hall 214, In Person; Leila Riley ; 3 cr.
51127 002 LEC, 08:15-09:30 MW, Cooke Hall 206, In Person; Cody Mikl ; 3 cr.

3143 Organization and Management of Sport

(A-F only; Prereq: SMGT major or SMGT minor or CEHD IDP or instructor consent, and 45 credits completed or in progress.)
50784 001 LEC, 13:00-14:15 MW, Cooke Hall 206, In Person; Kevin King ; 3 cr.
51303 002 LEC, 09:45-11:00 MW, Nicholson Hall 125, In Person; Landy Lu ; 3 cr.

3421 Business of Sport

(A-F or Audit; Prereq: SMGT or KIN or REC major or SMGT minor or CEHD IDP or instructor consent and 45 credits completed or in progress.)
51239 002 LEC, 13:00-14:15 TTh, Akerman Hall 209, In Person; Kevin King ; 3 cr.
51634 001 LEC, 09:45-11:00 TTh, Cooke Hall 206, In Person; Michael Jonas ; 3 cr.

3501 Sport in a Diverse Society

(A-F only; DSJ,SOCS)
50785 001 LEC, 11:15-12:30 TTh, Cooke Hall 206, In Person; Meets With: 001 SMGT 3501H; Vicki Schull ; 3 cr.
50811 002 LEC, 08:15-09:30 TTh, Cooke Hall 214, In Person; Courtney Boucher ; 3 cr.
51121 005 LEC, 13:00-14:15 TTh, Cooke Hall 214, In Person; Vicki Schull ; 3 cr.
51172 004 LEC, 08:15-09:30 MW, Cooke Hall 214, In Person; Leo Lewis ; 3 cr.

3501H Sport in a Diverse Society: Honors

(A-F only; Prereq: Honors student DSJ,SOCS)
51360 001 LEC, 11:15-12:30 TTh, Cooke Hall 206, In Person; Meets With: 001 SMGT 3501; Vicki Schull ; 3 cr.

3601 Ethics and Values in Sport

(A-F or Audit; Prereq: SMGT major or minor and 60 credits completed or in progress)
50361 001 LEC, 12:35-14:15 W, Rapson Hall 56, In Person; Mitchell McSweeney ; 2 cr.

3631 Sport Marketing

(A-F only; Prereq: SMGT Major or SMGT Minor, or instructor consent AND 45 credits completed or in progress.)

51427 001 LEC, 11:15-12:30 TTh, Akerman Hall 209, In Person; Clinton Warren, PhD; 3 cr.

3632 Sport Sales and Fund-raising

(A-F only; Prereq: Sport Management major or minor or instr consent)

50869 001 LEC, 08:15-09:30 TTh, Cooke Hall 206, In Person; Clinton Warren, PhD; 3 cr.

3861 Sport and Recreation Law

(A-F only; Prereq: SMGT major or REC major or SMGT minor or Health and Wellness Promotion minor and 60 credits completed or in progress.)

50362 001 LEC, 16:00-17:15 TTh, Akerman Hall 225, In Person; Andrew Nelson; 3 cr.

3881W Senior Seminar in Sport Management

(A-F or Audit; WI)

50359 001 LEC, 14:30-17:00 M, Cooke Hall 214, In Person; Mitchell McSweeney; 3 cr.

51101 002 LEC, 16:40-19:10 M, Cooke Hall 206, In Person; Leila Riley; 3 cr.

3993 Directed Study in Sport Management

(A-F only;)

50896 002 IND, Independent/Directed Study; Vicki Schull; 1-4 cr.

50897 001 IND, 00:00-00:00 , Independent/Directed Study; Lisa Kihl; 1-4 cr.

51443 003 IND, In Person; Clinton Warren, PhD; 1-4 cr.

67713 004 IND, In Person; Nicole LaVoi; 1-4 cr.

67714 005 IND, In Person; Landy Lu; 1-4 cr.

67715 006 IND, In Person; Kevin King; 1-4 cr.

67716 007 IND, In Person; Dunja Antunovic; 1-4 cr.

67717 008 IND, In Person; Mitchell McSweeney; 1-4 cr.

3996 Practicum: The Sport Experience

(S-N only; Prereq: 3881, SMGT major, instr consent)

50360 001 FWK, 00:00-00:00 , In Person; Kevin King; 2-8 cr.

Statistics (STAT)**1001 Introduction to the Ideas of Statistics**

(Student Option; Prereq: Mathematics requirement for admission to UniversityMATH)

51719 001 LEC, 10:10-11:00 MWF, Armory Building 202, In Person; Georgia(Zhuozhi) Huang; 4 cr.

52675 002 DIS, 10:10-11:00 T, Bruininks Hall 131A, In Person; 4 cr.

3011 Introduction to Statistical Analysis

(Student Option; MATH)

51720 001 LEC, 11:15-12:05 MWF, West Bank Skyway 20, 17:00-18:30 Th, West Bank Skyway 20, 17:00-18:30 Th, West Bank Skyway 20, In Person; Barbara Kuzmak; 4 cr.

51721 002 DIS, 08:00-08:50 T, Ford Hall 151, In Person; 4 cr.

51722 003 DIS, 09:05-09:55 T, Vincent Hall 2, In Person; 4 cr.

51723 004 DIS, 10:10-11:00 T, Vincent Hall 2, In Person; 4 cr.

51724 005 DIS, 11:15-12:05 T, Vincent Hall 2, In Person; 4 cr.

51725 006 LEC, 08:00-08:50 MWF, Vincent Hall 16, 17:00-18:30 Th, Bruininks Hall 220, 17:00-18:30 Th, Bruininks Hall 220, In Person; Barbara Kuzmak; 4 cr.

51726 007 DIS, 10:10-11:00 T, Vincent Hall 1, In Person; 4 cr.

51727 008 DIS, 08:00-08:50 T, Ford Hall 127, In Person; 4 cr.

52253 009 DIS, 09:05-09:55 T, Vincent Hall 1, In Person; 4 cr.

52254 010 DIS, 12:20-13:10 T, Vincent Hall 20, In Person; 4 cr.

52255 011 LEC, 12:20-13:10 MWF, Vincent Hall 16, 17:00-18:30 Th, Smith Hall 100, 17:00-18:30 Th, Smith Hall 100, In Person; Eugenie Ngandjeu Nya; 4 cr.

52256 012 DIS, 14:30-15:20 T, Vincent Hall 1, In Person; 4 cr.

54120 013 DIS, 13:25-14:15 T, Vincent Hall 20, In Person; 4 cr.

54121 014 DIS, 11:15-12:05 T, Vincent Hall 1, In Person; 4 cr.

54122 015 DIS, 15:35-16:25 T, Mechanical Engineering 25, In Person; 4 cr.

54123 016 LEC, 10:10-11:00 MWF, Vincent Hall 16, 17:00-18:30 Th, Amundson Hall B75, 17:00-18:30 Th,

Amundson Hall B75, In Person; Eugenie Ngandjeu Nya; 4 cr.

54124 017 DIS, 10:10-11:00 T, Mechanical Engineering 102, In Person; 4 cr.

54125 018 DIS, 09:05-09:55 T, Ford Hall 130, In Person; 4 cr.

55332 019 DIS, 11:15-12:05 T, Akerman Hall 313, In Person; 4 cr.

55333 020 DIS, 12:20-13:10 T, Vincent Hall 2, In Person; 4 cr.

55334 021 DIS, 12:20-13:10 T, Vincent Hall 2, In Person; 4 cr.

3021 Introduction to Probability and Statistics

(Student Option; Prereq: Math 1272)

55185 001 LEC, 11:15-12:05 MWF, Blegen Hall 10, In Person; Yuyoung Park; 3 cr.

55186 002 LEC, 09:05-09:55 MWF, Nicholson Hall 275, In Person; Yuyuan Wang; 3 cr.

55187 003 LEC, 10:10-11:00 MWF, Anderson Hall 270, In Person; Yuyoung Park; 3 cr.

55334 004 LEC, 12:20-13:10 MWF, Amundson Hall B75, In Person; Fikri Goksu; 3 cr.

55335 005 LEC, 13:25-14:15 MWF, , In Person; Eugenie Ngandjeu Nya; 3 cr.

3021H Introduction to Probability and Statistics Honors

(Student Option; Prereq: Math 1272)

67702 001 LEC, 12:20-13:10 MWF, Keller Hall 3-210, In Person; Kazeem Adepoju; 3 cr.

3022 Data Analysis

(Student Option; Prereq: 3011 or 3021 or SOC 3811)

51728 001 LEC, 10:10-11:00 MWF, Mechanical Engineering 108, In Person; Arnold Johnsen; 4 cr.

51729 002 DIS, 10:10-11:00 T, Ford Hall 130, In Person; 4 cr.

52553 003 DIS, 11:15-12:05 T, Ford Hall 130, In Person; 4 cr.

52553 003 DIS, 11:15-12:05 T, Ford Hall 130, In Person; 4 cr.

3032 Regression and Correlated Data

(Student Option; Prereq: STAT 3011 or STAT 3021)

53984 001 LEC, 11:15-12:05 MWF, Bruininks Hall 432, In Person; Robert Vandenberg; 4 cr.

53985 002 DIS, 10:10-11:00 T, Mechanical Engineering 321, In Person; 4 cr.

53986 003 DIS, 11:15-12:05 T, Ford Hall 110, In Person; 4 cr.

53987 004 LEC, 14:30-15:20 MWF, Mechanical Engineering 108, In Person; Georgia(Zhuozhi) Huang; 4 cr.

53988 005 DIS, 12:20-13:10 T, Ford Hall 130, In Person; 4 cr.

53989 006 DIS, 14:30-15:20 T, Mechanical Engineering 321, In Person; 4 cr.

3301 Regression and Statistical Computing

(A-F only; Prereq: Stat 3021 and (CSci 1113 or CSci 1133), and co-requisite (CSci 2033 or Math 2142 or Math 2243 or Math 2373))

55636 001 LEC, 12:20-13:10 MWF, Ford Hall 115, In Person; Jiaying Zhou; 4 cr.

55637 002 LAB, 08:00-08:50 W, Ford Hall 115, In Person; 4 cr.

55637 002 LAB, 08:00-08:50 W, Ford Hall 115, In Person; 4 cr.

3701 Introduction to Statistical Computing

(A-F only; Prerequisites: (MATH 1272 or 1372 or 1572H), CSCI 1113, and STAT 3032)

53990 001 LEC, 13:25-14:15 MWF, Lind Hall 302, In Person; Yuefei Shen; 4 cr.

54316 002 LAB, 15:35-16:25 Th, Ford Hall 115, In Person; 4 cr.

54434 003 LAB, 16:40-17:30 Th, Ford Hall 115, In Person; 4 cr.

4051 Applied Statistics I

(A-F or Audit; Prerequisites: (STAT 3701 or STAT 3301) and (STAT 4101 or STAT 5101 or MATH 5651))

53940 001 LEC, 10:10-11:00 MWF, Bruininks Hall 131B, In Person; Kazeem Adepoju; 4 cr.

53941 002 DIS, 10:10-11:00 T, Bruininks Hall 412, In Person; 4 cr.

4052 Introduction to Statistical Learning

(A-F only; Prerequisites: STAT 4051 and (STAT 4102 or STAT 5102))

53942 001 LEC, 10:10-11:00 MWF, Akerman Hall 319, In Person; Christina Zhao; 4 cr.

53943 002 DIS, 10:10-11:00 T, Armory Building 116, In Person; 4 cr.

4101 Theory of Statistics I

(Student Option; Prereq: Math 1272 or Math 1372 or Math 1572H)

53869 001 LEC, 14:30-15:20 MWF, Ford Hall B10, In

Person; Yuhong Yang; 4 cr.

53870 002 DIS, 13:25-14:15 T, Keller Hall 2-260, In Person; 4 cr.

4102 Theory of Statistics II

(Student Option; Prereq: 4101)

51835 001 LEC, 14:30-15:20 MWF, Molecular Cellular Biol 3-120, In Person; Tiefeng Jiang; 4 cr.

55052 002 DIS, 13:25-14:15 T, Vincent Hall 1, In Person; 4 cr.

55337 003 DIS, 14:30-15:20 T, Ford Hall 127, In Person; 4 cr.

4893W Consultation and Communication for Statisticians

(A-F only; Prereq: Senior Statistics Major(WI))

52445 001 LEC, 13:25-14:15 MWF, Mechanical Engineering 25, In Person; Georgia(Zhuozhi) Huang; 3 cr.

5021 Statistical Analysis

(Student Option; Prereq: college algebra or instr consent; credit will not be granted if credit has been received for STAT 3011)

51730 001 LEC, 10:10-11:00 MWF, Mechanical Engineering 102, In Person; Lu Yang; 4 cr.

51731 002 DIS, 10:10-11:00 Th, Mechanical Engineering 102, In Person; 4 cr.

55394 883 LEC, 10:10-11:00 MWF, Twin Cities Remote, Completely Online; Lu Yang; 4 cr.

55395 884 DIS, 10:10-11:00 Th, Twin Cities Remote, Completely Online; 4 cr.

5052 Statistical and Machine Learning

(A-F only;)

55339 001 LEC, 09:05-09:55 MWF, Vincent Hall 213, In Person; Lan Liu; 3 cr.

5101 Theory of Statistics I

(Student Option; Prereq: (MATH 2263 or MATH 2374 or MATH 2573H), (MATH 2142, CSCI 2033 or MATH 2373 or MATH 2243))

53871 001 LEC, 09:05-09:55 MWF, Mechanical Engineering 108, In Person; Tiefeng Jiang; 4 cr.

53872 002 DIS, 09:05-09:55 T, Mechanical Engineering 102, In Person; 4 cr.

53873 003 DIS, 08:00-08:50 T, Mechanical Engineering 102, In Person; 4 cr.

55399 883 LEC, 09:05-09:55 MWF, Twin Cities Remote, Completely Online; Tiefeng Jiang; 4 cr.

55400 884 DIS, 08:00-08:50 T, Twin Cities Remote, Completely Online; Tiefeng Jiang; 4 cr.

5102 Theory of Statistics II

(Student Option; Prereq: 5101 or Math 5651)

51836 001 LEC, 15:35-16:25 MWF, Keller Hall 3-230, In Person; Qian Qin; 4 cr.

52686 003 DIS, 13:25-14:15 T, Civil Engineering Bldg 212, In Person; 4 cr.

54773 883 LEC, 15:35-16:25 MWF, Twin Cities Remote, Completely Online; Qian Qin; 4 cr.

54774 884 DIS, 15:35-16:25 T, Twin Cities Remote, Completely Online; Qian Qin; 4 cr.

55366 002 DIS, 15:35-16:25 T, Keller Hall 3-115, In Person; 4 cr.

5302 Applied Regression Analysis

(Student Option; Prereq: 3032 or 3022 or 4102 or 5021 or 5102 or instr consent Please note this course generally does not count in the Statistical Practice BA or Statistical Science BS degrees. Please consult with a department advisor with questions.)

65723 001 LEC, 13:25-14:15 MWF, Vincent Hall 1, In Person; Kazeem Adepoju; 4 cr.

65724 002 DIS, 13:25-14:15 Th, Vincent Hall 1, In Person; 4 cr.

5303 Designing Experiments

(Student Option; Prereq: 3022 or 3032 or 3301 or 4102 or 5021 or 5102 or instr consent)

51752 001 LEC, 12:20-13:10 MWF, Mechanical Engineering 212, In Person; Gary Oehlert; 4 cr.

52242 002 DIS, 12:20-13:10 T, Armory Building 202, In Person; 4 cr.

5401 Applied Multivariate Methods

(Student Option; Prerequisite of this course, students are encouraged to have familiarity with linear algebra prior to enrolling. Please consult with a department advisor with questions.)

52994 001 LEC, 11:15-12:05 MWF, Mechanical Engineering 108, In Person; Xiaou Li; 3 cr.

54775 883 LEC, 11:15-12:05 MWF, Twin Cities Remote, Completely Online; Xiaou Li; 3 cr.

5601 Nonparametric Methods

(Student Option; Prereq: Stat classes 3032 or 3022 or 4102 or 5021 or 5102 or instr consent)
55340 001 LEC, 13:25-14:15 MWF, Twin Cities Remote, Completely Online; Nathaniel Helwig ; 3 cr.

5993 Tutorial

(Student Option; Prereq: instr consent)
52282 001 IND, 00:00-00:00 , , In Person; 1-6 cr.

Stem Cell Biology (SCB)**5054 Stem Cell Institute Research Seminar and Journal Club**

(A-F or Audit; Prereq: Acceptance into stem cell biology [master's prog or PhD minor prog] or instr consent)
68401 001 LEC, 16:00-17:00 MW, Amundson Hall 116, In Person; Susan Keirstead ; 2 cr.

Studies in Cinema Media Cultur (SCMC)**1201W Cinema**

(Student Option; AH,WI)
52804 001 LEC, 11:15-14:15 T, Willey Hall 125, In Person; Meets With: 001 CSCL 1201W001 SCMC 1201V001 CSCL 1201V; Margaret Hennefeld ; 4 cr.
53903 002 DIS, 09:05-09:55 T, Folwell Hall 32, In Person; Meets With: 002 CSCL 1201W; Daniel Aufmann ; 4 cr.
53904 003 DIS, 10:10-11:00 T, Folwell Hall 106, In Person; Meets With: 003 CSCL 1201W; Alexander Harasymiw ; 4 cr.
53905 004 DIS, 10:10-11:00 W, Ford Hall 150, In Person; Meets With: 004 CSCL 1201W; Daniel Aufmann ; 4 cr.
53906 005 DIS, 11:15-12:05 W, Wulling Hall 220, In Person; Meets With: 005 CSCL 1201W; Alexander Harasymiw ; 4 cr.
53996 006 DIS, 10:10-11:00 Th, Folwell Hall 106, In Person; Meets With: 006 CSCL 1201W; Nicholas Henderson ; 4 cr.
66475 007 DIS, 11:15-12:05 Th, Kolthoff Hall 135, In Person; Meets With: 007 CSCL 1201W; Nicholas Henderson ; 4 cr.

1202W Media: Word, Image, Sound

(Student Option; AH,WI,TS)
53897 001 LEC, 13:00-14:15 TTh, Nicholson Hall 275, In Person; Meets With: 001 CSCL 1202W; Graeme Stout ; 4 cr.
53898 002 DIS, 09:05-09:55 M, Folwell Hall 116, In Person; Meets With: 002 CSCL 1202W; MT MT ; 4 cr.
53899 003 DIS, 10:10-11:00 M, Nicholson Hall 120, In Person; Meets With: 003 CSCL 1202W; MT MT ; 4 cr.
53901 004 DIS, 10:10-11:00 W, Amundson Hall 104, In Person; Meets With: 004 CSCL 1202W; Jordan Brown ; 4 cr.
53902 005 DIS, 09:05-09:55 W, Folwell Hall 116, In Person; Meets With: 005 CSCL 1202W; Jordan Brown ; 4 cr.
54454 006 DIS, 10:10-11:00 F, , In Person; Meets With: 006 CSCL 1202W; MT MT ; 4 cr.

3201 Fundamentals of Digital Filmmaking (A-F only ;)

54708 001 LAB, 13:25-15:20 MW, Burton Hall 123, In Person; James Snapko ; 4 cr.

3202 Intermediate Digital Filmmaking (A-F only; Prereq: 3201 or instr consent)

53659 001 LAB, 17:45-21:05 W, Nicholson Hall 125, In Person; James Snapko ; 4 cr.

3211 Global and Transnational Cinemas (Student Option; GP)

55546 001 LEC, 09:45-12:45 Th, Blegen Hall 415, 09:45-11:00 T, Blegen Hall 415, In Person; Meets With: 001 CSCL 3211; Keya Ganguly ; 4 cr.

3212W Documentary Cinema: History and Politics

(Student Option No Audit; AH,WI,CIV)
54678 001 LEC, 16:00-19:00 W, Campbell Hall 1, In Person; Meets With: 001 CSCL 3212W; Ricardo Velasco Trujillo ; 4 cr.

3220W Screen Cultures

(Student Option; AH,WI,TS)
54013 001 LEC, 09:45-12:15 F, Campbell Hall 1, In Person; Meets With: 001 CSCL 3220W; Matthew Henseler ; 3 cr.

3221 On Television (Student Option; CIV)

54776 001 LEC, Completely Online; Meets With: 001 CSCL 3221; Brad Stiffler ; 3 cr.

3896 Internship for Academic Credit (Student Option;)

54686 001 FWK, In Person; Graeme Stout ; 1-4 cr.

3993 Directed Study (Student Option;)

53616 001 IND, 00:00-00:00 , , In Person; Cesare Casarino ; 1-3 cr.

4993 Directed Study (Student Option;)

53617 001 IND, 00:00-00:00 , , Independent/Directed Study; Cesare Casarino ; 1-3 cr.

5002 Advanced Film Analysis (A-F only;)

54297 001 LEC, 16:00-18:30 W, Twin Cities Remote, Completely Online; Michelle Lekas ; 4 cr.

5993 Directed Study (Student Option;)

53618 001 IND, 00:00-00:00 , , Independent/Directed Study; Cesare Casarino ; 1-3 cr.

Study Abroad in Argentina (ARGN)**Study Abroad in Dublin (DBLN)****Study Abroad in Florence (FLOR)****Study Abroad in London (LNDN)****Study Abroad in Montpellier (MONT)****Study Abroad in Sydney (SDNY)****Supply Chain and Operations (SCO)****3001 Sustainable Supply Chain and Operations (A-F or Audit;)**

57108 001 LEC, 08:15-09:30 TTh, Hanson Hall 1-104, In Person; Hailong Cui ; 3 cr.
57109 002 LEC, 09:45-11:00 TTh, Hanson Hall 1-106, In Person; Hailong Cui ; 3 cr.
57110 003 LEC, 09:45-11:00 MW, Hanson Hall 1-106, In Person; Natalie Huang ; 3 cr.
57111 004 LEC, 13:00-14:15 TTh, Hanson Hall 1-104, In Person; Hailong Cui ; 3 cr.
57112 005 LEC, 14:30-15:45 MW, Hanson Hall 1-104, In Person; Natalie Huang ; 3 cr.
57151 006 LEC, 13:00-14:15 MW, Hanson Hall 1-106, In Person; David Quimby ; 3 cr.
57304 007 LEC, 11:50-13:05 MW, Carlson School of Mgmt 2-213, In Person; Hanu Tyagi ; 3 cr.
57458 008 LEC, 16:00-17:15 TTh, Hanson Hall 1-107, In Person; Yeon Joo Lee ; 3 cr.

3045 Sourcing and Supply Management (A-F only; Prereq: 3001)

57113 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt L-114, In Person; Natalie Huang ; 2 cr.

3048 Transportation and Logistics Management (A-F only; Prereq: 3001)

57189 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 1-123, In Person; Sunil Singh ; 2 cr.
57459 002 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 2-213, In Person; Sunil Singh ; 2 cr.

3056 Supply Chain Planning and Control (A-F or Audit; Prereq: 3001 or instr consent)

57114 001 LEC, 13:45-15:25 MW, Hanson Hall 1-107, In Person; Gregory Good ; 4 cr.

3059 Quality Management and Lean Six Sigma

(A-F or Audit; Prereq: 3001 or equiv or instr consent)
57115 001 LEC, 16:00-17:40 MW, Hanson Hall 1-107, In Person; Steven Huchendorf ; 4 cr.

3072 Managing Technologies in the Supply Chain

(A-F only; Prereq: 3001)
57116 001 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 2-213, In Person; Sunil Singh ; 2 cr.
57460 002 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 1-123, In Person; Sunil Singh ; 2 cr.

4065W Supply Chain and Operations Strategy

(A-F only; Prereq: 3001, 3056, 3059, 4 [OMS or SCO] elective crWI)
57117 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt L-118, In Person; David Quimby ; 4 cr.
57221 002 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 1-142, In Person; David Quimby ; 4 cr.

Sustainability Studies (SUST)**3003 Sustainable People, Sustainable Planet**

(Student Option; Prereq: Soph or jr or srENV)
56230 001 LEC, 09:45-11:00 TTh, Willey Hall 125, Primarily Online; Sumil Thakrar ; 3 cr.

3017 Environmental Justice (A-F only; DSJ)

56365 001 LEC, 09:45-11:00 MW, Blegen Hall 240, In Person; Michelle Garvey ; 3 cr.

4004 Sustainable Communities

(A-F only; Prereq: [3003 or GLOS 3304, [jr or sr] in sustainability studies minor] or instr consent)
56227 001 LEC, 14:30-15:45 TTh, Bruininks Hall 131B, In Person; Carley Rice, Joseph Hang ; 3 cr.

4096 Sustainability Internship

(A-F only; Prereq: Familiarity with sustainability concepts through academic work or other experiences)
56337 001 DIS, 16:00-17:15 Th, Bruininks Hall 123, In Person; Mary Hannemann ; 2-4 cr.

Sustainable Agricultural Syst (SAGR)**4096 Professional Experience Program: Internship in Sustainable Agriculture (S-N or Audit; Prereq: Undergraduate minor in sustainable agriculture)**

56317 001 LEC, 00:00-00:00 , , In Person; Craig Sheaffer ; 1-3 cr.

Sustainable Systems Management (SSM)**3093 Directed Study**

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)
56635 001 IND, In Person; 1-4 cr.

3094 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)
56636 001 IND, In Person; 1-4 cr.

3301 Global Water Resource Use and Sustainability

(Student Option; ENV)
56322 001 LEC, Completely Online; Gary Sands, Laura Bender ; 3 cr.

4504W Sustainable Products Systems Management

(A-F only; Prereq: Jr or Sr or instr consentWI)
56152 001 LEC, 08:45-10:00 MW, Kaufert Laboratory 302, In Person; Meets With: 001 SSM 5504; Omar Espinoza ; 3 cr.

4506W Sustainable Systems Management Capstone

(A-F only; Prereq: **ESPM 3603** concurrent registration is required (or allowed) in Major seniors within two semesters of graduation.WI)

56323 001 DIS, 14:15-17:15 W, Biosystems & Ag Eng Bldg 308, In Person; Abdennour ABBAS, Natalie Hunt ; 3 cr.

4618 Building Science II: Applications

(A-F or Audit; Prereq: **SSM 4616/SSM 5616**)

66208 001 LEC, 15:00-16:30 TTh, Kaufert Laboratory 302, In Person; Meets With: 001 SSM 5618; Patrick Huelman ; 3 cr.

5093 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)

56637 001 IND, In Person; 1-4 cr.

5094 Directed Research

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)

56638 001 IND, In Person; 1-4 cr.

5504 Sustainable Products Systems

Management

(A-F only;)

56155 001 LEC, 08:45-10:00 MW, Kaufert Laboratory 302, In Person; Meets With: 001 SSM 4504W; Omar Espinoza ; 3 cr.

5618 Building Science II: Applications

(A-F or Audit; Prereq: Graduate Student)

66212 001 LEC, 15:00-16:30 TTh, Kaufert Laboratory 302, In Person; Meets With: 001 SSM 4618; Patrick Huelman ; 3 cr.

Swahili (SWAH)

1222 Beginning Swahili II

(Student Option; Prereq: **1221** or equiv)

53024 001 LEC, 12:20-13:10 MTWTh, Blegen Hall 425, In Person; Meets With: 001 SWAH 4222; Angaluki Muaka ; 5 cr.

53032 002 LEC, 18:00-20:30 TTh, Blegen Hall 105, In Person; Meets With: 002 SWAH 4222; Angaluki Muaka ; 5 cr.

3226 Intermediate Swahili II

(Student Option; Prereq: **3225** or equiv)

53314 001 LEC, 14:30-15:20 MTWThF, Blegen Hall 415, In Person; Meets With: 001 SWAH 4226; Angaluki Muaka ; 5 cr.

4222 Beginning Swahili for Graduate

Research II

(Student Option;)

53040 001 LEC, 12:20-13:10 MTWTh, Blegen Hall 425, In Person; Meets With: 001 SWAH 1222; Angaluki Muaka ; 5 cr.

53041 002 LEC, 18:00-20:30 TTh, Blegen Hall 105, In Person; Meets With: 002 SWAH 1222; Angaluki Muaka ; 5 cr.

4226 Intermediate Swahili for Graduate

Research II

(Student Option; Prereq: **4225** or equiv)

53254 001 LEC, 14:30-15:20 MTWThF, Blegen Hall 415, In Person; Meets With: 001 SWAH 3226; Angaluki Muaka ; 5 cr.

Swedish (SWED)

1002 Beginning Swedish

(Student Option; Prereq: **1001**)

51950 001 DIS, 11:15-12:05 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 SWED 4002; Lena Norrman ; 5 cr.

1004 Intermediate Swedish

(Student Option; Prereq: **1003**)

53786 001 DIS, 13:25-14:15 MTWThF, Folwell Hall 10, In Person; Meets With: 001 SWED 4004; Lena Norrman ; 5 cr.

4002 Beginning Swedish for Graduate

Research

(Student Option;)

52239 001 DIS, 11:15-12:05 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 SWED 1002; Lena Norrman ; 5 cr.

4004 Intermediate Swedish for Graduate Research

(Student Option;)

53787 001 DIS, 13:25-14:15 MTWThF, Folwell Hall 10, In Person; Meets With: 001 SWED 1004; Lena Norrman ; 5 cr.

Theatre Arts (TH)

1101V Honors Section: Introduction to the

Theater

(A-F only; Prereq: Honors student(AH,WI))

52562 001 LEC, 13:25-15:20 M, West Bank Skyway 20, In Person; Meets With: 001 TH 1101V; Charles Adams ; 3 cr.
52563 081 DIS, 13:25-15:20 F, Blegen Hall 140, In Person; Katelyn Buis ; 3 cr.

1101W Introduction to the Theatre

(Student Option; AH,WI)

52271 001 LEC, 13:25-15:20 M, West Bank Skyway 20, In Person; Meets With: 001 TH 1101V; Charles Adams ; 3 cr.
52334 002 DIS, 13:25-15:20 W, Blegen Hall 435, In Person; 3 cr.

52335 003 DIS, 13:25-15:20 F, Blegen Hall 225, In Person; 3 cr.

67655 004 DIS, 13:25-15:20 W, Blegen Hall 135, In Person; Briana Beeman ; 3 cr.

1301 Acting/Non-Majors

(Student Option;)

52272 001 LEC, 18:00-21:00 M, Rarig Center 10, In Person; T. Mychael Rambo ; 3 cr.

1321 Fundamentals of Acting & Performance

(Student Option;)

51925 002 LAB, 11:15-13:10 MW, Rarig Center 20, In Person; Luverne Seifert ; 3 cr.

52668 001 LAB, 11:15-13:10 MW, Rarig Center 630, In Person; Kym Longhi ; 3 cr.

1322 Creating the Performance

(Student Option;)

53353 001 LAB, 13:25-15:20 TTh, Rarig Center 90, In Person; Kym Longhi ; 3 cr.

1381 New Voices

(S-N only; Prereq: [Fr or transfer] student from BFA actor training or BA or BFA dance or BA theater)

53935 001 LAB, 11:00-17:00 Sa, Lab TBA, In Person; Deborah Pearson ; 1 cr.

1395 BFA Acting II

(A-F or Audit; Prereq: **1391**)

52745 001 LAB, 15:45-18:00 M, Guthrie Theater, Room 1, 12:20-14:15 F, Rarig Center 20, 16:40-17:30 TTh, Rarig Center 20, 13:25-16:25 TTh, Rarig Center 20, In Person; Steve Cardamone, Bruce Roach ; 3 cr.

1396 BFA Voice and Speech II

(A-F or Audit; Prereq: **1392**)

52746 001 LAB, 14:30-17:30 WF, Rarig Center 10, In Person; Lucinda Holshue ; 2 cr.

1397 BFA Movement II

(A-F or Audit; Prereq: **1393**)

52747 001 LAB, 13:25-15:20 M, Guthrie Theater, Room 2, 13:25-14:15 W, Rarig Center 506 - Studio A, 11:15-13:10 TTh, Rarig Center 20, In Person; Theodore Roseen, Joseph Krienke, Marciano Silva Dos Santos, Nicolas Collard ; 2 cr.

1501 Introduction to Design for the Theatre

(A-F only;)

53271 001 LEC, 11:15-13:10 TTh, Rarig Center 210, In Person; Stacey Palmer ; 3 cr.

2395 BFA Acting IV

(A-F or Audit; Prereq: BFA-Acting sophomore)

52759 001 LAB, 15:00-17:30 M, Lab TBA, 13:25-15:20 T, Rarig Center 10, 11:00-17:00 Sa, Lab TBA, 14:30-17:30 F, Rarig Center 20, 19:00-22:00 MTWThF, Lab TBA, 13:25-17:30 W, Rarig Center 20, In Person; Steve Cardamone, Bruce Roach, Joseph Krienke, Annie Enneking, Robert Rosen ; 3 cr.

2396 BFA Voice and Speech IV

(A-F or Audit; Prereq: BFA-acting, sophomore)

52748 001 LAB, 12:20-14:15 F, Rarig Center 10, 15:35-18:00 TTh, Rarig Center 10, In Person; Samantha Laumann ; 2 cr.

2397 BFA Movement IV

(A-F or Audit; Prereq: BFA-acting sophomore)

52749 001 LAB, 13:25-15:20 Th, Rarig Center 10, 11:15-13:10 MW, Rarig Center 506 - Studio A, In Person; Annie Enneking, Brian Sostek ; 2 cr.

3100 Theatre Lab Practicum

(S-N or Audit;)

51926 001 LAB, 13:25-15:20 MW, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.
54057 007 LAB, 13:25-17:30 M, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.
54058 008 LAB, 13:25-17:30 T, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.
54059 009 LAB, 13:25-17:30 W, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.
54060 010 LAB, 13:25-17:30 Th, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.
54353 002 LAB, 15:35-17:30 MW, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.
54354 003 LAB, 13:25-15:20 TTh, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.
54355 004 LAB, 15:35-17:30 TTh, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.
54356 005 LAB, 13:25-15:20 WF, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.
54357 006 LAB, 15:35-17:30 WF, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.
54771 011 LAB, 13:25-17:30 F, Rarig Center 130, In Person; Jason Allyn-Schwerin ; 1 cr.

54862 012 LAB, 13:25-15:20 MW, Rarig Center 230, In Person; Susan Binder-Pettigrew ; 1 cr.
55640 013 LAB, 13:25-15:20 TTh, Rarig Center 230, In Person; Susan Binder-Pettigrew ; 1 cr.
55641 014 LAB, 13:25-17:30 WF, Rarig Center 230, In Person; Susan Binder-Pettigrew ; 1 cr.
55642 015 LAB, 13:25-17:30 T, Rarig Center 230, In Person; Susan Binder-Pettigrew ; 1 cr.
55644 016 LAB, 13:25-17:30 W, Rarig Center 230, In Person; Susan Binder-Pettigrew ; 1 cr.

55645 017 LAB, 13:25-17:30 Th, Rarig Center 230, In Person; Susan Binder-Pettigrew ; 1 cr.
55646 018 LAB, 13:25-15:20 MW, Rarig Center 328, In Person; Bill Healey ; 1 cr.
55647 019 LAB, 15:35-17:30 MW, Rarig Center 328, In Person; Bill Healey ; 1 cr.
55648 020 LAB, 13:25-15:20 TTh, Rarig Center 328, In Person; Bill Healey ; 1 cr.
55649 021 LAB, 15:35-17:30 TTh, Rarig Center 328, In Person; Bill Healey ; 1 cr.
55650 022 LAB, 13:25-17:30 M, Rarig Center 328, In Person; Bill Healey ; 1 cr.

55651 023 LAB, 13:25-17:30 T, Rarig Center 328, In Person; Bill Healey ; 1 cr.
55652 024 LAB, 13:25-17:30 W, Rarig Center 328, In Person; Bill Healey ; 1 cr.
55653 025 LAB, 13:25-17:30 Th, Rarig Center 328, In Person; Bill Healey ; 1 cr.
55654 026 LAB, 13:25-17:30 F, Rarig Center 328, In Person; Bill Healey ; 1 cr.
55655 027 LAB, 13:25-17:30 T, Rarig Center 506A, In Person; Montana Johnson ; 1 cr.
55656 028 LAB, 13:25-17:30 Th, Rarig Center 506A, In Person; Montana Johnson ; 1 cr.
55657 029 LAB, 13:25-17:30 F, Rarig Center 506A, In Person; Montana Johnson ; 1 cr.

3152W Global Avant-Gardes: Theatre,

Music, Modernity

(Student Option; HIS,WI)

54224 001 LEC, 11:15-13:10 MW, Blegen Hall 135, In Person; Sonali Pahwa ; 3 cr.

3172 Western Theatre & Performance

Historiography: Part II

(Student Option; HIS)

52791 001 LEC, 11:15-13:10 TTh, Blegen Hall 250, In Person; Charles Adams, Greta Gebhard ; 3 cr.

3300 Performance & Production Practicum

(S-N only;)

67850 001 LAB, In Person; Luverne Seifert ; 1 cr.
67851 002 LAB, In Person; Christine Swartwout ; 1 cr.
67852 003 LAB, In Person; Nora Jenneman ; 1 cr.
67853 004 LAB, In Person; Deborah Pearson ; 1 cr.
67854 005 LAB, In Person; Qiuxia Welch ; 1 cr.

3322 Acting II

(Student Option;)

54061 001 LAB, 15:35-17:30 TTh, Rarig Center 630, In Person; Sara Marsh ; 3 cr.

3330 Physical Approaches to Acting

(Student Option; Prereq: **1322**, [3314 or concurrent registration is required (or allowed) in 3314], audition, instr consent)

52826 001 LAB, 09:05-11:00 MW, Rarig Center 506 - Studio A, In Person; Kym Longhi ; 3 cr.

3361 Introductory Musical Theater

(A-F or Audit;)
67162 001 LAB, 09:05-11:00 TTh, Rarig Center 506 - Studio A, In Person; Samantha Laumann, Linda Lee ; 3 cr.

3370 BA Masterclass

(A-F only;)
53783 001 LAB, 11:15-13:10 F, Rarig Center 210, In Person; Shirley Diercks ; 1 cr.
67915 003 LAB, 11:15-13:10 F, Rarig Center 630, In Person; Derek Washington ; 1 cr.

3395 BFA Intensive I

(A-F or Audit; Prereq: BFA-acting jr)
52750 001 LAB, 14:30-17:00 M, Lab TBA, 13:25-17:30 F, Rarig Center 630, 13:25-17:30 TTh, Rarig Center 506 - Studio A, In Person; Steve Cardamone, Lucinda Holshue, Deborah Pearson ; 2 cr.

3398 BFA Rehearsal & Performance I

(A-F or Audit; Prereq: BFA-acting jr)
52751 001 LAB, 11:00-17:00 Sa, Lab TBA, 19:00-22:00 MTWThF, Lab TBA, In Person; Lucinda Holshue ; 2 cr.

3399 BFA Rehearsal and Performance II

(A-F or Audit; Prereq: BFA-acting jr)
52752 001 LAB, 11:00-17:00 Sa, Lab TBA, 19:00-22:00 MTWThF, Lab TBA, In Person; Joseph Krienke, Doug Scholz-Carlson ; 2 cr.

3500 Design Practicum

(A-F only;)
67848 001 LAB, In Person; 1-2 cr.
67849 002 LAB, In Person; 1-2 cr.

3521 Introduction to Scenic Design for Theatre and Performance

(Student Option;)
54722 001 LEC, 15:35-17:30 TTh, Rarig Center 275, In Person; Jennifer O'Malley ; 3 cr.

3541 Introduction to Lighting Design for the Theatre

(Student Option;)
54723 001 LEC, 13:25-15:20 TTh, Rarig Center 210, In Person; Marcus Dilliard ; 3 cr.

3571 Introduction to Technology for the Theatre

(A-F only; Prereq: 1501)
53270 001 LEC, 11:15-13:10 MW, Rarig Center 185, In Person; Bill Healey, Montana Johnson, Zeb Hulst, Susan Binder-Pettigrew ; 3 cr.

3700 Directing & Dramaturgy Practicum

(A-F only;)
67847 001 LAB, In Person; Luverne Seifert ; 1 cr.

3711 Beginning Directing

(Student Option;)
55880 001 LAB, 09:05-11:00 TTh, Rarig Center 90, In Person; Craig Johnson ; 3 cr.

3760 Project Stage Management

(Student Option;)
55179 001 FWK, In Person; Christine Swartwout ; 2 cr.

3993 Directed Study

(Student Option; Prereq: 6 Th cr, instr consent, dept consent, college consent)
52785 001 IND, In Person; 1-6 cr.

4115 Intermediate Playwriting

(Student Option; Prereq: 3115 or [writing sample, instr consent])
67163 001 LEC, 13:25-16:25 F, Blegen Hall 125, In Person; Kira Obolensky ; 3 cr.

4380 BA Studio Production: Creative Collaboration

(Student Option;)
66251 001 LAB, 19:00-22:30 MTWThF, Rarig Center 90, In Person; Lisa Channer ; 1-3 cr.
67213 002 LAB, 19:00-22:30 MTWThF, Rarig Center 90, In Person; Talvin Wilks ; 1-3 cr.

4395 BFA Intensive III

(A-F or Audit; Prereq: BFA-acting sr)
52753 001 LAB, 14:30-17:30 F, Rarig Center 506 - Studio A, 14:30-17:30 MW, Guthrie Theater, Room 3, In Person; Bruce Roach, Steve Cardamone ; 2 cr.

4398 BFA Rehearsal and Performance V

(A-F or Audit; Prereq: BFA-acting sr)
52754 001 LAB, 11:00-17:00 Sa, Lab TBA, 19:00-22:00 MTWThF, Lab TBA, In Person; Deborah Pearson ; 2 cr.

4399 BFA Rehearsal and Performance VI

(A-F or Audit; Prereq: BFA-acting sr)
52755 001 LAB, 11:00-17:00 Sa, Lab TBA, 19:00-22:00 MTWThF, Lab TBA, In Person; Bruce Roach, James Williams, Michelle O'Neill, Keely Wolter, Annie Enneking ; 2 cr.

4532 Makeup for the Actor

(Student Option;)
53362 001 LAB, 09:05-12:05 F, Rarig Center 64, In Person; Theresa Bundick ; 2 cr.

4901 Capstone Project for Theater

(S-N or Audit; Prereq: Sr, [Th or Dnce major])
53033 001 IND, 00:00-00:00 , , In Person; Kym Longhi, Emily Finck ; 2 cr.

4905H Honors: Tutorial Seminar in Theatre Arts

(A-F only; Prereq: Credit will not be granted if credit has been received for: 4905; honors, theatre arts, dept consent; limit [2 cr for [cum laude or magna cum laude], 4 cr for summa cum laude])
51963 001 IND, 00:00-00:00 , , In Person; Sonali Pahwa ; 2-4 cr.

5100 Theatre Practicum

(Student Option; Prereq: instr consent, dept consent; 4 cr of 3100 for undergrads)
51927 001 FWK, 00:00-00:00 , , In Person; 1-4 cr.

5117 Performance and Social Change

(A-F or Audit; Prereq: Jr or sr or grad student)
67660 001 LEC, 16:00-18:30 W, Blegen Hall 145, 16:00-18:30 Th, Blegen Hall 145, 16:00-18:30 W, Blegen Hall 145, 16:00-18:30 Th, Blegen Hall 145, 16:00-18:30 W, Blegen Hall 145, In Person; Sonja Kuffinec ; 3 cr.

5182W Contemporary Black Drama and Dramaturgies

(Student Option; WI)
55181 001 LEC, 15:35-17:30 TTh, Blegen Hall 240, In Person; Talvin Wilks ; 3 cr.

5500 Theatre Design Practicum

(Student Option; Prereq: Th 3521, 3531, or 3541)
51928 001 FWK, 00:00-00:00 , , In Person; Marcus Dilliard ; 1-3 cr.
54762 002 FWK, In Person; Matthew Lefebvre ; 1-3 cr.
54763 003 FWK, In Person; Chelsea Masteller Warren ; 1-3 cr.
55411 004 FWK, In Person; Frederick Kennedy ; 1-3 cr.

5545 Stage Lighting Technology

(Student Option; Prereq: 3515 or grad or instr consent)
67671 001 LAB, 11:15-13:10 TTh, Rarig Center 185, In Person; Bill Healey ; 3 cr.

5559 Sound Design for Performance

(Student Option; Prereq: 4555 or instr consent)
55180 001 DIS, 09:05-11:00 MW, Rarig Center 210, In Person; Frederick Kennedy ; 3 cr.

5570 Properties/Scenery Technology

(Student Option; Prereq: 3515 or grad or instr consent)
53992 001 FWK, 08:00-11:00 TTh, Rarig Center 130, In Person; Angelique Powers ; 1-3 cr.
67844 002 FWK, 11:15-13:10 MW, Rarig Center 275, In Person; Chelsea Masteller Warren ; 1-3 cr.

5580 Costume Technology

(Student Option; Prereq: 3571 or grad or instr consent)
68670 001 LEC, 18:30-21:30 MW, , In Person; 3 cr.

5590 Theatre Technology Practicum

(Student Option; Prereq: 3515, instr consent, dept consent; 4 cr max for undergrads)
54768 001 FWK, In Person; Marcus Dilliard ; 1-3 cr.
54769 002 FWK, In Person; Matthew Lefebvre ; 1-3 cr.
54770 003 FWK, In Person; Chelsea Masteller Warren ; 1-3 cr.

5760 Advanced Stage Management

(Student Option;)
53847 001 FWK, 00:00-00:00 , , In Person; Christine Swartwout ; 2 cr.

5950 Topics in Theatre

(Student Option;)

68005 001 LEC, 09:05-12:05 F, Rarig Center 90, In Person; Luverne Seifert ; 1-4 cr.

5993 Directed Study

(Student Option; Prereq: 6 Th cr, instr consent, dept consent, college consent.)
51929 001 IND, 00:00-00:00 , , In Person; 1-5 cr.

Toledo International Program (TLDO)

Toxicology (TXCL)

University College (UC)

4301 Perspectives: Interrelationships of People and Animals in Society Today

(Student Option;)
63172 001 LEC, 00:00-00:00 , , In Person; Vicki Wilke ; 2 cr.

Urban Studies (URBS)

1001W Introduction to Urban Studies: The Complexity of Metropolitan Life

(A-F or Audit; WI)
52819 001 LEC, 13:15-14:30 MW, Anderson Hall 370, In Person; Meets With: 001 URBS 3001W; Kate Derickson ; 3 cr.

3001W Introduction to Urban Studies: The Complexity of Metropolitan Life

(A-F or Audit; WI)
53555 001 LEC, 13:15-14:30 MW, Anderson Hall 370, In Person; Meets With: 001 URBS 1001W; Kate Derickson ; 3 cr.

3200 Urban Studies Colloquium

(A-F or Audit; Prereq: dept consent)
67764 001 DIS, 15:30-17:30 Th, Blegen Hall 425, In Person; Samuel Rockwell ; 1 cr.
67765 002 DIS, 15:30-17:30 T, Blegen Hall 425, In Person; Ursula Lang ; 1 cr.
67766 003 DIS, 17:00-19:00 T, Hubert H. Humphrey School 30, In Person; Kowsar Mohamed ; 1 cr.

3500 Urban Studies Workshop

(A-F or Audit; Prereq: instr consent)
67767 001 FWK, 15:00-17:30 W, Hubert H. Humphrey School 15, In Person; William Smith ; 3 cr.
67768 002 FWK, 17:30-20:00 W, Hubert H. Humphrey School 184, In Person; Mark Brinda ; 3 cr.

3771 Fundamentals of Transit

(A-F only;)
52824 001 LEC, 12:20-15:20 F, Blegen Hall 110, In Person; William Lindeke ; 3 cr.

3861 Financing Cities

(A-F only;)
54118 001 LEC, 13:00-14:15 TTh, Blegen Hall 255, In Person; William Lindeke ; 3 cr.

3896 Urban Studies Internship Seminar

(A-F or Audit; Prereq: Sr, internship placement, dept consent, instr consent)
53369 001 FWK, 14:00-15:30 M, Blegen Hall 330, In Person; Paula Pentel ; 2 cr.

3955W Senior Paper Seminar

(A-F or Audit; Prereq: dept consentWI)
52022 001 LEC, 10:00-12:00 W, Hubert H. Humphrey School 35, In Person; 2 cr.

3993 Urban Studies Directed Study

(Student Option; Prereq: UrbS majors, instr consent, dept consent.)
52024 001 IND, In Person; Kate Derickson ; 1-3 cr.

Urdu (URDU)

1012 Beginning Urdu II

(Student Option No Audit;)
54321 001 LEC, 09:05-09:55 MTWThF, Peik Hall 165, In Person; Meets With: 001 URDU 4002; Meraj Ahmed ; 5 cr.

3022 Intermediate Urdu II

(Student Option No Audit;)
54323 001 LEC, 10:10-11:00 MTWThF, Peik Hall 165, In Person; Meets With: 001 URDU 4004; Meraj Ahmed ; 5 cr.

3032 Advanced Urdu II

(Student Option No Audit; Prereq: URDU 3031 or instructor consent)
55155 001 LEC, 14:30-16:25 MW, Peik Hall 165, In Person; Meets With: 001 URDU 4006; Meraj Ahmed ; 4 cr.

4002 Beginning Urdu II for Graduate Student Research

(Student Option No Audit;)
54322 001 LEC, 09:05-09:55 MTWThF, Peik Hall 165, In Person; Meets With: 001 URDU 1012; Meraj Ahmed ; 5 cr.

4004 Intermediate Urdu II for Graduate Student Research

(Student Option No Audit;)
54324 001 LEC, 10:10-11:00 MTWThF, Peik Hall 165, In Person; Meets With: 001 URDU 3022; Meraj Ahmed ; 5 cr.

4006 Advanced Urdu II for Graduate Research

(Student Option No Audit;)
55156 001 LEC, 14:30-16:25 MW, Peik Hall 165, In Person; Meets With: 001 URDU 3032; Meraj Ahmed ; 4 cr.

5993 Directed Study

(Student Option;)
55020 001 IND, Independent/Directed Study; Meraj Ahmed ; 1-5 cr.

Veterinary & Biomedical Sci (VBS)

2032 General Microbiology With Laboratory (A-F only; Prereq: One semester each of college chemistry, biology)

45247 001 LEC, Completely Online; Cheryl Dvorak, Dawn Foster Hartnett ; 5 cr.
45248 002 LAB, 09:00-11:00 TTh, Veterinary Science 325, In Person; Dawn Foster Hartnett, Cheryl Dvorak ; 5 cr.
45266 003 LAB, 11:30-13:30 TTh, Veterinary Science 325, In Person; Cheryl Dvorak, Dawn Foster Hartnett ; 5 cr.
45611 004 LAB, 14:00-16:00 TTh, Veterinary Science 325, In Person; Dawn Foster Hartnett, Cheryl Dvorak ; 5 cr.

Veterinary Clinical Sciences (VCS)

4606 Small Animal Management

(A-F or Audit;)
45558 002 DIS, Completely Online; Kristy Lashbaugh ; 3 cr.

Veterinary Medicine, Graduate (VMED)

5181 Spatial Analysis in Infectious Disease Epidemiology

(Student Option No Audit; Prereq: Intro to epidemiology, statistics.)
45289 001 LEC, 09:00-12:00 F, Coffey Hall 50, In Person; Randall Singer ; 3 cr.

5243 Advanced Small Animal Pathobiology IV

(A-F only; Prereq CVM grad student, [DVM or foreign equiv] degree.)
45318 001 LEC, 08:00-09:00 M, No Room Required, In Person; Ned Patterson ; 1 cr.

5410 Scientific Writing and Speaking

(A-F only; Prereq: Grad student in health sciences)
45321 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Sagar Goyal ; 2 cr.

5442 Quantitative Methods for Population Health

(Student Option;)
45401 001 LEC, 12:30-14:00 WF, Animal Science / Vet Med 495J, In Person; Andres Perez, Kimberly VanderWaal ; 3 cr.

5594 Research in Veterinary Medicine

(Student Option; Prereq: Jr, instr consent)
45286 001 LAB, 00:00-00:00 , Independent/Directed Study; Ned Patterson ; 1-4 cr.

5895 Veterinary Public Health Integrated Learning Experience

(S-N only;)
45440 001 IND, In Person; Jeff Bender ; 1-3 cr.

5896 Application of Veterinary Public Health

(S-N only;)
45441 001 FWK, In Person; Jeff Bender ; 0.5-6 cr.
68707 002 FWK, Completely Online; Kaylee Myhre Errecaborde ; 0.5-6 cr.

5910 Grant Writing: What Makes a Winning Proposal?

(Student Option;)
45303 001 LEC, 15:00-16:30 M, Veterinary Science 215, In Person; Meets With: 001 CMB 5910; Mark Rutherford ; 2 cr.

5989 Introduction to Applied Health Policy and Leadership

(Student Option No Audit; Prereq: Graduate or professional degree in-progress or completed.)
45614 001 DIS, Completely Online; Kaylee Myhre Errecaborde ; 1.5 cr.

5990 Veterinary Public Practice Seminar

(S-N only;)
45481 001 LEC, In Person; 0.5 cr.

Veterinary Population Medicine (VPM)

1550 Introduction to the horse including care, handling, and recognizing behaviors

(Student Option;)
45290 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Kelly Vallandingham ; 1 cr.

2455 Introduction to Raptor Reconditioning and Release

(A-F only;)
45624 001 LEC, 19:00-20:30 T, Twin Cities Remote, Completely Online; Michelle Willette ; 1 cr.

3021 Protecting your Lunch: Food Defense Awareness

(A-F only;)
67275 001 DIS, Completely Online; Debra Freedman ; 1 cr.

4131 Immunology

(Student Option;)
45281 001 LEC, 18:15-19:45 TTh, Bruininks Hall 131A, In Person; Thomas Molitor ; 3 cr.

4400 Diseases in free-ranging and captive wildlife

(A-F or Audit;)
45376 001 LEC, 11:45-13:00 TTh, Andrew Boss Laboratory 125, In Person; Michelle Willette ; 3 cr.

Vienna Executive MBA (VMBA)

Virology (VIRO)

5030 Virology Research Presentations

(S-N only;)
68359 001 DIS, 12:00-13:00 W, AHC ROOM TBA, In Person; Louis Mansky ; 1 cr.

Water Resources Science (WRS)

5101 Water Policy

(Student Option;)
56133 001 LEC, 10:15-11:30 TTh, Biosystems & Ag Eng Bldg 308, In Person; Meets With: 001 PA 5723; Joe Magner ; 3 cr.

Writing Studies (WRIT)

1001 The Art of Explaining Things: Introduction to Technical Writing and Communication

(A-F only;)

54055 001 DIS, 13:00-14:15 MW, Nicholson Hall 335, In Person; Brigitte Mussack ; 3 cr.

1301 University Writing

(A-F only;)

53102 015 DIS, 10:10-12:05 M, Bruininks Hall 144, Partially Online; Emily Jones ; 4 cr.
53103 016 DIS, 10:10-12:05 M, Pillsbury Hall 314, Partially Online; Matthew Tchepikova-Treon ; 4 cr.
53104 017 DIS, 10:10-12:05 M, Akerman Hall 215, Partially Online; Michelle Herrin ; 4 cr.
53105 019 DIS, 11:15-13:10 M, Kolthoff Hall 140, Partially Online; Sarah Chandler ; 4 cr.
53106 023 DIS, 13:25-15:20 M, Bruininks Hall 119, Partially Online; Allison Vincent ; 4 cr.
53109 003 DIS, 09:35-11:30 T, Ruttan Hall B36, Partially Online; Nick Kleese ; 4 cr.
53110 002 DIS, 12:50-14:45 M, Ruttan Hall B30, Partially Online; Barbara Van Pilsom ; 4 cr.
53111 027 DIS, 14:30-16:25 M, Nicholson Hall 110, Partially Online; Treza Rosado ; 4 cr.
53112 028 DIS, 08:00-09:55 T, Kolthoff Hall 133, Partially Online; Asmita Ghimire ; 4 cr.
53113 026 DIS, 14:30-16:25 M, Kolthoff Hall 136, Partially Online; Sarah Chandler ; 4 cr.
53114 029 DIS, 08:00-09:55 T, Nicholson Hall 355, Partially Online; Kaylen James ; 4 cr.
53115 030 DIS, 09:05-11:00 T, Smith Hall 121, Partially Online; Patricia Fillipi ; 4 cr.
53116 031 DIS, 09:05-11:00 T, Appleby Hall 226, Partially Online; Corinth Matera ; 4 cr.
53117 032 DIS, 09:05-11:00 T, Smith Hall 111, Partially Online; Mark Anderson ; 4 cr.
53118 033 DIS, 10:10-12:05 T, Bruininks Hall 144, Partially Online; Emily Buehler ; 4 cr.
53119 034 DIS, 10:10-12:05 T, Bruininks Hall 123, Partially Online; Tim Gustafson ; 4 cr.
53120 035 DIS, 10:10-12:05 T, Bruininks Hall 117, Partially Online; Michelle Herrin ; 4 cr.
53121 036 DIS, 11:15-13:10 T, Vincent Hall 301, Partially Online; Sarah Chandler ; 4 cr.
53122 037 DIS, 11:15-13:10 T, Vincent Hall 364, Partially Online; Nicole Montana ; 4 cr.
53123 038 DIS, 12:20-14:15 T, Elliott Hall N119, Partially Online; Corinth Matera ; 4 cr.
53124 039 DIS, 12:20-14:15 T, Appleby Hall 11, Partially Online; Mark Anderson ; 4 cr.
53125 043 DIS, 13:25-15:20 T, Lind Hall L122, Partially Online; Rebecca Jurisz ; 4 cr.
53126 005 DIS, 10:40-12:35 W, Ruttan Hall B42, Partially Online; Matthew Kimlinger ; 4 cr.
53127 044 DIS, 14:30-16:25 T, Nolte Center 229, Partially Online; Treza Rosado ; 4 cr.
53128 046 DIS, 08:00-09:55 W, Lind Hall L122, Partially Online; Rebecca Jurisz ; 4 cr.
53130 048 DIS, 09:05-11:00 W, Akerman Hall 227, Partially Online; Corinth Matera ; 4 cr.
53131 006 DIS, 13:55-15:50 W, McNeal Hall 146, Partially Online; Matthew Kimlinger ; 4 cr.
53132 051 DIS, 10:10-12:05 W, Amundson Hall 124, Partially Online; Kristin Bauck ; 4 cr.
53133 052 DIS, 10:10-12:05 W, Bruininks Hall 144, Partially Online; Matthew Tchepikova-Treon ; 4 cr.
53134 055 DIS, 11:15-13:10 W, Kolthoff Hall 140, Partially Online; Elizabeth Hartman ; 4 cr.
53135 056 DIS, 12:20-14:15 W, Appleby Hall 226, Partially Online; Marcy Bock Eastley ; 4 cr.
53136 020 DIS, 12:20-14:15 M, Bruininks Hall 144, Partially Online; Emily Buehler ; 4 cr.
53137 057 DIS, 12:20-14:15 W, Bruininks Hall 144, Partially Online; Melissa Cundieff ; 4 cr.
53138 058 DIS, 13:25-15:20 W, Bruininks Hall 420A, Partially Online; Matthew Tchepikova-Treon ; 4 cr.
53139 059 DIS, 13:25-15:20 W, Amundson Hall 156, Partially Online; Ezra Hyland ; 4 cr.
53140 021 DIS, 12:20-14:15 M, Wulling Hall 220, Partially Online; Melissa Cundieff ; 4 cr.
53141 041 DIS, 13:25-15:20 T, Blegen Hall 240, Partially Online; Megan Mills-Rittmann ; 4 cr.
53142 061 DIS, 13:25-15:20 W, Scott Hall 4, Partially Online; Elise Toedt ; 4 cr.
53143 062 DIS, 14:30-16:25 W, Amundson Hall 104, Partially Online; Elizabeth Hartman ; 4 cr.
53144 009 DIS, 08:00-09:55 M, Bruininks Hall 512B, Partially Online; Maggie Shea ; 4 cr.
53145 063 DIS, 14:30-16:25 W, Kolthoff Hall 136, Partially Online; Dylan Reynolds ; 4 cr.
53147 042 DIS, 13:25-15:20 T, Ford Hall 110, Partially Online; Tim Gustafson ; 4 cr.
53149 066 DIS, 09:05-11:00 Th, Smith Hall 121, Partially Online; Elise Toedt ; 4 cr.
53150 068 DIS, 09:05-11:00 Th, Appleby Hall 319, Partially Online; Elizabeth Hartman ; 4 cr.
53151 069 DIS, 10:10-12:05 Th, Keller Hall 2-260, Partially Online; Alison Obright ; 4 cr.

53152 070 DIS, 10:10-12:05 Th, Elliott Hall N647, Partially Online; Samantha Sturman Dahl ; 4 cr.
 53153 071 DIS, 10:10-12:05 Th, Blegen Hall 425, Partially Online; Allison Vincent ; 4 cr.
 53154 072 DIS, 10:10-12:05 Th, Bruininks Hall 144, Partially Online; Cody Bursch ; 4 cr.
 53564 008 DIS, 12:50-14:45 Th, Ruttan Hall B42, Partially Online; Nick Kleese ; 4 cr.
 53624 054 DIS, 11:15-13:10 W, Appleby Hall 11, Partially Online; Mark Anderson ; 4 cr.
 53706 007 DIS, 09:35-11:30 Th, Ruttan Hall B36, Partially Online; Nick Kleese ; 4 cr.
 53707 010 DIS, 08:00-09:55 M, Kolthoff Hall 137, Partially Online; Emily Buehler ; 4 cr.
 53762 040 DIS, 12:20-14:15 T, Appleby Hall 3, Partially Online; David Rodríguez Martínez ; 4 cr.
 53763 045 DIS, 14:30-16:25 T, Kolthoff Hall 138, Partially Online; Allison Vincent ; 4 cr.
 53764 049 DIS, 09:05-11:00 W, Kolthoff Hall 140, Partially Online; Patricia Filippi ; 4 cr.
 53765 050 DIS, 09:05-11:00 W, Kolthoff Hall 138, Partially Online; Elise Toedt ; 4 cr.
 53766 053 DIS, 11:15-13:10 W, Appleby Hall 3, Partially Online; Rebecca Jurisz ; 4 cr.
 54097 018 DIS, 11:15-13:10 M, Appleby Hall 11, Partially Online; Maggie Shea ; 4 cr.
 54098 022 DIS, 13:25-15:20 M, Amundson Hall 156, Partially Online; Nicole Montana ; 4 cr.
 54110 073 DIS, 11:15-13:10 Th, Ford Hall 170, Partially Online; Ezra Hyland ; 4 cr.
 54822 074 DIS, 11:15-13:10 Th, Folwell Hall 123, Partially Online; Marcy Bock Eastley ; 4 cr.
 55110 001 DIS, 09:35-11:30 M, Ruttan Hall B30, Partially Online; Barbara Van Pilsum ; 4 cr.
 55111 004 DIS, 10:40-12:35 T, Lmg & Environmental Sci 140A, Partially Online; Matthew Kimlinger ; 4 cr.
 55112 011 DIS, 09:05-11:00 M, Akerman Hall 227, Partially Online; Nicole Montana ; 4 cr.
 55113 012 DIS, 09:05-11:00 M, Kolthoff Hall 138, Partially Online; Megan Mills-Rittmann ; 4 cr.
 55114 013 DIS, 09:05-11:00 M, Kolthoff Hall 136, Partially Online; Melissa Cundieff ; 4 cr.
 55116 075 DIS, 11:15-13:10 Th, Hubert H. Humphrey School 50A, Partially Online; Dylan Reynolds ; 4 cr.
 55117 076 DIS, 12:20-14:15 Th, Elliott Hall N119, Partially Online; Ian Power-Luetscher ; 4 cr.
 55118 077 DIS, 12:20-14:15 Th, Peik Hall 28, Partially Online; Matthew Tchepikova-Treon ; 4 cr.
 55119 078 DIS, 12:20-14:15 Th, Akerman Hall 313, Partially Online; Elise Toedt ; 4 cr.
 55130 100 DIS, Completely Online; Jax Kinniburgh ; 4 cr.
 55131 101 DIS, Completely Online; Jax Kinniburgh ; 4 cr.
 55132 102 DIS, Completely Online; Jax Kinniburgh ; 4 cr.
 55133 103 DIS, Completely Online; Mercedes Sheldon ; 4 cr.
 55134 104 DIS, Completely Online; Nicole Montana ; 4 cr.
 55135 105 DIS, Completely Online; Kimberley Strain ; 4 cr.
 55136 106 DIS, Completely Online; Kimberley Strain ; 4 cr.
 55137 107 DIS, Completely Online; Angelo Volpe ; 4 cr.
 55138 200 DIS, 10:10-12:05 M, Appleby Hall 226, Partially Online; Sarah Selz ; 4 cr.
 55139 201 DIS, 11:15-13:10 T, Kolthoff Hall 135, Partially Online; Sarah Selz ; 4 cr.
 55140 202 DIS, 14:30-16:25 W, Nicholson Hall 110, Partially Online; Anne Fretheim ; 4 cr.
 55229 300 DIS, 11:15-13:10 M, Appleby Hall 3, Partially Online; Treza Rosado ; 4 cr.
 55315 079 DIS, 13:25-15:20 Th, Campbell Hall 1, Partially Online; Samantha Sturman Dahl ; 4 cr.
 55413 080 DIS, 13:25-15:20 Th, Ford Hall 155, Partially Online; Kristin Bauck ; 4 cr.
 55414 081 DIS, 13:25-15:20 Th, Armory Building 202, Partially Online; Matthew Luskey ; 4 cr.
 55415 082 DIS, 14:30-16:25 Th, Kolthoff Hall 137, Partially Online; Ezra Hyland ; 4 cr.
 55416 203 DIS, 09:05-11:00 Th, Vincent Hall 1, Partially Online; Anne Fretheim ; 4 cr.
 55417 204 DIS, Completely Online; Tara Zahler ; 4 cr.
 55418 205 DIS, Completely Online; Tara Zahler ; 4 cr.
 55570 083 DIS, 14:30-16:25 Th, Blegen Hall 317, Partially Online; Dylan Reynolds ; 4 cr.
 55571 084 DIS, 09:05-11:00 F, Kolthoff Hall 137, Partially Online; Caitlin Bauch ; 4 cr.
 55572 085 DIS, 09:05-11:00 F, Kolthoff Hall 133, Partially Online; Marcy Bock Eastley ; 4 cr.
 55573 086 DIS, 09:05-11:00 F, Nicholson Hall 355, Partially Online; Ian Power-Luetscher ; 4 cr.
 55575 088 DIS, 10:10-12:05 F, Kolthoff Hall 139, Partially Online; Samantha Sturman Dahl ; 4 cr.
 55576 089 DIS, 10:10-12:05 F, Kolthoff Hall 138, Partially Online; J. Richards ; 4 cr.
 55577 090 DIS, 10:10-12:05 F, Nicholson Hall 110, Partially Online; Matthew Luskey ; 4 cr.
 55580 091 DIS, 10:10-12:05 F, Kolthoff Hall 136, Partially Online; Kyle Ripper ; 4 cr.
 55584 093 DIS, 11:15-13:10 F, Nicholson Hall 355, Partially Online; Ian Power-Luetscher ; 4 cr.

55663 095 DIS, Completely Online; Maureen Aitken ; 4 cr.
 55664 096 DIS, Completely Online; Tim Gustafson ; 4 cr.
 65416 014 DIS, 09:05-11:00 M, Kolthoff Hall 140, Partially Online; Allison Vincent ; 4 cr.
 65417 024 DIS, 13:25-15:20 M, Appleby Hall 3, Partially Online; Megan Mills-Rittmann ; 4 cr.
 65418 025 DIS, 13:25-15:20 M, Appleby Hall 11, Partially Online; Kayla Carden ; 4 cr.
 65419 060 DIS, 13:25-15:20 W, Peik Hall 335, Partially Online; Kristin Bauck ; 4 cr.
 65420 094 DIS, Completely Online; Maureen Aitken ; 4 cr.
 65781 097 DIS, Completely Online; Michelle Herrin ; 4 cr.
 65782 098 DIS, Completely Online; Matthew Hodapp ; 4 cr.
 65783 099 DIS, Completely Online; Matthew Hodapp ; 4 cr.
 65837 108 DIS, Completely Online; Angelo Volpe ; 4 cr.
 65841 109 DIS, Completely Online; Angelo Volpe ; 4 cr.
 65842 110 DIS, Completely Online; Tara Zahler ; 4 cr.
 65843 111 DIS, Completely Online; Isabel Bethke ; 4 cr.
 65845 113 DIS, Completely Online; Keelia Estrada Moeller ; 4 cr.
 65846 114 DIS, Completely Online; Thomas Forrest ; 4 cr.
 65847 115 DIS, Completely Online; Nyla Numan ; 4 cr.
 65848 116 DIS, Completely Online; Kathleen Bolander ; 4 cr.
 65849 117 DIS, Completely Online; Stuart Deets ; 4 cr.
 65850 118 DIS, Completely Online; Rebecca Felter ; 4 cr.
 65851 119 DIS, Completely Online; Jessica Remcheck ; 4 cr.
 65852 120 DIS, Completely Online; Carola Saalmueller ; 4 cr.
 65855 301 DIS, 12:20-14:15 T, Ford Hall 170, Partially Online; Patricia Filippi ; 4 cr.
 65856 302 DIS, 09:05-11:00 W, Kolthoff Hall 136, Partially Online; Ezra Hyland ; 4 cr.
 65857 303 DIS, Completely Online; Michelle Herrin ; 4 cr.
 65858 400 DIS, Completely Online; Maureen Aitken ; 4 cr.

3029W Business and Professional Writing (Student Option; WI)

53342 001 DIS, 11:15-12:30 TTh, Bruininks Hall 119, In Person; Jessa Wood ; 3 cr.
 53343 002 DIS, Completely Online; Emily Gresbrink ; 3 cr.
 54808 003 DIS, Completely Online; Brigitte Mussack ; 3 cr.
 55810 004 DIS, Completely Online; Cynthia Pope ; 3 cr.

3101W Writing Arguments

(A-F or Audit; WI)
 53279 001 DIS, 14:30-15:45 TTh, Nicholson Hall 355, In Person; Luke Shackelford ; 3 cr.

3102W Public Writing

(A-F only; CIV,WI)
 54051 001 DIS, 13:00-14:15 TTh, Bruininks Hall 119, In Person; Patrick Bruch ; 3 cr.

3152W Writing on Issues of Science and Technology

(A-F or Audit; WI)
 53080 001 DIS, 09:45-11:00 MW, Nicholson Hall 345, In Person; Capper Nichols ; 3 cr.

3221W Communication Modes and Methods

(A-F only; WI)
 53376 001 DIS, 09:45-11:00 TTh, Nolte Center 229, In Person; Richard Graff ; 3 cr.

3244W Critical Literacies: How Words

Change the World
(A-F or Audit; AH,WI,DSJ)
 53298 001 DIS, 16:00-18:30 T, Kolthoff Hall 135, In Person; Patrick Bruch ; 3 cr.

3315 Writing on Issues of Land and the Environment

(A-F or Audit; AH,DSJ)
 53567 001 DIS, 09:45-11:00 TTh, Appleby Hall 223, In Person; Thomas Reynolds ; 3 cr.

3405W Humanistic Healthcare and

Communication
(Student Option; AH,WI)
 53636 001 DIS, 13:00-14:15 WF, Twin Cities Remote, Completely Online; William West ; 3 cr.

3441 Editing, Critique, and Style

(A-F only;)
 53344 001 DIS, 11:15-12:30 TTh, Lind Hall L122, In Person; Barbara Horvath ; 3 cr.

3562W Technical and Professional Writing

(A-F only; WI)
 53081 001 DIS, 11:45-13:00 MW, Ruttan Hall B26, Partially Online; Joe Moses ; 4 cr.
 53082 002 DIS, 09:45-11:00 TTh, Haecker Hall 205, Partially Online; Joe Moses ; 4 cr.

53083 003 DIS, 11:45-13:00 TTh, Ruttan Hall B22, Partially Online; Joe Moses ; 4 cr.
 53084 005 DIS, 11:15-12:30 MW, Bruininks Hall 119, Partially Online; Mikayla Davis ; 4 cr.
 53085 006 DIS, 13:00-14:15 MW, Smith Hall 121, Partially Online; Brandi Fuglsby ; 4 cr.
 53086 007 DIS, 16:40-19:10 M, Appleby Hall 223, Partially Online; Brian Le Lay ; 4 cr.
 53087 008 DIS, Completely Online; Clayton Benjamin ; 4 cr.
 53088 013 DIS, 00:00-00:00 , ONLINE, Completely Online; Sandra Becker ; 4 cr.
 53089 014 DIS, 00:00-00:00 , ONLINE, Completely Online; Cynthia Pope ; 4 cr.
 53090 015 DIS, 00:00-00:00 , ONLINE, Completely Online; Cynthia Pope ; 4 cr.
 53179 009 DIS, Completely Online; Ryan Wold ; 4 cr.
 53239 016 DIS, 00:00-00:00 , ONLINE, Completely Online; Cynthia Pope ; 4 cr.
 53359 012 DIS, Completely Online; Rira Zamani ; 4 cr.
 53643 004 DIS, 09:45-11:00 MW, Bruininks Hall 119, Partially Online; Mark Brenden ; 4 cr.
 53862 020 DIS, 00:00-00:00 , ONLINE, Completely Online; William West ; 4 cr.
 53907 010 DIS, 17:30-20:00 T, Bruininks Hall 119, Partially Online; Clayton Benjamin ; 4 cr.
 53936 011 DIS, Completely Online; Jacqueline James ; 4 cr.
 53973 019 DIS, 00:00-00:00 , ONLINE, Completely Online; William West ; 4 cr.
 54670 017 DIS, 00:00-00:00 , ONLINE, Completely Online; Capper Nichols ; 4 cr.
 54857 018 DIS, Completely Online; Capper Nichols ; 4 cr.

3577W Rhetoric, Technology, and the Internet

(A-F only; TS,WI)
 53572 001 DIS, 16:30-17:45 MW, Nolte Center 229, In Person; John Logie ; 3 cr.

3671 Visual Rhetoric and Document Design

(A-F only;)
 53388 001 DIS, 14:30-15:45 MW, Nolte Center 229, In Person; John Logie ; 3 cr.

3701W Rhetorical Theory for Writing Studies

(A-F only; WI)
 53091 001 DIS, 14:30-15:45 TTh, Bruininks Hall 119, In Person; Richard Graff ; 3 cr.

3896 Internship in Technical Writing and Communication

(A-F only; Prereq: Writ 3562W and 24 credits completed in the Technical Writing & Communication major)
 53345 001 IND, 00:00-00:00 , Independent/Directed Study; Barbara Horvath ; 3 cr.

3993 Directed Study

(Student Option; Prereq: instr consent, dept consent, college consent)
 53974 001 IND, Independent/Directed Study; 1-4 cr.

4501 Usability and Human Factors in Technical Communication

(A-F only;)
 53945 001 DIS, 16:00-18:30 W, Bruininks Hall 420B, In Person; Nick Rosencrans ; 3 cr.

4662W Writing With Digital Technologies

(A-F only; Prereq: Jr or sr or instr consentWI)
 55060 001 DIS, 16:00-17:15 TTh, Bruininks Hall 119, In Person; Jim Hall ; 3 cr.

4999 Technical Writing and Communication Capstone

(A-F only;)
 55064 001 DIS, 09:05-11:35 M, Nolte Center 229, In Person; Meets With: 001 WRIT 4999H; Molly Kessler ; 3 cr.

4999H Technical Writing and Communication Honors Capstone

(A-F only;)
 55227 001 DIS, 09:05-11:35 M, Nolte Center 229, In Person; Meets With: 001 WRIT 4999; Molly Kessler ; 3 cr.

5112 Information Design: Theory and Practice

(A-F or Audit;)
 53735 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Dan Card ; 3 cr.

5196 Internship in Scientific and Technical Communication

(S-N or Audit;)

53377 001 IND, 00:00-00:00 , , Independent/Directed Study; 3-6 cr.

5291 Independent Study, Reading, and Research**(Student Option; Prereq: instr consent, dept consent)**

53181 001 IND, 00:00-00:00 , , Independent/Directed Study; ; 1-3 cr.

5501 Usability and Human Factors in Technical Communication**(A-F only;)**

55065 001 DIS, 00:00-00:00 , ONLINE, Completely Online; Jim Hall ; 3 cr.

5532 Practicum in Writing Pedagogies**(S-N only;)**

55066 001 DIS, 13:00-15:10 W, ONLINE BLENDED, 13:00-15:10 W, Nolte Center 235, Partially Online; Kris Cory ; 1 cr.

Youth Development and Research (YOST)**1001 Seeing Youth, Thinking Youth: Media, Popular Media, and Scholarship****(Student Option; CIV)**

50946 001 LEC, 10:40-12:35 F, McNeal Hall 10, In Person; Nate Whittaker ; 3 cr.

1366 Stories of Resistance & Change: Youth, Race, Power & Privilege in the U.S.**(Student Option; DSJ,LITR)**51223 001 LEC, 08:15-09:30 TTh, Peik Hall 375, In Person; Molly Cooney ; 3 cr.
51224 002 LEC, 13:00-14:15 MW, Peik Hall 375, In Person; Molly Rojas Collins ; 3 cr.
51285 003 LEC, 13:30-14:45 MW, Peters Hall 155, In Person; Jennifer Witt ; 3 cr.
51296 004 LEC, 10:15-11:30 TTh, Peters Hall 155, In Person; Molly Rojas Collins ; 3 cr.
51376 005 LEC, 13:30-14:45 TTh, Haecker Hall 205, In Person; K.C. Harrison ; 3 cr.
51578 006 LEC, 09:45-11:00 TTh, Peik Hall 375, In Person; Jennifer Witt ; 3 cr.**1368W Youth Global Perspectives****(Student Option; GP,WI,LITR)**51225 001 LEC, Completely Online; K.C. Harrison ; 4 cr.
51446 002 LEC, Completely Online; K.C. Harrison ; 4 cr.**2241 Experiential Learning****(Student Option; Prereq: YOST 1001 or instr consent)**

50954 001 LEC, 12:50-16:25 W, Peters Hall 5, In Person; Ray Aponte ; 4 cr.

3001 Introduction to History & Philosophy of Youthwork**(Student Option; Prereq: YOST 2xxx or instr consentDSJ,HIS)**

50904 001 LEC, 10:40-12:35 MW, Peters Hall 5, In Person; Kenneth Turck ; 4 cr.

3032 Adolescent and Youth Development for Youthworkers**(Student Option; Prereq: YOST 1001 or 2101, [any Psych or CPsy course], or instr consent)**

50853 001 LEC, 08:30-10:25 MW, Peters Hall 5, In Person; Meets With: 001 YOST 5032; Gabrielle Grier ; 4 cr.

3101 Youthwork: Orientations and Approaches**(Student Option; Prereq: One gen psy course, one gen soc course, or instr consent)**

50905 001 LEC, 08:30-10:25 TTh, Peters Hall 5, In Person; Ross VeLure Roholt ; 4 cr.

3291 Independent Study in Youth Studies**(Student Option; Prereq: instr consent)**50812 001 IND, Independent/Directed Study; Katie Johnston-Goodstar ; 1-9 cr.
50813 002 IND, Independent/Directed Study; Ross VeLure Roholt ; 1-9 cr.
50814 003 IND, Independent/Directed Study; Ceema Samimi ; 1-9 cr.
51201 004 IND, Independent/Directed Study; Saida Abdi ; 1-9 cr.

51510 005 IND, In Person; Molly Rojas Collins ; 1-9 cr.

68483 006 IND, In Person; Deborah Moore ; 1-9 cr.

3325W Project-Based Writing For Education and Human Development Majors**(Student Option; Prereq: 60+ undergraduate credits, declared major, or instr consentWI)**

51231 001 DIS, 12:50-14:45 TTh, Peters Hall 155, In Person; Molly Rojas Collins ; 4 cr.

4196 Youthwork Internship**(Student Option; Prereq: Declaration of youth studies major, or instr consent)**

50803 001 FWK, 12:50-14:45 M, Peters Hall 280, In Person; Nate Whittaker ; 4 cr.

4301 Communicating With Adolescents About Sexuality**(Student Option; Prereq: YOST 1001 or instr consent)**

66163 001 LEC, 15:00-18:50 M, Peters Hall 155, In Person; Meets With: 001 YOST 5301; Jessica Oliver-Tebben ; 3 cr.

4314 Theater Activities in Youthwork and Education**(Student Option; Prereq: 1001 or 2101)**

51193 001 LEC, 09:00-17:00 F, Student Center Theater, 10:00-17:00 Sa, McNeal Hall 10, 10:00-17:00 Sa, McNeal Hall 10, In Person; Fathimath (Eliza) Rasheed ; 2 cr.

4411 Youth Research and Youth Program Evaluation**(Student Option; Prereq: YoSt B.S. declaration & basic research methods course, or instr consent)**

50815 001 LEC, 10:40-12:35 TTh, Peters Hall 5, In Person; Deborah Moore ; 4 cr.

5032 Adolescent and Youth Development for Youthworkers**(Student Option; Prereq: [1001 or 2001 or 2002W or 2101], [any Psych or CPsy course])**

50854 001 LEC, 08:30-10:25 MW, Peters Hall 5, In Person; Meets With: 001 YOST 3032; Gabrielle Grier ; 4 cr.

5291 Independent Study in Youth Studies**(Student Option;)**50416 001 IND, Independent/Directed Study; Katie Johnston-Goodstar ; 1-8 cr.
50775 002 IND, Independent/Directed Study; Ross VeLure Roholt ; 1-8 cr.
50906 003 IND, Independent/Directed Study; Ceema Samimi ; 1-8 cr.**5301 Communicating With Adolescents About Sexuality****(Student Option; Prereq: [Upper div AdPy course, exper working with youth] or instr consent)**

66164 001 LEC, 15:00-18:50 M, Peters Hall 155, In Person; Meets With: 001 YOST 4301; Jessica Oliver-Tebben ; 3 cr.

5951 Ways of Knowing in Youth Development Leadership: Using Research and Evaluation to Support Community**(A-F only;)**

66228 001 DIS, 18:00-20:45 W, Peters Hall 74, 18:00-20:45 Th, ONLINE BLENDED, 18:00-20:45 W, Peters Hall 74, Partially Online; Katlin Okamoto ; 3 cr.

5954 Experiential Learning: Pedagogy for Community and Classroom**(Student Option;)**

51010 001 DIS, 18:00-20:45 T, Peters Hall 5, In Person; Terrance Ross ; 3 cr.

5958 Community: Context for Youth Development Leadership**(A-F or Audit;)**

51011 001 DIS, 18:00-20:45 M, Peters Hall 5, In Person; Hayley Tompkins ; 3 cr.

5960 Seminar in Youth Development Leadership**(S-N or Audit; Prereq: YDL student or instr consent)**

51012 001 LEC, In Person; Ross VeLure Roholt ; 1 cr.

5962 Leadership Field Experience: Youth Development**(S-N only; Prereq: YDL student)**

51013 001 FWK, In Person; Deborah Moore ; 4 cr.