

Academic Health Center Shared (AHS)

1101 Orientation to Health Careers

(Student Option No Audit;)

30215 001 LEC, 15:35-16:25 M, Health Sciences Edu Ctr 3-150, In Person Term Based; Scott Simpson ; 1 cr.

1102 Orientation to Health Careers

(Student Option No Audit;)

30216 001 LEC, Completely Online; Fred Williams ; 1 cr.

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

(A-F only;)

30218 001 LEC, 15:35-16:25 W, Phillips-Wangenstn Bldg 2-470, In Person Term Based; Andrew Slattengren, Tricia Todd ; 1 cr.

1602 Experiences in Health Care and Public Health

(Student Option No Audit;)

30217 001 FWK, 00:00-00:00 , ONLINE, Completely Online; Scott Simpson ; 2 cr.

2400 Writing a Personal Statement for a Health Program

(S-N only; Prerequisites: Junior or Senior status. Competitive GPA and demonstrated intention to apply to a professional health program. To be eligible for AHS 2400: 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 the student does not meet these requirements they will be unenrolled from the course.)

30227 001 DIS, 14:30-15:20 T, Twin Cities Remote, Completely Online; Dana Lovold, Fred Williams ; 1 cr.
30229 003 DIS, 10:10-11:00 Th, Twin Cities Remote, Completely Online; Dana Lovold, Fred Williams ; 1 cr.
30238 002 DIS, 10:10-11:00 W, Moos Health Sci Tower 2-565, In Person Term Based; Dana Lovold, Scott Simpson ; 1 cr.

Accounting (ACCT)

1911 The Language of Business

(A-F only;)

32759 001 LEC, 09:45-11:00 MW, Carlson School of Mgmt 2-219, In Person Term Based; Kendell Poch ; 3 cr.

2051 Introduction to Financial Reporting

(A-F or Audit;)

22893 002 LEC, 10:10-11:50 MW, Carlson School of Mgmt L-110, In Person Term Based; Tammy Naples ; 4 cr.
22894 003 LEC, 12:20-14:00 MW, Carlson School of Mgmt L-110, In Person Term Based; Salman Arif ; 4 cr.
22939 005 LEC, 16:00-17:40 TTh, Hanson Hall 1-106, In Person Term Based; Paul White ; 4 cr.
22940 006 LEC, 14:30-16:10 TTh, Carlson School of Mgmt L-110, In Person Term Based; Clayton Forester ; 4 cr.
22996 001 LEC, 08:00-09:40 MW, Hanson Hall 1-108, In Person Term Based; Paul White ; 4 cr.
23026 007 LEC, 14:30-16:10 MW, Carlson School of Mgmt 2-215, In Person Term Based; Johnny Yeo Sang Yoon ; 4 cr.
23286 008 LEC, 12:20-14:00 TTh, Anderson Hall 250, In Person Term Based; Clayton Forester ; 4 cr.
23428 004 LEC, 14:30-16:10 MW, Carlson School of Mgmt L-110, In Person Term Based; Pervin Shroff ; 4 cr.
32571 009 LEC, 08:00-09:40 TTh, Carlson School of Mgmt L-110, In Person Term Based; Tammy Naples ; 4 cr.
32572 070 LEC, Completely Online; Kendell Poch ; 4 cr.
34298 010 LEC, 16:40-18:20 MW, Carlson School of Mgmt L-110, In Person Term Based; Xinyuan Shao ; 4 cr.

3001 Strategic Management Accounting

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

22895 002 LEC, 14:30-15:45 MW, Hanson Hall 1-108, In Person Term Based; Clayton Forester ; 3 cr.
22896 003 LEC, 16:00-17:15 MW, Hanson Hall 1-102, In Person Term Based; Clayton Forester ; 3 cr.
23081 004 LEC, 09:45-11:00 TTh, Hanson Hall 1-108, In Person Term Based; Paul White ; 3 cr.
23154 001 LEC, 11:15-12:30 MW, Hanson Hall 1-102, In Person Term Based; Clayton Forester ; 3 cr.

5101 Intermediate Accounting I

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

22915 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 2-233, In Person Term Based; Benjamin Trnka ; 4 cr.
22916 002 LEC, 09:55-11:35 MW, Carlson School of Mgmt 2-224, In Person Term Based; Michael Iselin ; 4 cr.
23044 003 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-135, In Person Term Based; Scott Johnson ; 4 cr.
23045 004 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 1-135, In Person Term Based; Tammy Naples ; 4 cr.
23082 005 LEC, 13:45-15:25 TTh, Hubert H. Humphrey School 50B, In Person Term Based; Tammy Naples ; 4 cr.
23429 006 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-132, In Person Term Based; Scott Johnson ; 4 cr.

5102 Intermediate Accounting II

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

22917 003 LEC, 15:45-17:25 MW, Carlson School of Mgmt 2-224, In Person Term Based; Scott Johnson ; 4 cr.
23137 002 LEC, 09:55-11:35 TTh, Carlson School of Mgmt L-126, In Person Term Based; Scott Johnson ; 4 cr.
23287 001 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 1-135, In Person Term Based; 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])

22918 001 LEC, 15:45-17:25 MW, Carlson School of Mgmt L-114, In Person Term Based; John Grayson ; 4 cr.
22919 002 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 1-127, In Person Term Based; John Grayson ; 4 cr.
23192 003 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 1-127, In Person Term Based; Frank Beil ; 4 cr.

5126 Internal Auditing

(A-F or Audit; Prereq: 2050)

23297 001 LEC, 15:45-17:25 TTh, Hanson Hall 1-103, In Person Term Based; 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])

22920 001 LEC, 12:20-14:00 MW, Carlson School of Mgmt 2-215, In Person Term Based; Tammy Naples ; 4 cr.
22921 020 LEC, 17:45-21:05 M, Hanson Hall 1-103, In Person Term Based; 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)

23449 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 2-207, In Person Term Based; Helen Zhang ; 2 cr.
23450 002 LEC, 11:50-13:30 MW, Carlson School of Mgmt 2-207, In Person Term Based; Helen Zhang ; 2 cr.

5161 Financial Statement Analysis

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

22983 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 2-215, In Person Term Based; Frank Beil ; 2 cr.
23106 002 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 1-135, In Person Term Based; Frank Beil ; 2 cr.
23361 070 LEC, 17:45-21:05 W, Twin Cities Remote, Completely Online; Kendell Poch ; 2 cr.
23464 003 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-149, In Person Term Based; Kendell Poch ; 2 cr.

5201 Intermediate Management Accounting

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

22989 001 LEC, 12:20-14:00 TTh, Carlson School of Mgmt 1-149, In Person Term Based; Paul White ; 2 cr.
23288 002 LEC, 12:20-14:00 TTh, Hanson Hall 1-111, In Person Term Based; Paul White ; 2 cr.

5236 Introduction to Taxation of Business

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

22984 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-135, In Person Term Based; Roger Conlon ; 2 cr.

5420 MAcc directed study

(Student Option; Prereq: MAcc student)

23047 001 IND, In Person Term Based; Clayton Forester ; 1-4 cr.

Addiction Studies (ADDS)

5011 Foundations in Addiction Studies

(A-F only;)

29903 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Elizabeth Bassett ; 2 cr.

5021 Introduction to Evidence Based Practices and the Helping Relationship

(A-F only;)

29902 001 LEC, 18:00-21:15 Th, Ruttan Hall B30, In Person Term Based; Karvee Kawalawu ; 3 cr.

5061 Foundations of Group Work

(A-F only;)

29936 001 LEC, 12:30-16:00 Th, Ruttan Hall B22, In Person Term Based; Fiyaz Karim ; 3 cr.

5071 Foundations of Co-occurring Disorders

(A-F only;)

29935 301 LEC, Completely Online; Tom Hegblom ; 2 cr.
30021 302 LEC, Completely Online; Eugene Hall ; 2 cr.

5081 Multicultural Foundations of Behavioral Health

(A-F only;)

29935 001 LEC, 12:30-15:30 W, Peters Hall 145, In Person Term Based; Fiyaz Karim ; 3 cr.
30070 002 LEC, 17:30-20:30 Th, Ruttan Hall B26, In Person Term Based; Fiyaz Karim ; 3 cr.

5091 Assessment and Treatment Planning I

(A-F only;)

29934 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;)

29946 001 LEC, 08:00-09:30 W, Ruttan Hall B42, 09:00-12:00 Sa, Ruttan Hall B42, 09:00-12:00 Sa, Ruttan Hall B42, In Person Term Based; Ann Ingwalson ; 1 cr.

5993 Directed Study

(Student Option; Prereq: dept consent)

29952 001 IND, In Person Term Based; 1-3 cr.

5996 Internship in Behavioral Health

(S-N only;)

29939 101 IND, 08:00-09:30 W, Twin Cities Remote, 08:00-09:30 W, Twin Cities Remote, 08:00-09:30 W, Twin Cities Remote, 08:00-09:30 W, Twin Cities Remote, Completely Online; Ann Ingwalson ; 1 cr.
30024 102 IND, 08:00-09:30 W, Twin Cities Remote, 08:00-09:30 W, Twin Cities Remote, 08:00-09:30 W, Twin Cities Remote, Completely Online; Ann Ingwalson ; 1 cr.
30072 103 IND, 17:00-18:30 T, Twin Cities Remote, 17:00-18:30 T, Twin Cities Remote, 17:00-18:30 T, Twin Cities Remote, Completely Online; Emily Jensen ; 1 cr.
30073 104 IND, 17:00-18:30 T, Twin Cities Remote, 17:00-18:30 T, Twin Cities Remote, 17:00-18:30 T, Twin Cities Remote, Completely Online; Emily Jensen ; 1 cr.
34855 105 IND, 14:00-15:30 W, Twin Cities Remote, 14:00-15:30 W, Twin Cities Remote, Completely Online; Emily Jensen ; 1 cr.
34856 106 IND, 14:00-15:30 W, Twin Cities Remote, 14:00-15:30 W, Twin Cities Remote, 14:00-15:00 W, Twin Cities Remote, Completely Online; Emily Jensen ; 1 cr.

Adult Psychiatry (ADPY)

5515 Neuropsychology: University Hospitals

(O-N or Audit;)

27587 001 LEC, 00:00-00:00 , In Person Term Based; 3-9 cr.
27588 002 LEC, 00:00-00:00 , In Person Term Based; 3-9 cr.

Aerospace Engineering and Mech (AEM)

1305 Rocketry: Design, Build, and Fly

(Student Option No Audit; Prereq: Freshman, able to attend all-day flight activities)

34870 001 LEC, 15:35-17:30 T, Mechanical Engineering 456, In Person Term Based; James Flaten ; 2 cr.

2011 Statics

(A-F or Audit; Prereq: PHYS 1301W, [concurrent registration is required (or allowed) in Math 2374 or equiv], CSE)

24114 001 LEC, 09:05-09:55 MWF, Rapson Hall 100, In Person Term Based; Ariel Ibarra Pino ; 3 cr.
 24115 002 DIS, 10:10-11:00 T, Mechanical Engineering 25, In Person Term Based; 3 cr.
 24116 003 DIS, 11:15-12:05 T, Mechanical Engineering 102, In Person Term Based; 3 cr.
 24117 004 DIS, 14:30-15:20 T, Akerman Hall 215, In Person Term Based; 3 cr.
 26264 005 DIS, 15:35-16:25 T, Akerman Hall 313, In Person Term Based; 3 cr.

2012 Dynamics

(A-F or Audit; Prereq: 2011, [concurrent registration is required (or allowed) in Math 2373 or equiv], CSE student)

24118 001 LEC, 11:15-12:05 MWF, Akerman Hall 319, In Person Term Based; Demoz Gebre Egziabher ; 3 cr.
 24119 002 DIS, 12:20-13:10 T, Mechanical Engineering 102, In Person Term Based; 3 cr.
 24120 003 DIS, 13:25-14:15 T, Mechanical Engineering 25, In Person Term Based; 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)

24121 001 LEC, 12:20-13:10 MTWF, Anderson Hall 270, In Person Term Based; Todd Hesla ; 4 cr.
 24122 002 DIS, 11:15-12:05 Th, Mechanical Engineering 221, In Person Term Based; 4 cr.
 24123 003 DIS, 12:20-13:10 Th, Mechanical Engineering 321, In Person Term Based; 4 cr.
 24124 004 DIS, 14:30-15:20 Th, Mechanical Engineering 25, In Person Term Based; 4 cr.
 24364 005 DIS, 10:10-11:00 Th, Mechanical Engineering 102, In Person Term Based; 4 cr.
 34409 006 DIS, 12:20-13:10 Th, Pillsbury Hall 314, In Person Term Based; 4 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)

24125 001 LEC, 13:25-14:15 MWF, Keller Hall 3-210, In Person Term Based; Perry Leo ; 3 cr.
 24126 002 DIS, 10:10-11:00 Th, Mechanical Engineering 25, In Person Term Based; 3 cr.
 24127 003 DIS, 13:25-14:15 Th, Mechanical Engineering 25, In Person Term Based; 3 cr.
 24128 004 DIS, 14:30-15:20 Th, Akerman Hall 215, In Person Term Based; 3 cr.
 25501 005 DIS, 11:15-12:05 Th, Akerman Hall 317, In Person Term Based; 3 cr.

3101 Mathematical Modeling and Simulation in Aerospace Engineering

(A-F only; Prereq: [MATH 2373 or equiv], AEM major)

25807 001 LEC, 09:05-09:55 WF, Keller Hall 3-230, In Person Term Based; Yohannes Ketema ; 2 cr.
 33116 883 LEC, 09:05-09:55 WF, Twin Cities Remote, Completely Online; Yohannes Ketema ; 2 cr.

4201 Fluid Mechanics

(A-F or Audit; Prereq: 2012, [Math 2373 or equiv], [Math 2374 or equiv], [CSE upper div or grad student])

24130 001 LEC, Completely Online; Joseph Nichols ; 4 cr.
 27024 003 DIS, 10:10-12:05 W, Bruininks Hall 131B, In Person Term Based; Joseph Nichols ; 4 cr.
 27025 002 DIS, 10:10-12:05 M, Bruininks Hall 131B, In Person Term Based; Joseph Nichols ; 4 cr.

4253 Computational Fluid Mechanics

(A-F or Audit; Prereq: 4201, CSCI 1113, CSE upper division)

26013 001 LEC, 09:45-11:00 TTh, Akerman Hall 319, In Person Term Based; Meets With: 001 AEM 5253; Pramod Subbareddy ; 3 cr.

4293 Directed Studies in Fluid Mechanics

(Student Option; Prereq: dept consent)

26656 001 IND, In Person Term Based; 1-3 cr.

4321 Automatic Control Systems

(A-F or Audit; Prereq: CSE upper div or grad student)

25391 001 LEC, 13:25-14:15 MWF, Nicholson Hall 275, In Person Term Based; Meets With: 001 EE 4231; Donatello Materassi ; 3 cr.

4331 Aerospace Vehicle Design

(A-F only; Prereq: [2301, 4202, AEM sr] or instr consent)

24129 001 LEC, 15:35-16:25 MWF, Bruininks Hall 330, In Person Term Based; Joseph Mueller ; 4 cr.

24365 002 DIS, 16:40-17:30 MW, Akerman Hall 215, In Person Term Based; 4 cr.

24366 003 DIS, 16:40-17:30 MW, Akerman Hall 211, In Person Term Based; 4 cr.

25100 004 DIS, 16:40-17:30 MW, Akerman Hall 327, In Person Term Based; 4 cr.

25101 005 DIS, 16:40-17:30 MW, Akerman Hall 227, In Person Term Based; 4 cr.

4493 Directed Studies in Aerospace Systems

(Student Option; Prereq: dept consent)

26651 001 IND, In Person Term Based; 1-3 cr.

4502 Computational Structural Analysis

(Student Option; Prereq: [Grade of at least C in 4501, [CSE upper div or grad student]] or instr consent)

33265 001 LEC, 14:30-15:45 TTh, Akerman Hall 327, In Person Term Based; Ellad Tadmor ; 3 cr.

4602W Aeromechanics Laboratory

(A-F or Audit; Prereq: 4201, 4501, 4601, [WRIT 1301 or equiv], [CSE upper div or grad]WI)

24367 001 LEC, 14:30-15:20 MW, Akerman Hall 209, In Person Term Based; Suraj Ravindran, Melissa Green ; 4 cr.

24368 002 LAB, 08:00-11:00 T, Lab TBA, In Person Term Based; 4 cr.

24369 003 LAB, 11:15-14:15 T, Lab TBA, In Person Term Based; 4 cr.

24370 004 LAB, 14:30-17:30 T, Lab TBA, In Person Term Based; 4 cr.

24371 005 LAB, 08:00-11:00 Th, Lab TBA, In Person Term Based; 4 cr.

24372 006 LAB, 11:15-14:15 Th, Lab TBA, In Person Term Based; 4 cr.

25520 007 LAB, 14:30-17:30 Th, Lab TBA, In Person Term Based; 4 cr.

4796 Professional Experience

(A-F or Audit; Prereq: CSE upper div, AEM major, dept consent)

24555 001 FWK, 00:00-00:00 , , In Person Term Based; Yohannes Ketema ; 3 cr.

4896 International Professional Experience

(A-F only; Prereq: CSE upper div, AEM major, dept consent)

25735 001 FWK, 00:00-00:00 , , Independent/Directed Study; Yohannes Ketema ; 3 cr.

5253 Computational Fluid Mechanics

(A-F or Audit; Prereq: [4201 or equiv], [CSci 1113 or equiv], CSE grad student)

26002 001 LEC, 09:45-11:00 TTh, Akerman Hall 319, In Person Term Based; Meets With: 001 AEM 4253; Pramod Subbareddy ; 3 cr.

5321 Modern Feedback Control

(Student Option; Prereq: 4321 or EE 4231 or ME 5281 or equiv)

24230 001 LEC, 14:30-15:45 MW, Mechanical Engineering 108, In Person Term Based; Meets With: 001 EE 5231; Maziar Hemati ; 3 cr.

26015 883 LEC, 14:30-15:45 MW, Twin Cities Remote, Completely Online; Maziar Hemati ; 3 cr.

5401 Intermediate Dynamics

(A-F or Audit; Prereq: CSE upper div or grad, 2012, Math 2243)

24211 001 LEC, 11:15-12:05 MWF, Mechanical Engineering 102, In Person Term Based; Yohannes Ketema ; 3 cr.

26288 883 LEC, 11:15-12:05 MWF, Twin Cities Remote, Completely Online; Yohannes Ketema ; 3 cr.

5451 Optimal Estimation

(Student Option; Prereq: [[MATH 2243 or STAT 3021 or equiv], [4321 or EE 4231 or ME 5281 or equiv]] or instr consent)

25366 001 LEC, 13:00-14:15 TTh, Mechanical Engineering 108, In Person Term Based; Meets With: 001 EE 5251; Kirsten Strandjord ; 3 cr.

26018 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Kirsten Strandjord ; 3 cr.

5501 Continuum Mechanics

(Student Option; Prereq: CSE upper div or grad, 3031, Math 2243 or equiv or instr consent)

24214 001 LEC, 14:30-15:45 MW, Akerman Hall 227, In Person Term Based; Ryan Elliott ; 3 cr.

1000 Leadership Laboratory

(S-N or Audit;)

30116 001 LAB, 16:00-18:00 Th, Armory Building 116, 16:00-18:00 Th, Armory Building 100, In Person Term Based; Michael O'Donnell, Stephanie Servi ; 1 cr.
 30122 002 LAB, In Person Term Based; Christopher Halvorson, Stephanie Servi ; 1 cr.

1104 United States Air Force Heritage and Values I

(A-F or Audit;)

30109 001 LEC, 11:10-12:00 Th, Armory Building 105, In Person Term Based; Drew Wacker, Stephanie Servi ; 1 cr.
 30110 002 LEC, 15:00-15:50 Th, Armory Building 105, In Person Term Based; Drew Wacker, Stephanie Servi ; 1 cr.
 30124 003 LEC, In Person Term Based; Drew Wacker, Stephanie Servi ; 1 cr.
 30201 004 LEC, In Person Term Based; Drew Wacker, Stephanie Servi ; 1 cr.

1204 Team and Leadership Fundamentals I

(A-F or Audit;)

30111 001 LEC, 13:25-14:15 T, Armory Building 105, In Person Term Based; Stephanie Servi ; 1 cr.
 30123 002 LEC, 10:10-11:00 T, Armory Building 105, In Person Term Based; Stephanie Servi ; 1 cr.
 30172 003 LEC, In Person Term Based; Stephanie Servi ; 1 cr.

3301 Leading People and Effective Communication I

(A-F or Audit;)

30126 001 LEC, 17:00-19:00 M, Armory Building 105, In Person Term Based; Michael O'Donnell, Jonathan Carter ; 3 cr.
 30127 002 LEC, In Person Term Based; Michael O'Donnell, Jonathan Carter ; 3 cr.

3401 National Security Policy and Leadership Responsibilities I

(A-F or Audit;)

30115 001 LEC, 06:30-08:45 W, Armory Building 105, In Person Term Based; Jonathan Carter ; 3 cr.

African Amer & African Studies (AFRO)

1021 Introduction to Africa

(Student Option; GP)

21562 001 LEC, 09:45-11:00 MW, Hubert H. Humphrey School 184, In Person Term Based; Josef Woldense ; 3 cr.

3013 Cities and States in Ancient Africa

(A-F only; ENV)

21563 001 DIS, 13:00-14:15 TTh, Blegen Hall 130, In Person Term Based; Bula Wayessa ; 3 cr.

3015 Food Sovereignty in Africa

(A-F only; ENV,SOCS)

32711 001 DIS, 11:15-12:30 TTh, Blegen Hall 255, In Person Term Based; Meets With: 001 ANTH 5037001 AFRO 5015001 ANTH 3037; Bula Wayessa ; 3 cr.

3205 History of South Africa from 1910

(Student Option;)

34115 001 LEC, 13:00-14:15 TTh, Blegen Hall 110, In Person Term Based; Meets With: 001 HIST 3435; Helena Pohlandt-McCormick ; 3 cr.

3251W Sociological Perspectives on Race, Class, and Gender

(A-F or Audit; WI)

20159 001 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Rose Brewer ; 3 cr.

3301 The Music of Black Americans

(A-F only; AH,DSJ)

20815 001 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Meets With: 001 MUS 3301; Yolanda Williams ; 3 cr.

3433 Economic Development in Contemporary Africa

(A-F only; Prereq: APEC 1101 or ECON 1101GP,SOCS)

33102 001 LEC, 13:00-14:15 MW, Blegen Hall 155, In Person Term Based; Meets With: 001 APEC 3061; Tade Okediji ; 3 cr.

3436 Fighting for History: Historical Roots of Contemporary Crises in Africa

(Student Option;)

21810 001 LEC, 14:30-17:00 T, Anderson Hall 250, In Person Term Based; Meets With: 001 HIST 3436; Allen Isaacman ; 3 cr.

3578 Contemporary Sub-Saharan African Popular Art Forms

(A-F only; AH,TS)

33175 001 DIS, 11:15-12:30 MW, Blegen Hall 235, In Person Term Based; Njeri Githire ; 3 cr.

3654 African Cinema

(A-F only; AH,GP)

34248 001 DIS, 09:45-11:00 MW, Twin Cities Remote, Completely Online; Njeri Githire ; 3 cr.

3865 African American History: 1865 to the Present

(Student Option;)

34222 001 DIS, 11:15-12:30 MW, Walter W Heller Hall 1210, In Person Term Based; Meets With: 001 HIST 3865; Saje Mathieu, Yalile Surlil ; 3 cr.

3993 Directed Study

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

17832 001 IND, 00:00-00:00 , , In Person Term Based; 1-5 cr.

4105 Ways of Knowing in Africa and the African Diaspora

(A-F only;)

21869 001 DIS, 09:45-11:00 MW, Blegen Hall 415, In Person Term Based; Yuichiro Onishi ; 3 cr.

4478W Contemporary Politics in Africa and the Colonial Legacy

(Student Option; GP,WI)

21514 001 LEC, 14:30-15:45 MW, Blegen Hall 145, In Person Term Based; Meets With: 001 POL 4478W; Josef Woldense ; 3 cr.

4991W Thesis Research and Writing

(A-F or Audit; Prereq: dept consent,WI)

18769 001 IND, 00:00-00:00 , , In Person Term Based; Yuichiro Onishi ; 3 cr.

5015 Food Sovereignty in Africa

(A-F only; ENV,SOCS)

32712 001 DIS, 11:15-12:30 TTh, Blegen Hall 255, In Person Term Based; Meets With: 001 AFRO 3015001 ANTH 3037001 ANTH 5037; Bula Wayessa ; 3 cr.

5101 Seminar: Introduction to Africa and the African Diaspora

(Student Option;)

20419 001 LEC, 17:30-19:45 M, Twin Cities Remote, Completely Online; Rose Brewer ; 3 cr.

5625 Women Writers of Africa and the African Diaspora

(Student Option;)

33176 001 DIS, 14:45-17:00 T, Blegen Hall 235, In Person Term Based; Meets With: 001 AFRO 8910; Njeri Githire ; 3 cr.

5993 Directed Study

(Student Option; Prereq: instr consent)

18465 001 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.

Ag Educ, Comm & Mktg (AECM)

1001 Introduction to Agricultural Education, Communication & Marketing

(Student Option;)

22185 001 LEC, 11:45-12:35 T, Lrng & Environmental Sci 220, In Person Term Based; Garrett Steede ; 1 cr.
22663 002 DIS, 11:45-12:35 Th, Lrng & Environmental Sci 220, In Person Term Based; Garrett Steede ; 1 cr.

2096 Career Exploration & Early Field Experience in Agricultural Education, Communication, and Marketing

(A-F only;)

22660 001 LEC, 14:15-15:55 W, Lrng & Environmental Sci 230, In Person Term Based; Rebecca Swenson ; 2 cr.

2221W Foundations of Leadership Practice

(A-F or Audit; WI)

22758 001 LEC, 11:45-13:00 MW, Lrng & Environmental Sci 220, In Person Term Based; Jeffrey Stamp ; 3 cr.

2421W Professional Communication for Agriculture, Food, and the Environment

(A-F or Audit; WI)

22488 001 LEC, Completely Online; Rebecca Swenson ; 3 cr.
22489 002 DIS, 09:35-10:25 F, Ruttan Hall B36, In Person Term Based; Rebecca Swenson ; 3 cr.
22504 003 DIS, 10:40-11:30 F, Ruttan Hall B36, In Person Term Based; Rebecca Swenson ; 3 cr.
22505 004 DIS, 10:40-11:30 F, Ruttan Hall B30, In Person Term Based; Rebecca Swenson ; 3 cr.
22702 005 DIS, 11:45-12:35 F, Ruttan Hall B30, In Person Term Based; Rebecca Swenson ; 3 cr.

3000 Seminar on Current Issues in Agricultural Education

(A-F or Audit;)

31663 001 LEC, 11:45-12:35 TTh, Lrng & Environmental Sci 220, In Person Term Based; Amy Smith, Laura Rice ; 1 cr.

3051 Building Construction/Woodworking Technology

(A-F or Audit;)

32663 001 LAB, 11:45-14:00 F, Lrng & Environmental Sci 220, 11:45-14:00 MW, Lab TBA, In Person Term Based; Lee Thompson ; 4 cr.

3452 Digital Media Essentials for Agriculture, Food and the Environment

(A-F only;)

22720 001 LEC, 10:15-11:30 MW, Lrng & Environmental Sci 230, In Person Term Based; 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.)

22680 001 IND, Independent/Directed Study; Amy Smith ; 1-4 cr.
22681 002 IND, Independent/Directed Study; Rebecca Swenson ; 1-4 cr.
22682 003 IND, Independent/Directed Study; Troy McKay ; 1-4 cr.
22888 004 IND, Independent/Directed Study; Laura Rice ; 1-4 cr.

4444 Food and Agricultural Marketing Campaigns

(A-F only;)

22721 001 LEC, 10:15-11:30 TTh, Lrng & Environmental Sci 230, In Person Term Based; Garrett Steede ; 3 cr.

4451W Advanced Persuasive Writing for Agricultural and Environmental Sciences

(A-F or Audit; WI)

22662 001 LEC, 13:30-14:45 TTh, Lrng & Environmental Sci 230, In Person Term Based; Garrett Steede ; 3 cr.

4452 Virtual Field Trip Production for Agriculture, Food & Natural Resource Science Education & Comm

(A-F only; Prereq: AECM 3452 or Instructor Consent)

22764 001 LEC, 08:45-10:00 MW, Lrng & Environmental Sci 230, In Person Term Based; Troy McKay ; 3 cr.

5115 Foundations of Agricultural Education

(A-F only;)

22717 001 LEC, 08:45-11:25 F, Lrng & Environmental Sci 220, In Person Term Based; Amy Smith ; 3 cr.
32664 002 LEC, Completely Online; Amy Smith ; 3 cr.

5135 Instructional Methodology for Agricultural Education

(A-F only; Prerequisites: Junior or senior Ag Ed student or Ag Ed MS IL student)

32665 002 LEC, Completely Online; Laura Rice ; 3 cr.

5145 Agricultural Education Classroom & Program Leadership

(A-F only; Prereqs: Jr or Sr Ag Ed student or Ag Ed MS IL student)

32666 002 LEC, Completely Online; Amy Smith ; 3 cr.

5235 Experiential Learning in Agricultural Education

(Student Option;)

32814 001 LEC, Completely Online; Laura Rice ; 3 cr.

5696 Teaching Internship

(A-F only; Prereq: Admission to initial licensure program)

34281 001 FWK, In Person Term Based; Amy Smith, Laura Rice ; 2-10 cr.

5993 Directed Study in Agricultural Education and Extension

(Student Option;)

22227 001 IND, 00:00-00:00 , , Independent/Directed Study; Amy Smith ; 1-4 cr.
22443 002 IND, 00:00-00:00 , , Independent/Directed Study; Rebecca Swenson ; 1-4 cr.

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

(A-F or Audit;)

22183 001 IND, 00:00-00:00 , , Independent/Directed Study; Amy Smith ; 1-5 cr.
22444 002 IND, 00:00-00:00 , , Independent/Directed Study; Rebecca Swenson ; 1-5 cr.

Agronomy and Plant Genetics (AGRO)

1103 Crops, Environment, and Society

(Student Option; ENV)

22215 001 LEC, 10:15-11:30 TTh, Hodson Hall 495, In Person Term Based; Jacob Jungers ; 4 cr.
22216 003 LAB, 12:50-14:45 T, Plant Growth Facility 103, In Person Term Based; Jacob Jungers ; 4 cr.
22217 004 LAB, 15:00-16:55 T, Plant Growth Facility 103, In Person Term Based; Jacob Jungers ; 4 cr.
22218 002 LAB, 13:55-15:50 M, Plant Growth Facility 103, In Person Term Based; Jacob Jungers ; 4 cr.

1661W Engaging Plant Science

(A-F only; WI)

22371 001 LEC, 15:00-16:55 W, Plant Growth Facility 140A/B, In Person Term Based; Kevin Smith ; 2 cr.

2022 Growth and Development of Minnesota Field Crops

(S-N only; Prereqs: AGRO 1101 or HORT 1001 or BIOL 1009 or BIOL 1001 and AGRO 1103)

33062 001 LEC, 14:25-17:00 W, Plant Growth Facility 103, In Person Term Based; Mary Brakke ; 1 cr.

2402 The Science of Cannabis

(Student Option;)

22738 001 LEC, 15:00-16:50 W, Kaufert Laboratory 302, In Person Term Based; Peter Morrell ; 2 cr.

2501 Plant Identification for Urban and Rural Landscapes

(Student Option; Prereq: Biol 1009 or equiv)

22684 001 LEC, 13:55-14:45 Th, Plant Growth Facility 132, In Person Term Based; Bev Durgan ; 1 cr.
22685 002 LAB, 14:45-16:45 Th, Plant Growth Facility 132, In Person Term Based; Bev Durgan ; 1 cr.

3093 Directed Study

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

22249 001 IND, 00:00-00:00 , , In Person Term Based; Kevin Smith ; 1-4 cr.

3305 Agroecosystems of the world

(Student Option; GP)

22601 001 DIS, 08:45-10:00 TTh, Borlaug Hall 306, In Person Term Based; Mary Brakke ; 3 cr.

4093 Directed Studies for Advanced Students

(Student Option; Prereq: 15 cr in agronomy, instr consent)

22672 001 IND, In Person Term Based; Jochum Wiersma ; 1-4 cr.

4094W Undergraduate Directed Thesis Research

(S-N only; WI)

22449 001 IND, 00:00-00:00 , , Independent/Directed Study; Kevin Smith ; 2 cr.

4096W Professional Experience Program: Internships

(A-F only; WI)

22221 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Mary Brakke ; 2 cr.

4605 Strategies for Agricultural Production and Management

(Student Option; Prereq: 1101 or equivalent, [CHEM1015/17 or equivalent], SOIL1125 or equivalent], [jr or sr or grad student or instr consent])
22598 001 LEC, 11:45-12:35 TTh, McNeal Hall 316, In Person Term Based; Jacob Jungers ; 3 cr.
22599 002 DIS, 12:50-13:40 Th, McNeal Hall 316, In Person Term Based; Jacob Jungers ; 3 cr.

5021 Plant Breeding Principles

(Student Option;)
22631 001 LEC, 10:15-11:30 TTh, Borlaug Hall 306, In Person Term Based; James Anderson ; 3 cr.

5311 Research Methods in Crop Improvement and Production

(S-N or Audit; Prereq: applied plant sciences grad)
22323 001 DIS, 08:00-10:00 F, Borlaug Hall 306, In Person Term Based; James Anderson ; 1 cr.

5999 Special Topics: Workshop in

Agronomy
(Student Option;)
34516 001 LEC, 15:00-16:50 W, No Room Required, In Person Term Based; Peter Morrell ; 1-6 cr.

American Indian Studies (AMIN)

1001 Introduction to American Indian & Indigenous Peoples

(Student Option; DSJ)
21091 001 DIS, 16:00-18:30 Th, Scott Hall 4, In Person Term Based; Katherine Beane ; 3 cr.

1003 American Indians in Minnesota

(A-F or Audit; DSJ,HIS)
18779 001 LEC, 09:45-11:00 MW, West Bank Skyway 20, In Person Term Based; Alex Ghebregzi ; 3 cr.
19895 002 LEC, 11:15-12:30 MW, Nicholson Hall 120, In Person Term Based; Alex Ghebregzi ; 3 cr.
20050 003 LEC, 13:00-14:15 MW, Nicholson Hall 120, In Person Term Based; Alex Ghebregzi ; 3 cr.

3001 Public History

(A-F or Audit;)
21177 001 LEC, 17:00-19:30 W, Blegen Hall 240, In Person Term Based; Meets With: 090 HIST 3001001 AMST 3003; Andre Kobayashi Deckrow, Tracey Deutsch ; 3 cr.

3141 American Indian Language Planning

(A-F or Audit;)
19974 001 LEC, 12:20-13:10 MWF, Kolthoff Hall 136, In Person Term Based; Meets With: 001 AMIN 5141; Zoe Brown ; 3 cr.

3201W American Indian Literature

(A-F only; DSJ,WI,LITR)
18496 001 LEC, 16:00-17:15 TTh, Wulling Hall 240, In Person Term Based; Melissa Cundieff ; 3 cr.
19007 002 LEC, 13:00-14:15 TTh, Wulling Hall 240, In Person Term Based; E Ornelas ; 3 cr.

3312 American Indian Environmental Issues and Ecological Perspectives

(Student Option; ENV)
20604 001 LEC, 16:00-17:15 MW, Wulling Hall 220, In Person Term Based; Vicente Diaz ; 3 cr.

3409 American Indian Women: Ethnographic and Ethnohistorical Perspectives

(Student Option; DSJ,HIS)
20356 001 DIS, 09:00-11:30 Th, Twin Cities Remote, Completely Online; Meets With: 001 AMIN 5409; Christine DeLisle ; 3 cr.

3501 Indigenous Tribal Governments and Politics

(A-F or Audit; DSJ,HIS)
33496 001 LEC, 14:00-16:30 M, Ford Hall 170, In Person Term Based; Melanie Yazzie ; 3 cr.

3602 Archaeology and Native Americans

(Student Option; DSJ)
32490 001 LEC, 11:15-12:30 MW, Blegen Hall 220, In Person Term Based; Meets With: 001 AMIN 5602001 ANTH 3601001 ANTH 5601; Kat Hayes ; 3 cr.

3872 American Indian History: 1830 to the Present

(Student Option; DSJ,HIS)
20855 001 LEC, 16:00-18:30 T, Blegen Hall 130, In Person Term Based; Meets With: 090 HIST 3872; Jean O'Brien ; 3 cr.

4525W Federal Indian Policy

(Student Option; WI)
33497 001 LEC, 11:15-12:30 TTh, Nicholson Hall 355, In Person Term Based; Nick Estes ; 3 cr.

4994 Directed Research

(Student Option; Prereq:instr consent, dept consent, college consent.)
19062 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-12 cr.
33499 003 IND, In Person Term Based; Christopher Pexa ; 1-12 cr.

4996 Field Study

(Student Option; Prereq:instr consent, dept consent, college consent.)
18411 001 FWK, In Person Term Based; 1-12 cr.

5141 American Indian Language Planning

(A-F or Audit; Prereq: 3103 or 3123 or instr consent)
19975 001 LEC, 12:20-13:10 MWF, Kolthoff Hall 136, In Person Term Based; Meets With: 001 AMIN 3141; Zoe Brown ; 3 cr.

5602 Archaeology and Native Americans

(Student Option; DSJ)
21274 001 LEC, 11:15-12:30 MW, Blegen Hall 220, In Person Term Based; Meets With: 001 ANTH 5601001 AMIN 3602001 ANTH 3601; Kat Hayes ; 3 cr.

American Sign Language (ASL)

1701 American Sign Language I

(Student Option;)
16236 001 DIS, Completely Online; Jonathan Penny ; 5 cr.
16237 002 DIS, Completely Online; Brittney Stanek ; 5 cr.
16238 003 DIS, 08:30-10:25 MW, Lrng & Environmental Sci 140C, In Person Term Based; Shirley Applebee ; 5 cr.
16239 004 DIS, 10:40-12:35 MW, Lrng & Environmental Sci 140C, In Person Term Based; Jonathan Penny ; 5 cr.
16240 005 DIS, 12:50-14:45 MW, Lrng & Environmental Sci 140C, In Person Term Based; Bradley Neubarth ; 5 cr.
17017 007 DIS, 08:30-10:25 TTh, Lrng & Environmental Sci 140C, In Person Term Based; Nishani McCluskey ; 5 cr.
17082 008 DIS, 10:40-12:35 TTh, Lrng & Environmental Sci 140C, In Person Term Based; Bradley Neubarth ; 5 cr.
17163 009 DIS, 12:50-14:45 TTh, Lrng & Environmental Sci 140C, In Person Term Based; Nishani McCluskey ; 5 cr.
17383 006 DIS, 17:10-21:00 M, Lrng & Environmental Sci 140C, In Person Term Based; Shirley Applebee ; 5 cr.
34788 010 DIS, Completely Online; Brittney Stanek ; 5 cr.

1702 American Sign Language II

(Student Option; Prereq: 1701 with grade of at least [S or C-] or dept consent)
16241 001 DIS, Completely Online; Jonathan Penny ; 5 cr.
16242 004 DIS, 12:50-14:45 MW, Lrng & Environmental Sci 140B, In Person Term Based; Brittney Stanek ; 5 cr.
16687 005 DIS, 10:40-12:35 TTh, Lrng & Environmental Sci 140B, In Person Term Based; Brittney Stanek ; 5 cr.
17490 002 DIS, Completely Online; Bradley Hardin ; 5 cr.
33897 003 DIS, 10:40-12:35 MW, Lrng & Environmental Sci 140B, In Person Term Based; Bradley Hardin ; 5 cr.

3703 American Sign Language III

(Student Option; Prereq: 1702 with grade of at least [S or C-] or dept consent)
16242 002 DIS, 10:40-12:35 MW, Lrng & Environmental Sci 140A, In Person Term Based; Leah Dolezal ; 5 cr.
16243 004 DIS, 12:50-14:45 TTh, Lrng & Environmental Sci 140B, In Person Term Based; Shirley Applebee ; 5 cr.
16427 001 DIS, 08:30-10:25 MW, Lrng & Environmental Sci 140B, In Person Term Based; Bradley Neubarth ; 5 cr.
16428 005 DIS, 17:10-21:00 T, Lrng & Environmental Sci 140B, In Person Term Based; Leah Dolezal ; 5 cr.
17083 003 DIS, 15:00-16:55 MW, Lrng & Environmental Sci 140C, In Person Term Based; Bradley Neubarth ; 5 cr.

3704 American Sign Language IV

(Student Option; Prereq: 3703 with grade of at least [S or C-] or dept consent)
16245 003 DIS, 17:10-21:00 M, Lrng & Environmental Sci 140A, In Person Term Based; Nishani McCluskey ; 5 cr.
16246 004 DIS, 10:40-12:35 TTh, Lrng & Environmental Sci 140A, In Person Term Based; Bradley Hardin ; 5 cr.

16450 002 DIS, 12:50-14:45 MW, Lrng & Environmental Sci 140A, In Person Term Based; Shirley Applebee ; 5 cr.
33902 005 DIS, 15:00-16:55 TTh, Lrng & Environmental Sci 140B, In Person Term Based; Bradley Hardin ; 5 cr.

American Studies (AMST)

1012 Migrants, Refugees, Citizens, and Exiles: The U.S. on an Immigrant Planet

(Student Option; CIV)
20605 001 LEC, 13:00-14:15 MW, Wulling Hall 240, In Person Term Based; David Karjanen ; 3 cr.

2011 The United States since September 11

(Student Option; CIV,HIS)
19031 001 LEC, 09:45-11:00 MW, 10 Church Street SE 100, In Person Term Based; David Karjanen ; 3 cr.
21568 002 LEC, 14:30-15:45 TTh, Wulling Hall 240, In Person Term Based; Aaron Alvarado ; 3 cr.

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

(Student Option; DSJ,HIS)
20407 001 LEC, 13:00-14:15 TTh, Armory Building 116, In Person Term Based; Jennifer Pierce ; 3 cr.
21332 002 LEC, 16:00-17:15 TTh, Nicholson Hall 145, In Person Term Based; Kale Fajardo ; 3 cr.

3003 Public History

(A-F or Audit;)
21178 001 LEC, 17:00-19:30 W, Blegen Hall 240, In Person Term Based; Meets With: 090 HIST 3001001 AMIN 3001; Andre Kobayashi Deckrow, Tracey Deutsch ; 3 cr.

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

(Student Option; DSJ,HIS)
21144 001 LEC, 11:15-12:30 MW, Nicholson Hall 35, In Person Term Based; Elliott Powell ; 3 cr.

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

(Student Option; CIV,WI,HIS)
18806 001 LEC, 11:15-12:30 TTh, Tate Hall 101, In Person Term Based; Martin Manalansan ; 4 cr.
20798 002 DIS, 13:25-14:15 T, Burton Hall 123, In Person Term Based; 4 cr.
20799 003 DIS, 14:30-15:20 T, Nicholson Hall 335, In Person Term Based; 4 cr.
20800 004 DIS, 13:25-14:15 Th, Burton Hall 123, In Person Term Based; 4 cr.
20801 005 DIS, 14:30-15:20 W, Nicholson Hall 345, In Person Term Based; 4 cr.

3814 Women, Race, and Politics

(Student Option;)
21941 001 DIS, 11:15-12:05 TTh, Burton Hall 125, In Person Term Based; Alexandra Klapperich ; 3 cr.

3896 Internship for Academic Credit

(Student Option;)
21280 001 IND, Independent/Directed Study; David Karjanen ; 1-4 cr.

4101 Gender, Sexuality, and Politics in America

(Student Option; DSJ,HIS)
19925 001 LEC, 13:00-14:15 MW, Ford Hall 151, In Person Term Based; Meets With: 001 GLBT 4101; Elliott Powell ; 3 cr.

Anatomy (ANAT)

3001 Human Anatomy

(Student Option; Prereq: [BIOL 1002W or BIOL 1009 or BIOL 2002 or equiv], at least soph)
27807 001 LEC, 09:05-09:55 MWF, Mayo Bldg & Additions Auditori, In Person Term Based; Meets With: 002 ANAT 3001; Mark Cook, Ryan Knigge ; 3 cr.
28530 002 LEC, 09:05-09:55 MWF, Mayo Bldg & Additions Auditori, In Person Term Based; Meets With: 001 ANAT 3001; Mark Cook, Ryan Knigge ; 3 cr.

4900 Directed Studies in Anatomy

(S-N only; Prereq: instr consent)
27808 001 IND, 00:00-00:00 , , In Person Term Based; Anthony Weinhaus ; 1-6 cr.

5095 Advanced Problems in Anatomy

(A-F only; Prereq: one or more ANAT classes, instr consent)

27920 001 IND, 00:00-00:00 , , Independent/Directed Study; Anthony Weinhaus ; 1-6 cr.
 27921 002 IND, 00:00-00:00 , , Independent/Directed Study; Mark Cook ; 1-6 cr.

5150 Human Gross Anatomy

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

34714 001 LAB, 00:00-00:50 , , In Person Term Based; Anthony Weinhaus ; 5 cr.

Anesthesiology (ANES)**5587 Adv Clinical Physiology I for Nurse Anesthetists**

(A-F or Audit;)

27635 001 LEC, In Person Term Based; 3 cr.

Animal Science (ANSC)**1001 Orientation to Animal Science**

(A-F or Audit;)

22365 001 LEC, 15:00-15:50 T, Ruttan Hall B45, In Person Term Based; Melissa Palmer ; 1 cr.

1101 Introductory Animal Science

(Student Option;)

22671 001 LEC, 12:50-13:40 MWF, Ruttan Hall B45, In Person Term Based; Anthony Seykora ; 4 cr.
 22675 002 LAB, 15:00-16:55 W, Lab TBA, In Person Term Based; Anthony Seykora ; 4 cr.
 22676 003 LAB, 15:00-16:55 Th, Lab TBA, In Person Term Based; Anthony Seykora ; 4 cr.
 22677 004 LAB, 10:40-12:35 Th, Lab TBA, In Person Term Based; Anthony Seykora ; 4 cr.
 22678 005 LAB, 12:50-14:45 Th, Lab TBA, In Person Term Based; Anthony Seykora ; 4 cr.

1205 Animal Handling - Livestock

(A-F only;)

22649 001 LAB, 15:00-17:00 F, Lab TBA, In Person Term Based; Anthony Seykora ; 1 cr.

1403 Companion Animal Nutrition and Care

(Student Option;)

22726 001 LEC, Completely Online; Marshall Stern ; 3 cr.

1511 Food Animal Products for Consumers

(Student Option;)

22235 001 LEC, 09:35-10:25 MWF, Haecker Hall 205, In Person Term Based; Kyle Rozeboom ; 3 cr.

1701 Historical Influence of the Horse on Society

(Student Option; HIS)

22451 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Melissa Palmer ; 3 cr.

2011 Dairy Cattle Judging

(Student Option; Prereq: instr consent)

22225 001 FWK, 00:00-00:00 , , In Person Term Based; Les Hansen ; 2 cr.

2015 Animal Welfare Science and Ethics

(A-F only;)

22724 001 LEC, 10:15-11:30 TTh, Haecker Hall 205, In Person Term Based; Meets With: 001 ANSC 5015; Rielle Swanson ; 3 cr.

2016 Introduction to Applied Animal Behavior

(A-F only;)

22723 001 LEC, 13:30-14:45 TTh, Ruttan Hall B35, In Person Term Based; Rielle Swanson ; 3 cr.

2055 Horse Management

(Student Option;)

22390 001 LEC, Completely Online; Mary Raeth ; 2 cr.

2401 Animal Nutrition

(Student Option;)

22238 001 LEC, 09:35-10:25 W, Ruttan Hall B45, Partially Online; Mary Raeth ; 3 cr.

3011 Statistics for Animal Science

(Student Option;)

22472 001 LEC, 08:45-10:00 TTh, Ruttan Hall B35, In Person Term Based; Mary Raeth ; 4 cr.
 22473 002 LAB, 10:40-12:35 W, Ruttan Hall B36, In Person Term Based; Mary Raeth ; 4 cr.
 22474 003 LAB, 11:45-13:40 W, Ruttan Hall B36, In Person Term Based; Mary Raeth ; 4 cr.
 22834 004 LAB, 12:50-14:45 W, Ruttan Hall B36, In Person Term Based; Mary Raeth ; 4 cr.

3015 Animal Welfare Judging and Assessment

(Student Option;)

22669 001 LEC, 11:45-13:00 MW, McNeal Hall 10, In Person Term Based; Meets With: 001 ANSC 5035; Rielle Swanson ; 3 cr.

3092 Undergraduate Research in Animal Science

(A-F only;)

22437 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-3 cr.
 22703 002 IND, Independent/Directed Study; 1-3 cr.

3142 Advanced Livestock Judging

(Student Option; Prereq: instructor consent)

33341 001 LAB, In Person Term Based; Kyle Rozeboom ; 2 cr.

3221 Animal Breeding

(Student Option;)

22254 001 LEC, 08:30-09:20 MWF, Ruttan Hall B45, In Person Term Based; Anthony Seykora ; 4 cr.
 22255 002 LAB, 12:50-14:45 T, Andrew Boss Laboratory 125, In Person Term Based; Anthony Seykora ; 4 cr.
 22256 003 LAB, 15:00-16:55 T, Andrew Boss Laboratory 125, In Person Term Based; Anthony Seykora ; 4 cr.

3301 Human and Animal Physiology

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

33033 001 LEC, 10:40-11:30 MWF, Ruttan Hall B45, In Person Term Based; 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)

34148 001 LAB, 12:50-14:45 W, Animal Science / Vet Med 448, In Person Term Based; Melissa Palmer ; 1 cr.

3303W Human and Animal Physiology with lab

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

33030 001 LEC, 10:40-11:30 MWF, Ruttan Hall B45, In Person Term Based; Meets With: 001 ANSC 3301; Melissa Palmer ; 4 cr.
 33031 002 LAB, 13:55-15:50 T, Lab TBA, In Person Term Based; Melissa Palmer ; 4 cr.
 33032 003 LAB, 15:00-16:55 Th, Lab TBA, In Person Term Based; Melissa Palmer ; 4 cr.

3305 Reproductive Biology in Health and Disease

(Student Option; Prereq: Biol 1009 or equiv)

22324 001 LEC, 13:55-14:45 MWF, Haecker Hall 205, In Person Term Based; Laura Mauro ; 4 cr.
 22325 002 LAB, 09:35-11:30 T, Haecker Hall 430, In Person Term Based; Laura Mauro ; 4 cr.
 22326 003 LAB, 15:00-16:55 Th, Haecker Hall 430, In Person Term Based; Laura Mauro ; 4 cr.

3609 Business Planning for Animal Enterprises

(Student Option;)

22329 001 LEC, 12:50-14:45 T, Haecker Hall 205, In Person Term Based; Samuel Baidoo, Anup Kollanoor Johnny ; 2 cr.

4009W Undergraduate Research Thesis

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

22385 001 IND, 00:00-00:00 , , In Person Term Based; Laura Mauro ; 1-6 cr.

4092 Special Problems in Animal Science

(Student Option; Prereq: instr consent)

22236 001 IND, 00:00-00:00 , , In Person Term Based; Anthony Seykora ; 1-4 cr.
 22481 002 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.
 22650 003 IND, Independent/Directed Study; Melissa Palmer ; 1-4 cr.

22700 004 IND, Independent/Directed Study; 1-4 cr.

4093 Tutorial in Animal Science

(Student Option; Prereq: instr consent)

22237 001 IND, In Person Term Based; 1-4 cr.

4096 Professional Experience Program: Internship

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

22408 001 FWK, 00:00-00:00 , , Independent/Directed Study; Andres Gomez ; 1-3 cr.
 22409 002 FWK, 00:00-00:00 , , Independent/Directed Study; Les Hansen ; 1-3 cr.
 22410 003 FWK, 00:00-00:00 , , Independent/Directed Study; Kahina Boukherroub ; 1-3 cr.
 22411 004 FWK, 00:00-00:00 , , Independent/Directed Study; Laura Mauro ; 1-3 cr.
 22412 005 FWK, 00:00-00:00 , , Independent/Directed Study; Sally Noll ; 1-3 cr.
 22413 006 FWK, 00:00-00:00 , , Independent/Directed Study; Kyle Rozeboom ; 1-3 cr.
 22414 007 FWK, 00:00-00:00 , , Independent/Directed Study; Anthony Seykora ; 1-3 cr.
 22415 008 FWK, 00:00-00:00 , , Independent/Directed Study; Gerald Shurson ; 1-3 cr.
 22434 010 FWK, 00:00-00:00 , , Independent/Directed Study; Mary Raeth ; 1-3 cr.
 22600 011 FWK, 00:00-00:00 , , Independent/Directed Study; Melissa Palmer ; 1-3 cr.
 22606 012 FWK, 00:00-00:00 , , Independent/Directed Study; Anup Kollanoor Johnny ; 1-3 cr.
 22608 013 FWK, 00:00-00:00 , , Independent/Directed Study; Christopher Faulk ; 1-3 cr.
 22621 014 FWK, 00:00-00:00 , , In Person Term Based; Scott O'Grady ; 1-3 cr.
 22625 015 FWK, In Person Term Based; Milena Saqui-Salces ; 1-3 cr.
 22673 016 FWK, Independent/Directed Study; Isaac Salfer ; 1-3 cr.
 22679 017 FWK, In Person Term Based; Brian Crooker ; 1-3 cr.

4099 Special Workshop in Animal Science

(Student Option; Prereq: instr consent)

22638 001 IND, In Person Term Based; Anthony Seykora ; 1-4 cr.
 34310 002 IND, In Person Term Based; Kyle Rozeboom ; 1-4 cr.

4401 Swine Nutrition

(Student Option; Prereq: 2401, 3511 recommended)

22232 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Gerald Shurson, Pedro Urriola ; 3 cr.

4603 Beef Production Systems Management

(Student Option; Prereq: concurrent registration is required (or allowed) in 4613)

22383 002 LAB, 09:35-12:20 Th, Haecker Hall 430, In Person Term Based; Meets With: 002 ANSC 4613; Kris Ringwall ; 4 cr.
 22384 001 LEC, 08:30-09:20 TTh, Haecker Hall 205, In Person Term Based; Meets With: 001 ANSC 4613; Kris Ringwall ; 4 cr.

4613 Advanced Beef Production Systems Management

(Student Option; Prereq: 4603)

22386 001 LEC, 08:30-09:20 TTh, Haecker Hall 205, In Person Term Based; Meets With: 001 ANSC 4603; Kris Ringwall ; 2 cr.
 22387 002 LAB, 09:35-12:20 Th, Haecker Hall 430, In Person Term Based; Meets With: 002 ANSC 4603; Kris Ringwall ; 2 cr.

5015 Animal Welfare Science and Ethics

(A-F only;)

33368 001 LEC, 10:15-11:30 TTh, Haecker Hall 205, In Person Term Based; Meets With: 001 ANSC 2015; Rielle Swanson ; 3 cr.

5025 Gut Microbiome Systems

(A-F or Audit;)

22832 001 LEC, 10:15-11:30 WF, Ruttan Hall B42, In Person Term Based; Andres Gomez ; 3 cr.

5035 Animal Welfare Judging and Assessment

(A-F only;)

22743 001 LEC, 11:45-13:00 MW, McNeal Hall 10, In Person Term Based; Meets With: 001 ANSC 3015; Rielle Swanson ; 3 cr.

5099 Special Workshop in Animal Science

(Student Option; Prereq: instr consent)
33532 001 LEC, In Person Term Based; Bradley Heins ; 1-6 cr.

5200 Statistical Genetics and Genomics

(Student Option; Prereq: [Stat 3021 or equiv], [Biol 4003 or equiv])
33446 001 LEC, 10:15-12:00 T, Twin Cities Remote, Completely Online; Yang Da ; 4 cr.

5625 Nutritional Biochemistry

(Student Option; Prereq: BIOC 3021 or instr consent)
22458 001 LEC, 16:00-17:15 TTh, Haecker Hall 205, In Person Term Based; Meets With: 001 NUTR 5625; Chi Chen ; 3 cr.

5702 Cell Physiology

(A-F only ;)
22438 001 LEC, 11:40-12:30 MWF, Haecker Hall 205, In Person Term Based; Meets With: 001 PHSL 4702001 PHSL 5702; Scott O'Grady ; 4 cr.
22439 002 DIS, 11:40-12:30 T, Haecker Hall 265G, In Person Term Based; Meets With: 002 PHSL 5702; 4 cr.

Anthropology (ANTH)**1001 Human Evolution**

(Student Option; BIOL)
18493 001 LEC, 11:15-12:30 TTh, Willey Hall 175, In Person Term Based; Gilbert Tostevin ; 4 cr.
18506 002 LAB, 09:00-11:00 M, Blegen Hall 345, In Person Term Based; 4 cr.
18507 003 LAB, 11:15-13:15 M, Blegen Hall 345, In Person Term Based; 4 cr.
18508 004 LAB, 13:30-15:30 M, Blegen Hall 345, In Person Term Based; 4 cr.
18509 005 LAB, 15:45-17:45 M, Blegen Hall 345, In Person Term Based; 4 cr.
18510 006 LAB, 08:45-10:45 T, Blegen Hall 345, In Person Term Based; 4 cr.
18511 007 LAB, 13:00-15:00 T, Blegen Hall 345, In Person Term Based; 4 cr.
18512 008 LAB, 15:15-17:15 T, Blegen Hall 345, In Person Term Based; 4 cr.
18513 009 LAB, 09:00-11:00 W, Blegen Hall 345, In Person Term Based; 4 cr.
18514 010 LAB, 11:15-13:15 W, Blegen Hall 345, In Person Term Based; 4 cr.
18515 011 LAB, 13:30-15:30 W, Blegen Hall 345, In Person Term Based; 4 cr.
18516 012 LAB, 15:45-17:45 W, Blegen Hall 345, In Person Term Based; 4 cr.
18517 013 LAB, 08:45-10:45 Th, Blegen Hall 345, In Person Term Based; 4 cr.
18518 014 LAB, 13:00-15:00 Th, Blegen Hall 345, In Person Term Based; 4 cr.
20177 015 LAB, 11:15-13:15 F, Blegen Hall 345, In Person Term Based; 4 cr.
34311 016 LEC, 18:00-21:00 W, Blegen Hall 130, In Person Term Based; 4 cr.
34312 017 LAB, 18:00-20:00 Th, Blegen Hall 345, In Person Term Based; 4 cr.
34313 018 LAB, 18:00-20:00 M, Blegen Hall 345, In Person Term Based; 4 cr.

1003V Understanding Cultures: Honors

(A-F only; Prereq: HonorsGP,WI,SOCS)
18393 001 LEC, 13:00-14:15 MW, Willey Hall 125, In Person Term Based; Meets With: 001 ANTH 1003W; Karen-Sue Taussig ; 4 cr.
18394 002 DIS, 14:30-15:20 W, Hubert H. Humphrey School 60, In Person Term Based; Karen-Sue Taussig ; 4 cr.

1003W Understanding Cultures

(Student Option; GP,WI,SOCS)
18139 001 LEC, 13:00-14:15 MW, Willey Hall 125, In Person Term Based; Meets With: 001 ANTH 1003V; Karen-Sue Taussig ; 4 cr.
18140 002 DIS, 09:05-09:55 M, Blegen Hall 210, In Person Term Based; 4 cr.
18141 003 DIS, 10:10-11:00 M, Hubert H. Humphrey School 20, In Person Term Based; 4 cr.
18142 004 DIS, 14:30-15:20 M, Hubert H. Humphrey School 30, In Person Term Based; 4 cr.
18652 005 DIS, 10:10-11:00 W, Hubert H. Humphrey School 20, In Person Term Based; 4 cr.
19740 009 DIS, 14:30-15:20 W, Blegen Hall 260, In Person Term Based; 4 cr.
20185 006 DIS, 14:30-15:20 W, Blegen Hall 205, In Person Term Based; 4 cr.
20620 007 DIS, 09:05-09:55 Th, Blegen Hall 210, In Person Term Based; 4 cr.

21478 008 DIS, 14:30-15:20 M, Blegen Hall 260, In Person Term Based; 4 cr.
21479 010 DIS, 11:15-12:05 Th, Blegen Hall 205, In Person Term Based; 4 cr.
34314 011 LEC, 18:00-21:10 T, Blegen Hall 110, In Person Term Based; 4 cr.

1911W Changing Human Adaptations

(A-F only; ENV,WI)
33140 001 DIS, 09:45-11:00 MW, Blegen Hall 260, In Person Term Based; Martha Tappen ; 3 cr.

3001 Introduction to Archaeology

(Student Option; SOCS)
19441 001 LEC, 09:45-11:00 MW, Blegen Hall 155, In Person Term Based; Gilliane Monnier ; 4 cr.
19442 002 LAB, 11:20-13:15 M, Blegen Hall 318, In Person Term Based; 4 cr.
19443 003 LAB, 13:35-15:30 M, Blegen Hall 318, In Person Term Based; 4 cr.
21307 004 LAB, 15:50-17:45 M, Blegen Hall 318, In Person Term Based; 4 cr.

3003 Cultural Anthropology

(Student Option;)
18395 001 LEC, 11:15-12:30 TTh, Hubert H. Humphrey School 184, In Person Term Based; David Lipset ; 3 cr.

3004 Great Controversies in Anthropology

(A-F or Audit; GP,SOCS)
32872 001 LEC, 13:00-15:30 T, Blegen Hall 330, In Person Term Based; David Lipset ; 3 cr.

3005W Language, Culture, and Power

(Student Option; DSJ,WI,SOCS)
20068 001 LEC, 13:00-14:15 MW, Anderson Hall 330, In Person Term Based; David Valentine ; 4 cr.
20069 002 DIS, 14:30-15:20 M, Blegen Hall 115, In Person Term Based; 4 cr.
20070 003 DIS, 13:25-14:15 T, Hubert H. Humphrey School 30, In Person Term Based; 4 cr.
31659 004 DIS, 11:15-12:05 W, Blegen Hall 225, In Person Term Based; 4 cr.
33038 005 DIS, 14:30-15:20 W, Blegen Hall 115, In Person Term Based; 4 cr.

3009 Prehistoric Pathways to World

Civilizations
(Student Option; HIS)
21480 001 LEC, 09:45-11:00 TTh, Anderson Hall 330, In Person Term Based; Meets With: 001 ANTH 8009001 HIST 3066; Peter Wells ; 3 cr.

3036 The Body in Society

(Student Option;)
32873 001 LEC, 09:45-11:00 MW, Blegen Hall 205, In Person Term Based; David Valentine ; 3 cr.

3037 Food Sovereignty in Africa

(A-F only; ENV,SOCS)
34177 001 DIS, 11:15-12:30 TTh, Blegen Hall 255, In Person Term Based; Meets With: 001 ANTH 5037001 AFRO 3015001 AFRO 5015; Bula Wayessa ; 3 cr.

3043 Art, Aesthetics and Anthropology

(Student Option;)
21679 001 DIS, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; 3 cr.

3145W Urban Anthropology

(Student Option; WI)
31661 001 LEC, 11:15-12:30 MW, Blegen Hall 125, In Person Term Based; Meets With: 001 ANTH 5045W; Karen Ho ; 3 cr.

3306W Medical Anthropology

(A-F or Audit; Prereq: 1003 or 1005 or entry level soc sci course recommendedGP,WI)
20990 001 LEC, 18:00-20:30 T, Blegen Hall 5, In Person Term Based; Karen-Sue Taussig ; 3 cr.

3401 The Human Fossil Record

(A-F only; Prereq: 1001 or instr consent)
19738 001 LAB, 13:00-14:15 TTh, Blegen Hall 415, In Person Term Based; Meets With: 001 ANTH 5401; Kieran McNulty ; 3 cr.

3402 Zooarchaeology Laboratory

(A-F only;)
20811 001 LAB, 09:45-11:00 TTh, Blegen Hall 318, In Person Term Based; Meets With: 001 ANTH 5402; Martha Tappen ; 3 cr.

3501 Managing Museum Collections

(A-F or Audit;)

31664 001 LEC, 15:00-17:30 W, Blegen Hall 318, In Person Term Based; Meets With: 001 ANTH 5501; Matt Edling ; 3 cr.

3601 Archaeology and Native Americans

(Student Option; DSJ)
31666 001 LEC, 11:15-12:30 MW, Blegen Hall 220, In Person Term Based; Meets With: 001 ANTH 5601001 AMIN 3602001 AMIN 5602; Kat Hayes ; 3 cr.

3631 Islam in America: A History of the Present

(A-F or Audit;)
34153 001 DIS, 17:00-19:30 M, Twin Cities Remote, Completely Online; Meets With: 001 RELS 3631; Aisha Ghani ; 3 cr.

3913 Directed Study: Independent Capstone Project Planning

(A-F only; Prereq: [Jr or sr] anth major, instr consent)
18143 001 IND, 00:00-00:00 , In Person Term Based; Erin Durban ; 1 cr.
19508 002 IND, 00:00-00:00 , In Person Term Based; Aisha Ghani ; 1 cr.
19509 003 IND, 00:00-00:00 , In Person Term Based; Serra Hakyemez ; 1 cr.
19510 004 IND, 00:00-00:00 , In Person Term Based; Kat Hayes ; 1 cr.
19511 005 IND, 00:00-00:00 , In Person Term Based; Karen Ho ; 1 cr.
19512 006 IND, 00:00-00:00 , In Person Term Based; David Lipset ; 1 cr.
19513 008 IND, 00:00-00:00 , In Person Term Based; Kieran McNulty ; 1 cr.
19514 009 IND, 00:00-00:00 , In Person Term Based; Gilliane Monnier ; 1 cr.
19515 010 IND, 00:00-00:00 , In Person Term Based; Maria Nieves Colon ; 1 cr.
19516 011 IND, 00:00-00:00 , In Person Term Based; Hoon Song ; 1 cr.
19517 012 IND, 00:00-00:00 , In Person Term Based; Martha Tappen ; 1 cr.
19518 013 IND, 00:00-00:00 , In Person Term Based; Karen-Sue Taussig ; 1 cr.
19519 014 IND, 00:00-00:00 , In Person Term Based; Gilbert Tostevin ; 1 cr.
19520 015 IND, 00:00-00:00 , In Person Term Based; David Valentine ; 1 cr.
19521 016 IND, 00:00-00:00 , In Person Term Based; Peter Wells ; 1 cr.
19522 017 IND, 00:00-00:00 , In Person Term Based; Michael Wilson ; 1 cr.
19523 018 IND, 00:00-00:00 , In Person Term Based; Edward Fleming ; 1 cr.
20622 007 IND, In Person Term Based; Stuart McLean ; 1 cr.

4007 Laboratory Techniques in

Archaeology
(Student Option; Prereq: instr consent)
20175 001 FWK, 00:00-00:00 , In Person Term Based; Matt Edling ; 1-4 cr.

4013 Capstone Project Writing Seminar

(A-F only; Prereq: sr major, instr consent)
21425 001 DIS, 09:30-12:00 F, Hubert H. Humphrey School 389, In Person Term Based; Meets With: 001 ANTH 4013H; 3 cr.

4013H Capstone Project Writing Seminar

(A-F only; Prereq: Sr major, honors student, instr consent)
21426 001 DIS, 09:30-12:00 F, Hubert H. Humphrey School 389, In Person Term Based; Meets With: 001 ANTH 4013; 3 cr.

4077 Neanderthals: Biology and Culture of Humanity's Nearest Relative

(Student Option; Prereq: 1001 or 3001 or 3002 or instr consent)
32876 001 LEC, 14:00-16:30 Th, Blegen Hall 135, In Person Term Based; Gilliane Monnier ; 3 cr.

4093 In-Class Capstone Project

(A-F only;)
21248 001 IND, In Person Term Based; Erin Durban ; 1 cr.
21249 002 IND, In Person Term Based; Aisha Ghani ; 1 cr.
21250 003 IND, In Person Term Based; Serra Hakyemez ; 1 cr.
21251 004 IND, In Person Term Based; Kat Hayes ; 1 cr.
21252 005 IND, In Person Term Based; Karen Ho ; 1 cr.
21253 006 IND, In Person Term Based; David Lipset ; 1 cr.
21254 007 IND, In Person Term Based; Stuart McLean ; 1 cr.
21255 008 IND, In Person Term Based; Kieran McNulty ; 1 cr.

21256 009 IND, In Person Term Based; Gilliane Monnier ; 1 cr.
 21257 010 IND, In Person Term Based; Maria Nieves Colon ; 1 cr.
 21258 011 IND, In Person Term Based; Hoon Song ; 1 cr.
 21259 012 IND, In Person Term Based; Martha Tappen ; 1 cr.
 21260 013 IND, In Person Term Based; Karen-Sue Taussig ; 1 cr.
 21261 014 IND, In Person Term Based; Gilbert Tostevin ; 1 cr.
 21262 015 IND, In Person Term Based; David Valentine ; 1 cr.
 21263 016 IND, In Person Term Based; Peter Wells ; 1 cr.
 21264 017 IND, In Person Term Based; Michael Wilson ; 1 cr.
 21267 020 IND, In Person Term Based; Bula Wayessa ; 1 cr.

4329 Primate Ecology and Social Behavior (A-F or Audit; Prereq: BIOL 1009 or BIOL 1951 or BIOL 3411 or ANTH 1001 or instr consent)

31668 001 LEC, 14:30-15:45 TTh, Blegen Hall 220, In Person Term Based; Meets With: 001 EEB 4329; Michael Wilson ; 3 cr.
 31669 002 DIS, 16:00-16:50 T, Blegen Hall 260, In Person Term Based; 3 cr.
 31670 003 DIS, 13:25-14:15 Th, Blegen Hall 115, In Person Term Based; 3 cr.

4991 Independent Study

(Student Option; Prereq: instr consent)

18144 001 IND, 00:00-00:00 , , In Person Term Based; Erin Durban ; 1-6 cr.
 19634 002 IND, 00:00-00:00 , , In Person Term Based; Aisha Ghani ; 1-6 cr.
 19635 003 IND, 00:00-00:00 , , In Person Term Based; Serra Hakyemez ; 1-6 cr.
 19636 004 IND, 00:00-00:00 , , In Person Term Based; Kat Hayes ; 1-6 cr.
 19637 005 IND, 00:00-00:00 , , In Person Term Based; Karen Ho ; 1-6 cr.
 19638 006 IND, 00:00-00:00 , , In Person Term Based; David Lipset ; 1-6 cr.
 19639 008 IND, 00:00-00:00 , , In Person Term Based; Kieran McNulty ; 1-6 cr.
 19640 009 IND, 00:00-00:00 , , In Person Term Based; Gilliane Monnier ; 1-6 cr.
 19641 010 IND, 00:00-00:00 , , In Person Term Based; Maria Nieves Colon ; 1-6 cr.
 19642 011 IND, 00:00-00:00 , , In Person Term Based; Hoon Song ; 1-6 cr.
 19643 012 IND, 00:00-00:00 , , In Person Term Based; Martha Tappen ; 1-6 cr.
 19644 013 IND, 00:00-00:00 , , In Person Term Based; Karen-Sue Taussig ; 1-6 cr.
 19645 014 IND, 00:00-00:00 , , In Person Term Based; Gilbert Tostevin ; 1-6 cr.
 19646 015 IND, 00:00-00:00 , , In Person Term Based; David Valentine ; 1-6 cr.
 19647 016 IND, 00:00-00:00 , , In Person Term Based; Peter Wells ; 1-6 cr.
 19648 017 IND, 00:00-00:00 , , In Person Term Based; Michael Wilson ; 1-6 cr.
 20624 007 IND, In Person Term Based; Stuart McLean ; 1-6 cr.

4992 Directed Readings

(Student Option; Prereq: instr consent)

18145 001 IND, 00:00-00:00 , , In Person Term Based; Erin Durban ; 1-6 cr.
 19618 002 IND, 00:00-00:00 , , In Person Term Based; Aisha Ghani ; 1-6 cr.
 19619 003 IND, 00:00-00:00 , , In Person Term Based; Serra Hakyemez ; 1-6 cr.
 19620 004 IND, 00:00-00:00 , , In Person Term Based; Kat Hayes ; 1-6 cr.
 19621 005 IND, 00:00-00:00 , , In Person Term Based; Karen Ho ; 1-6 cr.
 19622 006 IND, 00:00-00:00 , , In Person Term Based; David Lipset ; 1-6 cr.
 19623 008 IND, 00:00-00:00 , , In Person Term Based; Kieran McNulty ; 1-6 cr.
 19624 009 IND, 00:00-00:00 , , In Person Term Based; Gilliane Monnier ; 1-6 cr.
 19625 010 IND, 00:00-00:00 , , In Person Term Based; Maria Nieves Colon ; 1-6 cr.
 19626 011 IND, 00:00-00:00 , , In Person Term Based; Hoon Song ; 1-6 cr.
 19627 012 IND, 00:00-00:00 , , In Person Term Based; Martha Tappen ; 1-6 cr.
 19628 013 IND, 00:00-00:00 , , In Person Term Based; Karen-Sue Taussig ; 1-6 cr.
 19629 014 IND, 00:00-00:00 , , In Person Term Based; Gilbert Tostevin ; 1-6 cr.
 19630 015 IND, 00:00-00:00 , , In Person Term Based; David Valentine ; 1-6 cr.
 19631 016 IND, 00:00-00:00 , , In Person Term Based; Peter Wells ; 1-6 cr.

19632 017 IND, 00:00-00:00 , , In Person Term Based; Michael Wilson ; 1-6 cr.
 20625 007 IND, In Person Term Based; Stuart McLean ; 1-6 cr.

4993 Directed Study

(Student Option; Prereq: instr consent)

18146 001 IND, 00:00-00:00 , , In Person Term Based; Erin Durban ; 1-6 cr.
 19602 002 IND, 00:00-00:00 , , In Person Term Based; Aisha Ghani ; 1-6 cr.
 19603 003 IND, 00:00-00:00 , , In Person Term Based; Serra Hakyemez ; 1-6 cr.
 19604 004 IND, 00:00-00:00 , , In Person Term Based; Kat Hayes ; 1-6 cr.
 19605 005 IND, 00:00-00:00 , , In Person Term Based; Karen Ho ; 1-6 cr.
 19606 006 IND, 00:00-00:00 , , In Person Term Based; David Lipset ; 1-6 cr.
 19607 008 IND, 00:00-00:00 , , In Person Term Based; Kieran McNulty ; 1-6 cr.
 19608 009 IND, 00:00-00:00 , , In Person Term Based; Gilliane Monnier ; 1-6 cr.
 19609 010 IND, 00:00-00:00 , , In Person Term Based; Maria Nieves Colon ; 1-6 cr.
 19610 011 IND, 00:00-00:00 , , In Person Term Based; Hoon Song ; 1-6 cr.
 19611 012 IND, 00:00-00:00 , , In Person Term Based; Martha Tappen ; 1-6 cr.
 19612 013 IND, 00:00-00:00 , , In Person Term Based; Karen-Sue Taussig ; 1-6 cr.
 19613 014 IND, 00:00-00:00 , , In Person Term Based; Gilbert Tostevin ; 1-6 cr.
 19614 015 IND, 00:00-00:00 , , In Person Term Based; David Valentine ; 1-6 cr.
 19615 016 IND, 00:00-00:00 , , In Person Term Based; Peter Wells ; 1-6 cr.
 19616 017 IND, 00:00-00:00 , , In Person Term Based; Michael Wilson ; 1-6 cr.
 20626 007 IND, In Person Term Based; Stuart McLean ; 1-6 cr.

4994W Directed Research

(Student Option; Prereq: instr consentWI)

18147 001 IND, 00:00-00:00 , , In Person Term Based; Erin Durban ; 1-6 cr.
 19587 002 IND, 00:00-00:00 , , In Person Term Based; Aisha Ghani ; 1-6 cr.
 19588 003 IND, 00:00-00:00 , , In Person Term Based; Serra Hakyemez ; 1-6 cr.
 19589 004 IND, 00:00-00:00 , , In Person Term Based; Kat Hayes ; 1-6 cr.
 19590 005 IND, 00:00-00:00 , , In Person Term Based; Karen Ho ; 1-6 cr.
 19591 006 IND, 00:00-00:00 , , In Person Term Based; David Lipset ; 1-6 cr.
 19592 008 IND, 00:00-00:00 , , In Person Term Based; Kieran McNulty ; 1-6 cr.
 19593 009 IND, 00:00-00:00 , , In Person Term Based; Gilliane Monnier ; 1-6 cr.
 19594 010 IND, 00:00-00:00 , , In Person Term Based; Maria Nieves Colon ; 1-6 cr.
 19595 011 IND, 00:00-00:00 , , In Person Term Based; Hoon Song ; 1-6 cr.
 19596 012 IND, 00:00-00:00 , , In Person Term Based; Martha Tappen ; 1-6 cr.
 19597 013 IND, 00:00-00:00 , , In Person Term Based; Karen-Sue Taussig ; 1-6 cr.
 19598 014 IND, 00:00-00:00 , , In Person Term Based; Gilbert Tostevin ; 1-6 cr.
 19599 015 IND, 00:00-00:00 , , In Person Term Based; David Valentine ; 1-6 cr.
 19600 016 IND, 00:00-00:00 , , In Person Term Based; Peter Wells ; 1-6 cr.
 19601 017 IND, 00:00-00:00 , , In Person Term Based; Michael Wilson ; 1-6 cr.
 20627 007 IND, In Person Term Based; Stuart McLean ; 1-6 cr.

5037 Food Sovereignty in Africa

(A-F only; ENV,SOCS)

34178 001 DIS, 11:15-12:30 TTh, Blegen Hall 255, In Person Term Based; Meets With: 001 AFRO 5015001 AFRO 3015001 ANTH 3037; Bula Wayessa ; 3 cr.

5045W Urban Anthropology

(Student Option; WI)

31662 001 LEC, 11:15-12:30 MW, Blegen Hall 125, In Person Term Based; Meets With: 001 ANTH 3145W; Karen Ho ; 3 cr.

5269 Analysis of Stone Tool Technology

(A-F or Audit;)

21715 001 LAB, 09:00-10:55 WF, Blegen Hall 318, In Person Term Based; Gilbert Tostevin ; 4 cr.

5401 The Human Fossil Record

(A-F only; Prereq: 1001 or instr consent)

19739 001 LAB, 13:00-14:15 TTh, Blegen Hall 415, In Person Term Based; Meets With: 001 ANTH 3401; Kieran McNulty ; 3 cr.

5402 Zooarchaeology Laboratory

(A-F only;)

20812 001 LAB, 09:45-11:00 TTh, Blegen Hall 318, In Person Term Based; Meets With: 001 ANTH 3402; Martha Tappen ; 3 cr.

5403 Quantitative Methods in Biological Anthropology

(Student Option; Prereq: Basic univariate statistics course or instr consent)

31671 001 LAB, 09:00-10:40 TTh, Blegen Hall 445, In Person Term Based; Kieran McNulty ; 4 cr.

5442 Archaeology of the British Isles

(A-F only;)

32878 001 LEC, 14:00-16:30 T, Hubert H. Humphrey School 184, In Person Term Based; Meets With: 001 ANTH 8510; Peter Wells ; 3 cr.

5501 Managing Museum Collections

(A-F or Audit;)

31665 001 LEC, 15:00-17:30 W, Blegen Hall 318, In Person Term Based; Meets With: 001 ANTH 3501; Matt Edling ; 3 cr.

5601 Archaeology and Native Americans

(Student Option; DSJ)

31667 001 LEC, 11:15-12:30 MW, Blegen Hall 220, In Person Term Based; Meets With: 001 ANTH 3601001 AMIN 5602001 AMIN 3602; Kat Hayes ; 3 cr.

Apparel Design (ADES)

1221 Apparel Assembly Fundamentals

(A-F or Audit;)

15220 001 LAB, 11:45-13:40 MW, McNeal Hall 205, In Person Term Based; Lucy Dunne ; 3 cr.
 15572 002 LAB, 09:35-11:30 MW, McNeal Hall 205, In Person Term Based; Luci Kandler ; 3 cr.

2196 Work Experience in Apparel Design

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

15258 001 FWK, Independent/Directed Study; Missy Bye ; 1-4 cr.
 15259 002 FWK, Independent/Directed Study; Linsey Griffin ; 1-4 cr.
 15260 003 FWK, Independent/Directed Study; 1-4 cr.
 15261 004 FWK, Independent/Directed Study; Lucy Dunne ; 1-4 cr.
 15586 005 FWK, Independent/Directed Study; Brad Holschuh ; 1-4 cr.

2213 Textile Analysis

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

15179 001 LEC, 08:30-09:20 MW, McNeal Hall 33, In Person Term Based; Missy Bye ; 4 cr.
 15180 002 LAB, 09:35-11:30 MW, McNeal Hall 250, In Person Term Based; Missy Bye ; 4 cr.
 15573 003 LAB, 08:30-10:25 TTh, McNeal Hall 250, In Person Term Based; Missy Bye ; 4 cr.
 33027 004 LAB, 15:00-16:55 MW, McNeal Hall 250, In Person Term Based; Missy Bye ; 4 cr.

2222 Apparel Design Studio II

(A-F or Audit; Prereq: [2221 or DHA 2221] with a grade of at least C-, Apparel Design major, pass portfolio review)

15639 001 LAB, 09:35-12:35 TTh, McNeal Hall 205, In Person Term Based; Linsey Griffin ; 4 cr.

3217 Fashion: Trends and Communication

(A-F or Audit;)

15181 001 DIS, Completely Online; Kathryn Reiley ; 3 cr.

3227 Technical Design Studio

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

15413 001 LAB, 12:50-15:50 TTh, McNeal Hall 205, In Person Term Based; Lucy Dunne ; 4 cr.

4193 Directed Study in Apparel Design

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

15250 001 IND, Independent/Directed Study; Missy Bye ; 1-4 cr.

15251 003 IND, Independent/Directed Study; 1-4 cr.
 15252 004 IND, Independent/Directed Study; Lucy Dunne ; 1-4 cr.
 15519 005 IND, Independent/Directed Study; Linsey Griffin ; 1-4 cr.
 15520 002 IND, Independent/Directed Study; 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)

15198 001 FWK, Independent/Directed Study; Missy Bye ; 1-4 cr.
 15223 003 FWK, Independent/Directed Study; 1-4 cr.
 15224 004 FWK, Independent/Directed Study; Lucy Dunne ; 1-4 cr.
 15517 005 FWK, Independent/Directed Study; Linsey Griffin ; 1-4 cr.
 15518 002 FWK, Independent/Directed Study; Brad Holschuh ; 1-4 cr.

4218W Fashion, Design, and the Global Industry

(A-F only; Prereq: Upper level undergraduate or grad studentWI)

33676 001 LEC, Completely Online; Kathryn Reiley ; 3 cr.

4225 Apparel Design Studio V

(A-F or Audit; Prereq: [[3224 or DHA 3224], [3225 or DHA 3225]] with grade of at least C-, apparel design major)

15195 001 LAB, 13:55-16:55 MW, McNeal Hall 205, In Person Term Based; Luci Kandler ; 4 cr.

Apparel Studies (APST)**5193 Directed Study in Apparel Studies**

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

15188 001 IND, Independent/Directed Study; Missy Bye ; 1-4 cr.
 15225 002 IND, Independent/Directed Study; Linsey Griffin ; 1-4 cr.
 15226 003 IND, Independent/Directed Study; Marilyn DeLong ; 1-4 cr.
 15227 004 IND, Independent/Directed Study; Lucy Dunne ; 1-4 cr.
 15228 005 IND, Independent/Directed Study; Brad Holschuh ; 1-4 cr.
 15229 006 IND, Independent/Directed Study; Hye-Young Kim ; 1-4 cr.
 15230 007 IND, Independent/Directed Study; Juanjuan Wu ; 1-4 cr.
 15460 008 IND, Independent/Directed Study; Hyunjoo Im ; 1-4 cr.

Applied Business (ABUS)**3051 Career Search for the Professional Environment**

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

29886 301 LEC, Completely Online; Carol Klempka ; 2 cr.
 29897 302 LEC, Completely Online; Alyssa Maples ; 2 cr.
 29981 303 LEC, Completely Online; Carol Klempka ; 2 cr.
 29998 304 LEC, Completely Online; Caroline Marin ; 2 cr.

3052 Career Building in the Remote Gig Economy

(A-F or Audit; Prerequisites: None)

30025 301 LEC, Completely Online; Uriah Giordana ; 2 cr.
 30029 302 LEC, Completely Online; Uriah Giordana ; 2 cr.

3201 Digital Design Strategies for Small Business

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

30026 301 LEC, Completely Online; David Husom ; 4 cr.
 31102 302 LEC, Completely Online; Jeff Neidt ; 4 cr.

3301 Introduction to Quality Management

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

29883 301 LEC, Completely Online; Karen Schaffhausen ; 3 cr.

3510 Communicating Virtually Across Global Teams in Applied Business Settings

(A-F or Audit;)

29927 301 LEC, Completely Online; Ann Lowry ; 4 cr.

4013W Legal, Ethical, and Risk Issues for Managers

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

29966 301 LEC, Completely Online; Deborah Mackay ; 3 cr.

4022W Management in Organizations

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

29815 301 LEC, Completely Online; Bradley Goodell ; 3 cr.
 29968 302 LEC, Completely Online; Bradley Goodell ; 3 cr.
 29975 303 LEC, Completely Online; Bradley Goodell ; 3 cr.

4023W Communicating for Results

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

29841 301 LEC, Completely Online; Bradley Goodell ; 3 cr.
 29882 302 LEC, Completely Online; Bradley Goodell ; 3 cr.

4041 Dynamics of Leadership

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

29812 301 LEC, Completely Online; David Kaiser ; 3 cr.
 29949 302 LEC, Completely Online; David Kaiser ; 3 cr.

4043 Project Management in Practice

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

29941 301 LEC, Completely Online; William Bengtson ; 3 cr.

4101 Accounting and Finance for Managers

(A-F or Audit; Prereq: Financial accounting, 45 cr)

29830 301 LEC, Completely Online; Uriah Giordana ; 3 cr.

4104 Management and Human Resource Practices

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

29813 301 LEC, Completely Online; Julie Tschida ; 3 cr.

4105 Becoming an Authentic Leader in an Applied Business Setting

(A-F or Audit; Prerequisites: None)

30027 301 LEC, Completely Online; Carol Klempka ; 3 cr.
 33570 302 LEC, Completely Online; Carol Klempka ; 3 cr.

4151 Innovation for Leaders and Organizations

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

29856 301 LEC, Completely Online; Richard Brynteson ; 3 cr.

4217 Real Estate Development: Process and Tools

(A-F or Audit; Prereq: 45 credits. Familiarity with finance and accounting concepts helpful.)

29931 301 LEC, Completely Online; Jody Tableporter ; 2 cr.

4501 Building and Running a Small Business Enterprise

(A-F or Audit; Prerequisites: None, although previous business experience or study will be helpful.)

29967 301 LEC, Completely Online; Geoffrey Kaufmann ; 4 cr.

4502 Inclusive Business Leadership: Advancing Diversity

(A-F or Audit;)

29999 301 LEC, Completely Online; Ralf Schirg ; 3 cr.

4515 Strategy and Management for a Sustainable Future

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

29885 301 LEC, Completely Online; Garth Hickle ; 3 cr.

4518 Leadership and Innovative Decision Making in Applied Business

(A-F or Audit; Prerequisites: None)

31101 301 LEC, Completely Online; Richard Brynteson ; 3 cr.

4545 Defying Racial Bias in the Workplace: Individual Action and Accountability

(A-F or Audit; Prerequisites: None)

30028 301 LEC, Completely Online; Phillip Hampton ; 3 cr.

4571W Introduction to Grant Writing for Health Care and Nonprofit Organizations

(A-F or Audit; WI)

29942 301 LEC, Completely Online; Catherine Mohn ; 3 cr.

4701 Introduction to Marketing

(A-F or Audit; Prereq: [Macroeconomics or microeconomics], 45 cr)

29832 301 LEC, Completely Online; Kay Rindels ; 3 cr.

4702 Applied Digital Marketing

(A-F or Audit; Prerequisites: None)

29985 301 LEC, Completely Online; Jeff Neidt ; 3 cr.

4993 Directed Study

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

29816 401 LEC, 00:00-00:00 , Independent/Directed Study; 1-3 cr.

Applied Economics (APEC)**1001 Orientation to Applied Economics**

(A-F or Audit;)

22188 001 LEC, 11:45-12:35 T, Ruttan Hall 143, In Person Term Based; Frances Homans ; 1 cr.

22664 002 DIS, 11:45-12:35 Th, Ruttan Hall 143, In Person Term Based; Frances Homans ; 1 cr.

1101 Principles of Microeconomics

(Student Option; GP,SOCS)

22459 005 DIS, 12:50-13:40 F, McNeal Hall 10, In Person Term Based; Jay Coggins ; 4 cr.

22460 007 DIS, 08:30-09:20 F, Ruttan Hall 143, In Person Term Based; Tade Okediji ; 4 cr.

22463 003 DIS, 10:40-11:30 F, McNeal Hall 10, In Person Term Based; Jay Coggins ; 4 cr.

22464 001 LEC, 13:30-14:45 MW, Ruttan Hall B35, In Person Term Based; Jay Coggins ; 4 cr.

22465 002 DIS, 09:35-10:25 F, McNeal Hall 10, In Person Term Based; Jay Coggins ; 4 cr.

22466 004 DIS, 11:45-12:35 F, McNeal Hall 10, In Person Term Based; Jay Coggins ; 4 cr.

22613 006 LEC, 08:45-10:00 MW, Ruttan Hall B35, In Person Term Based; Tade Okediji ; 4 cr.

22707 008 DIS, 09:35-10:25 F, Ruttan Hall 143, In Person Term Based; Tade Okediji ; 4 cr.

22767 009 DIS, 10:40-11:30 F, Ruttan Hall B22, In Person Term Based; Tade Okediji ; 4 cr.

22868 010 DIS, 11:45-12:35 F, Ruttan Hall B22, In Person Term Based; Tade Okediji ; 4 cr.

1201 Applications of Excel in Economics and Management

(Student Option;)

22691 001 LAB, Completely Online; Thomas Durfee ; 1 cr.
 22768 002 LAB, 11:45-12:35 TTh, Lrng & Environmental Sci 230, In Person Term Based; Yun Taek Oh ; 1 cr.

1251 Principles of Accounting

(A-F only;)

22189 001 LEC, 11:45-12:35 MWF, Ruttan Hall B45, In Person Term Based; Gary Cooper ; 3 cr.

1905 The Ordinary Business of Life: Issues in Business, Government, and Macroeconomics

(A-F only; Prereq: freshman)

32672 001 LEC, 15:35-18:30 Th, Blegen Hall 115, In Person Term Based; Gary Cooper ; 3 cr.

1906 The Farm Bill's Impact on You

(A-F only;)

33115 001 LEC, 10:40-11:30 M, Ruttan Hall B26, In Person Term Based; Michael Boland ; 1 cr.

3001 Applied Microeconomics: Consumers, Producers, and Markets

(Student Option; Prereq: [[1101 or ECON 1101 or 1101H or ECON 1101H], [MATH 1142 or MATH 1271]] or instr consent; intended for undergrads in [Ag/Food Bus Mgmt, Appl Econ])

22190 001 LEC, 10:15-11:30 TTh, McNeal Hall 33, In Person Term Based; Jason Kerwin ; 4 cr.

22191 002 DIS, 10:40-11:30 F, Ruttan Hall 143, In Person Term Based; Jason Kerwin ; 4 cr.

22316 003 DIS, 11:45-12:35 F, Ruttan Hall 143, In Person Term Based; Jason Kerwin ; 4 cr.

3002 Managerial Economics

(Student Option; Prereq - ApEc 3001 or Econ 3101 AND SCO 2550 or Stat 3011)

22192 001 LEC, 10:15-11:30 TTh, Ruttan Hall 143, In Person Term Based; Terry Hurley ; 4 cr.

22193 002 LAB, 10:40-12:35 W, Coffey Hall 50, In Person Term Based; Terry Hurley ; 4 cr.

22194 003 LAB, 12:50-14:45 W, Coffey Hall 50, In Person Term Based; Terry Hurley ; 4 cr.

3006 Applied Macroeconomics: Government and the Economy

(Student Option; Prereq: [[1102 or Econ 1102], [3001 or Econ 3101]] or instr consent)

22195 001 LEC, 13:30-14:45 TTh, Twin Cities Remote, Completely Online; Pamela Smith ; 3 cr.

3061 Economic Development in Contemporary Africa

(A-F only; Prereq: 1101 or ECON 1101GP,SOCS)
33099 001 LEC, 13:00-14:15 MW, Blegen Hall 155, In Person Term Based; Meets With: 001 AFRO 3433; Tade Okediji ; 3 cr.

3202 An Introduction to the Food System: Analysis, Management and Design (Student Option;)

22609 001 LEC, 08:45-10:00 TTh, Ruttan Hall B25, In Person Term Based; Hikaru Peterson ; 3 cr.

3411 Commodity Marketing

(Student Option; Prereq: 1101 or Econ 1101)
22198 001 LEC, 09:35-10:25 M, Ruttan Hall B45, Partially Online; Meets With: 001 APEC 5411; Edward Usset ; 3 cr.

3480 Topics in Applied Economics

(Student Option;)
32628 001 LEC, 15:00-16:15 M, Ruttan Hall B42, In Person Term Based; Michael Boland ; 1-4 cr.

3501 Agribusiness Finance

(Student Option; Prereq: [[1251 or Acct 2050], 60 cr] or instr consent)
22199 001 LEC, 08:45-10:00 TTh, Ruttan Hall 143, In Person Term Based; Marin Bozic ; 3 cr.

3551 Concept Design and Value-Added Entrepreneurship in Food, Agricultural and Natural Resource Sciences

(A-F only;)
22770 001 LEC, 15:00-16:15 MW, Ruttan Hall 143, In Person Term Based; Jeffrey Stamp ; 3 cr.
22843 002 LEC, Completely Online; Jeffrey Stamp ; 3 cr.

3811 Principles of Farm Management

(Student Option; Prereq: 1101 or Econ 1101)
22487 001 LEC, 10:15-11:30 MW, Ruttan Hall 135B, In Person Term Based; Rebecca Weir ; 3 cr.

3841 Agricultural and Consumer Cooperatives and Mutuals

(Student Option;)
22797 001 LEC, 16:30-17:45 M, Ruttan Hall 143, Partially Online; Meets With: 001 APEC 5841; Michael Boland ; 3 cr.

3993 Directed Study in Applied Economics (Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements.)

22774 001 IND, Independent/Directed Study; ; 1-4 cr.
22775 002 IND, Independent/Directed Study; ; 1-4 cr.
22776 003 IND, Independent/Directed Study; ; 1-4 cr.

4451W Food Marketing Economics

(Student Option; Prereq: [[1101 or Econ 1101], [1101H or Econ 1101H], SCO 2550 or STAT 3011 or equiv, 60 cr] or instr consentCIV,WI)
22200 001 LEC, 11:45-13:00 TTh, Ruttan Hall B36, In Person Term Based; Meets With: 001 APEC 5451; Hikaru Peterson ; 3 cr.

5031 Methods of Economic Data Analysis (Student Option; Prereq: APEC 3001, Math 1142 or Math 1272, Stat 3001 or Sco 2550 or grad student or instructor consent)

22322 001 LEC, 16:30-17:45 TTh, Ruttan Hall B30, In Person Term Based; Caroline Carlin ; 3 cr.

5151 Applied Microeconomics: Firm and Household

(Student Option; Prereq: (APEC 3001, Math 1142 or Math 1272, and Stat 3011 or Sco 2550) or equiv or grad student or instr consent)
22231 001 LEC, 15:00-16:15 TTh, Ruttan Hall B26, In Person Term Based; Jason Kerwin ; 3 cr.

5411 Commodity Marketing

(Student Option; Prereq: graduate student and 1101 or Econ 1101)
22652 001 LEC, 09:35-10:25 M, Ruttan Hall B45, Primarily Online; Meets With: 001 APEC 3411; Edward Usset ; 3 cr.

5451 Food Marketing Economics

(A-F or Audit;)
22337 001 LEC, 11:45-13:00 TTh, Ruttan Hall B36, In Person Term Based; Meets With: 001 APEC 4451W; Hikaru Peterson ; 3 cr.

5841 Agricultural and Consumer Cooperatives and Mutuals

(Student Option;)
22798 001 LEC, 16:30-17:45 M, Ruttan Hall 143, Partially Online; Meets With: 001 APEC 3841; Michael Boland ; 3 cr.

5991 Independent Study in Applied Economics

(Student Option; Prereq: instr consent)
22777 001 IND, Independent/Directed Study; Carlisle Runge ; 1-4 cr.
22778 002 IND, Independent/Directed Study; 1-4 cr.
22779 003 IND, Independent/Directed Study; ; 1-4 cr.
22780 004 IND, Independent/Directed Study; ; 1-4 cr.

Applied Professional Studies (APS)

5104 Conservation at Botanic Gardens

(A-F or Audit;)
33744 001 LEC, 13:00-15:00 F, No Room Required, 13:00-15:00 F, No Room Required, 13:00-15:00 F, No Room Required, 13:00-15:00 F, McNeal Hall 146, 13:00-15:00 F, McNeal Hall 146, 13:00-15:00 F, McNeal Hall 146, In Person Term Based; David Remucal ; 1 cr.

5950 Topics in APS

(A-F only;)
33748 101 LEC, 15:30-17:30 W, Ruttan Hall B35, Partially Online; Michael Barnes ; 1-3 cr.

Arabic (ARAB)

1101 Beginning Arabic I

(Student Option No Audit;)
19976 001 LEC, 09:05-09:55 MTWThF, Folwell Hall 5, In Person Term Based; Meets With: 001 ARAB 4101; Casey Lagueras ; 5 cr.
19977 002 LEC, 10:10-11:00 MTWThF, Folwell Hall 32, In Person Term Based; Meets With: 002 ARAB 4101; Casey Lagueras ; 5 cr.
19978 003 LEC, 13:25-14:15 MTWThF, Folwell Hall 28, In Person Term Based; Meets With: 003 ARAB 4101; Nasr Abdo ; 5 cr.
19979 004 LEC, 14:30-15:20 MTWThF, Folwell Hall 31, In Person Term Based; Meets With: 004 ARAB 4101; Nasr Abdo ; 5 cr.

3101 Intermediate Arabic I

(Student Option No Audit; Prereq: pass in Arab 1102/4102 or equivalent experience as assessed through a placement test.)
18976 002 LEC, 09:05-09:55 MTWThF, Folwell Hall 30, In Person Term Based; Meets With: 002 ARAB 4121; Katrien Vanpee ; 5 cr.
19158 001 LEC, 08:00-08:50 MTWThF, Folwell Hall 10, In Person Term Based; Meets With: 001 ARAB 4121; Casey Lagueras ; 5 cr.
19712 003 LEC, 16:40-17:30 MTWThF, Folwell Hall 10, In Person Term Based; Meets With: 003 ARAB 4121; Nasr Abdo ; 5 cr.

3290 Arabic Language Teaching Tutorial (S-N only; Prereq: Grade of A in 3102/4122)

19766 001 FWK, In Person Term Based; Katrien Vanpee ; 1 cr.

3900 Topics in Arabic

(A-F only;)
33533 001 LEC, 18:15-19:05 T, Folwell Hall 123, In Person Term Based; Nasr Abdo ; 1-4 cr.

3993 Directed Study

(Student Option; Prereq: instr consent, dept consent, college consent.)
19939 001 IND, In Person Term Based; Katrien Vanpee ; 1-5 cr.

4101 Beginning Arabic I for Graduate Student Research

(Student Option No Audit;)
19414 001 LEC, 09:05-09:55 MTWThF, Folwell Hall 5, In Person Term Based; Meets With: 001 ARAB 1101; Casey Lagueras ; 5 cr.
19416 002 LEC, 10:10-11:00 MTWThF, Folwell Hall 32, In Person Term Based; Meets With: 002 ARAB 1101; Casey Lagueras ; 5 cr.
19417 003 LEC, 13:25-14:15 MTWThF, Folwell Hall 28, In Person Term Based; Meets With: 003 ARAB 1101; Nasr Abdo ; 5 cr.

19418 004 LEC, 14:30-15:20 MTWThF, Folwell Hall 31, In Person Term Based; Meets With: 004 ARAB 1101; Nasr Abdo ; 5 cr.

4121 Intermediate Arabic I for Graduate Student Research

(Student Option No Audit; Prereq: pass in Arab 1102/4102 or equivalent experience as assessed through a placement test.)
19415 001 LEC, 08:00-08:50 MTWThF, Folwell Hall 10, In Person Term Based; Meets With: 001 ARAB 3101; Casey Lagueras ; 5 cr.
19419 002 LEC, 09:05-09:55 MTWThF, Folwell Hall 30, In Person Term Based; Meets With: 002 ARAB 3101; Katrien Vanpee ; 5 cr.
19713 003 LEC, 16:40-17:30 MTWThF, Folwell Hall 10, In Person Term Based; Meets With: 003 ARAB 3101; Nasr Abdo ; 5 cr.

5040 Readings in Arabic Texts

(A-F only;)
34616 001 DIS, 13:55-15:50 Th, Jones Hall 127A, In Person Term Based; Katrien Vanpee ; 2-4 cr.

5101 Advanced Arabic I

(Student Option No Audit; Prereq: Grade B- or higher in 3102 or instr consent)
17966 001 LEC, 10:10-11:00 MTWTh, Folwell Hall 107, In Person Term Based; Katrien Vanpee ; 4 cr.

5993 Directed Studies

(Student Option;)
21319 001 IND, In Person Term Based; 1-5 cr.

Arabic Lang/Culture in Morocco (MRCO)

Architecture (ARCH)

1281 Design Fundamentals I

(A-F only; AH)
15424 001 LEC, 10:10-11:00 M, Rapson Hall 56, In Person Term Based; Benjamin Smith ; 4 cr.
15425 002 LEC, 10:10-11:00 W, Rapson Hall 56, In Person Term Based; Benjamin Smith ; 4 cr.
15426 003 LAB, 13:30-15:30 TTh, Lab TBA, In Person Term Based; Benjamin Smith ; 4 cr.
15427 004 LAB, 13:30-15:30 TTh, Lab TBA, In Person Term Based; Benjamin Smith ; 4 cr.
15428 005 LAB, 13:30-15:30 TTh, Lab TBA, In Person Term Based; Benjamin Smith ; 4 cr.
15429 006 LAB, 13:30-15:30 TTh, Lab TBA, In Person Term Based; Benjamin Smith ; 4 cr.
15430 013 LAB, 15:45-17:45 TTh, Lab TBA, In Person Term Based; Benjamin Smith ; 4 cr.
15432 012 LAB, 15:45-17:45 TTh, Lab TBA, In Person Term Based; Benjamin Smith ; 4 cr.
15433 011 LAB, 15:45-17:45 TTh, Lab TBA, In Person Term Based; Benjamin Smith ; 4 cr.
15650 010 LAB, 15:45-17:45 TTh, Lab TBA, In Person Term Based; Benjamin Smith ; 4 cr.
34627 007 LAB, 13:30-15:30 TTh, Lab TBA, In Person Term Based; Benjamin Smith ; 4 cr.

1621V Introduction to Critical Inquiry in Practice

(A-F only; WI)
15658 001 LEC, 11:15-12:30 MW, Rapson Hall 100, In Person Term Based; Meets With: 001 ARCH 1621W; Gayla Lindt ; 3 cr.
15659 002 DIS, 11:15-12:05 F, Akerman Hall 211, In Person Term Based; Gayla Lindt ; 3 cr.

1621W Introduction to Critical Inquiry in Practice

(A-F only; WI)
15651 001 LEC, 11:15-12:30 MW, Rapson Hall 100, In Person Term Based; Meets With: 001 ARCH 1621W; Gayla Lindt ; 3 cr.
15652 002 DIS, 09:05-09:55 F, Akerman Hall 327, In Person Term Based; Gayla Lindt ; 3 cr.
15653 003 DIS, 09:05-09:55 F, Akerman Hall 227, In Person Term Based; Gayla Lindt ; 3 cr.
15654 004 DIS, 10:10-11:00 F, Akerman Hall 327, In Person Term Based; Gayla Lindt ; 3 cr.
15655 005 DIS, 10:10-11:00 F, Akerman Hall 227, In Person Term Based; Gayla Lindt ; 3 cr.
15656 006 DIS, 11:15-12:05 F, Akerman Hall 327, In Person Term Based; Gayla Lindt ; 3 cr.

15657 007 DIS, 11:15-12:05 F, Akerman Hall 227, In Person Term Based; Gayla Lindt ; 3 cr.

2301 Drawing and Critical Thinking

(A-F only; Prereq: Arch 2281 or department consent)
15167 001 LAB, 08:00-09:55 MW, Rapson Hall 58, In Person Term Based; Jakob Mahla ; 4 cr.
15257 002 LAB, 10:10-12:05 MW, Rapson Hall 58, In Person Term Based; Amy Van Gessel ; 4 cr.
15450 004 LAB, 13:30-15:25 TTh, Rapson Hall 58, In Person Term Based; Eric Amel ; 4 cr.
15503 005 LAB, 16:00-17:55 TTh, Rapson Hall 58, In Person Term Based; Benjamin Lewis ; 4 cr.

3150 Topics in Architecture

(Student Option;)
34251 001 LEC, 08:15-12:30 F, Ford Hall 170, In Person Term Based; Hans-Christian Karlberg ; 1-6 cr.

3231 Intensive Applications Design

Workshop
(A-F only;)
15667 102 LAB, 16:30-20:30 TTh, Rapson Hall 251, In Person Term Based; Changou Cummings ; 3 cr.
15681 201 LAB, 14:25-17:25 MWF, Rapson Hall 251, In Person Term Based; Salvador Blumenkron ; 3 cr.
33998 202 LAB, 14:30-18:30 TTh, Rapson Hall 251, In Person Term Based; Dzenita Hadziomerovic ; 3 cr.

3232 Extensive Applications Design

Workshop
(A-F only;)
15661 103 LAB, 14:30-18:30 TTh, Rapson Hall 251, In Person Term Based; Leon Wang ; 3 cr.
15668 104 LAB, 14:25-17:25 MWF, Rapson Hall 251, In Person Term Based; William Weber ; 3 cr.

3282 Architecture Studio 02: Site

(A-F only; Prereq: [3281 or 4281], BS Arch major)
33427 001 LAB, 13:25-17:30 MWF, Rapson Hall 245, In Person Term Based; Noa Havilio, Patrick Lynch, Benjamin Smith ; 6 cr.

3351 AutoCAD I

(Student Option; Prereq: Arch major or BED major or instr consent)
15604 001 LEC, 18:10-20:40 M, Rapson Hall 33, In Person Term Based; Molly Reichert ; 3 cr.

3411V Architectural History to 1750

(A-F only; Prereq: first year writing requirement; Soph or aboveGP,WI,HIS)
15401 001 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Meets With: 001 ARCH 3411W; Robert Ferguson ; 3 cr.
15402 002 DIS, 10:10-11:00 F, Twin Cities Remote, Completely Online; Robert Ferguson ; 3 cr.

3411W Architectural History to 1750

(A-F or Audit; Prereq: Soph or aboveGP,WI,HIS)
15162 001 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Meets With: 001 ARCH 3411V; Robert Ferguson ; 3 cr.
15163 002 DIS, 09:05-09:55 F, Twin Cities Remote, Completely Online; Robert Ferguson ; 3 cr.
15164 003 DIS, 09:05-09:55 F, Twin Cities Remote, Completely Online; 3 cr.
15165 005 DIS, 10:10-11:00 F, Twin Cities Remote, Completely Online; 3 cr.
15166 006 DIS, 11:15-12:05 F, Twin Cities Remote, Completely Online; Robert Ferguson ; 3 cr.
15262 004 DIS, 10:10-11:00 F, Twin Cities Remote, Completely Online; 3 cr.

3711V Honors: Environmental Design and the Sociocultural Context

(A-F only; Prereq: Honors, [soph or above]CIV,WI,SOCS)
15213 001 LEC, 11:15-12:30 TTh, Rapson Hall 100, In Person Term Based; Meets With: 001 ARCH 3711W; Jessica Garcia Fritz ; 3 cr.
15214 002 DIS, 09:05-09:55 F, Bruininks Hall 119, In Person Term Based; Jessica Garcia Fritz ; 3 cr.

3711W Environmental Design and the Sociocultural Context

(A-F only; Prereq: Soph or aboveCIV,WI,SOCS)
15168 001 LEC, 11:15-12:30 TTh, Rapson Hall 100, In Person Term Based; Meets With: 001 ARCH 3711V; Jessica Garcia Fritz ; 3 cr.
15169 002 DIS, 09:05-09:55 F, Rapson Hall 58, In Person Term Based; Jessica Garcia Fritz ; 3 cr.
15170 003 DIS, 09:05-09:55 F, Mechanical Engineering 25, In Person Term Based; Jessica Garcia Fritz ; 3 cr.

15171 004 DIS, 10:10-11:00 F, Rapson Hall 58, In Person Term Based; Jessica Garcia Fritz ; 3 cr.
15172 005 DIS, 10:10-11:00 F, Mechanical Engineering 25, In Person Term Based; Jessica Garcia Fritz ; 3 cr.
15264 007 DIS, 11:15-12:05 F, Mechanical Engineering 25, In Person Term Based; Jessica Garcia Fritz ; 3 cr.
15536 006 DIS, 11:15-12:05 F, Rapson Hall 58, In Person Term Based; Jessica Garcia Fritz ; 3 cr.

4150 Topics in Architecture

(A-F or Audit; Prereq: Arch major or instr consent)
34252 001 LEC, 13:00-14:15 TTh, Burton Hall 125, In Person Term Based; William Weber ; 1-4 cr.

4194H Thesis/Capstone Project

(A-F only; Prereq: Arch major, sr, honors)
15408 001 IND, 10:00-12:00 Th, Twin Cities Remote, Completely Online; Gail Dubrow ; 3 cr.

4231 Advanced Intensive Applications

Design Workshop
(A-F only;)
33999 101 LAB, 08:30-12:30 MW, Rapson Hall 251, In Person Term Based; Andrzej Piotrowski ; 3 cr.

4232 Advanced Extensive Applications

Design Workshop
(A-F only;)
34000 201 LAB, 08:30-12:30 MW, Rapson Hall 251, In Person Term Based; Athar Mufreh ; 3 cr.
34001 202 LAB, 14:25-17:25 MWF, Rapson Hall 251, In Person Term Based; 3 cr.
34002 203 LAB, 14:30-18:30 TTh, Rapson Hall 251, In Person Term Based; Matthew Olson ; 3 cr.

4321 Architecture in Watercolor

(A-F or Audit; Prereq: 2301)
15253 001 LEC, 18:00-20:00 TTh, Rapson Hall 43, In Person Term Based; Meets With: 001 ARCH 5321; Kar-Keat Chong ; 3 cr.

4341 Architecture Portfolio Design

(A-F only;)
15494 001 LAB, 11:15-12:30 TTh, Rapson Hall 35, In Person Term Based; Martha McQuade ; 3 cr.
34003 002 LAB, 13:00-14:15 TTh, Rapson Hall 35, In Person Term Based; Athar Mufreh ; 3 cr.

4410 Topics in Architectural History

(A-F only;)
34264 001 LEC, 11:15-12:30 MW, Civil Engineering Bldg 212, In Person Term Based; Lisa Hsieh ; 1-4 cr.
34794 002 LEC, 09:45-11:00 TTh, Rapson Hall 35, In Person Term Based; Meets With: 001 ARCH 5410; Dingliang Yang ; 1-4 cr.

4434 Contemporary Architecture

(A-F or Audit; Prereq: 3412 or instr consent)
15589 001 LEC, 09:45-11:00 TTh, 10 Church Street SE 100, In Person Term Based; Meets With: 001 ARCH 5434; Gayla Lindt ; 3 cr.

4511 Materials and Methods I

(A-F or Audit; Prereq: BS Arch major or BDA major jr/sr)
15265 001 LEC, 11:15-12:30 TTh, Rapson Hall 45, In Person Term Based; Dan Handeen ; 3 cr.

4521 Environmental Technology I

(A-F or Audit; Prereq: BS Arch major)
15491 001 LEC, 14:30-15:45 TTh, Rapson Hall 43, In Person Term Based; Patrick Smith ; 3 cr.

4571 Architectural Structures I

(A-F or Audit; Prereq: BS Arch major)
15267 002 LEC, 16:00-17:15 TTh, Rapson Hall 43, In Person Term Based; Meghan Cronin ; 3 cr.

5212 Undergraduate Architecture Studio 05: Advanced Design

(A-F only; Prereq: C- or better in 3281, 3282, 4283, 4284)
15506 001 LAB, 13:25-17:30 MWF, Rapson Hall 235, In Person Term Based; Jessica Garcia Fritz ; 6 cr.

5321 Architecture in Watercolor

(A-F or Audit; Prereq: M Arch grad student or instr consent)
15197 001 LEC, 18:00-20:00 TTh, Rapson Hall 43, In Person Term Based; Meets With: 001 ARCH 4321; Kar-Keat Chong ; 3 cr.

5392 Facade Design & Construction

(A-F or Audit;)

15507 001 LEC, 09:45-11:00 TTh, Rapson Hall 58, In Person Term Based; Alex Terzich ; 3 cr.

5410 Topics in Architectural History

(A-F or Audit;)
34802 001 LEC, 09:45-11:00 TTh, Rapson Hall 35, In Person Term Based; Meets With: 002 ARCH 4410; Dingliang Yang ; 3 cr.

5411 Principles of Design Theory

(A-F or Audit; Prereq: M Arch major or instr consent)
15595 001 LEC, 08:15-09:30 TTh, Rapson Hall 58, In Person Term Based; Alexander Maymind ; 3 cr.

5412 Architecture: A Global and Cultural History

(A-F only;)
15492 001 LEC, 09:45-11:00 TTh, Rapson Hall 43, In Person Term Based; Megan Lundquist ; 3 cr.

5434 Contemporary Architecture

(A-F or Audit; Prereq: MS Arch or M Arch major or instr consent)
34015 001 LEC, 09:45-11:00 TTh, 10 Church Street SE 100, In Person Term Based; Meets With: 001 ARCH 4434; Gayla Lindt ; 3 cr.

5562 Tech 2, Intro to Building Technology

(A-F only; Prereq: M.Arch or instr consent)
15452 001 LEC, 11:15-12:30 TTh, Akerman Hall 225, In Person Term Based; Mike Christenson ; 3 cr.

5563 Tech 3: Advanced Building Technology Integrated Building Systems

(A-F only; Prereq: M.Arch or instr consent)
15471 001 LEC, 11:15-12:30 TTh, Rapson Hall 43, In Person Term Based; 3 cr.

5564 Tech 4: Building Structural Systems

(A-F only; Prereq: M.Arch or instr consent)
15472 001 LEC, 08:15-09:30 TTh, Rapson Hall 43, In Person Term Based; Catherine Johnson ; 3 cr.

5609 Development and Implementation of Research

(A-F only; Prereq: instr consent)
15449 001 DIS, 09:45-11:00 MW, Twin Cities Remote, Completely Online; Joiana Hooks ; 3 cr.

5621 Professional Practice in Architecture

(A-F or Audit; Prereq: M Arch major or instr consent)
15209 001 LEC, 08:15-09:30 MW, Mechanical Engineering 212, In Person Term Based; Gabriel Cuellar ; 3 cr.

5630 Practicum: Advanced Issues in Practice

(Student Option No Audit; Prereq: M.S. Architecture or M.Arch)
15454 001 LEC, In Person Term Based; Dustin Schipper ; 3 cr.

5686 Research Practices Final Project: Research into Practice

(A-F only; Prereq: MS-RP student)
15497 001 FWK, 00:00-00:00 , In Person Term Based; Malini Srivastava ; 4 cr.

5687 Research Practices Final Project: Practice into Research

(S-N only; Prereq: Arch 5686)
15541 001 FWK, In Person Term Based; Malini Srivastava ; 4 cr.

5688 Research Practices Final Project: Representation of Case Studies

(A-F only; Prereq: Arch 5686)
15542 001 FWK, In Person Term Based; Malini Srivastava ; 1 cr.

5993 Directed Study

(A-F or Audit; Prereq: instr consent)
15557 002 IND, In Person Term Based; Richard Graves ; 1-4 cr.
15558 003 IND, In Person Term Based; Malini Srivastava ; 1-4 cr.
15560 005 IND, In Person Term Based; Mike Christenson ; 1-4 cr.
15626 013 IND, In Person Term Based; Thomas Fisher ; 1-4 cr.
34326 020 IND, In Person Term Based; Jennifer Yoos ; 1-4 cr.
34887 021 IND, In Person Term Based; Jennifer Yoos ; 1-4 cr.

Art (ARTS)**1001 Introduction to Contemporary Art and Theory****(Student Option; DSJ,AH)**

18718 001 LEC, Completely Online; Meets With: 001 ARTS 1001H; Christina Schmid ; 3 cr.
 20021 004 DIS, Completely Online; Christina Schmid ; 3 cr.
 20376 002 DIS, Completely Online; Christina Schmid ; 3 cr.
 20377 003 DIS, Completely Online; Christina Schmid ; 3 cr.
 20378 005 LEC, Completely Online; Christina Schmid ; 3 cr.
 20379 006 DIS, Completely Online; Christina Schmid ; 3 cr.
 20380 007 DIS, Completely Online; Christina Schmid ; 3 cr.
 34702 008 DIS, Completely Online; Christina Schmid ; 3 cr.

1001H Honors Introduction to Contemporary Art and Theory**(A-F or Audit; Prereq: Honors studentAH,DSJ)**

20573 001 LEC, Completely Online; Meets With: 001 ARTS 1001; Christina Schmid ; 3 cr.
 20574 002 DIS, Completely Online; Christina Schmid ; 3 cr.

1002 Art and Life: Thinking About Ethics Through Art**(Student Option; AH,CIV)**

33325 001 LEC, 10:10-14:10 F, Regis Center for Art W270, In Person Term Based; Marcus Young ; 3 cr.

1101 Introduction to Drawing**(Student Option; AH)**

17951 001 LAB, 09:05-11:35 MW, Regis Center for Art W260, In Person Term Based; Oakley Tapola ; 4 cr.
 17952 002 LAB, 13:25-15:55 MW, Regis Center for Art W260, In Person Term Based; Christopher Harrison ; 4 cr.
 17954 005 LAB, 13:25-15:55 MW, Regis Center for Art W270, In Person Term Based; Melissa Benson ; 4 cr.
 20006 007 LAB, 10:10-15:10 F, Regis Center for Art W260, In Person Term Based; Jonathan Aller ; 4 cr.
 20575 010 LAB, 10:10-15:10 Sa, Regis Center for Art W270, In Person Term Based; Emma Beatrez ; 4 cr.
 20994 004 LAB, 10:10-15:10 Sa, Regis Center for Art W260, In Person Term Based; Sean Connaughty ; 4 cr.
 33295 006 LAB, 09:05-11:35 TTh, Regis Center for Art W260, In Person Term Based; Christopher Harrison ; 4 cr.
 33296 008 LAB, 09:05-11:35 MW, Regis Center for Art W270, In Person Term Based; Sean Connaughty ; 4 cr.

1102 Introduction to Painting**(Student Option; AH)**

17967 001 LAB, 09:05-11:35 MW, Regis Center for Art W268, In Person Term Based; Emma Beatrez ; 4 cr.
 20208 002 LAB, 13:25-15:55 MW, Regis Center for Art W264, In Person Term Based; Travis McEwen ; 4 cr.
 21173 003 LAB, 09:05-11:35 TTh, Regis Center for Art W264, In Person Term Based; Kristen Sanders ; 4 cr.
 33297 004 LAB, 13:25-15:55 TTh, Regis Center for Art W260, In Person Term Based; Kristen Sanders ; 4 cr.

1103 Introduction to Printmaking: Relief, Screen and Digital Processes**(Student Option; AH)**

19018 001 LAB, 09:05-11:35 MW, Regis Center for Art W185, In Person Term Based; Lila Shull ; 4 cr.
 19902 002 LAB, 18:00-20:30 MW, Regis Center for Art W185, In Person Term Based; Drew Peterson ; 4 cr.

1107 Introduction to Digital Drawing**(Student Option; AH)**

20576 001 LAB, 13:25-15:55 TTh, Regis Center for Art W240, In Person Term Based; Caitlin Skaalrud ; 4 cr.
 20995 002 LAB, 18:00-20:30 MW, Regis Center for Art W240, In Person Term Based; Mark Schoening ; 4 cr.
 20996 003 LAB, 13:25-15:55 MW, Regis Center for Art W240, In Person Term Based; Stephanie DeArmond ; 4 cr.

1701 Introduction to Photography**(Student Option; AH)**

17945 001 LAB, 13:25-15:55 MW, Regis Center for Art W132, In Person Term Based; Caroline Houdek Solomon ; 4 cr.
 17946 002 LAB, 13:25-15:55 MW, Regis Center for Art W137, In Person Term Based; Sarah Sampedro ; 4 cr.
 17947 003 LAB, 09:05-11:35 TTh, Regis Center for Art W132, In Person Term Based; Monica Moses Haller ; 4 cr.
 20007 004 LAB, 09:05-11:35 TTh, Regis Center for Art W137, In Person Term Based; Pao Her ; 4 cr.
 20220 005 LAB, 09:05-11:35 MW, Regis Center for Art W132, In Person Term Based; 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 and Super 8 and 16 mm Filmmaking.AH)

17962 001 LAB, 09:05-11:35 MW, Regis Center for Art W248, In Person Term Based; Thalia Drori ; 4 cr.
 18497 002 LAB, 09:05-11:35 TTh, Regis Center for Art W248, In Person Term Based; Cara DeLeon ; 4 cr.
 18498 003 LAB, 13:25-15:55 TTh, Regis Center for Art W121, In Person Term Based; Lynn Lukkas ; 4 cr.
 20761 004 LAB, 10:10-14:10 F, Regis Center for Art W248, In Person Term Based; Rolf Belgium ; 4 cr.

1801 Introduction to Ceramics: Wheel-Throwing and Hand-Building Techniques**(Student Option; AH)**

17959 002 LAB, 09:05-11:35 MW, Regis Center for Art E154, In Person Term Based; Priya Thoresen ; 4 cr.
 18499 001 LAB, 09:05-11:35 MW, Regis Center for Art E156, In Person Term Based; Erika Terwilliger ; 4 cr.
 18786 004 LAB, 09:05-11:35 TTh, Regis Center for Art E156, In Person Term Based; Stephanie DeArmond ; 4 cr.
 20206 005 LAB, 09:05-11:35 TTh, Regis Center for Art E154, In Person Term Based; Chotsani Dean ; 4 cr.

1802 Introduction to Sculpture: Understanding the Fundamentals of the Practice of Sculpture**(Student Option; AH)**

18787 001 LAB, 13:25-15:55 MW, Regis Center for Art E117, In Person Term Based; Kristina Estell ; 4 cr.
 18788 002 LAB, 13:25-15:55 TTh, Regis Center for Art E117, In Person Term Based; Rotem Tamir ; 4 cr.
 18789 003 LAB, 09:05-11:35 TTh, Regis Center for Art E117, In Person Term Based; Rotem Tamir ; 4 cr.

1914 Say Something, Make Something: Art and Language**(A-F only;)**

33326 001 DIS, 13:25-15:55 Th, Regis Center for Art E136, In Person Term Based; Emmett Ramstad ; 3 cr.

3110 Intermediate Drawing**(Student Option; Prereq: 1101 or 1104)**

21772 001 LAB, 09:05-11:35 TTh, Regis Center for Art W270, In Person Term Based; Isa Gagarin ; 4 cr.

3120 Intermediate Painting**(Student Option; Prereq: 1102)**

17944 001 LAB, 09:05-11:35 TTh, Regis Center for Art W268, In Person Term Based; Mathew Zefeldt ; 4 cr.
 33300 002 LAB, 13:25-15:55 TTh, Regis Center for Art W268, In Person Term Based; Mathew Zefeldt ; 4 cr.

3130 Intermediate Printmaking: Traditional and Contemporary Approaches**(Student Option; Prereq: 1103 or 1104)**

20618 001 LAB, 13:25-15:55 TTh, Regis Center for Art W185, In Person Term Based; Jenny Schmid ; 4 cr.

3140 Figure Drawing**(Student Option; Prereq: 1101 or 1104)**

20583 001 LAB, 09:05-11:35 MW, Regis Center for Art W264, In Person Term Based; Travis McEwen ; 4 cr.

3180 Zines, Comics, and Books**(A-F or Audit;)**

20584 001 LAB, 09:05-11:35 TTh, Regis Center for Art W240, In Person Term Based; Jenny Schmid ; 4 cr.
 33324 002 LAB, 10:10-14:10 F, Regis Center for Art W240, In Person Term Based; Caitlin Skaalrud ; 4 cr.

3190 Mixed Media on Paper**(Student Option;)**

20585 001 LAB, 13:25-15:55 TTh, Regis Center for Art W270, In Person Term Based; Isa Gagarin ; 4 cr.

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

20586 001 LEC, 10:10-15:10 F, Regis Center for Art W264, In Person Term Based; Christine Baumler ; 4 cr.

3401V Honors: Critical Theories and Their Construction From a Studio Perspective**(A-F or Audit; Prereq: [junior] or instr consentAH,WI,CIV)**

20578 001 LEC, 09:05-11:35 Th, Regis Center for Art E110, In Person Term Based; Meets With: 001 ARTS 3401W; Erin Gleeson ; 3 cr.

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

19876 001 LEC, 09:05-11:35 Th, Regis Center for Art E110, In Person Term Based; Meets With: 001 ARTS 3401W; Erin Gleeson ; 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)**

20579 001 LEC, 16:10-17:40 TTh, Regis Center for Art E110, In Person Term Based; Ali Van ; 3 cr.

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

20610 001 LAB, 13:25-15:55 TTh, Regis Center for Art W137, In Person Term Based; Monica Moses Haller ; 4 cr.

3740 Lighting and the Constructed Image**(Student Option; Prereq: ARTS 1701 Introduction to Photography)**

20587 001 LAB, 13:25-15:55 TTh, Regis Center for Art W248, In Person Term Based; Pao Her ; 4 cr.

3760 Experimental Film and Video**(Student Option; Prereq: ARTS 1704)**

20222 001 LAB, 13:25-15:55 MW, Regis Center for Art W121, In Person Term Based; Meets With: 001 ARTS 5760; Rolf Belgium ; 4 cr.

3770 Animation**(Student Option; Prereq: ARTS 1704)**

18695 001 LAB, 18:00-20:30 MW, Regis Center for Art W121, In Person Term Based; Meets With: 001 ARTS 5770; Emily Fritze ; 4 cr.
 20210 002 LAB, 18:00-20:30 TTh, Regis Center for Art W121, In Person Term Based; Meets With: 002 ARTS 5770; Emily Fritze ; 4 cr.

3780 Super 8 and 16 MM Filmmaking**(A-F or Audit;)**

20658 001 LAB, 09:05-14:05 F, Regis Center for Art W121, In Person Term Based; Meets With: 001 ARTS 5780; Thalia Drori ; 4 cr.

3820 Ceramic: Wheel Throwing**(Student Option; Prereq: 1801)**

18663 001 LAB, 13:25-15:55 TTh, Regis Center for Art E156, In Person Term Based; Chotsani Dean ; 4 cr.

3830 Ceramic Sculpture**(Student Option; Prereq: 1801)**

18777 001 LAB, 13:25-15:55 MW, Regis Center for Art E154, In Person Term Based; Erika Terwilliger ; 4 cr.

3850 Foundry and Metal Sculpture**(Student Option; Prereq: ARTS 1802)**

19885 001 LAB, 13:25-15:55 MW, Regis Center for Art E170A, In Person Term Based; Meets With: 001 ARTS 5850; Chris Larson ; 4 cr.

3860 Sculpture and Installation**(Student Option; Prereq: 1802)**

20611 001 LAB, 09:05-11:35 MW, Regis Center for Art E123, In Person Term Based; Meets With: 001 ARTS 5860; Chris Larson ; 4 cr.

3890 3D Modeling and Digital Fabrication**(Student Option;)**

20612 001 LAB, 18:00-20:30 MW, Regis Center for Art W248, In Person Term Based; Meets With: 001 ARTS 5890; Robin Schwartzman ; 4 cr.

5110 Advanced Drawing**(Student Option; Prereq: Art major and ARTS 3110)**

21802 001 LAB, 13:25-15:55 MW, Regis Center for Art W185, In Person Term Based; Meets With: 001 ARTS 5140; Mark Schoening ; 4 cr.

5120 Advanced Painting**(Student Option; Prereq: ARTS 3120 and ARTS major)**

18004 001 LAB, 13:25-15:55 TTh, Regis Center for Art W264, In Person Term Based; Fidencio Martinez Perez ; 4 cr.

5140 Advanced Printmaking**(Student Option; Prereq: ARTS 3130)**

18972 001 LAB, 13:25-15:55 MW, Regis Center for Art W185, In Person Term Based; Meets With: 001 ARTS 5110; Mark Schoening ; 4 cr.

5401W BFA Seminar Capstone 1: Concepts and Practices in Art**(Student Option; WI)**

18719 001 LEC, 09:05-11:35 F, Regis Center for Art E110, In Person Term Based; Meng Tang ; 3 cr.

5404 BA Capstone and Exhibition

(S-N only;)

20607 001 DIS, 09:05-11:35 F, Regis Center for Art W244, In Person Term Based; Emmett Ramstad ; 3 cr.

5710 Advanced Photography and Moving Image Projects

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

33328 001 LAB, 09:05-11:35 TTh, Regis Center for Art W121, In Person Term Based; Lynn Lukkas ; 4 cr.

5760 Experimental Film and Video

(Student Option; Prereq: ArtS major, ArtS 1704)

33327 001 LAB, 13:25-15:55 MW, Regis Center for Art W121, In Person Term Based; Meets With: 001 ARTS 3760; Rolf Belgium ; 4 cr.

5770 Animation

(Student Option; Prereq: Art major)

18696 001 LAB, 18:00-20:30 MW, Regis Center for Art W121, In Person Term Based; Meets With: 001 ARTS 3770; Emily Fritze ; 4 cr.

20211 002 LAB, 18:00-20:30 TTh, Regis Center for Art W121, In Person Term Based; Meets With: 002 ARTS 3770; Emily Fritze ; 4 cr.

5780 Advanced Super 8 and 16 MM**Filmmaking**

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

20659 001 LAB, 09:05-14:05 F, Regis Center for Art W121, In Person Term Based; Meets With: 001 ARTS 3780; Thalia Drori ; 4 cr.

5810 Advanced Ceramics

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

18006 001 LAB, 13:25-15:55 TTh, Regis Center for Art E155, In Person Term Based; Tetsuya Yamada ; 4 cr.

5850 Advanced Foundry and Metal**Sculpture**

(Student Option; Prereq: Art major)

20386 001 LAB, 13:25-15:55 MW, Regis Center for Art E170A, In Person Term Based; Meets With: 001 ARTS 3850; Chris Larson ; 4 cr.

5860 Advanced Sculpture

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

20613 001 LEC, 09:05-11:35 MW, Regis Center for Art E123, In Person Term Based; Meets With: 001 ARTS 3860; Chris Larson ; 4 cr.

5890 3D Modeling and Digital Fabrication

(Student Option; Prereq: ARTS major)

20614 001 LAB, 18:00-20:30 MW, Regis Center for Art W248, In Person Term Based; Meets With: 001 ARTS 3890; Robin Schwartzman ; 4 cr.

Art History (ARTH)**1004W Introduction to Asian Art**

(Student Option; HIS,WI)

20639 001 LEC, Completely Online; Daniel Greenberg ; 4 cr.

21549 002 DIS, 11:15-12:05 F, Twin Cities Remote, Completely Online; 4 cr.

21550 003 DIS, 08:00-08:50 W, Twin Cities Remote, Completely Online; 4 cr.

21551 004 DIS, 11:15-12:05 W, Twin Cities Remote, Completely Online; 4 cr.

21552 005 DIS, 12:20-13:10 W, Twin Cities Remote, Completely Online; 4 cr.

33861 006 DIS, 11:15-12:05 W, Twin Cities Remote, Completely Online; 4 cr.

33862 007 DIS, 11:15-12:05 F, Twin Cities Remote, Completely Online; 4 cr.

1916 Witches, Ghosts, and Evil Clowns:

Figures of Fear in Art, Folklore, and Popular Culture

(Student Option;)

33174 001 DIS, 14:30-17:00 W, Blegen Hall 215, In Person Term Based; Peter Harle ; 3 cr.

1921W Introduction to Film Study

(Student Option; AH,WI)

18117 001 LEC, 12:20-14:15 TTh, Blegen Hall 10, In Person Term Based; Robert Silberman ; 4 cr.

19487 002 DIS, 10:10-11:00 M, Blegen Hall 225, In Person Term Based; 4 cr.

19488 003 DIS, 12:20-13:10 M, Carlson School of Mgmt 1-136, In Person Term Based; 4 cr.

20163 004 DIS, 11:15-12:05 W, Carlson School of Mgmt 1-136, In Person Term Based; 4 cr.

20570 005 DIS, 12:20-13:10 W, Carlson School of Mgmt 1-136, In Person Term Based; 4 cr.

3311 Baroque Art in Seventeenth Century Europe

(Student Option; AH)

21000 001 LEC, 09:45-11:00 TTh, Blegen Hall 150, In Person Term Based; Steven Ostrow ; 3 cr.

3315 The Age of Curiosity: Art, Science & Technology in Europe, 1400-1800

(Student Option; AH,TS)

33797 001 LEC, 11:15-12:05 MW, West Bank Skyway 20, In Person Term Based; Meets With: 001 HIST 3708; JB Shank ; 3 cr.

33798 002 DIS, 10:10-11:00 F, Blegen Hall 220, In Person Term Based; Meets With: 002 HIST 3708; 3 cr.

33799 003 DIS, 11:15-12:05 F, Blegen Hall 220, In Person Term Based; Meets With: 003 HIST 3708; 3 cr.

3401W Art on Trial

(Student Option; AH,WI,CIV)

32590 001 LEC, 09:05-09:55 MW, Blegen Hall 120, In Person Term Based; Jane Blocker ; 3 cr.

32591 002 DIS, 09:05-09:55 F, Blegen Hall 105, In Person Term Based; 3 cr.

32592 003 DIS, 09:05-09:55 F, Blegen Hall 210, In Person Term Based; Jane Blocker ; 3 cr.

3577 Photo Nation: Photography in America

(Student Option; AH)

32593 001 LEC, 09:45-11:00 MW, Blegen Hall 317, In Person Term Based; Jennifer Marshall ; 3 cr.

3896 Directed Professional Experience

(Student Option; Prereq: instr consent)

18959 001 IND, 00:00-00:00 , In Person Term Based; Daniel Greenberg ; 1-2 cr.

3971V Honors: Art History Capstone

(A-F only; WI)

19489 001 LEC, In Person Term Based; Meets With: 001 ARTH 3971W; ; 3 cr.

20520 002 IND, 14:30-17:00 W, Blegen Hall 435, In Person Term Based; Meets With: 002 ARTH 3971W; Hannah Wiepke ; 3 cr.

3971W Art History Capstone

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

18958 002 IND, 14:30-17:00 W, Blegen Hall 435, In Person Term Based; Meets With: 002 ARTH 3971V; Hannah Wiepke ; 3 cr.

20524 001 LEC, In Person Term Based; Meets With: 001 ARTH 3971V; ; 3 cr.

3993 Directed Study

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

18859 001 IND, 00:00-00:00 , In Person Term Based; Jane Blocker ; 1-4 cr.

18860 002 IND, 00:00-00:00 , In Person Term Based; Daniel Greenberg ; 1-4 cr.

18861 003 IND, 00:00-00:00 , In Person Term Based; Sinem Casale ; 1-4 cr.

18862 004 IND, 00:00-00:00 , In Person Term Based; Michael Gaudio ; 1-4 cr.

18863 005 IND, 00:00-00:00 , In Person Term Based; Jennifer Marshall ; 1-4 cr.

18864 006 IND, 00:00-00:00 , In Person Term Based; Steven Ostrow ; 1-4 cr.

18865 007 IND, 00:00-00:00 , In Person Term Based; Anna Seastrand ; 1-4 cr.

18868 010 IND, 00:00-00:00 , In Person Term Based; Laura Kalba ; 1-4 cr.

19856 011 IND, 00:00-00:00 , In Person Term Based; Emily Capper ; 1-4 cr.

3994 Directed Research

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

19857 002 IND, 00:00-00:00 , In Person Term Based; Daniel Greenberg ; 1-4 cr.

19858 003 IND, 00:00-00:00 , In Person Term Based; Sinem Casale ; 1-4 cr.

19859 004 IND, 00:00-00:00 , In Person Term Based; Michael Gaudio ; 1-4 cr.

19860 005 IND, 00:00-00:00 , In Person Term Based; Jennifer Marshall ; 1-4 cr.

19861 006 IND, 00:00-00:00 , In Person Term Based; Steven Ostrow ; 1-4 cr.

19862 007 IND, 00:00-00:00 , In Person Term Based; Anna Seastrand ; 1-4 cr.

19863 008 IND, 00:00-00:00 , In Person Term Based; Robert Silberman ; 1-4 cr.

19864 009 IND, 00:00-00:00 , In Person Term Based; Laura Kalba ; 1-4 cr.

19865 010 IND, 00:00-00:00 , In Person Term Based; ; 1-4 cr.

19866 011 IND, 00:00-00:00 , In Person Term Based; Emily Capper ; 1-4 cr.

5302 The Image Multiplied: Prints in Early Modern Europe

(A-F or Audit;)

32595 001 LEC, 13:00-14:15 MW, Blegen Hall 205, In Person Term Based; Meets With: 002 EMS 5500; Michael Gaudio ; 3 cr.

5336 Transformations in 17th Century Art: Caravaggio, Velazquez, and Bernini

(Student Option;)

32596 001 LEC, 13:00-14:15 TTh, Walter W Heller Hall 445, In Person Term Based; Meets With: 003 EMS 5500; Steven Ostrow ; 3 cr.

5466 Contemporary Art

(Student Option;)

33172 001 LEC, 13:00-14:15 MW, Blegen Hall 115, In Person Term Based; Jane Blocker ; 3 cr.

5993 Directed Study

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

18463 001 IND, 00:00-00:00 , In Person Term Based; Jane Blocker ; 1-4 cr.

18763 002 IND, 00:00-00:00 , In Person Term Based; Laura Kalba ; 1-4 cr.

18870 004 IND, 00:00-00:00 , In Person Term Based; Michael Gaudio ; 1-4 cr.

18872 006 IND, 00:00-00:00 , In Person Term Based; Steven Ostrow ; 1-4 cr.

18873 007 IND, 00:00-00:00 , In Person Term Based; Anna Seastrand ; 1-4 cr.

18874 008 IND, 00:00-00:00 , In Person Term Based; Robert Silberman ; 1-4 cr.

18875 009 IND, 00:00-00:00 , In Person Term Based; Jennifer Awes-Freeman ; 1-4 cr.

19490 010 IND, 00:00-00:00 , In Person Term Based; ; 1-4 cr.

19867 011 IND, 00:00-00:00 , In Person Term Based; Emily Capper ; 1-4 cr.

20324 012 IND, 00:00-00:00 , In Person Term Based; 1-4 cr.

20736 013 IND, In Person Term Based; Katherine Solomonson ; 1-4 cr.

21868 014 IND, In Person Term Based; JB Shank ; 1-4 cr.

5994 Directed Research

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

18960 001 IND, 00:00-00:00 , In Person Term Based; Jennifer Marshall ; 1-4 cr.

Arts and Cultural Leadership (ACL)**5211 Trends and Impacts in Arts and Cultural Leadership and Management**

(A-F or Audit;)

30002 001 LEC, 18:00-20:30 Th, Blegen Hall 260, In Person Term Based; Lisa Brimmer ; 3 cr.

5993 Directed Studies

(A-F only; Prereq: Grad student, dept consent)

29890 001 IND, Independent/Directed Study; 1-4 cr.

29891 002 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.

34666 003 IND, Independent/Directed Study; 1-4 cr.

34667 004 IND, Independent/Directed Study; 1-4 cr.

34668 005 IND, Independent/Directed Study; 1-4 cr.

Asian & Middle Eastern Studies (AMES)**1001 Asian Film and Animation**

(Student Option; AH,GP)

31648 001 LEC, 16:00-17:15 MW, Smith Hall 231, In Person Term Based; Suvadip Sinha ; 3 cr.

1915 Objections to 'Members Only': Female Participants in All-Male Classical Music in Japan

(Student Option;)

33026 001 DIS, 11:15-12:30 TTh, Kolthoff Hall 133, In Person Term Based; Maki Isaka ; 3 cr.

3001 Concepts in Asian and Middle Eastern Studies

(A-F or Audit;)
21400 001 LEC, 11:15-12:30 MW, Anderson Hall 330, In Person Term Based; Paul Rouzer ; 3 cr.

3256 Graphic Novels: Conflict, Peace and Protest

(Student Option; AH,GP)
33787 001 LEC, 09:45-11:00 TTh, Appleby Hall 11, In Person Term Based; Palita Chunsangchan ; 3 cr.

3356W Chinese Film

(A-F or Audit; AH,WI)
31636 001 LEC, 16:00-18:30 W, Rapson Hall 43, 13:00-14:15 MW, Nicholson Hall 125, In Person Term Based; Jason McGrath ; 3 cr.

3377 A Thousand Years of Buddhism in China: Beliefs, Practices, and Culture

(Student Option;)
32874 001 LEC, 14:30-15:45 MW, Folwell Hall 108, In Person Term Based; Meets With: 001 RELS 3377; Paul Rouzer ; 3 cr.

3433 Traditional Japanese Literature in Translation

(A-F or Audit; LITR)
31638 001 LEC, 14:30-15:45 TTh, Folwell Hall 12, In Person Term Based; Maki Isaka ; 3 cr.

3458 Japanese Animation

(A-F only; GP)
31640 001 DIS, 13:00-14:15 TTh, Nicholson Hall 275, In Person Term Based; Baryon Tensor Posadas ; 3 cr.

3478 Modern Japan, Meiji to the Present (1868-2000)

(Student Option; HIS)
34031 001 LEC, 13:00-14:15 MW, Blegen Hall 145, In Person Term Based; Meets With: 001 EAS 3471001 HIST 3471; Hiromi Mizuno ; 3 cr.

3536 Modern Korean Literature

(Student Option; GP,LITR)
31641 001 LEC, 09:45-11:00 MW, Armory Building 116, In Person Term Based; Travis Workman ; 3 cr.

3576 Language & Society of the Two Koreas

(A-F only;)
21401 001 LEC, 14:00-15:15 MW, Hubert H. Humphrey School 25, In Person Term Based; Hangtae Cho ; 3 cr.

3637W Modern Indian Literature

(A-F or Audit; GP,WI,LITR)
21402 001 LEC, 16:00-17:15 TTh, Folwell Hall 28, In Person Term Based; Sreyashi Ray ; 3 cr.

3720 Topics in Southeast Asian Culture

(Student Option;)
31643 001 LEC, 16:00-17:15 MW, Folwell Hall 116, In Person Term Based; Bee Vang ; 1-3 cr.
33786 002 LEC, 13:00-14:15 TTh, Nicholson Hall 120, In Person Term Based; Palita Chunsangchan ; 1-3 cr.

3856W Palestinian Literature and Film

(A-F only; GP,WI)
31645 001 LEC, 14:30-15:45 TTh, Folwell Hall 108, In Person Term Based; Joseph Farag ; 3 cr.

3886 Petrofictions: Oil Wars, Wealth, and Waste in the Middle East

(A-F only; AH)
31646 001 LEC, 14:30-15:45 MW, Folwell Hall 8, In Person Term Based; Meets With: 001 AMES 5886; Shir Alon ; 3 cr.

3920 Topics in Asian Culture

(Student Option;)
33557 001 LEC, 13:00-14:15 MW, Folwell Hall 108, In Person Term Based; Suvadip Sinha ; 3 cr.

3993 Directed Study

(Student Option; Prereq:instr consent, dept consent, college consent.)
22181 001 IND, In Person Term Based; 1-4 cr.

4901W Capstone Project in Asian & Middle Eastern Studies

(A-F or Audit; Prereq: AMES major, srWI)
21396 001 LEC, 11:15-12:30 TTh, Folwell Hall 12, In Person Term Based; Joseph Farag ; 3 cr.

5420 Topics in Japanese Culture

(A-F only;)
34215 001 LEC, 16:00-18:30 W, Folwell Hall 121, In Person Term Based; Sharon Hayashi ; 3 cr.

5886 Petrofictions: Oil Wars, Wealth, and Waste in the Middle East

(A-F only;)
34422 001 LEC, 14:30-15:45 MW, Folwell Hall 8, In Person Term Based; Meets With: 001 AMES 3886; Shir Alon ; 3 cr.

5993 Directed Study

(Student Option; Prereq:instr consent, dept consent, college consent.)
21407 001 IND, In Person Term Based; Paul Rouzer ; 1-4 cr.

Asian American Studies (AAS)

3211W Race & Racism in the U.S.

(A-F or Audit; DSJ,WI)
20424 001 LEC, 17:30-20:00 T, Blegen Hall 120, In Person Term Based; Meets With: 001 SOC 3211W; Ethan Johnson ; 3 cr.

3251W Sociological Perspectives on Race, Class, and Gender

(A-F or Audit; DSJ,WI,SOC)
20174 001 LEC, 08:15-09:30 T, Blegen Hall 150, Partially Online; Meets With: 001 SOC 3251W; Monica Jarvi ; 3 cr.

3303W Writing Differences: Literature by U.S. Women of Color

(Student Option; DSJ,WI,LITR)
21131 001 DIS, 09:45-11:00 MW, ONLINE BLENDED, 09:45-11:00 MW, Peik Gymnasium G55, Partially Online; Meets With: 001 ENGL 3303W001 GWSS 4303W001 GWSS 3303W; Jigna Desai ; 3 cr.

3351 Asian Americans and Popular Culture

(Student Option; AH,DSJ)
21147 001 DIS, 17:30-20:00 Th, Blegen Hall 110, In Person Term Based; Meets With: 001 COMM 3351; John Matsunaga ; 3 cr.

3503 Asian American Identities, Families, & Communities

(A-F or Audit; SOCS,DSJ)
33495 001 LEC, 11:15-12:30 MW, Blegen Hall 317, In Person Term Based; Meets With: 001 SOC 3503H001 SOC 3503; Teresa Swartz ; 3 cr.

3601W War and Empire: Asian American Perspectives

(Student Option; GP,WI)
21761 001 LEC, 09:45-11:00 TTh, Blegen Hall 255, In Person Term Based; Yuichiro Onishi ; 3 cr.

3993 Directed Studies in Asian American Studies

(Student Option; Prereq: instr consent)
19507 001 IND, In Person Term Based; 1-9 cr.

4311 Asian American Literature and Drama

(A-F or Audit; DSJ,LITR)
32668 001 LEC, 09:45-11:00 TTh, Pillsbury Hall 211, In Person Term Based; Meets With: 001 ENGL 4311; Josephine Lee ; 3 cr.

5993 Directed Readings

(Student Option;)
19480 001 IND, Independent/Directed Study; 1-4 cr.

Astronomy (AST)

1001 Exploring the Universe

(Student Option; ENV,PHYS)
23860 004 LEC, 14:30-15:45 TTh, Tate Hall B20, In Person Term Based; Lucy Fortson ; 4 cr.
23861 001 LEC, 09:45-11:00 TTh, Tate Hall B20, In Person Term Based; Annalisa Citro ; 4 cr.
23862 101 LAB, 09:05-11:00 M, Tate Hall B29, In Person Term Based; 4 cr.
23863 103 LAB, 11:15-13:10 M, Tate Hall B29, In Person Term Based; 4 cr.
23864 104 LAB, 12:20-14:15 M, Tate Hall B27, In Person Term Based; 4 cr.

23865 105 LAB, 13:25-15:20 M, Tate Hall B29, In Person Term Based; 4 cr.
23866 106 LAB, 14:30-16:25 M, Tate Hall B27, In Person Term Based; 4 cr.
23867 107 LAB, 15:35-17:30 M, Tate Hall B29, In Person Term Based; 4 cr.
23868 108 LAB, 09:05-11:00 T, Tate Hall B27, In Person Term Based; 4 cr.
23869 109 LAB, 10:10-12:05 T, Tate Hall B29, In Person Term Based; 4 cr.
23870 110 LAB, 11:15-13:10 T, Tate Hall B27, In Person Term Based; 4 cr.
23871 111 LAB, 12:20-14:15 T, Tate Hall B29, In Person Term Based; 4 cr.
23872 113 LAB, 14:30-16:25 T, Tate Hall B29, In Person Term Based; 4 cr.
23873 116 LAB, 10:10-12:05 W, Tate Hall B27, In Person Term Based; 4 cr.
23874 118 LAB, 12:20-14:15 W, Tate Hall B27, In Person Term Based; 4 cr.
24374 112 LAB, 13:25-15:20 T, Tate Hall B27, In Person Term Based; 4 cr.
24516 102 LAB, 10:10-12:05 M, Tate Hall B27, In Person Term Based; 4 cr.
24517 117 LAB, 11:15-13:10 W, Tate Hall B29, In Person Term Based; 4 cr.
25664 002 LEC, 11:15-12:30 TTh, Tate Hall B50, In Person Term Based; Chick Woodward ; 4 cr.
25910 003 LEC, 13:00-14:15 TTh, Tate Hall B50, In Person Term Based; Chick Woodward ; 4 cr.
26224 119 LAB, 13:25-15:20 W, Tate Hall B29, In Person Term Based; 4 cr.
26226 121 LAB, 15:35-17:30 W, Tate Hall B29, In Person Term Based; 4 cr.
26227 122 LAB, 09:05-11:00 Th, Tate Hall B27, In Person Term Based; 4 cr.
26228 123 LAB, 10:10-12:05 Th, Tate Hall B29, In Person Term Based; 4 cr.
26229 126 LAB, 09:05-11:00 F, Tate Hall B27, In Person Term Based; 4 cr.
26230 127 LAB, 10:10-12:05 F, Tate Hall B29, In Person Term Based; 4 cr.
26231 128 LAB, 11:15-13:10 F, Tate Hall B27, In Person Term Based; 4 cr.
27061 124 LAB, 14:30-16:25 Th, Tate Hall B27, In Person Term Based; 4 cr.
27067 125 LAB, 13:25-15:20 Th, Tate Hall B29, In Person Term Based; 4 cr.
33770 114 LAB, 15:35-17:30 T, Tate Hall B27, In Person Term Based; 4 cr.
34721 115 LAB, 09:05-11:00 W, Tate Hall B29, In Person Term Based; 4 cr.
34814 129 LAB, 15:35-17:30 Th, Tate Hall B29, In Person Term Based; 4 cr.

1011H Exploring the Universe, Honors

(A-F only; Prereq: High school trigonometry, [high school physics or chemistry]ENV,PHYS)
33162 100 LEC, 14:30-15:45 TTh, Tate Hall B65, In Person Term Based; Michael Coughlin ; 4 cr.
33301 101 LAB, 14:30-16:25 W, Tate Hall B27, In Person Term Based; 4 cr.

2001 Fundamental Astrophysics

(Student Option; Prereq: [One yr calculus, PHYS 1302] or instr consent)
24563 001 LEC, 14:30-16:25 TTh, Tate Hall 101, In Person Term Based; Robert Gehrz ; 4 cr.

2993 Directed Studies

(Student Option; Prereq: 1 yr calculus, Phys 1302, instr consent)
23875 001 IND, 00:00-00:00 , , In Person Term Based; Evan Skillman ; 1-5 cr.

4001 Astrophysics I

(A-F or Audit; Prereq: 2001, Phys 2601)
24609 001 LEC, 12:20-13:10 MTWTh, Tate Hall B65, In Person Term Based; Paul Woodward ; 4 cr.

4041 Computational Methods in the Physical Sciences

(Student Option; Prereq: PHYS 3041)
26343 001 LAB, 08:00-08:50 MTWTh, Tate Hall B45, In Person Term Based; Meets With: 001 PHYS 4041; Jorge Vinals ; 4 cr.

4299H Senior Honors Astrophysics

Research Seminar
(Student Option; Prereq: upper div honors student in IT or CLA, inst consent)
23878 001 LEC, 14:30-15:20 F, No Room Required, In Person Term Based; Meets With: 001 AST 8200; Paul Woodward ; 1 cr.

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

23876 010 IND, 00:00-00:00 , , In Person Term Based; Liliya Williams ; 1-5 cr.
 25043 015 IND, 00:00-00:00 , , In Person Term Based; John Wygant ; 1-5 cr.
 25044 003 IND, 00:00-00:00 , , In Person Term Based; Roberta Humphreys ; 1-5 cr.
 25045 004 IND, 00:00-00:00 , , In Person Term Based; Terry Jones ; 1-5 cr.
 25046 005 IND, 00:00-00:00 , , In Person Term Based; Thomas Jones ; 1-5 cr.
 25047 006 IND, 00:00-00:00 , , In Person Term Based; Patrick Kelly ; 1-5 cr.
 25048 007 IND, 00:00-00:00 , , In Person Term Based; Larry Rudnick ; 1-5 cr.
 25049 008 IND, 00:00-00:00 , , In Person Term Based; Claudia Scarlata ; 1-5 cr.
 25050 009 IND, 00:00-00:00 , , In Person Term Based; Evan Skillman ; 1-5 cr.
 25087 011 IND, 00:00-00:00 , , In Person Term Based; Chick Woodward ; 1-5 cr.
 25090 014 IND, 00:00-00:00 , , In Person Term Based; Lindsay Glesener ; 1-5 cr.
 25645 012 IND, 00:00-00:00 , , In Person Term Based; Paul Woodward ; 1-5 cr.
 25939 013 IND, 00:00-00:00 , , In Person Term Based; Lucy Fortson ; 1-5 cr.
 26401 016 IND, In Person Term Based; Vuk Mandic ; 1-5 cr.
 27035 017 IND, In Person Term Based; Robert Gehrz ; 1-5 cr.

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

23877 024 IND, 00:00-00:00 , , In Person Term Based; John Wygant ; 2-5 cr.
 25051 002 IND, 00:00-00:00 , , In Person Term Based; Robert Gehrz ; 2-5 cr.
 25052 003 IND, 00:00-00:00 , , In Person Term Based; Michael Coughlin, Angela Stehr ; 2-5 cr.
 25053 004 IND, 00:00-00:00 , , In Person Term Based; Terry Jones ; 2-5 cr.
 25054 005 IND, 00:00-00:00 , , In Person Term Based; Thomas Jones ; 2-5 cr.
 25055 006 IND, 00:00-00:00 , , In Person Term Based; Patrick Kelly ; 2-5 cr.
 25056 007 IND, 00:00-00:00 , , In Person Term Based; Larry Rudnick ; 2-5 cr.
 25057 008 IND, 00:00-00:00 , , In Person Term Based; Claudia Scarlata ; 2-5 cr.
 25058 009 IND, 00:00-00:00 , , In Person Term Based; Evan Skillman ; 2-5 cr.
 25088 010 IND, 00:00-00:00 , , In Person Term Based; Liliya Williams ; 2-5 cr.
 25089 011 IND, 00:00-00:00 , , In Person Term Based; Chick Woodward ; 2-5 cr.
 25646 012 IND, 00:00-00:00 , , In Person Term Based; Paul Woodward, Angela Stehr ; 2-5 cr.
 25736 013 IND, 00:00-00:00 , , In Person Term Based; Cynthia Cattell ; 2-5 cr.
 25737 014 IND, 00:00-00:00 , , In Person Term Based; Priscilla Cushman ; 2-5 cr.
 25738 015 IND, 00:00-00:00 , , In Person Term Based; Lucy Fortson ; 2-5 cr.
 25739 016 IND, 00:00-00:00 , , In Person Term Based; Lindsay Glesener ; 2-5 cr.
 25740 017 IND, 00:00-00:00 , , In Person Term Based; Shaul Hanany ; 2-5 cr.
 25741 018 IND, 00:00-00:00 , , In Person Term Based; Robert Lysak ; 2-5 cr.
 25742 019 IND, 00:00-00:00 , , In Person Term Based; Vuk Mandic ; 2-5 cr.
 25743 020 IND, 00:00-00:00 , , In Person Term Based; Keith Olive ; 2-5 cr.
 25744 021 IND, 00:00-00:00 , , In Person Term Based; Vlad Pribiag ; 2-5 cr.
 25745 022 IND, 00:00-00:00 , , In Person Term Based; Clement Pryke ; 2-5 cr.
 25746 023 IND, 00:00-00:00 , , In Person Term Based; Yongzhong Qian ; 2-5 cr.

5731 Bayesian Astrostatistics**(A-F only; Prerequisites: MATH 2263 and MATH 2243, or equivalent; or instructor consent Suggested: statistical course at the level of AST 4031, AST 5031, STAT 3021, or STAT 5021)**

26937 100 LEC, 09:05-11:00 M, Ford Hall B15, In Person Term Based; Meets With: 001 STAT 5731; Galin Jones, Claudia Scarlata ; 4 cr.
 26938 101 LAB, 09:05-11:00 W, Keller Hall 4-250, In Person Term Based; Meets With: 002 STAT 5731; Galin Jones, Claudia Scarlata ; 4 cr.

Biochemistry (BIOC)**2011 Biochemistry for the Agricultural and Health Sciences****(Student Option; Prereq: Chem 1015, Bio 1009)**

15785 001 LEC, 13:00-13:50 MWF, Moos Health Sci Tower 2-520, In Person Term Based; Sharon Murphy, James Ervasti ; 3 cr.

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.)**

15897 090 LEC, 00:00-00:00 , ONLINE, Completely Online; Robert Roon ; 3 cr.
 15898 001 LEC, 09:05-09:55 MWF, Bruininks Hall 230, In Person Term Based; Meets With: 001 BIOC 6021; Kenneth Adolph ; 3 cr.
 16014 002 LEC, 08:00-09:15 TTh, Bruininks Hall 432, In Person Term Based; Robert Roon ; 3 cr.

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

16016 001 LEC, 11:15-12:30 TTh, Molecular Cellular Biol 3-120, In Person Term Based; Paul Siliciano ; 3 cr.
 16090 002 LEC, 16:00-17:15 TTh, Bruininks Hall 312, In Person Term Based; Janet Schottel ; 3 cr.

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

15693 001 LEC, 16:40-17:30 M, Twin Cities Remote, Completely Online; Beverly Smith-Keiling ; 2 cr.
 15694 002 LAB, 08:15-11:55 T, Molecular Cellular Biol 2-128, In Person Term Based; Beverly Smith-Keiling ; 2 cr.
 15695 003 LAB, 13:15-16:55 T, Molecular Cellular Biol 2-128, In Person Term Based; Beverly Smith-Keiling ; 2 cr.
 15696 005 LAB, 13:15-16:55 Th, Molecular Cellular Biol 2-128, In Person Term Based; Beverly Smith-Keiling ; 2 cr.
 15697 006 LAB, 17:20-21:00 T, Molecular Cellular Biol 2-128, In Person Term Based; Beverly Smith-Keiling ; 2 cr.
 15820 007 LAB, 17:20-21:00 Th, Molecular Cellular Biol 2-128, In Person Term Based; Beverly Smith-Keiling ; 2 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))**

15692 001 LEC, 10:10-11:00 MTWTh, Bruininks Hall 432, In Person Term Based; Timothy Griffin, Yue Chen ; 4 cr.

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

15838 001 LEC, 10:10-12:05 TTh, Nicholson Hall 35, In Person Term Based; Michael Smanski, Juan Carlos Rivera-Mulia ; 4 cr.

4351 Protein Engineering**(A-F only; Prereq: 4331 or instr consent)**

15947 001 LEC, 11:15-12:30 MW, Akerman Hall 209, In Person Term Based; Meets With: 001 BIOC 5351; Mikael Elias, Romas Kazlauskas ; 3 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)**

15766 001 LEC, 09:05-09:55 MWF, Molecular Cellular Biol 2-120, In Person Term Based; Wendy Gordon ; 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)**

15799 001 IND, 00:00-00:00 , , In Person Term Based; Anath Das, Mikael Elias ; 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)**

15800 001 IND, 00:00-00:00 , , In Person Term Based; Mikael Elias, Anath Das ; 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.)**

15698 001 IND, 00:00-00:00 , , In Person Term Based; Mikael Elias, Anath Das ; 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.)**

15772 001 IND, 00:00-00:00 , , In Person Term Based; Mikael Elias, Anath Das ; 1-7 cr.

5351 Protein Engineering**(A-F or Audit;)**

15946 001 LEC, 11:15-12:30 MW, Akerman Hall 209, In Person Term Based; Meets With: 001 BIOC 4351; Mikael Elias, Romas Kazlauskas ; 3 cr.

5535 Introduction to Modern Structural Biology -- Diffraction**(A-F or Audit; Prereq: (Introductory biochemistry, introductory physics, college calculus) or physical chemistry or instr consent)**

16052 001 DIS, 12:20-14:15 MW, Amundson Hall 116, In Person Term Based; Douglas Ohlendorf ; 2 cr.

5536 Introduction to Modern Structural Biology - Nuclear Magnetic Resonance**(Student Option; Prerequisite courses: (Introductory biochemistry, introductory physics, college calculus) or physical chemistry)**

34316 001 LEC, 12:20-14:15 MW, Amundson Hall 116, In Person Term Based; Gianluigi Veglia ; 2 cr.

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

32542 001 LEC, 11:15-12:30 TTh, Walter W Heller Hall 731, In Person Term Based; Meets With: 002 PHIL 5760; Carl Elliott ; 1-4 cr.

5120 Dying in Contemporary Medical Culture**(Student Option;)**

34159 001 DIS, 15:30-17:10 T, Health Sci Ed Ctr 4103/4105, In Person Term Based; Meets With: 001 BTHX 8120; Ian Wolfe ; 2 cr.

5325 Biomedical Ethics**(Student Option; Prereq: Jr or sr or grad student or instr consent)**

15143 001 LEC, 13:00-15:30 Th, Twin Cities Remote, Completely Online; Debra DeBruin ; 3 cr.

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

15053 001 IND, Independent/Directed Study; Carl Elliott ; 1-4 cr.
 15056 006 IND, Independent/Directed Study; 1-4 cr.
 15057 003 IND, 00:00-00:00 , , Independent/Directed Study; Debra DeBruin ; 1-4 cr.

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

15726 001 LEC, 14:30-15:45 TTh, Willey Hall 175, In Person Term Based; Craig Packer, Charlie Willis ; 4 cr.
 15727 002 LAB, 10:10-12:05 M, Molecular Cellular Biol 2-140, In Person Term Based; 4 cr.
 15728 003 LAB, 12:20-14:15 M, Molecular Cellular Biol 2-140, In Person Term Based; 4 cr.
 15729 004 LAB, 14:30-16:25 M, Molecular Cellular Biol 2-140, In Person Term Based; 4 cr.
 15730 006 LAB, 08:00-09:55 T, Molecular Cellular Biol 2-140, In Person Term Based; 4 cr.
 15731 007 LAB, 10:10-12:05 T, Molecular Cellular Biol 2-140, In Person Term Based; 4 cr.
 15732 008 LAB, 16:40-18:35 T, Molecular Cellular Biol 2-140, In Person Term Based; 4 cr.
 15814 010 LAB, 10:10-12:05 W, Molecular Cellular Biol 2-140, In Person Term Based; 4 cr.
 15815 011 LAB, 12:20-14:15 W, Molecular Cellular Biol 2-140, In Person Term Based; 4 cr.
 15816 012 LAB, 14:30-16:25 W, Molecular Cellular Biol 2-140, In Person Term Based; 4 cr.

16013 090 LEC, Completely Online; Charlie Willis ; 4 cr.
 16015 015 LAB, 10:10-12:05 Th, Molecular Cellular Biol
 2-140, In Person Term Based; 4 cr.
 16060 016 LAB, 16:40-18:35 Th, Molecular Cellular Biol
 2-140, In Person Term Based; 4 cr.
 16168 091 LEC, Completely Online; Charlie Willis ; 4 cr.
 16190 092 LEC, Completely Online; Charlie Willis ; 4 cr.

1001H Introductory Biology I: Evolutionary and Ecological Perspectives (A-F only; Prerequisites for allied health grad programs.BIOL)

15906 001 LEC, 09:45-11:00 TTh, Nicholson Hall 125, In
 Person Term Based; Craig Packer ; 4 cr.
 16138 002 LAB, 12:20-14:15 T, Molecular Cellular Biol
 2-140, In Person Term Based; 4 cr.
 16154 003 LAB, 14:30-16:25 Th, Molecular Cellular Biol
 2-140, In Person Term Based; 4 cr.

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

15849 001 LEC, 09:45-11:00 MW, Bruininks Hall 312, In
 Person Term Based; Katherine Furniss, Kristina Prescott ;
 4 cr.
 15850 002 LAB, 10:10-12:05 T, Molecular Cellular Biol
 2-136, In Person Term Based; 4 cr.
 15851 003 LAB, 12:20-14:15 T, Molecular Cellular Biol
 2-136, In Person Term Based; 4 cr.
 15852 004 LAB, 12:20-14:15 W, Molecular Cellular Biol
 2-136, In Person Term Based; 4 cr.
 15853 005 LAB, 16:40-18:35 W, Molecular Cellular Biol
 2-136, In Person Term Based; 4 cr.
 15854 006 LAB, 12:20-14:15 Th, Molecular Cellular Biol
 2-136, In Person Term Based; 4 cr.
 15885 020 LEC, 11:15-12:30 MW, Bruininks Hall 312, In
 Person Term Based; Katherine Furniss, Kristina Prescott ;
 4 cr.
 15886 021 LAB, 08:00-09:55 T, Molecular Cellular Biol
 2-136, In Person Term Based; 4 cr.
 15887 022 LAB, 14:30-16:25 T, Molecular Cellular Biol
 2-136, In Person Term Based; Rachel Downing ; 4 cr.
 15888 023 LAB, 16:40-18:35 T, Molecular Cellular Biol
 2-136, In Person Term Based; 4 cr.
 15889 024 LAB, 14:30-16:25 W, Molecular Cellular Biol
 2-136, In Person Term Based; 4 cr.
 15890 025 LAB, 10:10-12:05 Th, Molecular Cellular Biol
 2-136, In Person Term Based; 4 cr.
 15913 030 LEC, 13:00-14:15 TTh, Bruininks Hall 220, In
 Person Term Based; Kristina Prescott, Katherine Furniss ;
 4 cr.
 15914 031 LAB, 10:10-12:05 T, Molecular Cellular Biol
 2-138, In Person Term Based; 4 cr.
 15915 032 LAB, 14:30-16:25 T, Molecular Cellular Biol
 2-138, In Person Term Based; 4 cr.
 15916 033 LAB, 16:40-18:35 T, Molecular Cellular Biol
 2-138, In Person Term Based; 4 cr.
 15917 034 LAB, 10:10-12:05 W, Molecular Cellular Biol
 2-138, In Person Term Based; 4 cr.
 15918 035 LAB, 12:20-14:15 W, Molecular Cellular Biol
 2-138, In Person Term Based; 4 cr.
 15919 036 LAB, 14:30-16:25 W, Molecular Cellular Biol
 2-138, In Person Term Based; 4 cr.
 15920 037 LAB, 16:40-18:35 W, Molecular Cellular Biol
 2-138, In Person Term Based; 4 cr.
 15921 038 LAB, 10:10-12:05 Th, Molecular Cellular Biol
 2-138, In Person Term Based; 4 cr.
 16064 039 LAB, 14:30-16:25 Th, Molecular Cellular Biol
 2-138, In Person Term Based; 4 cr.

1009 General Biology

(Student Option; Prerequisite and requirement in many majors. BIOL)

15701 001 LEC, 08:15-09:30 TTh, Molecular Cellular Biol
 3-120, In Person Term Based; Cheryl Scott ; 4 cr.
 15702 002 LAB, 10:10-12:05 T, Molecular Cellular Biol
 2-139, In Person Term Based; 4 cr.
 15703 003 LAB, 12:20-14:15 T, Molecular Cellular Biol
 2-139, In Person Term Based; 4 cr.
 15705 004 LAB, 16:40-18:35 T, Molecular Cellular Biol
 2-139, In Person Term Based; 4 cr.
 15707 005 LAB, 10:10-12:05 W, Molecular Cellular Biol
 2-139, In Person Term Based; 4 cr.
 15708 006 LAB, 12:20-14:15 W, Molecular Cellular Biol
 2-139, In Person Term Based; 4 cr.
 15709 007 LAB, 14:30-16:25 Th, Molecular Cellular Biol
 2-139, In Person Term Based; 4 cr.
 15711 050 LEC, 13:00-14:15 TTh, Smith Hall 100, In Person
 Term Based; Antony Dean ; 4 cr.
 15712 051 LAB, 10:10-12:05 T, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.
 15713 052 LAB, 16:40-18:35 T, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.
 15715 053 LAB, 12:20-14:15 W, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.

15718 054 LAB, 14:30-16:25 W, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.
 15719 055 LAB, 10:10-12:05 Th, Molecular Cellular Biol
 2-139, In Person Term Based; 4 cr.
 15720 056 LAB, 14:30-16:25 Th, Molecular Cellular Biol
 2-137, In Person Term Based; 4 cr.
 15869 030 LEC, 13:00-14:15 MW, Molecular Cellular Biol
 3-120, In Person Term Based; Sue Gibson ; 4 cr.
 15870 031 LAB, 08:00-09:55 T, Molecular Cellular Biol
 2-137, In Person Term Based; 4 cr.
 15871 032 LAB, 12:20-14:15 T, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.
 15872 033 LAB, 14:30-16:25 T, Molecular Cellular Biol
 2-139, In Person Term Based; 4 cr.
 15874 034 LAB, 10:10-12:05 W, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.
 15875 035 LAB, 14:30-16:25 W, Molecular Cellular Biol
 2-139, In Person Term Based; 4 cr.
 15883 036 LAB, 16:40-18:35 Th, Molecular Cellular Biol
 2-139, In Person Term Based; 4 cr.
 16029 090 LEC, Completely Online; Brian Gibbens ; 4 cr.
 16142 070 LEC, Completely Online; Sue Gibson ; 4 cr.
 16143 071 LAB, 10:10-12:05 T, Molecular Cellular Biol
 2-137, In Person Term Based; 4 cr.
 16147 072 LAB, 12:20-14:15 T, Molecular Cellular Biol
 2-137, In Person Term Based; 4 cr.
 16185 091 LEC, Completely Online; Brian Gibbens ; 4 cr.
 33468 073 LAB, 14:30-16:25 T, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.
 33469 074 LAB, 10:10-12:05 W, Molecular Cellular Biol
 2-137, In Person Term Based; 4 cr.
 33470 075 LAB, 12:20-14:15 W, Molecular Cellular Biol
 2-137, In Person Term Based; 4 cr.
 33471 076 LAB, 14:30-16:25 W, Molecular Cellular Biol
 2-137, In Person Term Based; 4 cr.
 33472 077 LAB, 16:40-18:35 W, Molecular Cellular Biol
 2-137, In Person Term Based; 4 cr.
 33473 078 LAB, 10:10-12:05 Th, Molecular Cellular Biol
 2-137, In Person Term Based; 4 cr.
 33474 079 LAB, 12:20-14:15 Th, Molecular Cellular Biol
 2-137, In Person Term Based; 4 cr.
 33475 080 LAB, 16:40-18:35 Th, Molecular Cellular Biol
 2-137, In Person Term Based; 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)
 15862 001 LEC, 13:25-14:15 MWF, Bruininks Hall 312, In
 Person Term Based; Theresa Edelman ; 4 cr.
 15863 002 LAB, 12:20-14:15 T, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15864 003 LAB, 16:40-18:35 T, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15865 004 LAB, 10:10-12:05 W, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15866 005 LAB, 14:30-16:25 W, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15867 006 LAB, 10:10-12:05 Th, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15891 020 LEC, 14:30-15:20 MWF, Bruininks Hall 312, In
 Person Term Based; Theresa Edelman ; 4 cr.
 15892 021 LAB, 10:10-12:05 T, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15893 022 LAB, 14:30-16:25 T, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15894 023 LAB, 12:20-14:15 W, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15895 024 LAB, 16:40-18:35 W, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15896 025 LAB, 08:00-09:55 Th, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15907 007 LAB, 14:30-16:25 Th, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.
 15908 026 LAB, 12:20-14:15 Th, Molecular Cellular Biol
 2-142, In Person Term Based; 4 cr.

1015 Human Physiology, Technology, and Medical Devices

(Student Option; Prerequisites for most biomedical graduate programs.BIOL,TS)

16061 001 LEC, 11:15-12:30 TTh, Bruininks Hall 131B, In
 Person Term Based; Murray Jensen ; 4 cr.
 16062 002 LAB, 14:30-16:25 T, Molecular Cellular Biol
 2-126, In Person Term Based; 4 cr.
 16063 003 LAB, 10:10-12:05 W, Molecular Cellular Biol
 2-126, In Person Term Based; 4 cr.
 16066 004 LAB, 12:20-14:15 W, Molecular Cellular Biol
 2-126, In Person Term Based; 4 cr.

1020 Biology Colloquium (S-N or Audit;)

15690 001 LEC, 14:30-16:25 M, Molecular Cellular Biol
 2-122, In Person Term Based; Forest Clarke ; 1 cr.
 15691 002 LEC, 15:35-17:30 T, Molecular Cellular Biol
 2-122, In Person Term Based; Forest Clarke ; 1 cr.

1052 Environmental Biology: Science and Solutions

(Student Option; ENV)

15861 001 LEC, 14:30-15:45 MW, Bruininks Hall 220, In
 Person Term Based; Meets With: 001 BIOL 1055; Anna
 Mosser ; 3 cr.

1055 Environmental Biology: Science and Solutions with Laboratory

(Student Option; BIOL,ENV)

15911 001 LEC, 14:30-15:45 MW, Bruininks Hall 220, In
 Person Term Based; Meets With: 001 BIOL 1052; Anna
 Mosser ; 4 cr.
 15912 002 LAB, 12:20-14:15 Th, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.
 15922 003 LAB, 14:30-16:25 Th, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.
 15923 004 LAB, 16:40-18:35 Th, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.
 15974 005 LAB, 08:00-09:55 F, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.
 33362 006 LAB, 10:10-12:05 F, Molecular Cellular Biol
 2-141, In Person Term Based; 4 cr.

1805 Nature of Life: Introducing New Students to the Biological Sciences

(S-N or Audit; Prereq: Fr in College of Biological Sciences)

15822 001 LEC, 12:20-13:10 F, Rapson Hall 56, 12:20-13:10
 F, Nicholson Hall 35, 12:20-13:10 F, Bruininks Hall 432,
 12:20-13:10 F, Moos Health Sci Tower 1-451, 12:20-13:10
 F, Moos Health Sci Tower 5-125, 12:20-13:10 F, Bruininks
 Hall 114, 12:20-13:10 F, Moos Health Sci Tower 1-450,
 12:20-13:10 F, Jackson Hall 2-137, 12:20-13:10 F, Wiley
 Hall 175, In Person Term Based; Brittany Eich ; 0.5 cr.

1912 Photographing the University Community

(A-F only;)

33845 001 LEC, 14:30-16:25 W, Smith Hall 121, Partially Online; Robert Roon ; 2 cr.

1915 Genomics in Your Current and Future Life

(A-F only;)

33993 001 LEC, 14:30-15:45 T, Nils Hasselmo Hall 4-101, In Person Term Based; Perry Hackett ; 1 cr.

1917 Experimental Evolution

(A-F only;)

34282 001 LEC, 14:30-15:20 TF, Blegen Hall 435, In Person Term Based; Maria Kalambokidis ; 3 cr.

1921 The Nexus Between Art and Biology

(A-F only;)

33846 001 LEC, 09:45-11:30 W, Armory Building 202, Partially Online; Robert Roon ; 2 cr.

1929 Drawn to Nature: Observing the World Around Us

(S-N only;)

34283 001 DIS, 10:00-10:50 T, Ruttan Hall B22, In Person Term Based; Jennifer Powers ; 1 cr.

1930 What Can Jellyfish Tell Us about Human Eyes? The Evolution of Animal Sensory Systems

(S-N only;)

34284 001 DIS, 16:00-16:50 W, Ruttan Hall B36, In Person Term Based; Kyle Mcculloch ; 1 cr.

1942 The History, Science, and Politics of Genetics and Reproduction

(A-F only; TS)

33901 001 LEC, 13:00-14:15 TTh, Bruininks Hall 144, In Person Term Based; Murray Jensen ; 3 cr.

1951 Foundations of Biology Lecture I for Biological Sciences Majors

(A-F only; BIOL)

16030 001 LEC, 08:00-09:55 MWF, Bruininks Hall 114, In Person Term Based; Meets With: 001 BIOL 1951H; Brian Gibbens, David Matthes ; 4 cr.

16031 002 LEC, 10:10-12:05 MWF, Bruininks Hall 114, In Person Term Based; Meets With: 002 BIOL 1951H; Thomas Niehaus, Peter Tiffin ; 4 cr.

33343 003 LEC, 08:00-09:55 MWF, Bruininks Hall 432, In Person Term Based; Meets With: 003 BIOL 1951H; Theresa Clark, Anita Schuchardt ; 4 cr.

1951H Foundations of Biology Lecture I for Biological Sciences Majors

(A-F only; BIOL)

16050 001 LEC, 08:00-09:55 MWF, Bruininks Hall 114, In Person Term Based; Meets With: 001 BIOL 1951; Brian Gibbens, David Matthes ; 4 cr.

16051 002 LEC, 10:10-12:05 MWF, Bruininks Hall 114, In Person Term Based; Meets With: 002 BIOL 1951; Thomas Niehaus, Peter Tiffin ; 4 cr.

33345 003 LEC, 08:00-09:55 MWF, Bruininks Hall 432, In Person Term Based; Meets With: 003 BIOL 1951; Theresa Clark, Anita Schuchardt ; 4 cr.

1961 Foundations of Biology Lab I for Biological Sciences Majors

(A-F only; BIOL)

16032 001 LAB, 13:00-16:00 MW, Biological Science Ctr 282, In Person Term Based; 2 cr.

16033 002 LAB, 13:00-16:00 MW, Biological Science Ctr 286, In Person Term Based; 2 cr.

16034 003 LAB, 13:00-16:00 MW, Biological Science Ctr 343, In Person Term Based; 2 cr.

16035 004 LAB, 13:00-16:00 MW, Biological Science Ctr 347, In Person Term Based; 2 cr.

16036 005 LAB, 13:00-16:00 MW, Biological Science Ctr 355, In Person Term Based; 2 cr.

16037 006 LAB, 17:10-20:10 MW, Biological Science Ctr 282, In Person Term Based; 2 cr.

16038 007 LAB, 17:10-20:10 MW, Biological Science Ctr 286, In Person Term Based; 2 cr.

16039 008 LAB, 17:10-20:10 MW, Biological Science Ctr 343, In Person Term Based; 2 cr.

16040 009 LAB, 17:10-20:10 MW, Biological Science Ctr 347, In Person Term Based; 2 cr.

16041 010 LAB, 08:30-11:30 TTh, Biological Science Ctr 282, In Person Term Based; 2 cr.

16043 012 LAB, 08:30-11:30 TTh, Biological Science Ctr 343, In Person Term Based; 2 cr.

16044 013 LAB, 08:30-11:30 TTh, Biological Science Ctr 347, In Person Term Based; 2 cr.

16045 014 LAB, 08:30-11:30 TTh, Biological Science Ctr 355, In Person Term Based; 2 cr.

16046 015 LAB, 13:00-16:00 TTh, Biological Science Ctr 282, In Person Term Based; 2 cr.

16047 016 LAB, 13:00-16:00 TTh, Biological Science Ctr 286, In Person Term Based; 2 cr.

16048 017 LAB, 13:00-16:00 TTh, Biological Science Ctr 343, In Person Term Based; 2 cr.

33546 018 LAB, 13:00-16:00 TTh, Biological Science Ctr 347, In Person Term Based; 2 cr.

33547 019 LAB, 13:00-16:00 TTh, Biological Science Ctr 355, In Person Term Based; 2 cr.

2001 Career Planning for Biologists

(S-N or Audit;)

15839 001 DIS, 14:30-15:20 T, Bruininks Hal 121, In Person Term Based; Mary Shannon Bocock ; 1 cr.

2003 Foundations of Biology for Biological Sciences Majors, Part II

(A-F only;)

15841 001 LEC, 08:00-09:55 TTh, Bruininks Hall 312, In Person Term Based; Meets With: 001 BIOL 2003H; Trinity Hamilton, Robert Brooker ; 3 cr.

15843 002 LEC, 10:10-12:05 TTh, Bruininks Hall 312, In Person Term Based; Meets With: 002 BIOL 2003H; Robin Wright, Sarah Hammarlund ; 3 cr.

15924 003 LEC, 09:05-11:00 MW, Bruininks Hall 330, In Person Term Based; Meets With: 003 BIOL 2003H; Deena Wassenberg, Abdi Warfa ; 3 cr.

2003H Foundations of Biology for Biological Sciences Majors, Part II

(A-F only;)

15842 001 LEC, 08:00-09:55 TTh, Bruininks Hall 312, In Person Term Based; Meets With: 001 BIOL 2003; Trinity Hamilton, Robert Brooker ; 3 cr.

15844 002 LEC, 10:10-12:05 TTh, Bruininks Hall 312, In Person Term Based; Meets With: 002 BIOL 2003; Robin Wright, Sarah Hammarlund ; 3 cr.

15925 003 LEC, 09:05-11:00 MW, Bruininks Hall 330, In Person Term Based; Meets With: 003 BIOL 2003; Deena Wassenberg, Abdi Warfa ; 3 cr.

2005 Animal Diversity Laboratory

(Student Option;)

15755 001 LAB, 09:35-12:35 T, Biological Sciences Ctr 107, In Person Term Based; 2 cr.

15756 002 LAB, 13:55-16:55 T, Biological Sciences Ctr 107, In Person Term Based; 2 cr.

15757 003 LAB, 18:10-21:10 T, Biological Sciences Ctr 107, In Person Term Based; 2 cr.

15758 004 LAB, 10:40-13:40 W, Biological Sciences Ctr 107, In Person Term Based; 2 cr.

15759 005 LAB, 13:55-16:55 W, Biological Sciences Ctr 107, In Person Term Based; 2 cr.

15760 006 LAB, 17:10-20:10 W, Biological Sciences Ctr 107, In Person Term Based; 2 cr.

15761 007 LAB, 09:35-12:35 Th, Biological Sciences Ctr 107, In Person Term Based; 2 cr.

15762 008 LAB, 13:55-16:55 Th, Biological Sciences Ctr 107, In Person Term Based; 2 cr.

15763 009 LAB, 10:40-13:40 F, Biological Sciences Ctr 107, In Person Term Based; 2 cr.

2301 Dean's Scholar: Critical Service Learning

(S-N only; Prereq: 1301, CBS Dean's Scholar)

15900 001 DIS, 14:30-16:25 W, Molecular Cellular Biol 2-122, In Person Term Based; Aryn Lipnicki ; 2 cr.

2905 Nature of Life, Part III

(S-N only; Prereq: 1805, 1806)

15942 001 IND, Completely Online; Brittany Eich ; 0.5 cr.

2960H Exploring Research in the Biological Sciences

(A-F only; Prereq: CBS, Honors program, soph, dept consent)

15817 001 LEC, 14:30-15:45 Th, Bruininks Hall 330, In Person Term Based; Dana Davis ; 1 cr.

2996 Directed Introduction to Research

(S-N only;)

16186 001 IND, Independent/Directed Study; 1 cr.

3001 Nature of Science and Research

(S-N only; Prereq: College-level biology)

15910 001 DIS, 12:20-13:10 Th, Bruininks Hall 432, In Person Term Based; Anna Mosser ; 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.)

15845 001 LEC, 15:00-16:55 T, Ecology Building 170, In Person Term Based; 3 cr.

15846 009 LEC, 13:55-15:50 T, Biological Sciences Ctr 12, In Person Term Based; 3 cr.

15926 002 LEC, 12:50-14:45 W, Ecology Building 170, In Person Term Based; 3 cr.

15928 004 LEC, 12:50-14:45 Th, Ecology Building 170, In Person Term Based; 3 cr.

15929 006 LEC, 16:05-18:00 T, Biological Sciences Ctr 12, In Person Term Based; 3 cr.

15930 007 LEC, 13:55-15:50 W, Biological Sciences Ctr 12, In Person Term Based; 3 cr.

15931 008 LEC, 13:55-15:50 Th, Biological Sciences Ctr 12, In Person Term Based; 3 cr.

15932 010 LEC, 18:15-20:10 T, Biological Sciences Ctr 12, In Person Term Based; 3 cr.

15933 011 LEC, 16:05-18:00 W, Biological Sciences Ctr 12, In Person Term Based; 3 cr.

15934 012 LEC, 11:45-13:40 Th, Biological Sciences Ctr 12, In Person Term Based; 3 cr.

15935 013 LEC, 16:05-18:00 Th, Biological Sciences Ctr 12, In Person Term Based; 3 cr.

15936 014 LEC, 13:55-15:50 F, Biological Sciences Ctr 12, In Person Term Based; 3 cr.

15970 016 LEC, 17:10-19:05 T, Ecology Building 170, In Person Term Based; 3 cr.

16017 015 LEC, 12:50-14:45 T, Ecology Building 170, In Person Term Based; 3 cr.

16018 017 LEC, 15:00-16:55 W, Ecology Building 170, In Person Term Based; 3 cr.

16019 018 LEC, 15:00-16:55 Th, Ecology Building 170, In Person Term Based; 3 cr.

16069 019 LEC, 12:50-14:45 F, Ecology Building 170, In Person Term Based; 3 cr.

16070 020 LEC, 15:00-16:55 F, Ecology Building 170, In Person Term Based; 3 cr.

16099 005 LEC, 11:45-13:40 T, Biological Sciences Ctr 12, In Person Term Based; 3 cr.

3012 Animal Diversity and Evolution

(Student Option; Prereq: BIOL 1001/1001H, or BIOL 1009/1009H, or BIOL 1951/1951H)

33353 001 LEC, 09:35-10:25 FMW, Biological Sciences Ctr 64, In Person Term Based; Suzanne McGaugh ; 4 cr.

33354 002 LAB, 08:30-11:30 T, Biological Sciences Ctr 182, In Person Term Based; 4 cr.

33355 003 LAB, 12:50-15:50 T, Biological Sciences Ctr 182, In Person Term Based; 4 cr.

33356 004 LAB, 17:10-20:10 T, Biological Sciences Ctr 182, In Person Term Based; 4 cr.

33357 005 LAB, 12:50-15:50 W, Biological Sciences Ctr 182, In Person Term Based; 4 cr.

33358 006 LAB, 08:30-11:30 Th, Biological Sciences Ctr 182, In Person Term Based; 4 cr.

3015 Molecular Biology

(Student Option;)

33103 001 LEC, 13:25-14:15 MW, Molecular Cellular Biol 2-120, In Person Term Based; Anath Das ; 2 cr.

3025 Molecular Biology and Society

(Student Option; Prerequisites include Biol2003/2003H or [Biol1009/1009H AND Chem1061/1061H].TS)

15972 001 LEC, 13:00-14:15 TTh, Bruininks Hall 312, In Person Term Based; Nikunj Somia ; 3 cr.

16068 003 LEC, 10:15-11:30 TTh, Biological Sciences Ctr 64, In Person Term Based; Jannell Bazurto, Jeffrey Gralnick ; 3 cr.

3209 Understanding the Evolution-Creationism Controversy

(A-F only; Prereq: BIOL 1001, 1009, 1951 or 2002, or equivCIV)

16145 001 LEC, 08:15-09:30 TTh, Molecular Cellular Biol 2-120, In Person Term Based; Randy Moore ; 3 cr.

16146 002 LEC, 09:45-11:00 TTh, Molecular Cellular Biol 2-120, In Person Term Based; Randy Moore ; 3 cr.

3211 Physiology of Humans and Other Animals

(Student Option; Prereq: [1009 or 2003], [CHEM 1062/1066 or 1082/1086], [2005 is recommended])

15752 001 LEC, 14:30-15:45 TTh, Bruininks Hall 312, Partially Online; Sarah Malmquist ; 3 cr.

16144 002 LEC, 13:30-14:45 ThF, Borlaug Hall 335, In Person Term Based; Paloma Gonzalez Bellido ; 3 cr.

3272 Applied Biostatistics

(A-F only; Prereq: High school algebra; BIOL 2003 recommended)

15882 001 LEC, 10:15-11:30 MWF, Alderman Hall 405, In Person Term Based; Meets With: 001 BIOL 3272H001 BIOL 5272; Yaniv Brandvain ; 4 cr.

3272H Applied Biostatistics

(A-F only; Prereq: High school algebra; BIOL 2003 recommended.)
34168 001 LEC, 10:15-11:30 MWF, Alderman Hall 405, In Person Term Based; Meets With: 001 BIOL 3272001 BIOL 5272; Yaniv Brandvain ; 4 cr.

3302 Dean's Scholar: Leadership Capstone Experience

(S-N only; Prereq: 1301, 2301, CBS dean's scholar)
15858 001 DIS, 15:35-16:50 M, Bruininks Hall 117, In Person Term Based; Nikki Letawsky Shultz ; 1 cr.

3303 Dean's Scholar: Peer Leadership Development

(S-N only;)
15859 001 DIS, 14:30-15:25 F, Bruininks Hal 121, In Person Term Based; Aryn Lipnicki ; 1 cr.

3503 Biology of Aging

(A-F only; Prereq: 1002 or 1009 or 2003 or equiv)
15826 001 LEC, 15:00-16:55 M, Ruttan Hall B30, In Person Term Based; Alexander Shephard ; 2 cr.

3610 Internship: Professional Experience in Biological Sciences

(S-N or Audit; Prereq: Acceptance into CBS Internship Program, internship workshop, college consent.)
15813 001 FWK, In Person Term Based; Kirsten Petersen ; 1-6 cr.

3960H Communicating in the Biological Sciences

(A-F only;)
15734 001 LEC, 13:25-14:15 M, Bruininks Hall 117, In Person Term Based; Daniel Bond ; 1 cr.
15735 002 LEC, 14:30-15:20 M, Bruininks Hall 117, In Person Term Based; Daniel Bond ; 1 cr.

4003 Genetics

(Student Option; Prereq: Biol 2003/2003H or BioC 3021 or BioC 4331 or grad)
15738 001 LEC, 13:00-14:15 MW, Bruininks Hall 114, In Person Term Based; Jeffrey Simon ; 3 cr.
16025 090 LEC, Completely Online; Robert Brooker ; 3 cr.

4004 Cell Biology

(Student Option; Prereq: Completion of Biol 4003 is preferred, Biol2003/2003H or Biol4003 or grad)
15740 001 LEC, 09:45-11:00 MW, Molecular Cellular Biol 3-120, In Person Term Based; Hiroshi Nakato, Sivaraj Sivaramakrishnan ; 3 cr.
15741 002 LEC, 11:00-12:15 TTh, Hodson Hall 490, In Person Term Based; Min Ni ; 3 cr.
16026 090 LEC, Completely Online; Jan Norrander ; 3 cr.
33104 004 LEC, 13:20-14:35 TTh, McNeal Hall 33, In Person Term Based; Min Ni ; 3 cr.

4590 Coral Reef Ecology

(A-F only; Prereq: Introductory biology course with lab)
15943 001 DIS, 12:50-14:50 T, McNeal Hall 146, In Person Term Based; Rachael Kaspar ; 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)
15856 001 IND, Independent/Directed Study; 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)
15857 001 IND, Independent/Directed Study; 1-7 cr.
16169 002 IND, Independent/Directed Study; 1-7 cr.

4960H Thesis Writing in the Biological Sciences: Developing the Literature Review

(A-F only;)
15880 001 LEC, 12:20-13:10 W, Bruininks Hall 330, In Person Term Based; Clarence Lehman ; 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.)
15847 001 IND, Independent/Directed Study; 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.)
15848 001 IND, Independent/Directed Study; 1-7 cr.

5272 Applied Biostatistics

(A-F only; Prereq: High school algebra; BIOL 2003 recommended.)
15903 001 LEC, 10:15-11:30 MWF, Alderman Hall 405, In Person Term Based; Meets With: 001 BIOL 3272H001 BIOL 3272; Yaniv Brandvain ; 4 cr.

Biology, Society, and Environ (BSE)**2001 An Introduction to Biology, Society, and Environment**

(A-F only;)
19906 001 LEC, Completely Online; Meets With: 001 BSE 2001H; Ganapathy Narayanaraj ; 2 cr.

2001H Introduction to Biology, Society, and Environment - Honors

(A-F only;)
34039 001 LEC, Completely Online; Meets With: 001 BSE 2001; Ganapathy Narayanaraj ; 2 cr.

3991 Biology, Society and Environment Capstone

(S-N only;)
21129 001 IND, Completely Online; Ivan Bialostosky ; 1 cr.

3994 Directed Research in Biology, Society, and Environment (Student Option;)

21765 001 IND, In Person Term Based; Bruce Braun ; 1-8 cr.
21766 002 IND, In Person Term Based; Kathryn Grace ; 1-8 cr.
21767 003 IND, In Person Term Based; Daniel Griffin ; 1-8 cr.
21768 004 IND, In Person Term Based; Kurt Kipfmuller ; 1-8 cr.
21769 005 IND, In Person Term Based; Katherine Klink ; 1-8 cr.
21770 006 IND, In Person Term Based; Arun Saldanha ; 1-8 cr.
21771 007 IND, In Person Term Based; Abdi Samatar ; 1-8 cr.
34464 008 IND, In Person Term Based; Ivan Bialostosky ; 1-8 cr.

3996 Senior Project Directed Research

(A-F only; Prereq: instr consent, dept consent, college consent.)
19843 001 IND, 00:00-00:00 , In Person Term Based; Bruce Braun ; 3-4 cr.
20707 006 IND, In Person Term Based; Arun Saldanha ; 3-4 cr.
20708 007 IND, In Person Term Based; Abdi Samatar ; 3-4 cr.
20709 002 IND, In Person Term Based; Kathryn Grace ; 3-4 cr.
20710 003 IND, In Person Term Based; Daniel Griffin ; 3-4 cr.
20711 004 IND, In Person Term Based; Kurt Kipfmuller ; 3-4 cr.
20712 005 IND, In Person Term Based; Katherine Klink, Ivan Bialostosky ; 3-4 cr.

3997 Senior Project

(A-F only; Prereq: instr consent, dept consent, college consent.)
19844 001 IND, 00:00-00:00 , In Person Term Based; Bruce Braun ; 2 cr.
20713 002 IND, In Person Term Based; Kathryn Grace ; 2 cr.
20714 003 IND, In Person Term Based; Daniel Griffin ; 2 cr.
20715 004 IND, In Person Term Based; Kurt Kipfmuller ; 2 cr.
20716 005 IND, In Person Term Based; Katherine Klink, Ivan Bialostosky ; 2 cr.
20717 006 IND, In Person Term Based; Arun Saldanha ; 2 cr.
20718 007 IND, In Person Term Based; Abdi Samatar ; 2 cr.

Biomedical Engineering (BMEN)**1601 Biomedical Engineering Undergraduate Seminar I**

(A-F only; Prereq: CSE student or instructor approval.)
24505 001 LEC, 16:40-17:30 W, Bruininks Hall 220, In Person Term Based; Robert Tranquillo ; 1 cr.

2401 Programming for Biomedical Engineers

(A-F only; Prereq: CSE student, PHYS 1302W, and MATH 2373 or MATH 2374)
25111 001 LEC, 12:20-13:10 T, Bruininks Hall 432, In Person Term Based; Victor Barocas ; 2 cr.
25112 002 LAB, 12:20-13:10 Th, Rapson Hall 56, In Person Term Based; Victor Barocas ; 2 cr.
26347 003 LEC, 13:25-14:15 T, Bruininks Hall 432, In Person Term Based; Victor Barocas ; 2 cr.
26348 004 LAB, 13:25-14:15 Th, Rapson Hall 56, In Person Term Based; Victor Barocas ; 2 cr.

2501 Cellular and Molecular Biology for Biomedical Engineers

(A-F or Audit; Prereq: concurrent registration is required (or allowed) in CHEM 1022, concurrent registration is required (or allowed) in MATH 1372, concurrent registration is required (or allowed) in PHYS 1302, CSE studentBIOL)

25103 001 LEC, 12:20-13:10 MWF, Keller Hall 3-210, In Person Term Based; Meets With: 001 BMEN 5501; Jonathan Sachs, Brian Herman ; 4 cr.
25104 002 LAB, 08:00-09:55 T, Moos Health Sci Tower 3-343, In Person Term Based; Jonathan Sachs, Brian Herman ; 4 cr.
25105 003 LAB, 10:10-12:05 T, Moos Health Sci Tower 3-343, In Person Term Based; Jonathan Sachs, Brian Herman ; 4 cr.
25106 004 LAB, 08:00-09:55 Th, Moos Health Sci Tower 3-343, In Person Term Based; Jonathan Sachs, Brian Herman ; 4 cr.
25107 005 LAB, 10:10-12:05 Th, Moos Health Sci Tower 3-343, In Person Term Based; Jonathan Sachs, Brian Herman ; 4 cr.
25108 006 LAB, 13:25-15:20 M, Moos Health Sci Tower 3-343, In Person Term Based; Jonathan Sachs, Brian Herman ; 4 cr.
25634 007 LAB, 13:25-15:20 W, Moos Health Sci Tower 3-343, In Person Term Based; Jonathan Sachs, Brian Herman ; 4 cr.

3011 Biomechanics

(A-F or Audit; Prereq: BME Upper Div or dept consent)
25791 001 LEC, 09:05-09:55 MWF, Jackson Hall 2-137, In Person Term Based; Patrick Alford, Kyoko Yoshida ; 3 cr.
25792 002 DIS, 12:20-13:10 W, Bruininks Hall 117, In Person Term Based; Patrick Alford, Kyoko Yoshida ; 3 cr.
25793 003 DIS, 13:25-14:15 W, Bruininks Hall 117, In Person Term Based; Patrick Alford, Kyoko Yoshida ; 3 cr.
25794 004 DIS, 14:30-15:20 W, Bruininks Hall 117, In Person Term Based; Patrick Alford, Kyoko Yoshida ; 3 cr.

3015 Biomechanics Lab

(A-F or Audit; Prereq: [BME UD or dept consent], concurrent registration is required (or allowed) in 3011)
25795 001 LAB, 09:05-11:00 T, Moos Health Sci Tower 3-238, In Person Term Based; Patrick Alford, Kyoko Yoshida ; 1 cr.
25796 002 LAB, 11:15-13:10 T, Moos Health Sci Tower 3-238, In Person Term Based; Patrick Alford, Kyoko Yoshida ; 1 cr.
25797 003 LAB, 08:00-09:55 Th, Moos Health Sci Tower 3-238, In Person Term Based; Patrick Alford, Kyoko Yoshida ; 1 cr.
25798 004 LAB, 11:15-13:10 Th, Moos Health Sci Tower 3-238, In Person Term Based; Patrick Alford, Kyoko Yoshida ; 1 cr.

3151 Medical Device Practicum

(A-F only;)
26614 001 LEC, 15:35-16:25 W, Mayo Medical Device Ctr G217-1, In Person Term Based; Steven Saliterman ; 1 cr.

3211 Bioelectricity and Bioinstrumentation

(A-F or Audit; Prereq: BME Upper Div or dept consent)
25799 001 LEC, 11:15-12:05 MWF, Jackson Hall 2-137, In Person Term Based; Taner Akkin ; 3 cr.
25800 002 DIS, 11:15-12:05 T, Akerman Hall 317, In Person Term Based; Taner Akkin ; 3 cr.
25801 003 DIS, 11:15-12:05 Th, Bruininks Hall 117, In Person Term Based; Taner Akkin ; 3 cr.
25802 004 DIS, 08:00-08:50 W, Akerman Hall 211, In Person Term Based; Taner Akkin ; 3 cr.

3215 Bioelectricity and Bioinstrumentation Lab

(A-F or Audit; Prereq: [BMEN Upper Div or dept consent], concurrent registration is required (or allowed) in 3211)
25803 001 LAB, 13:25-15:20 T, Moos Health Sci Tower 3-349, In Person Term Based; Taner Akkin ; 1 cr.
25804 002 LAB, 16:35-18:30 T, Moos Health Sci Tower 3-349, In Person Term Based; Taner Akkin ; 1 cr.

25805 003 LAB, 13:25-15:20 Th, Moos Health Sci Tower 3-349, In Person Term Based; Taner Akkin ; 1 cr.
25806 004 LAB, 15:35-17:30 Th, Moos Health Sci Tower 3-349, In Person Term Based; Taner Akkin ; 1 cr.

3601 Biomedical Engineering Careers and Practice in the Med Tech Industry

(A-F only ;)
25916 001 LEC, 12:20-13:10 M, Molecular Cellular Biol 2-122, In Person Term Based; Mark Kroll ; 1 cr.

4001W Biomedical Engineering Design I

(A-F or Audit; Prereq: 2501, 3001, 3101, 3201, 3301, 3701W)
24547 001 LEC, 13:25-14:15 TTh, Bruininks Hall 330, In Person Term Based; Cyrus Rezvanifar ; 3 cr.
24548 002 DIS, In Person Term Based; Cyrus Rezvanifar ; 3 cr.

4011 CAD/CAE of Bioelectrical Devices

(A-F or Audit; Prereq: [3211, 3215] or instr consent)
25942 001 LAB, 17:00-17:50 T, Keller Hall 1-200, In Person Term Based; Shiva Jamalzavareh ; 1 cr.

4013 CAD of Biomechanical/transport Devices

(A-F or Audit; Prereq: BME Upper Division or instr consent)
25943 001 LAB, 13:25-14:15 M, Keller Hall 1-200, In Person Term Based; Paul Hattan ; 1 cr.
26174 002 LAB, 14:30-15:20 M, Keller Hall 1-200, In Person Term Based; Paul Hattan ; 1 cr.

4015 CAE of Biomechanical/Transport Devices

(A-F or Audit; Prereq: 3011, 3015, 3111, 3115)
25944 001 LAB, 16:40-17:55 M, Keller Hall 1-200, In Person Term Based; Ismail Guler ; 1 cr.

4793 Directed Study

(A-F or Audit; Prereq: instr consent, dept consent)
24507 001 IND, 00:00-00:00 , , In Person Term Based; Chun Wang ; 1-4 cr.

4794 Directed Research

(A-F or Audit; Prereq: instr consent, dept consent)
24506 001 IND, 00:00-00:00 , , In Person Term Based; Chun Wang ; 1-4 cr.

5001 Advanced Biomaterials

(A-F or Audit; Prereq: 3301 or MatS 3011 or grad student or instr consent)
24310 001 LEC, 11:15-12:30 TTh, Keller Hall 3-125, In Person Term Based; Wei Shen ; 3 cr.
33209 883 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Wei Shen ; 3 cr.

5201 Advanced Biomechanics

(Student Option; Prereq: [[3001 or equiv], [CSE upper div or grad student]] or instr consent)
24591 001 LEC, 08:15-09:30 TTh, Rapson Hall 56, In Person Term Based; Victor Barocas ; 3 cr.
25719 883 LEC, 08:15-09:05 TTh, Twin Cities Remote, Completely Online; Victor Barocas ; 3 cr.

5321 Microfluidics in Biology and Medicine

(A-F or Audit; Prereq: [3111, AEM 4201, ChEn 4005, [ME 3331 or ME 3332 or CSE grad student or instr consent])
26840 001 LEC, 09:45-11:00 TTh, Bruininks Hal 121, In Person Term Based; David Wood ; 3 cr.

5351 Cell Engineering

(Student Option; Prereq: [2401, [2501 or concurrent registration is required (or allowed) in 5501], [MATH 2243 or MATH 2373]] or CSE upper div or grad student or instr consent)
25468 001 LEC, 14:30-15:45 TTh, Tate Hall 110, In Person Term Based; Casim Sarkar ; 3 cr.

5401 Advanced Biomedical Imaging

(A-F or Audit; Prereq: CSE upper div or grad student or instr consent)
26256 001 LEC, 14:30-15:45 TTh, Keller Hall 3-115, In Person Term Based; Alexander Opitz ; 3 cr.
26434 883 LEC, 14:30-15:45 TTh, Twin Cities Remote, Completely Online; Alexander Opitz ; 3 cr.

5411 Neural Engineering

(Student Option; Prereq: 3401 recommended)
25451 001 LEC, 11:15-12:30 TTh, Keller Hall 3-111, In Person Term Based; Tay Netoff ; 3 cr.
25561 883 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Tay Netoff ; 3 cr.

5412 Neuromodulation

(A-F or Audit;)
26340 001 LEC, 13:00-14:15 MW, Mechanical Engineering 102, In Person Term Based; Matthew Johnson ; 3 cr.
26346 883 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Matthew Johnson ; 3 cr.

5501 Biology for Biomedical Engineers

(Student Option; Prereq: Engineering upper div or grad student)
25109 001 LEC, 12:20-13:10 MWF, Keller Hall 3-210, In Person Term Based; Meets With: 001 BMEN 2501; Jonathan Sachs, Brian Herman ; 3 cr.
25722 883 LEC, 12:20-13:10 MWF, Twin Cities Remote, Completely Online; Jonathan Sachs, Brian Herman ; 3 cr.

5701 Cancer Bioengineering

(A-F or Audit; Prereq: [Upper division CSE undergraduate, CSE graduate student] or instr consent)
25819 001 LEC, 09:45-11:00 WF, Ford Hall 115, In Person Term Based; Paolo Provenzano ; 3 cr.

5910 Special Topics in Biomedical Engineering

(Student Option;)
34901 001 LEC, 11:15-12:30 WF, Akerman Hall 215, In Person Term Based; Brittany Hartwell ; 3 cr.

Bioproducts and Biosystems Eng (BBE)

1001 Bioproducts and Biosystems Engineering Orientation

(S-N or Audit;)
25365 001 LEC, 15:00-16:55 Th, Kaufert Laboratory 302, In Person Term Based; Ulrike Tschirner, Joe Magner ; 1 cr.
25845 002 LEC, 15:00-16:55 Th, Hodson Hall 490, In Person Term Based; Joe Magner, Ulrike Tschirner ; 1 cr.

1002 Biorenewable Resources

(Student Option; TS)
22490 001 LEC, Completely Online; Lucas Stolp ; 3 cr.

2001 Mechanics and Structural Design

(A-F or Audit; Prerequisite: Math 1272 or Math 1372 or Math 1572H and Phys 1101W or Phys 1301W or Phys 1401V)
25376 001 LEC, 08:30-09:20 MW, Food Science & Nutrition 15, In Person Term Based; Koray Sekeroglu ; 4 cr.
25377 002 LAB, 10:40-12:35 T, Coffey Hall 50, In Person Term Based; Koray Sekeroglu ; 4 cr.
25753 003 LAB, 12:50-14:45 T, Coffey Hall 50, In Person Term Based; Koray Sekeroglu ; 4 cr.

2003 Computer Applications in Bioproducts and Biosystems Engineering

(A-F or Audit; Prereq: (Math 1271 or Math 1371, Math 1272 or Math 1372, Concurrent registration in [(Math 2243 or 2373) OR (Math 2263 or 2374)]) CSE lower division or CSE Upper Division BBE Majors or CFANS Pre-BBE (Premajor) or instructor consent.)
26375 001 LEC, 10:40-12:35 W, Ruttan Hall 143, In Person Term Based; Ce Yang, Zhenong Jin ; 3 cr.
26376 002 LAB, 09:10-10:55 F, Coffey Hall 50, In Person Term Based; Ce Yang, Zhenong Jin ; 3 cr.
26377 003 LAB, 09:10-10:55 F, Skok Hall 35, In Person Term Based; Ce Yang, Zhenong Jin ; 3 cr.

2201 Renewable Energy and the Environment

(Student Option; TS)
22476 001 LEC, 00:00-00:00 , ONLINE, Completely Online; David Schmidt ; 3 cr.

3002 Introduction to Engineering Design

(A-F only; Prereq: BBE 2003, Chem 1061, Math 2243 or Math 2373, BBE or Pre-BBE student or instr consent)
25547 001 LEC, 13:55-14:45 MW, Food Science & Nutrition 15, In Person Term Based; John Nieber, Mrinal Bhattacharya, John Chapman ; 3 cr.
25548 003 LAB, 15:00-16:50 M, Biosystems & Ag Eng Bldg 105, In Person Term Based; John Nieber, Mrinal Bhattacharya, John Chapman ; 3 cr.
25549 002 LAB, 15:00-16:50 M, Coffey Hall 50, In Person Term Based; John Nieber, Mrinal Bhattacharya, John Chapman ; 3 cr.
25909 004 LAB, 15:00-16:50 M, Biosystems & Ag Eng Bldg 105, In Person Term Based; Mrinal Bhattacharya, John Nieber, John Chapman ; 3 cr.

3012 Transport in Biological Processes I

(A-F only; Prereq: BBE 1001 or concurrent registration and BBE 2001 and BBE 3033 and Math 2243 or Math 2373 or Math 2574H and Math 2263 or Math 2374 or Math 2573H and Phys 1302W or Phys 1402V)
25577 001 LEC, 10:15-11:30 TTh, Biosystems & Ag Eng Bldg 106, In Person Term Based; Bo Hu ; 4 cr.
25578 002 LAB, 09:30-12:00 F, Biosystems & Ag Eng Bldg 106, In Person Term Based; Brett Barney ; 4 cr.
25712 003 LAB, 08:45-11:15 M, Biosystems & Ag Eng Bldg 106, In Person Term Based; Bo Hu ; 4 cr.

3013 Engineering Principles of Molecular and Cellular Processes

(A-F or Audit; Prereq: BBE 1001 or concurrent reg and BIOL 1009 and CHEM 1062 or equiv and CHEM 1066 or equiv and MATH 1372 or equiv and BIOC 2011 or CHEM 2301, or instructor consent)
25473 001 LEC, 11:45-12:35 MW, Ruttan Hall B42, In Person Term Based; Brett Barney ; 3 cr.
25474 002 LAB, 15:00-17:00 W, Andrew Boss Laboratory 135, In Person Term Based; Brett Barney ; 3 cr.
25475 003 LAB, 15:00-17:00 Th, Andrew Boss Laboratory 135, In Person Term Based; Brett Barney ; 3 cr.

3023 Ecological Engineering Principles

(Student Option; Prereq: BIOL 1009, [3012 or concurrent registration is required (or allowed) in 3012] or instr consent)
25367 001 LEC, 12:50-13:40 TTh, Biosystems & Ag Eng Bldg 106, In Person Term Based; Zhenong Jin, Chris Lenhart ; 3 cr.
25368 002 LAB, 13:55-16:15 T, Biosystems & Ag Eng Bldg 106, In Person Term Based; Zhenong Jin, Chris Lenhart ; 3 cr.

3093 Directed Studies

(Student Option; Prereq: instr consent)
25371 001 IND, 00:00-00:00 , , In Person Term Based; 1-5 cr.

3201 Sustainability of Food Systems: A Life Cycle Perspective

(A-F only; GP)
22502 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.)
22397 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

3396 Industry Assignment

(A-F or Audit;)
22398 001 FWK, 00:00-00:00 , , In Person Term Based; 1 cr.

4001 Chemistry of Biomass and Biomass Conversion to Fuels and Products

(A-F or Audit; Prereq: CHEM 2301 or instr consentENV)
25378 001 LEC, 12:50-13:40 MWF, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 BBE 5001001 CHEM 4001; Ulrike Tschirner ; 4 cr.
25727 002 LEC, 00:00-00:00 , ONLINE, Completely Online; Meets With: 002 BBE 5001; Ulrike Tschirner ; 4 cr.

4023W Process Control and Instrumentation

(A-F or Audit; Prereq: Upper div CSE or grad studentWI)
25369 001 LEC, 12:50-13:40 MW, Biosystems & Ag Eng Bldg 106, In Person Term Based; Meets With: 001 BBE 5023; Ce Yang, Kevin Janni ; 3 cr.
25370 002 LAB, 12:50-14:30 F, Biosystems & Ag Eng Bldg 106, In Person Term Based; Meets With: 002 BBE 5023; Ce Yang, Kevin Janni ; 3 cr.

4301 Applied Surface and Colloid Science

(Student Option; Prereq: 3043 or BMEN 2101 or CHEN 3101 or CHEM 4501 or instr consent)
25905 001 LEC, 13:30-14:45 TTh, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 CHEM 4301001 BBE 5301; Steve Severtson ; 3 cr.

4401 Bioproducts Separation and Purification Processes

(A-F or Audit;)
25379 001 LEC, 11:45-13:15 TTh, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 BBE 5401; Shri Ramaswamy ; 3 cr.

4402 Bio-based Products Engineering Lab II

(A-F or Audit; Prereq: BBE 2003 and BBE 4013, [jr or sr or instr consent])
 26330 001 LAB, 08:30-11:00 W, Kaufert Laboratory 60, In Person Term Based; Meets With: 001 BBE 5402; Shri Ramaswamy, Huajiang Huang, Ulrike Tschirner ; 2 cr.
 26333 002 LAB, 08:30-11:00 F, Kaufert Laboratory 60, In Person Term Based; Meets With: 002 BBE 5402; Huajiang Huang, Shri Ramaswamy, Ulrike Tschirner ; 2 cr.

4404 Biopolymers and Biocomposites Engineering

(A-F or Audit; Prereq: [BBE/CSE upper division] or instr consent)
 25903 001 LEC, 10:15-11:30 TTh, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 BBE 5404; William Tai Yin Tze ; 3 cr.

4535 Assessment and Diagnosis of Impaired Waters

(A-F only; Prereq: BBE 3012 and Upper division in CSE or CFANS or CBS student or instr consent)
 25555 001 LEC, 08:15-09:30 TTh, Biosystems & Ag Eng Bldg 106, In Person Term Based; Meets With: 001 BBE 5535; Joe Magner, John Nieber ; 3 cr.

4608 Environmental and Industrial Microbiology

(A-F only; Prereq: [BIOL 1001 or BIOL 1009], CHEM 1011)
 22653 001 LEC, 08:30-09:45 TTh, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 BBE 5608; Jiwei Zhang ; 3 cr.

4900 Intern Reports

(A-F or Audit; Prereq: [CSE or CFANS] student in BBE, instr consent)
 25372 001 FWK, 00:00-00:00 , , In Person Term Based; 2 cr.

5001 Chemistry of Biomass and Biomass Conversion to Fuels and Products

(A-F or Audit; Prereq: Grad student or instr consent)
 25380 001 LEC, 12:50-13:40 MWF, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 CHEM 4001001 BBE 4001; Ulrike Tschirner ; 4 cr.
 26289 002 LEC, 00:00-00:00 , ONLINE, Completely Online; Meets With: 002 BBE 4001; Ulrike Tschirner ; 4 cr.

5023 Process Control and Instrumentation (Student Option; Prereq: Grad student or instr consent)

25382 001 LEC, 12:50-13:40 MW, Biosystems & Ag Eng Bldg 106, In Person Term Based; Meets With: 001 BBE 4023W; Ce Yang, Kevin Janni ; 3 cr.
 25899 002 LAB, 12:50-14:30 F, Biosystems & Ag Eng Bldg 106, In Person Term Based; Meets With: 002 BBE 4023W; Ce Yang, Kevin Janni ; 3 cr.

5093 Directed Study

(Student Option; Prereq: department consent, instructor consent, no more than 6 credits of directed research counts towards CFANS major requirements.)
 22823 001 IND, In Person Term Based; 1-4 cr.

5094 Directed Research

(Student Option; Prereq: instr consent)
 25373 001 IND, 00:00-00:00 , , In Person Term Based; 1-5 cr.

5301 Applied Surface and Colloid Science (Student Option;)

25906 001 LEC, 13:30-14:45 TTh, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 CHEM 4301001 BBE 4301; Steve Severtson ; 3 cr.

5402 Bio-based Products Engineering Lab II

(A-F or Audit;)
 26331 001 LAB, 08:30-11:00 W, Kaufert Laboratory 60, In Person Term Based; Meets With: 001 BBE 4402; Shri Ramaswamy, Huajiang Huang, Ulrike Tschirner ; 2 cr.
 26334 002 LAB, 08:30-11:00 F, Kaufert Laboratory 60, In Person Term Based; Meets With: 002 BBE 4402; Huajiang Huang, Shri Ramaswamy, Ulrike Tschirner ; 2 cr.

5404 Biopolymers and Biocomposites Engineering

(A-F or Audit; Prereq: grad student or instr consent)
 25904 001 LEC, 10:15-11:30 TTh, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 BBE 4404; William Tai Yin Tze ; 3 cr.

5513 Watershed Engineering

(A-F or Audit; Prereq: 3023, upper div CSE or grad student)

25374 001 LEC, 11:45-12:35 TTh, Biosystems & Ag Eng Bldg 106, In Person Term Based; Bruce Wilson ; 3 cr.
 25375 002 LAB, 14:55-17:25 Th, Biosystems & Ag Eng Bldg 106, In Person Term Based; Bruce Wilson ; 3 cr.

5535 Assessment and Diagnosis of Impaired Waters

(A-F only; Prereq: Grad student or instr consent)
 25477 001 LEC, 08:15-09:30 TTh, Biosystems & Ag Eng Bldg 106, In Person Term Based; Meets With: 001 BBE 4535; Joe Magner, John Nieber ; 3 cr.

5608 Environmental and Industrial Microbiology

(A-F only; Prereq: [BIOL 1001 or BIOL 1009], CHEM 1011)
 22654 001 LEC, 08:30-09:45 TTh, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 BBE 4608; Jiwei Zhang ; 3 cr.

Business Administration (BA)

1011 Leading Self & Teams

(A-F only; Prereq: Carlson School of Management student)
 23019 002 LEC, 10:10-11:50 M, Carlson School of Mgmt L-122, In Person Term Based; Ameer Mcdonald ; 2 cr.
 23020 003 LEC, 12:20-14:00 M, Carlson School of Mgmt L-122, In Person Term Based; Ameer Mcdonald ; 2 cr.
 23021 004 LEC, 12:20-14:00 T, Carlson School of Mgmt L-122, In Person Term Based; Le Zhou ; 2 cr.
 23022 005 LEC, 14:30-16:10 T, Carlson School of Mgmt L-122, In Person Term Based; Le Zhou ; 2 cr.
 23023 006 LEC, 08:00-09:40 W, Carlson School of Mgmt L-126, In Person Term Based; Brian Dorr ; 2 cr.
 23079 007 LEC, 10:10-11:50 W, Carlson School of Mgmt L-126, In Person Term Based; Yelena Hydrie ; 2 cr.
 23089 009 LEC, 12:20-14:00 Th, Carlson School of Mgmt L-126, In Person Term Based; Christopher Winchester ; 2 cr.
 23091 001 LEC, 08:00-09:40 M, Carlson School of Mgmt L-122, In Person Term Based; Brian Dorr ; 2 cr.
 23247 010 LEC, 14:30-16:10 Th, Carlson School of Mgmt L-126, In Person Term Based; Christopher Winchester ; 2 cr.
 23442 008 LEC, 12:20-14:00 W, Carlson School of Mgmt L-126, In Person Term Based; Yelena Hydrie ; 2 cr.

1021 Design Your Life

(S-N only; Prerequisite: Carlson School student)
 32766 001 LEC, 08:00-09:15 W, Carlson School of Mgmt L-122, In Person Term Based; Zain Olson ; 1 cr.
 32767 002 LEC, 10:10-11:25 W, Carlson School of Mgmt L-122, In Person Term Based; Zain Olson ; 1 cr.
 32768 003 LEC, 12:20-13:35 W, Carlson School of Mgmt L-122, In Person Term Based; Caroline Quinn ; 1 cr.
 32769 004 LEC, 12:20-13:35 Th, Carlson School of Mgmt L-122, In Person Term Based; Caroline Quinn ; 1 cr.
 32770 005 LEC, 14:30-15:45 Th, Carlson School of Mgmt L-122, In Person Term Based; Vladas Griskevicius ; 1 cr.
 32771 006 LEC, 08:00-09:15 M, Carlson School of Mgmt L-126, In Person Term Based; Katie Selby ; 1 cr.
 32772 007 LEC, 10:10-11:25 M, Carlson School of Mgmt L-126, In Person Term Based; Katie Selby ; 1 cr.
 32773 008 LEC, 12:20-13:35 M, Carlson School of Mgmt L-126, In Person Term Based; Katie Selby ; 1 cr.
 32774 009 LEC, 12:20-13:35 T, Carlson School of Mgmt L-126, In Person Term Based; Sarah Wojnicki Smith ; 1 cr.
 32775 010 LEC, 14:30-15:45 T, Carlson School of Mgmt L-126, In Person Term Based; Sarah Wojnicki Smith ; 1 cr.

2005 Business Ethics, Corporate Responsibility & Sustainability

(A-F only; CIV)
 23146 001 LEC, 11:15-12:30 MW, Hanson Hall 1-103, In Person Term Based; Rand Park ; 3 cr.
 23147 002 LEC, 13:00-14:15 MW, Hanson Hall 1-103, In Person Term Based; Rand Park ; 3 cr.
 23148 003 LEC, 13:00-14:15 TTh, Hanson Hall 1-103, In Person Term Based; Rand Park ; 3 cr.
 23160 004 LEC, 14:30-15:45 TTh, Carlson School of Mgmt L-147, In Person Term Based; Rand Park ; 3 cr.

2021 Design Your Career

(S-N only; Prereq: Carlson School undergraduate student)
 22953 003 LEC, 16:00-17:15 M, Carlson School of Mgmt L-233, In Person Term Based; Jennifer Fuhrman ; 1 cr.
 22954 004 LEC, 08:15-09:30 T, Carlson School of Mgmt L-122, In Person Term Based; Rebecca Dordel ; 1 cr.
 22955 002 LEC, 13:45-15:00 M, Carlson School of Mgmt L-126, In Person Term Based; Jennifer Fuhrman ; 1 cr.

22958 005 LEC, 09:55-11:10 T, Blegen Hall 135, In Person Term Based; Katie Hauge ; 1 cr.
 22963 006 LEC, 16:00-17:15 T, Carlson School of Mgmt L-132, In Person Term Based; Britney Hayes ; 1 cr.
 23001 007 LEC, 13:45-15:00 W, Carlson School of Mgmt L-122, In Person Term Based; Shontel Smith ; 1 cr.
 23116 001 LEC, 12:05-13:20 M, Carlson School of Mgmt L-147, In Person Term Based; Katie Hauge ; 1 cr.
 23258 009 LEC, 09:55-11:10 Th, Carlson School of Mgmt L-114, In Person Term Based; Annie Montemayor ; 1 cr.
 23347 010 LEC, 11:50-13:05 Th, Carlson School of Mgmt L-224, In Person Term Based; Annie Montemayor ; 1 cr.
 23453 011 LEC, 09:55-11:10 F, Carlson School of Mgmt L-224, In Person Term Based; Shontel Smith ; 1 cr.
 23476 008 LEC, 16:00-17:15 W, Carlson School of Mgmt L-233, In Person Term Based; Britney Hayes ; 1 cr.

2051 Modeling Business Scenarios in Excel

(A-F only;)
 23272 001 LEC, 08:00-08:50 MW, Hanson Hall 1-103, In Person Term Based; Nick Seeman ; 2 cr.
 23273 002 LEC, 09:05-09:55 MW, Hanson Hall 1-103, In Person Term Based; Nick Seeman ; 2 cr.
 23274 003 LEC, 10:10-11:00 MW, Hanson Hall 1-103, In Person Term Based; Lisa Kline ; 2 cr.
 23275 004 LEC, 14:30-15:20 MW, Hanson Hall 1-103, In Person Term Based; Nick Seeman ; 2 cr.
 23276 005 LEC, 08:00-08:50 TTh, Hanson Hall 1-103, In Person Term Based; Eric White, Jeff Bailey ; 2 cr.
 23277 006 LEC, 09:05-09:55 TTh, Hanson Hall 1-103, In Person Term Based; Eric White ; 2 cr.
 23278 007 LEC, 10:10-11:00 TTh, Hanson Hall 1-103, In Person Term Based; Eric White ; 2 cr.
 23289 008 LEC, 14:30-15:20 TTh, Hanson Hall 1-103, In Person Term Based; Lisa Kline ; 2 cr.

2062 Powerful Problem Solving

(A-F only;)
 32779 001 LEC, 10:10-11:50 M, Carlson School of Mgmt L-118, In Person Term Based; Silas Morgan ; 2 cr.
 32780 002 LEC, 10:10-11:50 W, Carlson School of Mgmt L-118, In Person Term Based; Ameer Mcdonald ; 2 cr.
 32781 003 LEC, 12:20-14:00 T, Hanson Hall 1-105, In Person Term Based; Edward Blevins ; 2 cr.
 32974 004 LEC, 12:20-14:00 Th, Hanson Hall 1-105, In Person Term Based; Jordan Garcia ; 2 cr.

2551 Business Statistics in R

(A-F or Audit; Prereq: [Math 1031 or equiv]MATH)
 32573 001 LEC, 08:00-09:40 MW, Carlson School of Mgmt L-110, In Person Term Based; Bhupinder Juneja ; 4 cr.
 32574 002 LEC, 10:10-11:50 MW, Carlson School of Mgmt L-115, In Person Term Based; Bhupinder Juneja ; 4 cr.
 32575 003 LEC, 12:20-14:00 MW, Carlson School of Mgmt L-115, In Person Term Based; Bhupinder Juneja ; 4 cr.
 32576 004 LEC, 14:30-16:10 MW, Carlson School of Mgmt L-115, In Person Term Based; Oliver Papp ; 4 cr.
 32577 005 LEC, 10:10-11:50 TTh, Carlson School of Mgmt L-110, In Person Term Based; Bhupinder Juneja ; 4 cr.
 32578 006 LEC, 12:20-14:00 TTh, Carlson School of Mgmt L-110, In Person Term Based; Steven Huchendorf ; 4 cr.
 32579 007 LEC, 08:00-09:40 MW, Carlson School of Mgmt L-115, In Person Term Based; Shawn Osell ; 4 cr.
 32580 008 LEC, 16:40-18:20 MW, Hanson Hall 1-108, In Person Term Based; Oliver Papp ; 4 cr.
 34452 009 LEC, 16:40-18:20 TTh, Carlson School of Mgmt L-110, In Person Term Based; Oliver Papp ; 4 cr.

3001 Race, Power, and Justice in Business

(A-F only; Prereq: BA 1011 recommended DSJ)
 32782 001 LEC, 13:00-14:15 TTh, Carlson School of Mgmt L-147, In Person Term Based; John Budd ; 3 cr.

3033W Business Communication

(A-F or Audit; Prereq: First Year Writing, Carlson School junior or senior.WI)
 23006 001 LEC, 08:15-09:30 MW, Carlson School of Mgmt L-228, In Person Term Based; Adam Schrag ; 3 cr.
 23007 002 LEC, 09:45-11:00 MW, Carlson School of Mgmt L-228, In Person Term Based; Adam Schrag ; 3 cr.
 23008 003 LEC, 11:15-12:30 MW, Carlson School of Mgmt L-228, In Person Term Based; Nat Bennett ; 3 cr.
 23009 004 LEC, 13:00-14:15 MW, Carlson School of Mgmt L-219, In Person Term Based; Adam Schrag ; 3 cr.
 23010 005 LEC, 13:00-14:15 MW, Carlson School of Mgmt L-228, In Person Term Based; Nat Bennett ; 3 cr.
 23011 006 LEC, 14:30-15:45 MW, Carlson School of Mgmt L-228, In Person Term Based; Mary Rosa ; 3 cr.
 23012 007 LEC, 16:00-17:15 MW, Carlson School of Mgmt L-228, In Person Term Based; Mary Rosa ; 3 cr.
 23013 008 LEC, 09:45-11:00 TTh, Carlson School of Mgmt L-228, In Person Term Based; Adam Schrag ; 3 cr.
 23014 009 LEC, 09:45-11:00 TTh, Carlson School of Mgmt L-219, In Person Term Based; Nat Bennett ; 3 cr.

23015 020 LEC, 17:45-20:15 T, Carlson School of Mgmt
2-228, In Person Term Based; Ryan Wold ; 3 cr.
23062 010 LEC, 11:15-12:30 TTh, Carlson School of Mgmt
2-219, In Person Term Based; Nat Bennett ; 3 cr.
23109 011 LEC, 11:15-12:30 TTh, Carlson School of Mgmt
2-228, In Person Term Based; Adam Schrag ; 3 cr.
23248 012 LEC, 13:00-14:15 TTh, Carlson School of Mgmt
2-228, In Person Term Based; Mary Rosa ; 3 cr.
23445 013 LEC, 14:30-15:45 TTh, Carlson School of Mgmt
2-228, In Person Term Based; Mary Rosa ; 3 cr.
23471 014 LEC, 16:00-17:15 TTh, Carlson School of Mgmt
2-228, In Person Term Based; Mary Rosa ; 3 cr.

3993 Directed Study

(Student Option; Prereq: Instrutor consent)
22941 001 IND, Independent/Directed Study; 1-4 cr.

3996 Internship Seminar

(S-N only; Prereq: Approved internship, instructor consent)
23093 001 IND, In Person Term Based; Rebecca Dordel ; 1 cr.
23184 002 IND, In Person Term Based; Rebecca Dordel ; 1 cr.

4501 Carlson Growth Equity Fund

(A-F only; Prereq: approved application)
23217 001 FWK, 08:00-09:40 TTh, Carlson School of Mgmt
1-147, In Person Term Based; Meets With: 001 MBA 6501;
Susanna Gibbons ; 2-4 cr.

4502 Carlson Fixed Income Fund

(A-F only; Prereq: approved application)
23218 001 FWK, 08:00-09:40 TTh, Carlson School of Mgmt
L-118, In Person Term Based; Meets With: 001 MBA 6502;
Susanna Gibbons ; 2-4 cr.

4503 Carlson Ventures Enterprise

(Student Option No Audit; Prereq: approved application)
23202 001 FWK, 08:00-09:40 TTh, Carlson School of Mgmt
1-132, In Person Term Based; Meets With: 001 MBA 6503;
Tobin Nord ; 2-4 cr.

4504 Carlson Consulting Enterprise

(A-F only; Prereq: approved application)
23003 001 FWK, 08:00-09:40 TTh, Carlson School of Mgmt
L-114, In Person Term Based; Meets With: 001 MBA 6504;
Siddharth Chandramouli ; 1-4 cr.

4505 Brand Enterprise

(Student Option No Audit; Prereq: approved application)
23004 001 FWK, 08:00-09:40 TTh, Carlson School of Mgmt
2-215, In Person Term Based; Meets With: 001 MBA 6505;
David Hopkins ; 2-4 cr.

4992V Honors Thesis Seminar

(A-F only; Prereq: Senior honors student WI)
23264 001 LEC, 12:05-13:20 MW, Hanson Hall 1-111, In
Person Term Based; Michael Iselin ; 3 cr.

Business Law (BLAW)**3059 Real Estate Law**

(A-F only;)
23314 001 LEC, 15:45-17:25 TTh, Hanson Hall 1-107, In
Person Term Based; 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.)
23454 001 LEC, 08:00-09:40 MW, Hanson Hall 1-107, In Person Term Based; Jack Kramer ; 2 cr.
23455 020 LEC, 17:45-21:05 W, Hanson Hall 1-107, In Person Term Based; John Grayson ; 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.)

23456 001 LEC, 08:00-09:40 MW, Hanson Hall 1-107, In Person Term Based; Jack Kramer ; 2 cr.
23457 002 LEC, 10:10-11:50 MW, Carlson School of Mgmt 1-147, In Person Term Based; Jack Kramer ; 2 cr.
23458 003 LEC, 10:10-11:50 MW, Carlson School of Mgmt 1-147, In Person Term Based; Jack Kramer ; 2 cr.

CAPA Barcelona Study Abr Prgm (BCLA)**Carlson Executive MBA (CMBA)****5839 Management of Teams**

(A-F only;)
34089 001 LEC, In Person Term Based; Mary Zellmer-Bruhn ; 1.5 cr.

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)
16171 001 IND, Independent/Directed Study; Sarah Malmquist ; 1-7 cr.

4794W Writing Intensive Directed Research

(S-N only; WI)
16174 001 IND, Independent/Directed Study; Sarah Malmquist ; 1-7 cr.
16175 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.)
16172 001 IND, Independent/Directed Study; 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.)
16173 001 IND, Independent/Directed Study; Sarah Malmquist ; 1-7 cr.

Center for Allied Health Prog (CAHP)**5110 Foundations of Interprofessional Communication and Collaboration**

(S-N only; Prereq: Enrolled CLSP or OT student)
30223 001 LEC, In Person Term Based; 1 cr.
30224 002 LEC, In Person Term Based; 1 cr.
30225 003 LEC, In Person Term Based; 1 cr.
30226 004 LEC, In Person Term Based; 1 cr.

Chemical Engineering (CHEN)**1001 Advances in Chemical Engineering and Materials Science**

(S-N or Audit; Prereq: Recommended for [chemical engineering, materials science/engineering] majors)
24482 001 LEC, 14:30-15:20 Th, Amundson Hall B75, In Person Term Based; Meets With: 001 MATS 1001; Lorraine Francis, Paul Dauenhauer ; 1 cr.

2001 Material and Energy Balances

(A-F or Audit; Prereq: Chem 1061 or equiv., concurrent registration is required (or allowed) in MATH 2374 or equiv., concurrent registration is required (or allowed) in PHYS 1302 or equiv., CSE student, C- or better in all pre-reqs)
25434 002 DIS, 09:05-09:55 TTh, Amundson Hall 116, In Person Term Based; Michelle Calabrese ; 4 cr.
25435 001 LEC, 15:35-16:25 MWF, Amundson Hall B75, 18:00-19:00 Th, Amundson Hall B75, 18:00-19:00 Th, Amundson Hall B75, 18:00-19:00 Th, Amundson Hall B75, In Person Term Based; Michelle Calabrese ; 4 cr.
25436 003 DIS, 10:10-11:00 TTh, Amundson Hall 116, In Person Term Based; Michelle Calabrese ; 4 cr.
25437 004 DIS, 11:15-12:05 TTh, Amundson Hall 116, In Person Term Based; Michelle Calabrese ; 4 cr.
25438 005 DIS, 15:35-16:25 TTh, Amundson Hall 116, In Person Term Based; Michelle Calabrese ; 4 cr.

2594 Directed Research Lower Division

(Student Option No Audit; Prereq: instr consent, DUGS consent)
25967 001 IND, 00:00-00:00 , , In Person Term Based; Kevin Dorfman ; 1-4 cr.

3005 Transport Phenomena: Momentum and Heat

(A-F only; Prereq: [2001 or [transfer student, dept consent]], [Math 2373 or equiv.], upper div ChEn major, C- or better in all pre-reqs)
24246 001 LEC, 10:10-11:00 MWF, Amundson Hall B75, In Person Term Based; Satish Kumar ; 4 cr.
24247 002 DIS, 08:00-08:50 TTh, Amundson Hall 158, In Person Term Based; Satish Kumar ; 4 cr.
24248 003 DIS, 09:05-09:55 TTh, Amundson Hall 120, In Person Term Based; Satish Kumar ; 4 cr.
24249 004 DIS, 10:10-11:00 TTh, Amundson Hall 120, In Person Term Based; Satish Kumar ; 4 cr.
24250 005 DIS, 12:20-13:10 TTh, Amundson Hall 120, In Person Term Based; Satish Kumar ; 4 cr.

3102 Reaction Kinetics and Reactor Engineering

(A-F only; Prereq: [2001 or 4001], [3101 or 4101], [upper div ChEn major or dept consent], C- or better in all pre-reqs)
26680 001 LEC, 09:05-09:55 MWF, Amundson Hall B75, In Person Term Based; Matthew Neurock ; 4 cr.
26681 005 DIS, 16:40-17:30 TTh, Amundson Hall 120, In Person Term Based; Matthew Neurock ; 4 cr.
26682 004 DIS, 14:30-15:20 TTh, Amundson Hall 124, In Person Term Based; Matthew Neurock ; 4 cr.
26683 003 DIS, 11:15-12:05 TTh, Amundson Hall 120, In Person Term Based; Matthew Neurock ; 4 cr.
26684 002 DIS, 08:00-08:50 TTh, Amundson Hall 116, In Person Term Based; Matthew Neurock ; 4 cr.

3201 Numerical methods in ChEn applications

(A-F only;)
26685 001 LEC, 13:25-14:15 MWF, Amundson Hall B75, In Person Term Based; Jeffrey Derby ; 3 cr.
26686 002 DIS, 09:05-09:55 T, Amundson Hall 124, In Person Term Based; Jeffrey Derby ; 3 cr.
26687 003 DIS, 10:10-11:00 T, Amundson Hall 124, In Person Term Based; Jeffrey Derby ; 3 cr.
26688 004 DIS, 12:20-13:10 T, Amundson Hall 124, In Person Term Based; Jeffrey Derby ; 3 cr.
26689 005 DIS, 15:35-16:25 T, Amundson Hall 124, In Person Term Based; Jeffrey Derby ; 3 cr.

4401W Senior Chemical Engineering Lab

(A-F only; Prereq: CHEN 3006, CHEN 3401WWI)
24251 001 LEC, 11:15-12:05 MWF, Amundson Hall B75, In Person Term Based; Frank Bates, Samira Azarin ; 4 cr.
24252 002 LAB, 14:00-17:30 F, Lab TBA, 13:25-17:25 M, Lab TBA, In Person Term Based; Samira Azarin ; 4 cr.
24253 003 LAB, 08:30-12:00 Th, Lab TBA, 08:00-12:00 T, Lab TBA, In Person Term Based; Samira Azarin ; 4 cr.
24254 004 LAB, 14:00-17:30 Th, Lab TBA, 13:25-17:25 T, Lab TBA, In Person Term Based; Samira Azarin ; 4 cr.
24255 005 LAB, 14:00-17:30 M, Lab TBA, 13:25-17:25 W, Lab TBA, In Person Term Based; Samira Azarin ; 4 cr.
24257 007 LAB, 14:00-17:30 T, Lab TBA, 13:25-17:25 Th, Lab TBA, In Person Term Based; Samira Azarin ; 4 cr.
33859 006 LAB, 08:30-12:00 T, Lab TBA, 08:00-12:00 Th, Lab TBA, In Person Term Based; Samira Azarin ; 4 cr.

4593 Directed study

(Student Option No Audit; Prereq: ChEn major upper division, instr consent)
24284 001 IND, 00:00-00:00 , , In Person Term Based; Kevin Dorfman ; 1-4 cr.

4594 Directed Research

(Student Option No Audit; Prereq: Upper div ChEn)
24283 001 IND, 00:00-00:00 , , In Person Term Based; Kevin Dorfman ; 1-4 cr.

4601 Process Control

(A-F or Audit; Prereq: [3102 or 4102], [upper div ChEn major or dept consent], C- or better in all pre-reqs)
25515 001 LEC, 08:00-08:50 MWF, Amundson Hall B75, In Person Term Based; Alon McCormick ; 3 cr.
25516 003 DIS, 11:15-12:05 TTh, Amundson Hall 156, In Person Term Based; Alon McCormick ; 3 cr.
25517 004 DIS, 12:20-13:10 TTh, Amundson Hall 156, In Person Term Based; Alon McCormick ; 3 cr.
25518 005 DIS, 14:30-15:20 TTh, Amundson Hall 156, In Person Term Based; Alon McCormick ; 3 cr.
25601 002 DIS, 09:05-09:55 TTh, Amundson Hall 156, In Person Term Based; Alon McCormick ; 3 cr.

4701 Applied Math

(A-F only; Prereq: [3102 or 4102], ChEn major upper div)
24513 001 LEC, 08:00-09:55 TTh, Akerman Hall 209, In Person Term Based; Meets With: 001 CHEN 8201001 MATS 8201; Prodomos Daoutidis ; 3 cr.

5751 Biochemical Engineering

(A-F or Audit; Prereq: [3005 or 4005], [concurrent registration is required (or allowed) in 3006 or concurrent registration is required (or allowed) in 4006], [concurrent registration is required (or allowed) in 3102 or concurrent registration is required (or allowed) in 4102])
25754 001 LEC, 09:05-09:55 MWF, Amundson Hall 104, In Person Term Based; Wei-Shou Hu ; 3 cr.

5771 Colloids and Dispersions

(A-F or Audit; Prereq: Physical chemistry)
24510 001 LEC, 14:30-15:45 TTh, Akerman Hall 209, In Person Term Based; Meets With: 001 MATS 5771; Joseph Zasadzinski ; 3 cr.

5801 Optimization in Chemical and Energy Systems Engineering

(A-F or Audit;)
26985 001 LEC, 13:00-14:15 MW, Akerman Hall 209, In Person Term Based; Meets With: 001 MATS 5801; Qi Zhang ; 3 cr.

5803 Chemical and Materials Technology Commercialization

(A-F only; Prereq: courses: ChEn 3101 or MatS 3001)
26939 001 LEC, 12:20-13:10 MWF, Akerman Hall 319, In Person Term Based; Meets With: 001 MATS 5803; Paul Dauenhauer ; 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)
25063 001 LEC, Completely Online; Emily Pelton ; 3 cr.
26363 002 LEC, 11:15-12:30 TTh, Bruininks Hall 412, Partially Online; Michelle Driessen ; 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)
25064 001 LAB, 08:00-10:50 T, Smith Hall 249, In Person Term Based; Michelle Driessen ; 1 cr.
25124 002 LAB, 14:30-17:20 W, Smith Hall 249, In Person Term Based; Michelle Driessen ; 1 cr.
25125 003 LAB, 14:30-17:20 Th, Smith Hall 249, In Person Term Based; Michelle Driessen ; 1 cr.

25126 004 LAB, 18:00-20:50 Th, Smith Hall 249, In Person Term Based; Michelle Driessen ; 1 cr.
26316 005 LAB, 14:30-17:20 T, Smith Hall 249, In Person Term Based; 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)
25654 001 LEC, 12:20-13:10 MWF, Smith Hall 100, In Person Term Based; Lee Penn ; 3 cr.
25655 002 LEC, 08:15-09:30 TTh, Smith Hall 100, In Person Term Based; Edgar Arriaga ; 3 cr.
25656 003 LEC, 13:00-14:15 T, Bruininks Hall 114, In Person Term Based; Michelle Driessen ; 3 cr.

26028 004 LEC, 13:00-14:15 Th, Bruininks Hall 114, In Person Term Based; Michelle Driessen ; 3 cr.
26029 005 LEC, Completely Online; Michelle Driessen ; 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)
25657 001 LEC, 11:15-12:05 MWF, Bruininks Hall 230, In Person Term Based; Emily Pelton ; 3 cr.
25658 002 LEC, 14:30-15:20 MWF, Smith Hall 100, In Person Term Based; Emily Pelton ; 3 cr.
25828 003 LEC, 11:15-12:30 TTh, Smith Hall 100, In Person Term Based; Aaron Massari ; 3 cr.

1065 Chemical Principles I Laboratory

(A-F only; Prereq: concurrent registration is required (or allowed) in 1061PHYS)
25687 002 LAB, 11:15-14:05 M, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25688 003 LAB, 14:30-17:20 M, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25689 004 LAB, 08:00-10:50 T, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25690 005 LAB, 11:15-14:05 T, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25691 006 LAB, 14:30-17:20 T, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25692 007 LAB, 08:00-10:50 W, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25693 008 LAB, 11:15-14:05 W, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25694 009 LAB, 14:30-17:20 W, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25695 010 LAB, 08:00-10:50 Th, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25696 011 LAB, 11:15-14:05 Th, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25697 012 LAB, 14:30-17:20 Th, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25698 013 LAB, 08:00-10:50 F, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25699 014 LAB, 11:15-14:05 F, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25700 015 LAB, 14:30-17:20 F, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.
25715 016 LAB, 18:00-20:50 Th, Smith Hall 110, In Person Term Based; Michelle Driessen ; 1 cr.

1066 Chemical Principles II Laboratory

(A-F only; Prereq: concurrent registration is required (or allowed) in 1062PHYS)
25701 002 LAB, 11:15-14:05 M, Smith Hall 210, In Person Term Based; Michelle Driessen ; 1 cr.
25702 003 LAB, 14:30-17:20 M, Smith Hall 210, In Person Term Based; Michelle Driessen ; 1 cr.
25703 004 LAB, 08:00-10:50 T, Smith Hall 210, In Person Term Based; Michelle Driessen ; 1 cr.
25704 005 LAB, 11:15-14:05 T, Smith Hall 210, In Person Term Based; Michelle Driessen ; 1 cr.
25705 006 LAB, 14:30-17:20 T, Smith Hall 210, In Person Term Based; Michelle Driessen ; 1 cr.
25706 007 LAB, 08:00-10:50 W, Smith Hall 210, In Person Term Based; Michelle Driessen ; 1 cr.
25707 008 LAB, 11:15-14:05 W, Smith Hall 210, In Person Term Based; Michelle Driessen ; 1 cr.
25708 009 LAB, 08:00-10:50 Th, Smith Hall 210, In Person Term Based; Michelle Driessen ; 1 cr.
25709 010 LAB, 11:15-14:05 Th, Smith Hall 210, In Person Term Based; Michelle Driessen ; 1 cr.
25710 011 LAB, 14:30-17:20 Th, Smith Hall 210, In Person Term Based; Michelle Driessen ; 1 cr.

1071H Honors Chemistry I

(A-F only; Prereq: Honors student, permission of University Honors Program, concurrent registration is

required (or allowed) in 1075H; registration for 1075H must precede registration for 1071H)PHYS)
25662 001 LEC, 09:05-09:55 MWF, Smith Hall 231, In Person Term Based; Kenneth Leopold ; 3 cr.

1075H Honors Chemistry I Laboratory

(A-F only; Prereq-1071H, honors student, permission of University Honors Program.PHYS)
25716 002 LAB, 13:25-16:10 T, Smith Hall 249A, In Person Term Based; Michelle Driessen ; 1 cr.
25717 003 LAB, 13:25-16:10 Th, Smith Hall 249A, In Person Term Based; Michelle Driessen ; 1 cr.
26037 005 LAB, 13:25-16:10 M, Smith Hall 249A, In Person Term Based; Michelle Driessen ; 1 cr.

1081 Chemistry for the Life Sciences I

(Student Option; Prereq: grade of a C- or better in CHEM 1015 or passing chemistry placement exam. This course is recommended for CBS majors.PHYS)
26087 001 LEC, 10:10-11:00 MWF, Smith Hall 100, In Person Term Based; Angela Perkins ; 3 cr.
26259 002 LEC, 09:45-11:00 TTh, Smith Hall 100, In Person Term Based; Ilja Siepmann ; 3 cr.

1903 Chemistry in the Kitchen

(Student Option;)
34211 001 LEC, 14:30-17:00 M, Smith Hall 121, In Person Term Based; Christopher Douglas ; 3 cr.
34212 002 LEC, 14:30-17:00 T, Smith Hall 121, In Person Term Based; Christopher Douglas ; 3 cr.

1911W Quantum Mechanics and Popular Philosophy

(Student Option; WI)
34238 001 LEC, 12:20-13:10 MW, Kolthoff Hall 135, In Person Term Based; Doreen Leopold ; 2 cr.

1915 ?Seeing is Believing.? How Do We See in Science?

(Student Option;)
34239 001 LEC, 13:00-14:40 T, Smith Hall 221, In Person Term Based; Valerie Pierre ; 2 cr.
34240 002 LEC, 13:00-14:40 Th, Smith Hall 221, In Person Term Based; Valerie Pierre ; 2 cr.

2081 Chemistry for the Life Sciences III

(Student Option; Prereq: grade of a C- or better in CHEM 1082 (lecture) and CHEM 1086 (lab). This course is recommended for CBS majors.)
26219 001 LEC, 11:15-12:05 MWF, Smith Hall 100, In Person Term Based; Angela Perkins ; 3 cr.

2085 Chemistry for the Life Sciences III Laboratory

(Student Option; Prereq: grade of a C- or better in CHEM 1082 (lecture) and CHEM 1086 (lab). Concurrent registration in CHEM 2081 is required. This course is recommended for CBS majors.)
26235 002 LAB, 13:00-16:00 MW, Kolthoff Hall 583, In Person Term Based; Angela Perkins ; 2 cr.
26236 003 LAB, 08:00-11:00 TTh, Kolthoff Hall 583, In Person Term Based; Angela Perkins ; 2 cr.
26237 004 LAB, 11:15-14:15 TTh, Kolthoff Hall 583, In Person Term Based; Angela Perkins ; 2 cr.
26238 005 LAB, 14:30-17:30 TTh, Kolthoff Hall 583, In Person Term Based; Angela Perkins ; 2 cr.

2094 Directed Research

(Student Option; Prereq: instr consent)
26608 001 IND, In Person Term Based; Stephanie Stathopoulos ; 1-3 cr.

2301 Organic Chemistry I

(Student Option; Prereq: C- or better in 1062/1066 or 1072H/1076H)
24006 001 LEC, 09:05-09:55 MWF, Smith Hall 100, In Person Term Based; Debra Salmon ; 3 cr.
24007 002 LEC, 13:25-14:15 MWF, Smith Hall 100, In Person Term Based; Debra Salmon ; 3 cr.
24008 003 LEC, 18:00-21:00 W, Smith Hall 100, In Person Term Based; Alexei Novikov ; 3 cr.

2302 Organic Chemistry II

(Student Option; Prereq: Grade of at least C- in 2301)
24009 001 LEC, 10:10-11:00 MWF, Bruininks Hall 220, In Person Term Based; Alexei Novikov ; 3 cr.
24375 002 LEC, 12:20-13:10 MWF, Bruininks Hall 220, In Person Term Based; Alexei Novikov ; 3 cr.

2311 Organic Lab

(Student Option; Prereq: Grade of at least C- in [2302] or [concurrent registration is required (or allowed) in 2302])
24376 001 LEC, 11:15-12:05 T, Bruininks Hall 230, In Person Term Based; Jane Wissinger ; 4 cr.

24377 002 LEC, 12:20-13:10 T, Bruininks Hall 230, In Person Term Based; Jane Wissinger ; 4 cr.
 24378 003 LEC, 16:55-17:45 T, Bruininks Hall 230, In Person Term Based; Jane Wissinger ; 4 cr.
 24379 004 LAB, 08:00-11:50 MW, Smith Hall 349, In Person Term Based; 4 cr.
 24380 005 LAB, 12:20-16:10 MW, Smith Hall 349, In Person Term Based; 4 cr.
 24381 006 LAB, 08:00-11:50 TTh, Smith Hall 349, In Person Term Based; 4 cr.
 25512 007 LAB, 12:20-16:10 TTh, Smith Hall 349, In Person Term Based; 4 cr.
 26240 008 LAB, 18:00-21:50 TTh, Smith Hall 349, In Person Term Based; 4 cr.

2312H Honors Organic Lab

(A-F only; Prereq: [2301 or concurrent registration is required (or allowed) in 2301], [Chem or ChemE or BioC] major, instr consent)
 24013 001 LEC, 08:00-08:50 TTh, Smith Hall 111, In Person Term Based; Thomas Hoye ; 5 cr.
 24014 002 LAB, 00:00-00:00 , , In Person Term Based; 5 cr.

2331H Honors Elementary Organic Chemistry I

(A-F only; Prereq: At least B+ in 1072H, UHP student)
 25714 001 LEC, 09:05-09:55 MWF, Smith Hall 331, In Person Term Based; Mark Distefano ; 3 cr.

3101 Introductory Analytical Chemistry Lecture

(Student Option; Prereq: 1062/1066 or equiv)
 24001 001 LEC, 09:45-11:00 TTh, Bruininks Hall 114, In Person Term Based; Kyle Bantz ; 3 cr.

3111 Introductory Analytical Chemistry Lab

(Student Option; Prereq: 3101 or concurrent registration is required (or allowed) in 3101)
 24002 001 LEC, 11:15-12:05 T, Smith Hall 231, In Person Term Based; Kyle Bantz ; 2 cr.
 24003 002 LEC, 11:15-12:05 Th, Smith Hall 231, In Person Term Based; Kyle Bantz ; 2 cr.
 24004 004 LAB, 12:30-16:10 T, Smith Hall 310, In Person Term Based; 2 cr.
 24005 005 LAB, 12:30-16:10 W, Smith Hall 310, In Person Term Based; 2 cr.
 26285 006 LAB, 12:30-16:10 Th, Smith Hall 310, In Person Term Based; 2 cr.

4001 Chemistry of Biomass and Biomass Conversion to Fuels and Products

(A-F or Audit; Prereq: 2301, [jr or sr or instr consent]ENV)
 25066 001 LEC, 12:50-13:40 MWF, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 BBE 4001001 BBE 5001; Ulrike Tschirner ; 4 cr.

4011 Mechanisms of Chemical Reactions

(Student Option; Prereq: [2302, 4501] or equiv)
 24095 001 LEC, 10:10-11:00 MWF, Smith Hall 231, In Person Term Based; Meets With: 001 CHEM 8011; Kent Mann ; 3 cr.

4094W Directed Research

(Student Option; Prereq: Any 3xxx or 4xxx chem course, instr consentWI)
 24240 001 IND, 00:00-00:00 , , In Person Term Based; Stephanie Stathopoulos ; 1-5 cr.

4201 Materials Chemistry

(Student Option; Prereq: [4502 or equiv], 4701] or instr consent)
 24582 001 LEC, 11:15-12:30 TTh, Smith Hall 331, In Person Term Based; Meets With: 001 CHEM 8201; Andreas Stein ; 3 cr.

4221 Introduction to Polymer Chemistry

(Student Option; Prereq: [2302, 4501] or instr consent)
 25482 001 LEC, 08:15-09:30 TTh, Bruininks Hall 412, In Person Term Based; Meets With: 001 MATS 8221001 CHEN 8221001 CHEM 8221; Jessica Lamb ; 3 cr.

4301 Applied Surface and Colloid Science

(Student Option; Prereq: 3043 or BMEN 2101 or CHEN 3101 or CHEM 4501 or instr consent)
 26030 001 LEC, 13:30-14:45 TTh, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 BBE 5301001 BBE 4301; Steve Severtson ; 3 cr.

4311W Advanced Organic Chemistry Lab

(Student Option; Prereq: 2311WI)
 24016 001 LEC, 12:20-13:10 F, Smith Hall 121, In Person Term Based; Jane Wissinger ; 4 cr.
 24581 003 LAB, 13:00-17:00 TTh, Kolthoff Hall 594, In Person Term Based; 4 cr.

4321 Organic Synthesis

(Student Option; Prereq: [2302 or equiv], 4501, instr consent)
 24097 001 LEC, 11:15-12:05 MWF, Smith Hall 231, In Person Term Based; Meets With: 001 CHEM 8321; Thomas Hoye ; 3 cr.

4411 Introduction to Chemical Biology

(Student Option; Prereq: [2302 or 2081 equiv])
 24101 001 LEC, 13:00-14:15 TTh, Smith Hall 331, In Person Term Based; Meets With: 001 CHEM 8411; Erin Carlson ; 3 cr.

4423W Foundations of Chemical Biology Laboratory

(Student Option; Prereq: [2302 or 2304], 2311, 2111WI)
 25998 001 LEC, 14:30-15:45 W, Smith Hall 231, In Person Term Based; William Pomerantz ; 2 cr.
 25999 002 LAB, 12:40-16:30 T, Kolthoff Hall 494, In Person Term Based; 2 cr.
 26000 003 LAB, 08:00-11:50 Th, Kolthoff Hall 494, In Person Term Based; 2 cr.
 26208 005 LAB, 12:40-16:30 Th, Kolthoff Hall 494, In Person Term Based; 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])
 25603 001 LEC, 11:15-12:05 MWF, Anderson Hall 210, In Person Term Based; Jason Goodpaster ; 3 cr.

4502 Introduction to Quantum Mechanics and Spectroscopy

(A-F or Audit; Prereq: [1062/1066 or 1072H/1076H of 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])
 25557 001 LEC, 10:10-11:00 MF, Bruininks Hall 530B, 10:10-11:00 W, Anderson Hall 250, In Person Term Based; Doreen Leopold ; 3 cr.

4511W Advanced Physical Chemistry Lab

(Student Option; Prereq: 4502, chemistry majorWI)
 24017 001 LEC, 13:25-14:15 M, Appleby Hall 11, In Person Term Based; Kenneth Leopold ; 3 cr.
 24018 002 LAB, 13:25-17:15 T, Kolthoff Hall 465, In Person Term Based; 3 cr.
 25514 003 LAB, 13:25-17:15 W, Kolthoff Hall 465, In Person Term Based; 3 cr.

4715 Physical Inorganic Chemistry

(Student Option; Prereq: 4701 or equiv, chem major or instr consent)
 24103 001 LEC, 12:20-13:10 MWF, Smith Hall 111, In Person Term Based; Meets With: 001 CHEM 8715; Gwendolyn Bailey ; 3 cr.

4725 Organometallic Chemistry

(Student Option; Prereq: 4701 or equiv, chem major or instr consent)
 26638 001 LEC, 13:25-14:45 MW, Smith Hall 111, In Person Term Based; Meets With: 001 CHEM 8725; Courtney Roberts ; 3 cr.

4894 Directed Thesis

(A-F only; Prereq: instr consent)
 25965 001 IND, In Person Term Based; Stephanie Stathopoulos ; 1-3 cr.

Chicano Studies (CHIC)

1102 Latinos in the United States: Culture and Citizenship

(Student Option; DSJ,HIS)
 18968 001 LEC, 13:00-14:15 TTh, Nicholson Hall 35, In Person Term Based; Meets With: 001 CHIC 1102H; Jimmy Patino ; 3 cr.

1102H Honors: Latinos in the United States: Culture and Citizenship

(A-F only; DSJ,HIS)
 19672 001 LEC, 13:00-14:15 TTh, Nicholson Hall 35, In Person Term Based; Meets With: 001 CHIC 1102; Jimmy Patino ; 3 cr.

3212 Chicana Feminism: La Chicana in Contemporary Society

(Student Option; AH,DSJ)
 18954 001 LEC, 09:45-11:00 TTh, Blegen Hall 110, In Person Term Based; Claudia Fuentes ; 3 cr.

3223 Chicana/o and Latina/o Representation in Film

(Student Option; AH,DSJ)
 21569 001 LEC, Completely Online; Alexandra Covarrubias ; 3 cr.

3352 Transborder Theory: Global Views/ Borderland Spaces

(Student Option;)
 20049 001 LEC, 11:15-12:30 MW, Burton Hall 125, In Person Term Based; Roy Guzman ; 3 cr.

3375 Folklore of Greater Mexico

(Student Option; DSJ)
 21570 001 LEC, 15:35-17:45 W, Folwell Hall 106, In Person Term Based; Tiahtoki Xochimeh ; 3 cr.

3444 Chicana and Chicano History I

(Student Option; DSJ,HIS)
 19020 001 LEC, 11:15-12:30 TTh, Elliott Hall N119, In Person Term Based; Jimmy Patino ; 3 cr.

3452 Chicana/LatinX Indigeneity

(Student Option; DSJ)
 33155 001 LEC, 11:15-12:30 MW, Wulling Hall 220, In Person Term Based; Gabriela Spears-Rico ; 3 cr.

3507W Introduction to Chicana/o Literature

(Student Option; DSJ,WL,LTR)
 19493 002 LEC, Completely Online; Meets With: 002 ENGL 3507W; Vanessa Ramos ; 3 cr.

3888 Immigration and the U.S. Latina/o Experience: Diaspora, Identity, and Community

(Student Option; DSJ,HIS)
 21571 001 LEC, 11:15-12:30 MW, Ford Hall B53, In Person Term Based; Olga Hernandez Villar ; 3 cr.

3993 Directed Studies

(Student Option; Prereq: instr consent)
 17865 001 IND, In Person Term Based; 1-9 cr.

4993W Directed Study: Senior Capstone

(S-N only; WI)
 21688 001 IND, Independent/Directed Study; 1 cr.
 33159 002 IND, In Person Term Based; Gabriela Spears-Rico ; 1 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent)
 19059 002 IND, Independent/Directed Study; 1-3 cr.
 20178 001 IND, Independent/Directed Study; 1-3 cr.
 21366 003 IND, Independent/Directed Study; 1-3 cr.

Child Psychology (CPSY)

1301 Nature-Based Learning in Early Childhood

(A-F or Audit;)
 17443 001 DIS, 14:30-15:45 T, No Room Required, Partially Online; Sheila Williams Ridge, Jennifer Hanlon ; 3 cr.
 17671 002 DIS, 14:30-15:45 Th, No Room Required, Partially Online; Sheila Williams Ridge, Jennifer Hanlon ; 3 cr.

1334 Global Issues on Children and Youth in Society

(Student Option; CIV)
 17727 001 LEC, Completely Online; Gail Ferguson ; 3 cr.

2301 Introduction to Child Psychology

(Student Option; SOCS)
 16256 001 LEC, 09:45-11:00 MW, Nicholson Hall 155, In Person Term Based; Meets With: 001 CPSY 3301001 CPSY 3301H; Henriette Warren ; 4 cr.
 16257 002 DIS, 09:45-10:35 F, Campbell Hall 150, In Person Term Based; Henriette Warren ; 4 cr.
 16259 004 DIS, 10:50-11:40 F, Campbell Hall 150, In Person Term Based; Henriette Warren ; 4 cr.
 16451 008 LEC, Completely Online; Meets With: 008 CPSY 3301; Henriette Warren ; 4 cr.

3301 Introduction to Child Psychology

(Student Option; SOCS)

17093 001 LEC, 09:45-11:00 MW, Nicholson Hall 155, In Person Term Based; Meets With: 001 CPSY 3301H001 CPSY 2301; Henriette Warren ; 4 cr.
17094 002 DIS, 10:50-11:40 F, Campbell Hall 1, In Person Term Based; Henriette Warren ; 4 cr.
17095 008 LEC, Completely Online; Meets With: 008 CPSY 2301; Henriette Warren ; 4 cr.

3301H Honors Introduction to Developmental Psychology

(A-F only; SOCS)

33948 001 LEC, 09:45-11:00 MW, Nicholson Hall 155, In Person Term Based; Meets With: 001 CPSY 3301001 CPSY 2301; Henriette Warren ; 4 cr.
33983 002 DIS, 09:45-10:35 F, Campbell Hall 140, In Person Term Based; Henriette Warren ; 4 cr.

3308W Introduction to Research Methods in Child Psychology

(A-F or Audit; Prereq: CPSY 2301 / 3301 or equiv WI)
16690 001 LEC, 16:00-17:40 MW, Campbell Hall 150, In Person Term Based; Canan Karatekin ; 4 cr.
17596 002 LEC, 09:15-10:55 TTh, Campbell Hall 150, In Person Term Based; Chrylie Elieff ; 4 cr.

3360H Child Psychology Honors Seminar

(A-F or Audit; Prereq: CPSy honors student)

33381 001 LEC, 11:00-12:40 W, Child Development 126, In Person Term Based; Philip Zelazo ; 2 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))
17444 001 DIS, 16:00-17:45 Th, Campbell Hall 150, Partially Online; Sarah Wiebler ; 3 cr.
17468 002 DIS, Completely Online; JoHannah Orman ; 3 cr.

3896 Internship in Child Psychology

(S-N only;)
17447 001 FWK, Completely Online; Meghan Eliason ; 1-4 cr.

4303 Adolescent Psychology

(A-F or Audit; Prereq: PSY 1001 or equivalent)
17446 001 DIS, 09:45-11:00 TTh, Campbell Hall 1, In Person Term Based; Lauren Eales, Cara Lucke ; 3 cr.

4310 Special Topics in Developmental Psychology

(Student Option;)

33556 001 LEC, 13:00-14:15 T, Campbell Hall 150, In Person Term Based; Elizabeth Criswell ; 1-4 cr.

4311 Behavioral and Emotional Problems of Children

(A-F or Audit; Prereq: CPSY 2301 / 3301 or equiv)
16260 001 LEC, 11:15-12:30 TTh, Nicholson Hall 275, In Person Term Based; Syla Wilson ; 3 cr.

4329 Biological Foundations of Development

(A-F or Audit; Prereq: CPSY 2301 / 3301 or equiv)
17691 001 LEC, 14:30-15:45 MW, Campbell Hall 1, In Person Term Based; Sarah Lukowski ; 3 cr.

4331 Social and Personality Development

(A-F or Audit; Prereq: CPSY 2301 / 3301 or equiv)
16262 001 LEC, 12:45-14:00 MW, Campbell Hall 1, In Person Term Based; Daniel Berry ; 3 cr.

4336 Development and Interpersonal Relationships

(A-F or Audit;)
17597 001 LEC, 09:45-11:00 MW, Campbell Hall 1, In Person Term Based; Glenn Roisman ; 3 cr.

4341 Perceptual Development

(Student Option; Prereq: CPSY 2301 / 3301 or equiv)
32695 001 LEC, 13:00-14:15 TTh, Campbell Hall 1, In Person Term Based; Chrylie Elieff ; 3 cr.

4343 Cognitive Development

(A-F or Audit; Prereq: CPSY 2301 or 3301 or equivalent)
16261 001 LEC, 16:00-17:15 TTh, Campbell Hall 1, In Person Term Based; Maria Sera ; 3 cr.

4347W Child Psychology Capstone

(A-F or Audit; Prereq: Senior and completion of CPSY 3308W (or approved equiv)WI)
16462 001 LEC, 11:15-12:30 MW, Campbell Hall 1, In Person Term Based; Arthur Reynolds ; 3 cr.

4994 Directed Research in Developmental Psychology

(Student Option;)
17491 001 LAB, In Person Term Based; Daniel Berry ; 1-4 cr.
17492 002 LAB, In Person Term Based; Elizabeth Carlson ; 1-4 cr.
17493 003 LAB, In Person Term Based; Stephanie Carlson ; 1-4 cr.
17494 004 LAB, In Person Term Based; Dante Cicchetti ; 1-4 cr.
17495 005 LAB, In Person Term Based; Jed Elison ; 1-4 cr.
17496 006 LAB, In Person Term Based; Michelle Englund ; 1-4 cr.
17497 007 LAB, In Person Term Based; Gail Ferguson ; 1-4 cr.
17498 008 LAB, In Person Term Based; Michael Georgieff ; 1-4 cr.
17499 010 LAB, In Person Term Based; Megan Gunnar ; 1-4 cr.
17500 011 LAB, In Person Term Based; Canan Karatekin ; 1-4 cr.
17501 012 LAB, In Person Term Based; Melissa Koenig ; 1-4 cr.
17502 013 LAB, In Person Term Based; Maria Kroupina ; 1-4 cr.
17503 014 LAB, In Person Term Based; Ann Masten ; 1-4 cr.
17504 015 LAB, In Person Term Based; Michele Mazzocco ; 1-4 cr.
17505 016 LAB, In Person Term Based; Arthur Reynolds ; 1-4 cr.
17506 017 LAB, In Person Term Based; Glenn Roisman ; 1-4 cr.
17507 018 LAB, In Person Term Based; Maria Sera ; 1-4 cr.
17508 019 LAB, In Person Term Based; Rebecca Schlafer ; 1-4 cr.
17509 020 LAB, In Person Term Based; Kathleen Thomas ; 1-4 cr.
17510 021 LAB, In Person Term Based; Philip Zelazo ; 1-4 cr.
17526 022 LAB, In Person Term Based; Syla Wilson ; 1-4 cr.
17530 023 LAB, In Person Term Based; Megan Patrick ; 1-4 cr.
17735 024 LAB, In Person Term Based; Karina Quevedo ; 1-4 cr.
17736 025 LAB, In Person Term Based; Damien Fair ; 1-4 cr.
17737 026 LAB, In Person Term Based; Andrew Barnes ; 1-4 cr.
17738 027 LAB, In Person Term Based; Anne Larson ; 1-4 cr.
17753 028 LAB, In Person Term Based; Alyssa Meuwissen ; 1-4 cr.
17769 029 LAB, In Person Term Based; Charisse Pickron ; 1-4 cr.

5171 Field Experience: Applying Instructional Methods in the Elementary School

(S-N only;)
17311 001 FWK, 16:00-18:00 M, Campbell Hall 140, In Person Term Based; Ann Carlson ; 2 cr.

5241 Field Experience in Early Childhood Education

(A-F only;)
16904 001 LEC, 17:00-18:30 T, Campbell Hall 150, In Person Term Based; Amy Betz ; 3 cr.

5251W Social and Philosophical Foundations of Early Childhood Education

(A-F only; WI)
16391 001 LEC, 14:30-17:00 F, Campbell Hall 150, In Person Term Based; Elizabeth Criswell ; 3 cr.

5253 Facilitating Cognitive and Language Learning in Early Childhood Education

(A-F only; Prereq: CPSY 2301 or equiv or inst consent. For Early Childhood or ECSE students.)
16439 001 LEC, 16:00-18:30 W, Peik Hall 315, In Person Term Based; Sarah Meuleners, Alyssa Wilt ; 3 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.)
16463 001 FWK, 07:30-12:30 MTWThF, Lab TBA, 12:30-14:00 F, Lab TBA, In Person Term Based; Sheila Williams Ridge ; 6-8 cr.
17445 002 FWK, 11:30-17:00 MWTh, Lab TBA, 12:30-14:00 F, Lab TBA, In Person Term Based; Sheila Williams Ridge ; 6-8 cr.

5302 Cognitive and Biological Development

(Student Option;)
17345 001 LEC, Completely Online; Amanda Hodel ; 3 cr.

5304 Research Methods in Applied Child and Adolescent Development

(Student Option;)
17619 001 LEC, Completely Online; Michele Mazzocco ; 3 cr.

5306 Ethics and Professionalism in Applied Child and Adolescent Development

(A-F only;)
17448 001 LEC, Completely Online; Glenace Edwall ; 2 cr.

5501 Foundations in Infant and Early Childhood Mental Health I

(A-F only; Prereq: [Baccalaureate degree in an early-childhood-related field from an accredited U.S. institution or documented equiv], experience in early childhood [research or practice])
17346 001 LEC, Completely Online; Judith Woods ; 3 cr.

5511 Infant Observation Seminar III

(S-N only;)
17449 001 LEC, Completely Online; Michele Fallon, Jessica Niemi ; 1 cr.

5518 Prevention and Intervention in Early Childhood: Principles

(A-F only; Prereq: CPSY 5513)
17450 001 LEC, Completely Online; Julie Hoye ; 3 cr.

5604 Therapeutic Relationships: Supporting Children in Healthcare

(A-F only;)
17451 001 LEC, Completely Online; Marne Matysek ; 3 cr.

5991 Independent Study in Child Development

(Student Option No Audit;)
17750 001 IND, Independent/Directed Study; Ann Carlson ; 1-12 cr.
34861 002 IND, In Person Term Based; Glenn Roisman ; 1-12 cr.

5996 Field Experience in Applied Child and Adolescent Development

(S-N only;)
17452 002 FWK, Completely Online; Sarah Wiebler, Theresa Bunkers ; 1-12 cr.
17745 001 FWK, In Person Term Based; Michele Mazzocco ; 1-12 cr.
17770 003 FWK, In Person Term Based; Theresa Bunkers, Sarah Wiebler ; 1-12 cr.
17776 004 FWK, In Person Term Based; Anne Larson ; 1-12 cr.

China Executive MBA (CHMB)

5807 Business Strategy

(A-F only;)
23382 001 LEC, Study Abroad; 3 cr.

Chinese (CHN)

1011 Beginning Modern Chinese I

(Student Option No Audit;)
18203 001 LEC, 10:10-11:00 MTWTh, Folwell Hall 3, In Person Term Based; Meets With: 001 CHN 4001; Ling Wang ; 5 cr.
18204 003 LEC, 13:25-14:15 MTWTh, Folwell Hall 3, In Person Term Based; Meets With: 003 CHN 4001; Hai Liu ; 5 cr.
18205 050 LEC, 17:30-19:20 TTh, Twin Cities Remote, Completely Online; Meets With: 050 CHN 4001; Ling Wang ; 5 cr.
21009 002 LEC, 11:15-12:05 MTWTh, Folwell Hall 121, In Person Term Based; Meets With: 002 CHN 4001; Yao Tu ; 5 cr.
34718 004 LEC, 11:15-12:05 MTWTh, Folwell Hall 13, In Person Term Based; Meets With: 004 CHN 4001; Ling Wang ; 5 cr.

1015 Accelerated Beginning Modern Chinese

(Student Option No Audit; Prereq: Oral/aural skills or speaker of other Chinese dialect recommended)
19491 001 LEC, 14:30-15:20 MTWTh, Folwell Hall 18, In Person Term Based; Meets With: 001 CHN 4005; Jin Stone ; 5 cr.

3021 Intermediate Modern Chinese I**(Student Option No Audit; Prereq: 1012 or 1015 or equiv or instr consent)**

- 18206 001 LEC, 10:10-11:00 MTWTh, Folwell Hall 103, In Person Term Based; Meets With: 001 CHN 4003; Chi-Ping Li ; 5 cr.
- 18207 002 LEC, 11:15-12:05 MTWTh, Folwell Hall 103, In Person Term Based; Meets With: 002 CHN 4003; Chi-Ping Li ; 5 cr.
- 18772 050 LEC, 16:30-18:20 MW, Twin Cities Remote, Completely Online; Meets With: 050 CHN 4003; Jin Stone ; 5 cr.

3031 Advanced Modern Chinese I**(Student Option No Audit; Prereq: 3022 or equiv or instr consent)**

- 18853 001 LEC, 11:15-12:05 MTWTh, Blegen Hall 135, In Person Term Based; Meets With: 001 CHN 4007; Yufen Chang ; 4 cr.
- 19368 002 LEC, 13:25-14:15 MTWTh, Folwell Hall 10, In Person Term Based; Meets With: 002 CHN 4007; Yufen Chang ; 4 cr.

3201 Chinese Calligraphy**(Student Option;)**

- 18208 050 LAB, 18:00-20:00 T, Appleby Hall 201, In Person Term Based; Hong Zhang ; 2 cr.
- 18773 051 LAB, 18:00-20:00 W, Appleby Hall 201, In Person Term Based; Hong Zhang ; 2 cr.

4001 Beginning Modern Chinese I for**Graduate Student Research****(Student Option No Audit;)**

- 18799 003 LEC, 13:25-14:15 MTWTh, Folwell Hall 3, In Person Term Based; Meets With: 003 CHN 1011; Hai Liu ; 5 cr.
- 18975 050 LEC, 17:30-19:20 TTh, Twin Cities Remote, Completely Online; Meets With: 050 CHN 1011; Ling Wang ; 5 cr.
- 20751 001 LEC, 10:10-11:00 MTWTh, Folwell Hall 3, In Person Term Based; Meets With: 001 CHN 1011; Ling Wang ; 5 cr.
- 21010 002 LEC, 11:15-12:05 MTWTh, Folwell Hall 121, In Person Term Based; Meets With: 002 CHN 1011; Yao Tu ; 5 cr.
- 34719 004 LEC, 11:15-12:05 MTWTh, Folwell Hall 13, In Person Term Based; Meets With: 004 CHN 1011; Ling Wang ; 5 cr.

4003 Intermediate Modern Chinese I for**Graduate Student Research****(Student Option No Audit; Prereq: 4002)**

- 18800 001 LEC, 10:10-11:00 MTWTh, Folwell Hall 103, In Person Term Based; Meets With: 001 CHN 3021; Chi-Ping Li ; 5 cr.
- 18801 002 LEC, 11:15-12:05 MTWTh, Folwell Hall 103, In Person Term Based; Meets With: 002 CHN 3021; Chi-Ping Li ; 5 cr.
- 19011 050 LEC, 16:30-18:20 MW, Twin Cities Remote, Completely Online; Meets With: 050 CHN 3021; Jin Stone ; 5 cr.

4005 Accelerated Beginning Modern**Chinese for Graduate Student Research****(Student Option No Audit; Prereq: Grad student, instr consent; oral/aural skills or other Chinese dialect recommended)**

- 19492 001 LEC, 14:30-15:20 MTWTh, Folwell Hall 18, In Person Term Based; Meets With: 001 CHN 1015; Jin Stone ; 5 cr.

4007 Advanced Modern Chinese I for**Graduate Student Research****(Student Option No Audit; Prereq: 4004)**

- 19012 001 LEC, 11:15-12:05 MTWTh, Blegen Hall 135, In Person Term Based; Meets With: 001 CHN 3031; Yufen Chang ; 4 cr.
- 19714 002 LEC, 13:25-14:15 MTWTh, Folwell Hall 10, In Person Term Based; Meets With: 002 CHN 3031; Yufen Chang ; 4 cr.

4021 Flagship Chinese for Academic**Purposes****(A-F only;)**

- 20997 001 LEC, 16:40-18:35 Th, Folwell Hall 107, In Person Term Based; Yao Tu ; 2 cr.

4041 Advanced Readings in Modern**Chinese I****(Student Option; Prereq: 3032 or instr consent)**

- 20064 001 LEC, 14:30-16:25 TTh, Folwell Hall 107, In Person Term Based; Hai Liu ; 4 cr.

5041 Media Chinese**(A-F or Audit;)**

- 32861 001 LEC, 10:10-11:00 MWF, Folwell Hall 119, In Person Term Based; Zhen Zou ; 3 cr.

5393 Directed Study**(Student Option; Prereq-instr consent, dept consent, college consent.)**

- 18285 001 IND, Independent/Directed Study; 1-5 cr.

Civil, Environ, and Geo-Engin (CEGE)**1101 Introduction to Civil, Environmental, and Geo-Engineering****(S-N only; Prereq: Lower div)**

- 26094 001 LEC, 10:10-11:00 W, Civil Engineering Bldg 210, In Person Term Based; Michelle Anderson ; 1 cr.

1501 Environmental Issues and Solutions**(Student Option; Prereq: High school chemistry or equiv, one yr high school algebraENV,PHYS)**

- 26246 001 LEC, 11:15-12:30 TTh, Amundson Hall B75, In Person Term Based; Miki Hondzo ; 4 cr.
- 26247 002 LAB, 09:00-12:00 M, Civil Engineering Bldg 650, In Person Term Based; Kathy Wabner, Miki Hondzo ; 4 cr.
- 26249 003 LAB, 13:00-16:00 T, Civil Engineering Bldg 650, In Person Term Based; Kathy Wabner, Miki Hondzo ; 4 cr.
- 26335 004 LAB, 13:00-16:00 W, Civil Engineering Bldg 650, In Person Term Based; Miki Hondzo, Kathy Wabner ; 4 cr.

3101 Computer Applications I**(A-F or Audit; Prereq: MATH 1372, PHYS 1301, CSE or instructor consent)**

- 26095 001 LEC, 14:30-15:45 MW, Civil Engineering Bldg 210, In Person Term Based; Randal Barnes ; 3 cr.

3102 Uncertainty and Decision Analysis**(A-F or Audit; Prereq: MATH 1372 or equiv)**

- 26096 001 LEC, 10:10-11:00 MW, Civil Engineering Bldg 212, In Person Term Based; Xue Feng ; 3 cr.
- 26097 002 DIS, 11:15-12:05 W, Civil Engineering Bldg 221, In Person Term Based; Xue Feng ; 3 cr.
- 26098 003 DIS, 13:25-14:15 W, Civil Engineering Bldg 221, In Person Term Based; Xue Feng ; 3 cr.

3103 Engineering Ethics and Professional Practice**(A-F only; Prereq: Civil Eng. or Environmental Eng. or Geoen지니어ing Upper Division)**

- 26314 001 DIS, 16:00-16:50 M, Civil Engineering Bldg 205, In Person Term Based; Randal Barnes ; 1 cr.

3111 CADD for Civil Engineers**(A-F only; Prereq: CEGE 3201)**

- 26100 001 LAB, 08:00-09:55 MW, Civil Engineering Bldg 221, In Person Term Based; Evan Cosgriff ; 2 cr.

3190 Curricular Practical Training Internship**(S-N only; Prereq: CE, EnvE, or Geo major)**

- 26287 001 FWK, In Person Term Based; Paige Novak ; 1 cr.

3201 Transportation Engineering**(A-F or Audit; Prereq: PHYS 1301, (CEGE 3101, CEGE 3102 can be taken concurrently)TS)**

- 26101 001 LEC, 13:25-14:15 TTh, Akerman Hall 209, In Person Term Based; Alireza Khani ; 3 cr.
- 26103 003 DIS, 16:00-16:50 Th, Civil Engineering Bldg 221, In Person Term Based; Alireza Khani ; 3 cr.

3202 Surveying & Mapping**(A-F or Audit; Prereq: MATH 1271, MATH 1272), [CSE or Construction Mgmt])**

- 26104 001 LEC, 16:00-17:15 W, Civil Engineering Bldg 205, In Person Term Based; Chris Mavis ; 2 cr.
- 26105 002 LAB, 09:45-12:30 F, Civil Engineering Bldg 188, In Person Term Based; Chris Mavis ; 2 cr.
- 26106 003 LAB, 12:45-15:30 F, Civil Engineering Bldg 188, In Person Term Based; Chris Mavis ; 2 cr.

3301 Soil Mechanics I**(A-F or Audit; Prereq: upper division CSE, AEM 3031, CEGE 3101, or instructor consent)**

- 26107 001 LEC, 14:30-15:45 TTh, 10 Church Street SE 100, In Person Term Based; Emmanuel Detournay ; 3 cr.
- 26108 003 LAB, 16:00-18:00 M, Civil Engineering Bldg 350, In Person Term Based; Emmanuel Detournay ; 3 cr.
- 26109 004 LAB, 16:00-18:00 T, Civil Engineering Bldg 350, In Person Term Based; Emmanuel Detournay ; 3 cr.
- 26110 005 LAB, 16:00-18:00 W, Civil Engineering Bldg 350, In Person Term Based; Emmanuel Detournay ; 3 cr.

- 26244 006 LAB, 16:00-18:00 Th, Civil Engineering Bldg 350, In Person Term Based; Emmanuel Detournay ; 3 cr.

3401 Linear Structural Analysis**(A-F or Audit; Prereq: AEM 3031, upper division CSE or instructor consent)**

- 26111 001 LEC, 13:00-14:15 MW, Civil Engineering Bldg 210, In Person Term Based; Henryk Stolarski ; 3 cr.

3402 Civil Engineering Materials**(A-F or Audit; Prereq: AEM 3031)**

- 26112 001 LEC, 13:00-14:15 TTh, Civil Engineering Bldg 210, In Person Term Based; Joseph Labuz ; 3 cr.
- 26113 002 LAB, 14:30-16:10 T, Civil Engineering Bldg 188, In Person Term Based; Joseph Labuz ; 3 cr.
- 26114 003 LAB, 11:10-12:50 W, Civil Engineering Bldg 188, In Person Term Based; Joseph Labuz ; 3 cr.
- 26115 004 LAB, 09:00-10:40 Th, Civil Engineering Bldg 188, In Person Term Based; Joseph Labuz ; 3 cr.

3501 Introduction to Environmental Engineering**(A-F or Audit; Prereq: Chem 1062, Phys 1302, Math 1372 or equivalentENV)**

- 26116 001 LEC, 09:45-11:00 TTh, Civil Engineering Bldg 212, In Person Term Based; Timothy LaPara ; 3 cr.

3502 Fluid Mechanics**(A-F or Audit; Prereq: [AEM 2012 or AEM 3031], Math 2373, CEGE 3101)**

- 26117 001 LEC, 11:15-12:30 TTh, Civil Engineering Bldg 210, In Person Term Based; Meets With: 001 CEGE 4522; Michele Guala ; 4 cr.
- 26118 002 LAB, 09:00-11:00 M, Civil Engineering Bldg 277, In Person Term Based; Michele Guala ; 4 cr.
- 26120 005 LAB, 14:30-16:30 W, Civil Engineering Bldg 277, In Person Term Based; Michele Guala ; 4 cr.
- 26336 004 LAB, 12:45-14:45 T, Civil Engineering Bldg 277, In Person Term Based; Michele Guala ; 4 cr.

3541 Environmental Engineering Laboratory**(A-F only; Prereq: CEGE 3501)**

- 26121 001 LEC, 09:05-09:55 MW, Civil Engineering Bldg 210, In Person Term Based; Erin Surdo ; 3 cr.
- 26172 003 LAB, 09:00-12:00 F, Civil Engineering Bldg 650, In Person Term Based; Erin Surdo ; 3 cr.
- 32890 002 LAB, 13:00-16:00 Th, Civil Engineering Bldg 650, In Person Term Based; Erin Surdo ; 3 cr.

4000H Honors Research Seminar**(A-F only; Prereq: Upper div CE, EnvE, GeoE, Enrolled in the University Honors Program or instructor consent)**

- 26123 001 LEC, In Person Term Based; Randal Barnes ; 1 cr.

4101W Project Management and Engineering Economics**(A-F only; Prerequisites: Civil Eng. or Environmental Eng. or Geoen지니어ing upper divisionWI)**

- 26312 001 LEC, 11:15-12:30 MW, Civil Engineering Bldg 210, In Person Term Based; Troy Androli, Merry Rendahl ; 3 cr.

4102W Capstone Design for Civil Engineering**(A-F only; Prereq: 4101W, 4301, 4401, 4501, 4502WI)**

- 26124 001 LEC, 16:00-18:00 TTh, Civil Engineering Bldg 210, In Person Term Based; Meets With: 001 CEGE 4103W001 CEGE 4104W; Merry Rendahl, Vaughan Voller ; 4 cr.

4103W Capstone Design for Environmental Engineering**(A-F only; Prereqs: CEGE 4101W, 4501, 4502WI)**

- 26849 001 LEC, 16:00-18:00 TTh, Civil Engineering Bldg 210, In Person Term Based; Meets With: 001 CEGE 4104W001 CEGE 4102W; Merry Rendahl, Vaughan Voller ; 4 cr.

4104W Capstone Design for Geoen지니어ing**(A-F only; Prereq: CEGE 4101W, CEGE 4121, CEGE 4311, CEGE 4351, ESCI 4501WI)**

- 26125 001 LEC, 16:00-18:00 TTh, Civil Engineering Bldg 210, In Person Term Based; Meets With: 001 CEGE 4102W001 CEGE 4103W; Merry Rendahl, Vaughan Voller ; 4 cr.

4160 Special Topics**(A-F only; Prereq: Upper div CSE)**

- 34902 001 LEC, 16:00-18:00 MW, Civil Engineering Bldg 213, In Person Term Based; Meets With: 002 CEGE 5180; Euripides Papamichos ; 1-4 cr.

4170 Independent Study I

(Student Option; Prereq: instr consent)

26126 001 IND, In Person Term Based; 1-4 cr.

4194 Directed Research

(Student Option; Prereq: Instructor Consent)

26947 001 IND, In Person Term Based; Joseph Labuz, Erin Surdo ; 1-4 cr.

4211 Traffic Engineering

(A-F or Audit; Prereq: CEGE 3201, CEGE 3102 or equivalent, upper division CSE or instructor consent)

26718 001 LEC, 11:15-12:30 TTh, Civil Engineering Bldg 212, In Person Term Based; Meets With: 001 CEGE 5211; Raphael Stern ; 3 cr.

4214 Infrastructure Systems Engineering

(A-F only; Prereqs: Math 2263 or equivalent, Math 2373 or equivalent, CEGE 3101 or equivalent, CEGE 3102 or equivalent)

32570 001 LEC, 09:45-11:00 TTh, Civil Engineering Bldg 202, In Person Term Based; Meets With: 001 CEGE 5214; Alireza Khani ; 3 cr.

4301 Soil Mechanics II

(A-F or Audit; Prereq: CEGE 3301, upper div CSE, or instr consent)

26128 001 LEC, 14:30-15:45 TTh, Civil Engineering Bldg 210, In Person Term Based; Stefano Gonella ; 3 cr.
26129 002 LAB, 16:00-18:00 M, Civil Engineering Bldg 350, In Person Term Based; Stefano Gonella ; 3 cr.
26130 003 LAB, 16:00-18:00 T, Civil Engineering Bldg 350, In Person Term Based; Stefano Gonella ; 3 cr.
26132 004 LAB, 16:00-18:00 W, Civil Engineering Bldg 350, In Person Term Based; Stefano Gonella ; 3 cr.
32888 005 LAB, 16:00-18:00 Th, Civil Engineering Bldg 350, In Person Term Based; Stefano Gonella ; 3 cr.**4311 Rock Mechanics**

(A-F or Audit; Prereq: CEGE 3301 or instr consent)

26133 001 LEC, 08:15-09:30 TTh, Civil Engineering Bldg 210, In Person Term Based; Emmanuel Detournay ; 4 cr.

4351 Groundwater Mechanics

(A-F or Audit; Prereq: CEGE 3101 or BBE 2003, CEGE 3502 or BBE 3012, upper division)

26134 001 LEC, 09:45-11:00 TTh, Civil Engineering Bldg 205, In Person Term Based; Otto Strack ; 3 cr.

4401 Steel and Reinforced Concrete Design

(A-F or Audit; Prereq: Grade of at least C- in 3401, concurrent registration is required (or allowed) in 3402, [upper div CSE or grad student])

26135 001 LEC, 09:05-11:00 MW, Civil Engineering Bldg 205, In Person Term Based; Catherine French ; 4 cr.
26136 002 DIS, 11:15-12:05 M, Civil Engineering Bldg 202, In Person Term Based; Catherine French ; 4 cr.
26138 004 DIS, 13:25-14:15 M, Civil Engineering Bldg 202, In Person Term Based; Catherine French ; 4 cr.**4413 Steel Design II**

(A-F or Audit; Prereq: CEGE 4401, upper div CSE or instr consent; 4411 recommended)

26253 001 LEC, 09:45-11:00 MW, Amundson Hall 116, In Person Term Based; Jialiang Le ; 3 cr.

4417 Structural Engineering Design of**Wood Buildings**

(A-F or Audit; Prereqs: CEGE 4401 or equivalent)

33830 001 LEC, 08:15-09:30 TTh, Civil Engineering Bldg 205, In Person Term Based; Meets With: 001 CEGE 5417; Pouyan Asem ; 3 cr.

4502 Water and Wastewater Treatment

(A-F or Audit; Prereq: CEGE 3501 or ChEn 2001 or BBE 3033)

26142 001 LEC, 09:45-11:00 TTh, Civil Engineering Bldg 210, In Person Term Based; Boya Xiong ; 3 cr.

4522 Review of Introductory Fluid Mechanics for Graduate Students

(A-F or Audit;)

26143 001 LEC, 11:15-12:30 TTh, Civil Engineering Bldg 210, In Person Term Based; Meets With: 001 CEGE 3502; Michele Guala ; 3 cr.

4563 Pollutant Fate and Transport: Processes and Modeling

(A-F only; Prerequisites: CEGE 3101, CEGE 3501, or instructor consent)

26625 001 LEC, 13:00-14:15 MW, Civil Engineering Bldg 205, In Person Term Based; Erin Surdo, Vaughan Voller ; 3 cr.

5094 Directed Research

(A-F only; Prereq: instr consent)

26945 001 IND, In Person Term Based; 1-4 cr.

5180 Special Topics

(A-F or Audit; Prereq: upper division undergraduate, graduate student, or instructor consent)

32660 001 LEC, 11:15-12:30 TTh, Civil Engineering Bldg 202, In Person Term Based; Paul Capel ; 1-4 cr.
34844 002 LEC, 16:00-18:00 MW, Civil Engineering Bldg 213, In Person Term Based; Meets With: 001 CEGE 4160; Euripides Papamichos ; 1-4 cr.**5211 Traffic Engineering**

(A-F or Audit; Prereq: CEGE 3201, CEGE 3102 or equivalent, Grad Student)

26719 001 LEC, 11:15-12:30 TTh, Civil Engineering Bldg 212, In Person Term Based; Meets With: 001 CEGE 4211; Raphael Stern ; 3 cr.

5212 Transportation Policy, Planning, and Deployment

(A-F or Audit; Prereq: 3201 or equiv, upper division CSE, or grad student)

26941 001 LEC, 18:00-20:45 M, Hubert H. Humphrey School 20, In Person Term Based; Meets With: 001 PA 5232; Frank Douma ; 3 cr.

5213 Transit Planning and Management

(A-F only; Prereq: Upper Division CE, EnvE, or GeoE student, CE or GeoE grad student, or instructor consent)

32887 001 LEC, 08:15-09:30 TTh, Hubert H. Humphrey School 25, In Person Term Based; Meets With: 001 PA 5231; Jason Cao ; 3 cr.

5214 Infrastructure Systems Engineering

(A-F or Audit; Prereq: Math 2373 or equivalent, Math 2263 or equivalent, CEGE 3101 or equivalent, CEGE 3102 or equivalent, CEGE graduate student or instructors consent)

26720 001 LEC, 09:45-11:00 TTh, Civil Engineering Bldg 202, In Person Term Based; Meets With: 001 CEGE 4214; Alireza Khani ; 3 cr.

5351 Advanced Engineering Mathematics I

(A-F or Audit; Prereq: [Math 2374 or equiv], upper division CSE student or grad student] or instr consent)

32565 001 LEC, 11:15-12:30 TTh, Civil Engineering Bldg 205, In Person Term Based; Otto Strack ; 3 cr.

5411 Applied Structural Mechanics

(A-F or Audit; Prereq: AEM 3031, Upper div CSE or grad student or instr consent)

26254 001 LEC, 13:00-14:15 TTh, Civil Engineering Bldg 205, In Person Term Based; Qizhi He ; 3 cr.

5417 Structural Engineering Design of Wood Buildings

(A-F or Audit; Prereqs: CEGE 4401 or equivalent)

33831 001 LEC, 08:15-09:30 TTh, Civil Engineering Bldg 205, In Person Term Based; Meets With: 001 CEGE 4417; Pouyan Asem ; 3 cr.

5541 Environmental Water Chemistry

(A-F or Audit; Prereq: CEGE 3501, Chem 1061, Chem 1062 or Chem 1071H/1072H, upper division CSE or grad student or instructor consent)

26251 001 LEC, 14:30-15:45 TTh, Civil Engineering Bldg 212, In Person Term Based; Bill Arnold ; 3 cr.

5543 Introductory Environmental Fluid**Mechanics**

(A-F or Audit; Prereq: CEGE 3502 or AEM 4201 or ChEn 3005, upper division CSE or grad students or instructor consent)

32569 001 LEC, 14:00-15:50 TTh, Civil Engineering Bldg 213, In Person Term Based; Miki Hondzo ; 4 cr.

5551 Environmental Microbiology

(A-F or Audit; Prereq: Upper div or grad student or instructor consent)

26252 001 LEC, 11:15-12:30 MW, Amundson Hall 120, In Person Term Based; Sebastian Behrens ; 3 cr.

Classical/Near Eastern Rel/Cul (CNRC)**1002 World of Greece**

(Student Option; HIS)

33052 001 LEC, 12:20-13:10 MWF, Nicholson Hall 275, In Person Term Based; Charles McNamara ; 3 cr.

1042 Greek and Roman Mythology

(Student Option; AH)

33043 001 LEC, 11:15-12:05 MF, Blegen Hall 5, In Person Term Based; Spencer Cole ; 4 cr.
33046 002 DIS, 08:15-09:30 T, Nicholson Hall 145, In Person Term Based; Julio Moreira ; 4 cr.
33047 003 DIS, 08:15-09:30 Th, Wulling Hall 240, In Person Term Based; Kevin Sharpe ; 4 cr.
33048 004 DIS, 09:45-11:00 T, Blegen Hall 260, In Person Term Based; Jeffrey Cross ; 4 cr.
33049 005 DIS, 09:45-11:00 Th, Wulling Hall 240, In Person Term Based; Kevin Sharpe ; 4 cr.
33053 006 DIS, 11:15-12:30 T, Blegen Hall 335, In Person Term Based; Jeffrey Cross ; 4 cr.
33054 007 DIS, 11:15-12:30 Th, Amundson Hall 240, In Person Term Based; Julio Moreira ; 4 cr.**1042H Honors Course: Greek and Roman Mythology**

(A-F only; AH)

33044 001 LEC, 11:15-12:05 MF, Blegen Hall 5, In Person Term Based; Spencer Cole ; 4 cr.
33045 002 DIS, 11:15-12:30 W, Nicholson Hall 345, In Person Term Based; Spencer Cole ; 4 cr.**1082 Jesus in History, Art & Culture**

(Student Option; HIS)

33878 001 DIS, 10:10-11:00 MWF, Scott Hall 4, In Person Term Based; Meets With: 001 HIST 1082001 RELS 3092001 HIST 3092001 CNRC 3092001 RELS 1082; Stephen Ahearn-Kroll ; 3 cr.

1201 The Bible: Context and Interpretation, World of the Hebrew Bible.

(Student Option; Prereq: Knowledge of Hebrew not requiredLITR)

33055 001 LEC, 11:15-12:30 TTh, Nicholson Hall 155, In Person Term Based; Hanne Levinson ; 3 cr.

3016W Biblical Law and Jewish Ethics

(Student Option; Prerequisites: the course is open to all qualified students. The course begins with ideas of law in ancient Babylon and then studies the ongoing history of those ideas. The biblical idea that a covenant binds Israel to God, along with its implications for human worth - including the view of woman as person - will be examined. Comparative cultural issues include the reinterpretations of covenant within Christianity and Islam. The course investigates the rabbinic concept of oral law, the use of law to maintain the civil and religious stability of the Jewish people, and the kabbalistic transformation of law. The course concludes with contemporary Jewish thinkers who return to the Bible while seeking to establish a modern system of universal ethics. The premise of the course is the discipline of academic religious studies. The assumptions of the course are therefore academic and secular, as required by the First Amendment. All texts and all religious traditions will be examined analytically and critically. Students are expected to understand and master this approach, which includes questioning conventional cultural assumptions about the composition and authorship of the Bible. Willingness to ask such questions and openness to new ways of thinking are essential to success in the course.WI)

33056 001 LEC, 14:30-15:45 TTh, Nicholson Hall 325, In Person Term Based; Meets With: 001 LAW 6916001 JWST 5013W001 JWST 3013W001 RELS 3013W001 RELS 5013W001 CNRC 5016W; Bernard Levinson ; 3 cr.

3071 Greek and Hellenistic Religions

(Student Option; HIS)

33876 001 LEC, 09:45-11:00 TTh, Ford Hall B53, In Person Term Based; Meets With: 001 CNRC 5071001 RELS 3071001 RELS 5071; Ranjani Atur ; 3 cr.

3082W Greek Tragedy in Translation

(Student Option; LITR,WI)

33057 001 DIS, 09:45-11:00 TTh, Blegen Hall 317, In Person Term Based; Spencer Cole ; 3 cr.

3092 Jesus in History, Art & Culture

(Student Option; HIS)

33879 001 DIS, 10:10-11:00 MWF, Scott Hall 4, In Person Term Based; Meets With: 001 HIST 3092001 RELS 3092001 HIST 1082001 RELS 1082001 CNRC 1082; Stephen Ahearn-Kroll ; 3 cr.

3201 The Bible: Context and Interpretation, World of the Hebrew Bible

(Student Option; Prereq: Knowledge of Hebrew not requiredLITR)

33847 001 LEC, 11:15-12:30 TTh, Nicholson Hall 155, In Person Term Based; Hanne Levinson ; 3 cr.

3993 Directed Studies

(Student Option; Prereq: instr consent)

34919 001 IND, In Person Term Based; Charles McNamara ; 1-4 cr.

5016W Biblical Law and Jewish Ethics

(Student Option; Prerequisites: the course is open to all qualified students. The course begins with ideas of law in ancient Babylon and then studies the ongoing history of those ideas. The biblical idea that a covenant binds Israel to God, along with its implications for human worth - including the view of woman as person - will be examined. Comparative cultural issues include the reinterpretations of covenant within Christianity and Islam. The course investigates the rabbinic concept of oral law, the use of law to maintain the civil and religious stability of the Jewish people, and the kabbalistic transformation of law. The course concludes with contemporary Jewish thinkers who return to the Bible while seeking to establish a modern system of universal ethics. The premise of the course is the discipline of academic religious studies. The assumptions of the course are therefore academic and secular, as required by the First Amendment. All texts and all religious traditions will be examined analytically and critically. Students are expected to understand and master this approach, which includes questioning conventional cultural assumptions about the composition and authorship of the Bible. Willingness to ask such questions and openness to new ways of thinking are essential to success in the course.)

34084 001 LEC, 14:30-15:45 TTh, Nicholson Hall 325, In Person Term Based; Meets With: 001 RELS 3013W001 JWST 5013W001 RELS 5013W001 LAW 6916001 CNRC 3016W001 JWST 3013W; Bernard Levinson ; 3 cr.

5071 Greek and Hellenistic Religions

(Student Option;)

33877 001 DIS, 09:45-11:00 TTh, Ford Hall B53, In Person Term Based; Meets With: 001 RELS 3071001 RELS 5071001 CNRC 3071; Ranjani Atur ; 3 cr.

5993 Directed Studies

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

34908 001 IND, In Person Term Based; Patricia Ahearne-Kroll ; 1-4 cr.

Clinical Physiol, Movement Sci (CPMS)**5101 Introduction to Clinical Physiology and Movement Science**

(A-F or Audit;)

16879 001 LEC, 13:25-15:55 M, Mechanical Engineering 221, In Person Term Based; Juergen Konczak ; 3 cr.

5201 Colloquium in Clinical Physiology and Movement Science

(S-N or Audit; Prereq: Undergrad level in basic anatomy and physiology is highly recommended)

16907 001 LEC, In Person Term Based; John Anderson ; 1 cr.

Cognitive Science (CGSC)**5051 Overview of Cognitive Psychology**

(A-F only;)

34249 001 LEC, 09:45-11:00 TTh, , In Person Term Based; Meets With: 001 PSY 3051; Vanessa Lee ; 3 cr.

Col of Food, Agr & Nat Res Sci (CFAN)**1101 Dean's Engaged Leaders Seminar**

(A-F only; Prereq: Incoming 1st-yr CFANS students onlyDSJ)

22759 001 LEC, 13:30-14:45 Th, Alderman Hall 405, 15:00-16:15 W, Alderman Hall 405, In Person Term Based; Tommy Van Norman, Tex Ostvig ; 3 cr.

1102 President's Emerging Scholars Seminar

(Student Option No Audit; Prereq: CFANS newly admitted PES students)

22835 001 LEC, 09:35-10:25 W, McNeal Hall 144, In Person Term Based; Morgan Bartlett ; 1 cr.

34358 002 LEC, 09:35-10:25 Th, McNeal Hall 144, In Person Term Based; Morgan Bartlett ; 1 cr.

2096 Reflecting on Your Professional Experience

(A-F only; Prerequisite to the course. The prerequisite 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 will be introduced to help students construct meaning from their experiences to inform future goals and strategies. prereq: Secured internship, completion of summer module, instr consent)

22839 001 LEC, 16:30-18:30 T, Twin Cities Remote, Completely Online; 1 cr.

22840 002 LEC, 16:30-18:30 W, Twin Cities Remote, Completely Online; 1 cr.

2333 Insects, Microbes, and Plants: Ecology of Pest Management

(A-F only; TS)

22511 001 LEC, 11:45-12:35 MW, Ruttan Hall B35, In Person Term Based; Brett Arenz, Amelia Lindsey ; 3 cr.
22512 002 DIS, 11:45-13:15 F, Biological Sciences Ctr 64, In Person Term Based; Brett Arenz, Amelia Lindsey ; 3 cr.**3002 Transfer Student Seminar**

(A-F only;)

22633 001 LEC, 15:00-15:50 T, Twin Cities Remote, Completely Online; Jeff Polski, Anna Capeder ; 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)

22616 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, Completely Online; Mari Ruddy ; 1 cr.

22617 002 LEC, 16:00-18:30 M, Twin Cities Remote, 16:00-18:30 M, Twin Cities Remote, 16:00-18:30 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)

22651 002 LEC, 16:05-16:55 W, Twin Cities Remote, Completely Online; Jeannie Stumme ; 1 cr.

3334 Parasites and Pestilence

(A-F or Audit; GP)

31585 001 LEC, 10:10-11:00 MWF, Keller Hall 3-230, In Person Term Based; Matthew Aliota ; 3 cr.

3422 Introduction to Sustainable Akumal

(A-F only; Prerequisite for CFAN 3522 Sustainable Akumal. We introduce Akumal and the history of coastal development in the Mexican Caribe along with coastal ecology and important biota from the area. We consider the cultural context, from ancient Maya to the recent development of a tourism economy and its effects on local communities. We cover required gear and have a pool snorkel session. prereq: Instructor approval, LAC admission to Sustainable Akumal study abroad course.)

34810 001 LEC, 15:00-17:00 F, Ruttan Hall B26, In Person Term Based; Ray Newman ; 1 cr.

5520 Germany: Leading the Renewables Revolution

(A-F only; Prereq: instructor consent)

22744 001 LEC, In Person Term Based; 1-3 cr.

Coll of Science, Engineering (CSE)**1001 First Year Experience**

(A-F only; Prereq: CSE, fr)

25608 001 LEC, 08:00-08:50 M, Bruininks Hall 530B, In Person Term Based; Caitlin Perszyk ; 1 cr.

25609 002 LEC, 08:00-08:50 M, Bruininks Hall 530A, In Person Term Based; Kristen Murphy ; 1 cr.

25610 003 LEC, 09:05-09:55 M, Bruininks Hall 530A, In Person Term Based; Marnie Andrews ; 1 cr.

25611 004 LEC, 14:30-15:20 M, Bruininks Hall 530A, In Person Term Based; Alyssa Bergland ; 1 cr.

25612 005 LEC, 15:35-16:25 M, Bruininks Hall 530A, In Person Term Based; Mallory Schweim ; 1 cr.

25613 006 LEC, 15:35-16:25 M, Bruininks Hall 530B, In Person Term Based; Ben Koch ; 1 cr.

25614 007 LEC, 08:00-08:50 T, Bruininks Hall 530B, In Person Term Based; Kelly Deutchman ; 1 cr.

25615 008 LEC, 08:00-08:50 T, Bruininks Hall 512A, In Person Term Based; Erin Piper ; 1 cr.

25616 009 LEC, 08:00-08:50 T, Bruininks Hall 530A, In Person Term Based; Claire Schmidt ; 1 cr.

25617 010 LEC, 09:05-09:55 T, Bruininks Hall 512A, In Person Term Based; Samantha Tiemens-Anderson ; 1 cr.

25618 011 LEC, 11:15-12:05 T, Bruininks Hall 131A, In Person Term Based; Christine Jensen ; 1 cr.

25622 012 LEC, 14:30-15:20 T, Bruininks Hall 530A, In Person Term Based; Sam Franco ; 1 cr.

25623 013 LEC, 15:35-16:25 T, Bruininks Hall 530A, In Person Term Based; Joe St. Jacques ; 1 cr.

25624 014 LEC, 15:35-16:25 T, Bruininks Hall 512A, In Person Term Based; Stacie Vennewitz ; 1 cr.

25625 015 LEC, 16:40-17:30 T, Bruininks Hall 530A, In Person Term Based; Emily Pelke ; 1 cr.

25626 016 LEC, 08:00-08:50 W, Bruininks Hall 530A, In Person Term Based; Laura Wiesner ; 1 cr.

25627 018 LEC, 09:05-09:55 W, Bruininks Hall 530A, In Person Term Based; Kacey Gregerson ; 1 cr.

25628 022 LEC, 15:35-16:25 W, Bruininks Hall 530A, In Person Term Based; Ben Guengerich ; 1 cr.

25629 023 LEC, 15:35-16:25 W, Bruininks Hall 530B, In Person Term Based; Erik Joerres ; 1 cr.

25759 024 LEC, 16:40-17:30 W, Bruininks Hall 530A, In Person Term Based; Alexander Hermanny ; 1 cr.

25765 025 LEC, 14:30-15:20 Th, Bruininks Hall 530A, In Person Term Based; Kelsi Klaers ; 1 cr.

25829 026 LEC, 08:00-08:50 F, Bruininks Hall 530B, In Person Term Based; Kyle Kunzmann ; 1 cr.

25830 027 LEC, 08:00-08:50 F, Bruininks Hall 131A, In Person Term Based; Katherine Sharpe ; 1 cr.

25831 028 LEC, 09:05-09:55 F, Bruininks Hall 530A, In Person Term Based; Dave Finlayson ; 1 cr.

25832 029 LEC, 09:05-09:55 F, Bruininks Hall 530B, In Person Term Based; Jacob Schleusner ; 1 cr.

25918 020 LEC, 14:30-15:20 W, Bruininks Hall 530A, In Person Term Based; Kyle Dukart ; 1 cr.

25974 030 LEC, 10:10-11:00 F, Bruininks Hall 420B, In Person Term Based; Kimberly Scott ; 1 cr.

26091 031 LEC, 11:15-12:05 F, Bruininks Hall 530A, In Person Term Based; Kelsey Schlichting-Johnson ; 1 cr.

26286 032 LEC, 12:20-13:10 F, Bruininks Hall 530A, In Person Term Based; Carolyn Catir ; 1 cr.

26487 021 LEC, 14:30-15:20 W, Molecular Cellular Biol 2-120, In Person Term Based; Laura Knudson ; 1 cr.

26488 017 LEC, 08:00-08:50 W, Arundson Hall 240, In Person Term Based; Kyle Quagliana ; 1 cr.

26489 019 LEC, 09:05-09:55 W, Ford Hall 150, In Person Term Based; Miranda Miller ; 1 cr.

26619 033 LEC, 12:20-13:10 F, Bruininks Hall 512A, In Person Term Based; Michael Salazar ; 1 cr.

26713 034 LEC, 13:25-14:15 F, Bruininks Hall 530A, In Person Term Based; Brandon Vue ; 1 cr.

26714 035 LEC, 13:25-14:15 F, Bruininks Hall 420B, In Person Term Based; Kate Peterson ; 1 cr.

26963 036 LEC, 10:10-11:00 F, Bruininks Hall 131A, In Person Term Based; Pei Min Tan ; 1 cr.

26964 037 LEC, 09:05-09:55 Th, Bruininks Hall 512A, In Person Term Based; Adam Page ; 1 cr.

26965 038 LEC, 15:35-16:25 Th, Bruininks Hall 530A, In Person Term Based; Sarah Hilger ; 1 cr.

26966 039 LEC, 08:00-08:50 T, Twin Cities Remote, Completely Online; 1 cr.

4996 Cooperative Industrial Assignment II

(A-F only; 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 second 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 (ie. 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.)

27070 001 LEC, 18:00-18:50 M, Twin Cities Remote, Completely Online; Kia Bazargan ; 2 cr.

31527 002 DIS, Completely Online; ; 2 cr.

22125 095 LEC, 17:00-17:50 Th, Folwell Hall 112, 17:00-17:50 Th, Folwell Hall 112, 17:00-17:50 Th, Folwell Hall 112, Primarily Online; Amy Palmer ; 1 cr.

22126 096 LEC, 17:00-17:50 Th, Folwell Hall 108, 17:00-17:50 Th, Folwell Hall 108, 17:00-17:50 Th, Folwell Hall 108, Primarily Online; Amy Palmer ; 1 cr.

22127 097 LEC, 17:00-17:50 Th, Pillsbury Hall 211, 17:00-17:50 Th, Pillsbury Hall 211, 17:00-17:50 Th, Pillsbury Hall 211, Primarily Online; Amy Palmer ; 1 cr.

22128 098 LEC, 17:00-17:50 Th, Pillsbury Hall 311, 17:00-17:50 Th, Pillsbury Hall 311, 17:00-17:50 Th, Pillsbury Hall 311, Primarily Online; Amy Palmer ; 1 cr.

22129 099 LEC, 17:00-17:50 Th, Amundson Hall 124, 17:00-17:50 Th, Amundson Hall 124, 17:00-17:50 Th, Amundson Hall 124, Primarily Online; Amy Palmer ; 1 cr.

22130 100 LEC, 17:00-17:50 Th, Amundson Hall 104, 17:00-17:50 Th, Amundson Hall 104, 17:00-17:50 Th, Amundson Hall 104, Primarily Online; Amy Palmer ; 1 cr.

22131 101 LEC, 17:00-17:50 Th, Ford Hall 127, 17:00-17:50 Th, Ford Hall 127, 17:00-17:50 Th, Ford Hall 127, 17:00-17:50 Th, Ford Hall 127, Primarily Online; Amy Palmer ; 1 cr.

22132 102 LEC, 17:00-17:50 Th, Amundson Hall 156, 17:00-17:50 Th, Amundson Hall 156, 17:00-17:50 Th, Amundson Hall 156, Primarily Online; Amy Palmer ; 1 cr.

22133 103 LEC, 17:00-17:50 Th, Amundson Hall 116, 17:00-17:50 Th, Amundson Hall 116, 17:00-17:50 Th, Amundson Hall 116, Primarily Online; Amy Palmer ; 1 cr.

22134 104 LEC, 17:00-17:50 Th, Ford Hall B80, 17:00-17:50 Th, Ford Hall B80, 17:00-17:50 Th, Ford Hall B80, Primarily Online; Amy Palmer ; 1 cr.

22135 105 LEC, 17:00-17:50 Th, Akerman Hall 211, 17:00-17:50 Th, Akerman Hall 211, 17:00-17:50 Th, Akerman Hall 211, Primarily Online; Amy Palmer ; 1 cr.

22136 106 LEC, 17:00-17:50 Th, Akerman Hall 215, 17:00-17:50 Th, Akerman Hall 215, 17:00-17:50 Th, Akerman Hall 215, Primarily Online; Amy Palmer ; 1 cr.

22137 107 LEC, 17:00-17:50 Th, Akerman Hall 313, 17:00-17:50 Th, Akerman Hall 313, 17:00-17:50 Th, Akerman Hall 313, Primarily Online; Amy Palmer ; 1 cr.

22138 108 LEC, 17:00-17:50 Th, Akerman Hall 227, 17:00-17:50 Th, Akerman Hall 227, 17:00-17:50 Th, Akerman Hall 227, Primarily Online; Amy Palmer ; 1 cr.

22139 109 LEC, 17:00-17:50 Th, Akerman Hall 327, 17:00-17:50 Th, Akerman Hall 327, 17:00-17:50 Th, Akerman Hall 327, Primarily Online; Amy Palmer ; 1 cr.

22140 110 LEC, 17:00-17:50 Th, Tate Hall 120, 17:00-17:50 Th, Tate Hall 120, 17:00-17:50 Th, Tate Hall 120, Primarily Online; Amy Palmer ; 1 cr.

22141 111 LEC, 17:00-17:50 Th, Appleby Hall 204, 17:00-17:50 Th, Appleby Hall 204, 17:00-17:50 Th, Appleby Hall 204, Primarily Online; Amy Palmer ; 1 cr.

22142 112 LEC, 17:00-17:50 Th, Peik Hall 215, 17:00-17:50 Th, Peik Hall 215, 17:00-17:50 Th, Peik Hall 215, Primarily Online; Amy Palmer ; 1 cr.

22143 113 LEC, 17:00-17:50 Th, Peik Hall 225, 17:00-17:50 Th, Peik Hall 225, 17:00-17:50 Th, Peik Hall 225, Primarily Online; Amy Palmer ; 1 cr.

22144 114 LEC, 17:00-17:50 Th, Peik Hall 155, 17:00-17:50 Th, Peik Hall 155, 17:00-17:50 Th, Peik Hall 155, Primarily Online; Amy Palmer ; 1 cr.

22145 115 LEC, 17:00-17:50 Th, Cooke Hall 206, 17:00-17:50 Th, Cooke Hall 206, 17:00-17:50 Th, Cooke Hall 206, Primarily Online; Amy Palmer ; 1 cr.

22146 116 LEC, 17:00-17:50 Th, Cooke Hall 214, 17:00-17:50 Th, Cooke Hall 214, Primarily Online; Amy Palmer ; 1 cr.

22147 117 LEC, 17:00-17:50 Th, Cooke Hall 215, 17:00-17:50 Th, Cooke Hall 215, 17:00-17:50 Th, Cooke Hall 215, Primarily Online; Amy Palmer ; 1 cr.

22148 118 LEC, 17:00-17:50 Th, Vincent Hall 206, 17:00-17:50 Th, Vincent Hall 206, 17:00-17:50 Th, Vincent Hall 206, Primarily Online; Amy Palmer ; 1 cr.

22149 119 LEC, 17:00-17:50 Th, Kolthoff Hall 135, 17:00-17:50 Th, Kolthoff Hall 135, 17:00-17:50 Th, Kolthoff Hall 135, Primarily Online; Amy Palmer ; 1 cr.

22150 120 LEC, 17:00-17:50 Th, Kolthoff Hall 137, 17:00-17:50 Th, Kolthoff Hall 137, 17:00-17:50 Th, Kolthoff Hall 137, Primarily Online; Amy Palmer ; 1 cr.

22151 121 LEC, 17:00-17:50 Th, Bruininks Hall 512B, 17:00-17:50 Th, Bruininks Hall 512B, 17:00-17:50 Th, Bruininks Hall 512B, Primarily Online; Amy Palmer ; 1 cr.

22152 122 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, Primarily Online; Amy Palmer ; 1 cr.

22153 123 LEC, 11:00-11:50 Sa, Folwell Hall 28, 11:00-11:50 Sa, Folwell Hall 28, 11:00-11:50 Sa, Folwell Hall 28, Primarily Online; Amy Palmer ; 1 cr.

22154 124 LEC, 11:00-11:50 Sa, Folwell Hall 123, 11:00-11:50 Sa, Folwell Hall 123, 11:00-11:50 Sa, Folwell Hall 123, Primarily Online; Amy Palmer ; 1 cr.

22155 125 LEC, 11:00-11:50 Sa, Folwell Hall 122, 11:00-11:50 Sa, Folwell Hall 122, 11:00-11:50 Sa, Folwell Hall 122, Primarily Online; Amy Palmer ; 1 cr.

22156 126 LEC, 11:00-11:50 Sa, Folwell Hall 121, 11:00-11:50 Sa, Folwell Hall 121, 11:00-11:50 Sa, Folwell Hall 121, Primarily Online; Amy Palmer ; 1 cr.

22157 127 LEC, 11:00-11:50 Sa, Folwell Hall 106, 11:00-11:50 Sa, Folwell Hall 106, 11:00-11:50 Sa, Folwell Hall 106, Primarily Online; Amy Palmer ; 1 cr.

22158 128 LEC, 11:00-11:50 Sa, Folwell Hall 120, 11:00-11:50 Sa, Folwell Hall 120, 11:00-11:50 Sa, Folwell Hall 120, Primarily Online; Amy Palmer ; 1 cr.

22159 129 LEC, 11:00-11:50 Sa, Folwell Hall 103, 11:00-11:50 Sa, Folwell Hall 103, 11:00-11:50 Sa, Folwell Hall 103, Primarily Online; Amy Palmer ; 1 cr.

22160 130 LEC, 11:00-11:50 Sa, Folwell Hall 103, 11:00-11:50 Sa, Folwell Hall 103, Primarily Online; Amy Palmer ; 1 cr.

22161 131 LEC, 11:00-11:50 Sa, Folwell Hall 105, 11:00-11:50 Sa, Folwell Hall 105, 11:00-11:50 Sa, Folwell Hall 105, Primarily Online; Amy Palmer ; 1 cr.

22162 132 LEC, 11:00-11:50 Sa, Folwell Hall 104, 11:00-11:50 Sa, Folwell Hall 104, 11:00-11:50 Sa, Folwell Hall 104, Primarily Online; Amy Palmer ; 1 cr.

22163 133 LEC, 11:00-11:50 Sa, Folwell Hall 8, 11:00-11:50 Sa, Folwell Hall 8, 11:00-11:50 Sa, Folwell Hall 8, Primarily Online; Amy Palmer ; 1 cr.

22164 134 LEC, 11:00-11:50 Sa, Folwell Hall 107, 11:00-11:50 Sa, Folwell Hall 107, 11:00-11:50 Sa, Folwell Hall 107, Primarily Online; Amy Palmer ; 1 cr.

22165 135 LEC, 11:00-11:50 Sa, Folwell Hall 13, 11:00-11:50 Sa, Folwell Hall 13, 11:00-11:50 Sa, Folwell Hall 13, Primarily Online; Amy Palmer ; 1 cr.

22166 136 LEC, 11:00-11:50 Sa, Folwell Hall 10, 11:00-11:50 Sa, Folwell Hall 10, 11:00-11:50 Sa, Folwell Hall 10, Primarily Online; Amy Palmer ; 1 cr.

22167 137 LEC, 11:00-11:50 Sa, Folwell Hall 31, 11:00-11:50 Sa, Folwell Hall 31, 11:00-11:50 Sa, Folwell Hall 31, Primarily Online; Amy Palmer ; 1 cr.

22168 138 LEC, 11:00-11:50 Sa, Folwell Hall 16, 11:00-11:50 Sa, Folwell Hall 16, 11:00-11:50 Sa, Folwell Hall 16, Primarily Online; Amy Palmer ; 1 cr.

22169 139 LEC, 11:00-11:50 Sa, Folwell Hall 18, 11:00-11:50 Sa, Folwell Hall 18, 11:00-11:50 Sa, Folwell Hall 18, Primarily Online; Amy Palmer ; 1 cr.

22170 140 LEC, 11:00-11:50 Sa, Folwell Hall 30, 11:00-11:50 Sa, Folwell Hall 30, 11:00-11:50 Sa, Folwell Hall 30, Primarily Online; Amy Palmer ; 1 cr.

22171 141 LEC, 11:00-11:50 Sa, Folwell Hall 6, 11:00-11:50 Sa, Folwell Hall 6, 11:00-11:50 Sa, Folwell Hall 6, Primarily Online; Amy Palmer ; 1 cr.

22172 142 LEC, 11:00-11:50 Sa, Folwell Hall 5, 11:00-11:50 Sa, Folwell Hall 5, 11:00-11:50 Sa, Folwell Hall 5, Primarily Online; Amy Palmer ; 1 cr.

22173 143 LEC, 11:00-11:50 Sa, Folwell Hall 3, 11:00-11:50 Sa, Folwell Hall 3, 11:00-11:50 Sa, Folwell Hall 3, Primarily Online; Amy Palmer ; 1 cr.

1002 CLA First-Year Experience II

(S-N only;)
21419 001 LEC, Completely Online; Jennifer Endres ; 1 cr.

1005 Introduction to Liberal Arts Learning

(S-N only; Prereq: CLA Presidents Emerging Scholars, freshman)

19270 001 DIS, 14:30-15:45 W, Appleby Hall 303, In Person Term Based; Sonya Castillo ; 1 cr.

19271 002 DIS, 14:30-15:45 W, Appleby Hall 226, In Person Term Based; Rodrigue Lauture ; 1 cr.

19272 003 DIS, 14:30-15:45 W, Appleby Hall 11, In Person Term Based; Quinn Nelson ; 1 cr.

19273 004 DIS, 14:30-15:45 W, Appleby Hall 3, In Person Term Based; Madyson Sklar ; 1 cr.

19274 006 DIS, 14:30-15:45 W, Kolthoff Hall 133, In Person Term Based; Kelly Thomas ; 1 cr.

19275 007 DIS, 14:30-15:45 W, Kolthoff Hall 139, In Person Term Based; Jontue Austin ; 1 cr.

19276 008 DIS, 14:30-15:45 W, Amundson Hall 116, In Person Term Based; Marlin Farley ; 1 cr.

20494 009 DIS, 14:30-15:45 W, Appleby Hall 302, In Person Term Based; Claire Hilgeman ; 1 cr.

21942 005 DIS, 14:30-15:45 W, Bruininks Hall 144, In Person Term Based; Omar Diaz ; 1 cr.

1007 CLA First-Year Experience: Independent Study

(S-N only;)
19961 001 IND, 00:00-00:00 , ONLINE, Completely Online; Jennifer Endres ; 1 cr.

1053 Continuation of Dean's First-Year Research and Creative Scholars Program

(Student Option No Audit; Prereq-Only available to CLA freshmen or transfer students who have completed CLA 1052.)

21303 001 IND, In Person Term Based; 2-3 cr.

1201 BA MD Medical Education Seminar I

(Student Option No Audit;)

20864 001 LEC, 15:35-16:25 M, Health Sciences Edu Ctr 4-103, In Person Term Based; Andrew Slattengren, Eduardo Medina ; 1 cr.

2201 BA/MD Medical Education Seminar III

(Student Option No Audit;)

21418 001 LEC, 15:35-16:25 M, Health Sciences Edu Ctr 4-105, In Person Term Based; Andrew Slattengren, Eduardo Medina ; 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.)

34357 001 LEC, Completely Online; Jennifer Endres ; 1 cr.

3002 Career Kickstart: Finding Internships and Other Career-Related Experiences

(Student Option No Audit;)

21410 002 DIS, 14:30-15:20 W, Bruininks Hall 330, In Person Term Based; Abby Trout ; 1 cr.

21411 001 DIS, Completely Online; Laura Heilman ; 1 cr.

21412 003 DIS, Completely Online; Barbara Goodwin ; 1 cr.

21413 004 DIS, Completely Online; Chelsea Ochoa ; 1 cr.

32677 005 DIS, Completely Online; Chelsea Ochoa ; 1 cr.

32678 006 DIS, Completely Online; Chelsea Ochoa ; 1 cr.

32682 008 DIS, 16:00-16:50 W, Appleby Hall 3, In Person Term Based; Omar Diaz ; 1 cr.

32683 009 DIS, 14:30-15:20 T, Appleby Hall 3, In Person Term Based; Quinn Nelson ; 1 cr.

3201 Career Planning: Preparing for Your Post-Graduation Plans

(Student Option No Audit;)

21408 001 DIS, Completely Online; Ana Eliason ; 1 cr.

21409 002 DIS, 10:10-11:00 W, Ford Hall B15, In Person Term Based; Ana Eliason ; 1 cr.

32697 003 DIS, Completely Online; Ana Eliason ; 1 cr.

3890 Internship Reflection: Building on your Summer Internship Experience

(Student Option;)

21421 001 DIS, Completely Online; Char Myers ; 1 cr.

34373 002 DIS, Completely Online; Char Myers ; 1 cr.

3896 Internship Reflection: Making Meaning of Your Experience

(Student Option; Prereq: dept consent)

21417 001 DIS, Completely Online; Ana Eliason ; 1 cr.

Commun Engage Scholars Program (CESP)

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.)

30107 002 DIS, 15:00-16:30 W, No Room Required, In Person Term Based; Basanti Miller ; 1 cr.

30108 001 DIS, 14:00-15:30 M, No Room Required, In Person Term Based; Jessica Proskin, Basanti Miller ; 1 cr.

30210 003 DIS, 11:00-12:30 F, No Room Required, In Person Term Based; Basanti Miller ; 1 cr.

3993 Directed Study for Community Engagement

(A-F only; Prereq: instsr consent, dept consent, college consent.)

30173 001 DIS, In Person Term Based; Laurel Hirt ; 1-4 cr.

Communication Studies (COMM)

1101 Introduction to Public Speaking

(Student Option; CIV)

17874 001 LEC, 08:15-09:30 TTh, Twin Cities Remote, Completely Online; Mike Baxter-Kauf ; 3 cr.

17875 002 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Mike Baxter-Kauf ; 3 cr.

17876 003 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Diane Odash ; 3 cr.

17877 004 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Mike Baxter-Kauf ; 3 cr.

17878 006 LEC, 08:15-09:30 TTh, Ford Hall B53, In Person Term Based; Wendy Anderson ; 3 cr.

17879 007 LEC, 09:45-11:00 MW, Ford Hall B80, In Person Term Based; James Abbott ; 3 cr.

17880 008 LEC, 09:45-11:00 MW, Ford Hall B29, In Person Term Based; Jeffrey VanCleave ; 3 cr.

17881 009 LEC, 09:45-11:00 TTh, Cooke Hall 214, In Person Term Based; Kristin Fitzsimmons ; 3 cr.

17882 010 LEC, 09:45-11:00 TTh, Ford Hall B10, In Person Term Based; John Nordin ; 3 cr.

17883 012 LEC, 09:45-11:00 MW, Pillsbury Hall 211, In Person Term Based; Marceleen Mosher ; 3 cr.

17884 013 LEC, 11:15-12:30 MW, Ford Hall B10, In Person Term Based; ; 3 cr.
 17885 014 LEC, 11:15-12:30 MW, Ford Hall B80, In Person Term Based; Emily Scroggins ; 3 cr.
 18382 016 LEC, 11:15-12:30 TTh, Ford Hall B29, In Person Term Based; Suri Pourmodheji ; 3 cr.
 18383 019 LEC, 13:00-14:15 MW, Ford Hall B29, In Person Term Based; John Nordin ; 3 cr.
 18435 005 LEC, 08:15-09:30 MW, Ford Hall B53, In Person Term Based; James Abbott ; 3 cr.
 18437 011 LEC, 11:15-12:30 MW, Ford Hall 110, In Person Term Based; James Abbott ; 3 cr.
 18438 015 LEC, 11:15-12:30 TTh, Appleby Hall 303, In Person Term Based; Wendy Anderson ; 3 cr.
 18439 017 LEC, 09:45-11:00 TTh, Ford Hall B15, In Person Term Based; Anthony Adams ; 3 cr.
 18443 018 LEC, 13:00-14:15 MW, Ford Hall 150, In Person Term Based; ; 3 cr.
 18982 021 LEC, 13:00-14:15 TTh, Appleby Hall 102, In Person Term Based; Mark Schmutzler ; 3 cr.
 19079 023 LEC, 13:00-14:15 TTh, Ford Hall B29, In Person Term Based; Liora Elias ; 3 cr.
 19080 024 LEC, 14:30-15:45 MW, Ford Hall B53, In Person Term Based; ; 3 cr.
 19081 025 LEC, 14:30-15:45 TTh, Ford Hall B29, In Person Term Based; Liora Elias ; 3 cr.
 19082 026 LEC, 16:00-17:15 TTh, Ford Hall B53, In Person Term Based; Liora Elias ; 3 cr.
 19293 022 LEC, 13:00-14:15 TTh, Ford Hall 127, In Person Term Based; Carly Byrnes ; 3 cr.
 21882 027 LEC, 13:00-14:15 MW, Murphy Hall 228, In Person Term Based; Austin Fleming ; 3 cr.

1101H Honors: Introduction to Public Speaking

(A-F only; Prereq: HonorsCIV)
 19661 001 LEC, 14:30-15:45 TTh, Pillsbury Hall 211, In Person Term Based; John Nordin ; 3 cr.

1313W Analysis of Argument

(Student Option; WI)
 17886 010 LEC, 16:00-17:15 TTh, Twin Cities Remote, Completely Online; David Cram Helwich ; 3 cr.
 17887 002 LEC, 09:45-11:00 TTh, Ford Hall 127, In Person Term Based; Jeremy Rose ; 3 cr.
 17888 003 LEC, 11:15-12:30 MW, Twin Cities Remote, Completely Online; Allison Brenneise ; 3 cr.
 17889 004 LEC, 13:00-14:15 MW, Ford Hall B10, In Person Term Based; Jeffrey VanCleave ; 3 cr.
 17890 005 LEC, 14:30-15:45 MW, Kolthoff Hall 135, In Person Term Based; Jeffrey VanCleave ; 3 cr.
 17891 006 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Kristen Einertson ; 3 cr.
 18384 007 LEC, 11:15-12:30 TTh, Ford Hall 127, In Person Term Based; Jeremy Rose ; 3 cr.
 18826 008 LEC, 13:00-14:15 TTh, Nicholson Hall 355, In Person Term Based; Vanessa Nyarko ; 3 cr.
 18983 009 LEC, 09:45-11:00 MW, Ford Hall 127, In Person Term Based; Monica Evans ; 3 cr.
 19058 001 LEC, Completely Online; Allison Brenneise ; 3 cr.

3110 Topics in Communication Studies

(Student Option;)
 33747 001 LEC, 16:00-17:15 MW, Ford Hall 130, In Person Term Based; David Cram Helwich ; 3 cr.

3201 Introduction to Electronic Media Production

(A-F or Audit;)
 17893 002 LAB, 13:25-15:20 W, Ford Hall 115, 13:25-15:20 M, Rarig Center Studio E, In Person Term Based; Lisa Hutchinson ; 4 cr.
 18757 003 LAB, 13:25-15:20 W, Rarig Center Studio E, 13:25-15:20 M, Ford Hall 115, In Person Term Based; Dawn Schot Klotzbach ; 4 cr.
 19010 004 LAB, 10:10-12:05 Th, Rarig Center Studio E, 10:10-12:05 T, Ford Hall 115, In Person Term Based; Lisa Hutchinson ; 4 cr.
 19162 005 LAB, 10:10-12:05 T, Rarig Center Studio E, 10:10-12:05 Th, Ford Hall 115, In Person Term Based; Michael Tahmoressi ; 4 cr.
 21864 006 LAB, 10:10-12:05 MW, Rarig Center Studio E, In Person Term Based; Lisa Hutchinson ; 4 cr.

3202 Audio Production and Media Literacy

(Student Option;)
 34064 001 LAB, 16:00-19:00 T, Ford Hall B80, In Person Term Based; Mark Pedelty ; 3 cr.

3204 Advanced Electronic Media Production

(A-F or Audit; Prereq: 3201 or instr consent)
 18784 001 LAB, 10:10-12:05 TTh, Rarig Center Studio B, In Person Term Based; Dawn Schot Klotzbach ; 4 cr.

3211 Introduction to Media Studies

(Student Option;)
 17901 001 LEC, 13:00-14:15 TTh, Nicholson Hall 155, In Person Term Based; Lisa Hutchinson ; 3 cr.

3231 Reality TV: History, Culture, and Economics

(Student Option;)
 21528 001 LEC, 14:30-15:45 TTh, Ford Hall B80, In Person Term Based; Caroline Bayne ; 3 cr.

3263W Media Literacy: Decoding Media Images and Messages

(Student Option; WI)
 19204 001 LEC, Completely Online; Kristin Fitzsimmons ; 3 cr.
 19205 002 LEC, 09:45-11:00 MW, Ford Hall B53, In Person Term Based; Joshua Morrison ; 3 cr.
 19206 003 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Bree Trisler ; 3 cr.
 19207 004 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Kristin Fitzsimmons ; 3 cr.

3351 Asian Americans and Popular Culture

(Student Option; AH,DSJ)
 20857 001 DIS, 17:30-20:00 Th, Blegen Hall 110, In Person Term Based; Meets With: 001 AAS 3351; John Matsunaga ; 3 cr.

3401 Introduction to Communication Theory

(Student Option;)
 17894 001 LEC, 09:45-11:00 TTh, Nicholson Hall 155, In Person Term Based; Carly Byrnes ; 3 cr.
 19336 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Stephanie Galameault ; 3 cr.

3402 Introduction to Interpersonal Communication

(Student Option;)
 33808 001 LEC, 09:45-11:00 TTh, Ford Hall 110, In Person Term Based; Amy Joyer ; 3 cr.

3411 Introduction to Small Group Communication

(Student Option;)
 17895 001 LEC, 09:45-11:00 MW, Akerman Hall 319, In Person Term Based; Nan Gesche ; 3 cr.
 17896 002 LEC, 11:15-12:30 TTh, Ford Hall B10, In Person Term Based; Andrea Shada ; 3 cr.
 17898 004 LEC, 13:00-14:15 MW, Ford Hall 127, In Person Term Based; Stephanie Galameault ; 3 cr.
 17899 005 LEC, Completely Online; Nan Gesche ; 3 cr.
 18385 006 LEC, Completely Online; Nan Gesche ; 3 cr.

3422 Interviewing and Communication

(A-F or Audit;)
 17908 001 LEC, 11:15-12:30 MW, Twin Cities Remote, Completely Online; Diane Odash ; 3 cr.
 18756 002 LEC, 09:45-11:00 TTh, Ford Hall B29, In Person Term Based; Andrea Shada ; 3 cr.
 19009 003 LEC, 11:15-12:30 TTh, Ford Hall B53, In Person Term Based; Diane Odash ; 3 cr.
 20150 004 LEC, 13:00-14:15 TTh, Ford Hall B53, In Person Term Based; Andrea Shada ; 3 cr.

3441 Introduction to Organizational Communication

(Student Option;)
 20603 001 LEC, 14:30-15:45 TTh, Ford Hall 127, In Person Term Based; Stephanie Galameault ; 3 cr.
 21785 002 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Sylvia Vue ; 3 cr.

3451W Intercultural Communication: Theory and Practice

(Student Option; Prereq: Planning an intercultural experienceWI)
 33701 001 LEC, 14:30-15:45 MW, Ford Hall 130, In Person Term Based; Zornitsa Keremidchieva ; 3 cr.

3601 Introduction to Rhetorical Theory

(Student Option;)
 18386 001 LEC, 09:45-11:00 MW, Twin Cities Remote, Completely Online; Atila Hallsby ; 3 cr.

3605W Persuasive Speaking and Speech Writing

(Student Option; Prereq: 1101, sophWI)
 17900 001 LEC, 13:00-14:15 MW, Ford Hall B53, In Person Term Based; Jack Lassiter ; 3 cr.

3614 Advanced Public Policy and Debate

(A-F only;)

20590 001 DIS, 18:00-21:00 W, Ford Hall B53, In Person Term Based; David Cram Helwich ; 3 cr.

3625W Communication Ethics

(A-F or Audit; WI)
 18678 001 LEC, 09:45-11:00 TTh, Blegen Hall 435, In Person Term Based; Wendy Anderson ; 3 cr.

3635W Famous Speeches

(A-F only; WI)
 20644 001 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Emily Winderman ; 3 cr.

3896 Internship for Academic Credit

(Student Option;)
 21011 001 IND, In Person Term Based; Andrea Shada ; 1-4 cr.

3993 Directed Study

(Student Option;)
 20420 001 IND, In Person Term Based; 1-3 cr.

3994 Directed Research

(Student Option;)
 18615 001 FWK, 00:00-00:00 , , In Person Term Based; 1-3 cr.

3996 Directed Instruction

(S-N or Audit;)
 19303 001 FWK, 00:00-00:00 , , In Person Term Based; 3 cr.

3999W Capstone Project

(S-N only; Prerequisites: COMM major; instructor consentWI)
 18742 001 IND, In Person Term Based; Mark Pedelty ; 1 cr.
 20228 002 IND, In Person Term Based; Gilbert Rodman ; 1 cr.
 20229 003 IND, In Person Term Based; Carly Byrnes ; 1 cr.
 20230 004 IND, 00:00-00:00 , , In Person Term Based; Emily Winderman ; 1 cr.
 20768 005 IND, In Person Term Based; Jeremy Rose ; 1 cr.

4251 Environmental Communication

(A-F only; ENV)
 21529 001 DIS, 14:30-17:00 W, Elliott Hall N647, In Person Term Based; Mark Pedelty ; 3 cr.

4291 New Telecommunication Media

(A-F or Audit; Prereq: 3211 or instr consent)
 33708 001 LEC, 11:15-12:30 MW, Ford Hall B29, In Person Term Based; Gilbert Rodman ; 3 cr.

4407 Communication and Conflict

(A-F or Audit; Prereq: 3401 or instr consent)
 20998 001 LEC, 11:15-12:30 TTh, Nicholson Hall 120, In Person Term Based; Carly Byrnes ; 3 cr.

4471 Communication in Marriage and Family

(Student Option; Prereq: 3401 or 3402 or instr consent)
 21792 001 LEC, 13:00-14:15 TTh, Ford Hall B15, In Person Term Based; Jeremy Rose ; 3 cr.

5110 Special Topics in Communication Theory

(Student Option;)
 32540 001 LEC, 14:30-15:45 TTh, Nicholson Hall 135, In Person Term Based; Emily Winderman, Margaret Hennefeld ; 3 cr.

5970 Directed Study

(Student Option;)
 17909 001 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.

Comparative & Molecular Biosci (CMB)

5594 Directed Research in Comparative and Molecular Biosciences

(Student Option; Prereq: Jr, instr consent)
 10246 001 LAB, 00:00-00:00 , , In Person Term Based; Hinh Ly ; 1-4 cr.
 10281 002 LAB, 00:00-00:00 , , In Person Term Based; Mark Rutherford ; 1-4 cr.

5915 Essential Statistics for Life Sciences

(A-F or Audit;)
 10422 001 LEC, 10:30-12:00 TTh, Veterinary Science 215, In Person Term Based; Meets With: 001 VMED 5915; Aaron Rendahl ; 3 cr.

Computer Science (CSCI)

1103 Introduction to Computer Programming in Java

(Student Option;)
 24045 001 LEC, 10:10-11:00 MWF, Anderson Hall 270, In Person Term Based; Timothy Wrenn ; 4 cr.
 24294 002 LAB, 11:15-13:10 M, Keller Hall 1-262, In Person Term Based; Timothy Wrenn ; 4 cr.
 25392 004 LAB, 13:25-15:20 M, Keller Hall 1-262, In Person Term Based; Timothy Wrenn ; 4 cr.
 25480 005 LAB, 15:35-17:30 M, Keller Hall 1-262, In Person Term Based; Timothy Wrenn ; 4 cr.
 26325 006 LAB, 17:45-19:40 M, Keller Hall 1-262, In Person Term Based; Timothy Wrenn ; 4 cr.

1113 Introduction to C/C++ Programming for Scientists and Engineers

(Student Option; Prereq: Math 1271 or Math 1371 or Math 1571H or instr consent)
 24046 001 LEC, 15:35-16:25 MWF, Tate Hall 105, In Person Term Based; Timothy Wrenn ; 4 cr.
 24047 004 LAB, 08:00-11:00 Th, Walter Library B28, In Person Term Based; Timothy Wrenn ; 4 cr.
 24048 003 LAB, 17:45-20:45 W, Walter Library B28, In Person Term Based; Timothy Wrenn ; 4 cr.
 24049 005 LAB, 11:15-14:15 Th, Walter Library B28, In Person Term Based; Timothy Wrenn ; 4 cr.
 25509 006 LAB, 14:30-17:30 Th, Walter Library B28, In Person Term Based; Timothy Wrenn ; 4 cr.
 26722 007 LAB, 17:45-20:45 Th, Walter Library B28, In Person Term Based; Timothy Wrenn ; 4 cr.
 26723 008 LAB, 08:00-11:00 F, Walter Library B28, In Person Term Based; Timothy Wrenn ; 4 cr.
 26724 009 LAB, 11:15-14:15 F, Walter Library B28, In Person Term Based; Timothy Wrenn ; 4 cr.

1115 Exploring Computer Science Exercises in C++ (S-N only;)

26863 001 LEC, 18:00-20:00 M, Bruininks Hall 312, In Person Term Based; 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)
 25809 001 LEC, 10:10-11:00 MWF, Keller Hall 3-210, In Person Term Based; Nathan Taylor ; 4 cr.
 25810 002 LAB, 08:00-09:55 Th, Keller Hall 1-262, In Person Term Based; Nathan Taylor ; 4 cr.
 25811 003 LAB, 10:10-12:05 Th, Keller Hall 1-262, In Person Term Based; Nathan Taylor ; 4 cr.
 25812 004 LAB, 12:20-14:15 Th, Keller Hall 1-262, In Person Term Based; Nathan Taylor ; 4 cr.
 25871 005 LAB, 14:30-16:25 Th, Keller Hall 1-262, In Person Term Based; Nathan Taylor ; 4 cr.
 25872 021 LAB, 08:00-09:55 Th, Keller Hall 1-250, In Person Term Based; Samuel Fountain ; 4 cr.
 25873 022 LAB, 10:10-12:05 Th, Keller Hall 1-250, In Person Term Based; Samuel Fountain ; 4 cr.
 25874 010 LEC, 18:30-21:00 W, Keller Hall 3-210, In Person Term Based; Nathan Taylor ; 4 cr.
 25875 011 LAB, 16:40-18:35 Th, Walter Library 106, In Person Term Based; Nathan Taylor ; 4 cr.
 25876 012 LAB, 18:50-20:45 Th, Walter Library 106, In Person Term Based; Nathan Taylor ; 4 cr.
 25948 013 LAB, 08:00-09:55 F, Walter Library 106, In Person Term Based; Nathan Taylor ; 4 cr.
 25962 024 LAB, 14:30-16:25 Th, Keller Hall 1-250, In Person Term Based; Samuel Fountain ; 4 cr.
 25972 023 LAB, 12:20-14:15 Th, Keller Hall 1-250, In Person Term Based; Samuel Fountain ; 4 cr.
 26154 020 LEC, 10:10-11:00 MWF, Bruininks Hall 230, In Person Term Based; Samuel Fountain ; 4 cr.
 26196 025 LAB, 16:40-18:35 Th, Keller Hall 1-250, In Person Term Based; Samuel Fountain ; 4 cr.
 26201 006 LAB, 16:40-18:35 Th, Keller Hall 1-262, In Person Term Based; Nathan Taylor ; 4 cr.
 26629 030 LEC, 12:20-13:10 MWF, Amundson Hall B75, In Person Term Based; Nathan Taylor ; 4 cr.
 26630 031 LAB, 08:00-09:55 Th, Walter Library 106, In Person Term Based; Nathan Taylor ; 4 cr.
 26631 032 LAB, 10:10-12:05 Th, Walter Library 106, In Person Term Based; Nathan Taylor ; 4 cr.
 32995 014 LAB, 10:10-12:05 F, Walter Library 106, In Person Term Based; Nathan Taylor ; 4 cr.
 32996 015 LAB, 12:20-14:15 F, Walter Library 106, In Person Term Based; Nathan Taylor ; 4 cr.
 32997 033 LAB, 12:20-14:15 Th, Walter Library 106, In Person Term Based; Nathan Taylor ; 4 cr.
 32998 034 LAB, 14:30-16:25 Th, Walter Library 106, In Person Term Based; Nathan Taylor ; 4 cr.

33994 016 LAB, 18:50-20:45 Th, Twin Cities Remote, Completely Online; Nathan Taylor ; 4 cr.
 34058 040 LEC, 08:00-08:50 MWF, Mechanical Engineering 102, In Person Term Based; Risako Owan ; 4 cr.
 34059 041 LAB, 09:05-11:00 W, Lab TBA, In Person Term Based; Risako Owan ; 4 cr.
 34060 042 LAB, 11:15-13:10 W, Lab TBA, In Person Term Based; Risako Owan ; 4 cr.
 34061 050 LEC, 09:05-09:55 MWF, Mechanical Engineering 102, In Person Term Based; Libby Ferland ; 4 cr.
 34062 051 LAB, 13:25-15:20 W, Lab TBA, In Person Term Based; Libby Ferland ; 4 cr.
 34063 052 LAB, 15:35-17:30 W, Lab TBA, In Person Term Based; Libby Ferland ; 4 cr.

1133H Honors Introduction to Computing and Programming Concepts

(A-F only; Prereq: [concurrent registration is required (or allowed) in MATH 1271 or concurrent registration is required (or allowed) in MATH 1371 or concurrent registration is required (or allowed) in MATH 1571H], CSci majors, pre-majors in CSE/CLA, honors student)
 25907 001 LEC, 14:30-15:20 MWF, Keller Hall 2-260, In Person Term Based; Junaed Sattar ; 4 cr.
 25908 002 LAB, 15:35-17:15 W, Keller Hall 1-262, In Person Term Based; Junaed Sattar ; 4 cr.

1135 Exploring Computer Science Exercises in Python (S-N only;)

26725 001 LEC, 18:00-20:00 T, Bruininks Hall 312, In Person Term Based; Nathan Taylor, Samuel Fountain ; 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)
 25813 001 LEC, 14:30-15:20 MWF, 10 Church Street SE 100, In Person Term Based; Daniel Kluger ; 4 cr.
 25814 002 LAB, 14:30-16:25 T, Walter Library 106, In Person Term Based; Daniel Kluger ; 4 cr.
 25815 003 LAB, 16:40-18:35 T, Walter Library 106, In Person Term Based; Daniel Kluger ; 4 cr.
 25877 004 LAB, 18:50-20:45 T, Walter Library 106, In Person Term Based; Daniel Kluger ; 4 cr.
 25947 005 LAB, 08:00-09:55 W, Walter Library 106, In Person Term Based; Daniel Kluger ; 4 cr.
 25973 006 LAB, 10:10-12:05 W, Walter Library 106, In Person Term Based; Daniel Kluger ; 4 cr.
 26083 007 LAB, 12:20-14:15 W, Walter Library 106, In Person Term Based; Daniel Kluger ; 4 cr.
 33018 008 LAB, 10:10-12:05 T, Walter Library 106, In Person Term Based; Daniel Kluger ; 4 cr.
 33019 009 LAB, 12:20-14:15 T, Walter Library 106, In Person Term Based; Daniel Kluger ; 4 cr.

1933 Introduction to Algorithms and Data Structures

(Student Option; Prereq: 1133 or instr consent)
 25878 001 LEC, 14:30-15:20 MWF, Anderson Hall 310, In Person Term Based; Chris Dovolis ; 4 cr.
 25879 002 LAB, 08:00-09:55 T, Keller Hall 1-262, In Person Term Based; Chris Dovolis ; 4 cr.
 25880 003 LAB, 10:10-12:05 T, Keller Hall 1-262, In Person Term Based; Chris Dovolis ; 4 cr.
 25881 004 LAB, 12:20-14:15 T, Keller Hall 1-262, In Person Term Based; Chris Dovolis ; 4 cr.
 25882 005 LAB, 14:30-16:25 T, Keller Hall 1-262, In Person Term Based; Chris Dovolis ; 4 cr.
 25883 006 LAB, 16:40-18:35 T, Keller Hall 1-262, In Person Term Based; Chris Dovolis ; 4 cr.
 25884 007 LAB, 18:50-20:45 T, Keller Hall 1-262, In Person Term Based; Chris Dovolis ; 4 cr.
 26642 008 LAB, 18:50-20:45 M, Walter Library 106, In Person Term Based; Chris Dovolis ; 4 cr.
 26743 010 LEC, 09:05-09:55 MWF, Bruininks Hall 220, In Person Term Based; Chris Dovolis ; 4 cr.
 26744 011 LAB, 15:35-17:30 M, Walter Library B28, In Person Term Based; Chris Dovolis ; 4 cr.
 26746 013 LAB, 08:00-09:55 T, Walter Library B28, In Person Term Based; Chris Dovolis ; 4 cr.
 26747 014 LAB, 10:10-12:05 T, Walter Library B28, In Person Term Based; Chris Dovolis ; 4 cr.
 26748 015 LAB, 12:20-14:15 T, Walter Library B28, In Person Term Based; Chris Dovolis ; 4 cr.
 26749 016 LAB, 14:30-16:25 T, Walter Library B28, In Person Term Based; Chris Dovolis ; 4 cr.
 26750 017 LAB, 16:40-18:35 T, Walter Library B28, In Person Term Based; Chris Dovolis ; 4 cr.
 33021 018 LAB, 18:50-20:45 T, Walter Library B28, In Person Term Based; Chris Dovolis ; 4 cr.
 33022 012 LAB, 17:45-19:40 M, Walter Library B28, In Person Term Based; Chris Dovolis ; 4 cr.

2011 Discrete Structures of Computer Science

(Student Option; Prereq: MATH 1271 or MATH 1371 or instr consent)
 24050 001 LEC, 12:20-13:10 MWF, Anderson Hall 210, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 24051 003 DIS, 13:25-14:15 T, Molecular Cellular Biol 2-122, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 24052 002 DIS, 12:20-13:10 T, Molecular Cellular Biol 2-120, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 24053 004 DIS, 14:30-15:20 T, Akerman Hall 225, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 25510 005 DIS, 15:35-16:25 T, Akerman Hall 225, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 25559 006 DIS, 16:40-17:30 T, Keller Hall 3-111, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 25790 007 DIS, 17:45-18:35 T, Keller Hall 3-111, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 25891 010 LEC, 18:30-21:00 M, Tate Hall 101, In Person Term Based; Cole Wyeth ; 4 cr.
 25892 011 DIS, 16:40-17:30 Th, Akerman Hall 319, In Person Term Based; Cole Wyeth ; 4 cr.
 25893 012 DIS, 17:45-18:35 Th, Akerman Hall 319, In Person Term Based; Cole Wyeth ; 4 cr.
 26039 013 DIS, 18:50-19:40 Th, Akerman Hall 319, In Person Term Based; Cole Wyeth ; 4 cr.
 26195 015 DIS, 10:10-11:00 F, Keller Hall 2-260, In Person Term Based; Cole Wyeth ; 4 cr.
 26632 020 LEC, 15:35-16:25 MWF, Tate Hall 101, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 26633 021 DIS, 15:35-16:25 T, Amundson Hall 120, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 26634 022 DIS, 16:40-17:30 T, Amundson Hall 116, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 26770 023 DIS, 17:45-18:35 T, Amundson Hall 116, In Person Term Based; Sebastiaan Joosten ; 4 cr.
 34441 024 DIS, 14:30-15:20 T, Ford Hall 110, In Person Term Based; Sebastiaan Joosten ; 4 cr.

2021 Machine Architecture and Organization

(Student Option; Prereq: 1913 or 1933 or instr consent)
 26406 001 LEC, 13:25-14:15 MWF, Anderson Hall 210, In Person Term Based; Christopher Kauffman ; 4 cr.
 26407 010 LEC, 15:35-16:25 MWF, Anderson Hall 310, In Person Term Based; Christopher Kauffman ; 4 cr.
 26412 002 LAB, 08:00-08:50 W, Keller Hall 1-250, In Person Term Based; Christopher Kauffman ; 4 cr.
 26413 011 LAB, 12:20-13:10 W, Keller Hall 1-262, In Person Term Based; Christopher Kauffman ; 4 cr.
 26427 003 LAB, 09:05-09:55 W, Keller Hall 1-250, In Person Term Based; Christopher Kauffman ; 4 cr.
 26428 005 LAB, 10:10-11:00 W, Keller Hall 1-250, In Person Term Based; Christopher Kauffman ; 4 cr.
 26429 006 LAB, 11:15-12:05 W, Keller Hall 1-250, In Person Term Based; Christopher Kauffman ; 4 cr.
 26430 007 LAB, 12:20-13:10 W, Keller Hall 1-250, In Person Term Based; Christopher Kauffman ; 4 cr.
 26431 012 LAB, 13:25-14:15 W, Keller Hall 1-262, In Person Term Based; Christopher Kauffman ; 4 cr.
 26432 013 LAB, 14:30-15:20 W, Keller Hall 1-262, In Person Term Based; Christopher Kauffman ; 4 cr.
 26864 020 LEC, 14:30-15:20 MWF, Tate Hall 101, In Person Term Based; Jack Kolb ; 4 cr.
 26865 021 LAB, 08:00-08:50 W, Keller Hall 1-262, In Person Term Based; Jack Kolb ; 4 cr.
 26866 022 LAB, 09:05-09:55 W, Keller Hall 1-262, In Person Term Based; Jack Kolb ; 4 cr.
 26867 023 LAB, 10:10-11:00 W, Keller Hall 1-262, In Person Term Based; Jack Kolb ; 4 cr.
 26868 024 LAB, 11:15-12:05 W, Keller Hall 1-262, In Person Term Based; Jack Kolb ; 4 cr.
 34442 008 LAB, 10:10-11:00 W, Walter Library B28, In Person Term Based; 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])
 25579 001 LEC, 08:00-08:50 MWF, Tate Hall 105, In Person Term Based; Dan Runningen ; 4 cr.
 25580 002 DIS, 14:30-15:20 T, Keller Hall 2-260, In Person Term Based; Dan Runningen ; 4 cr.
 25581 003 DIS, 15:35-16:25 T, Keller Hall 2-260, In Person Term Based; Dan Runningen ; 4 cr.
 25582 004 DIS, 16:40-17:30 T, Keller Hall 2-260, In Person Term Based; Dan Runningen ; 4 cr.
 26158 011 DIS, 11:15-12:05 T, Amundson Hall 240, In Person Term Based; Ville Cantory ; 4 cr.
 26159 012 DIS, 12:20-13:10 T, Keller Hall 3-115, In Person Term Based; Ville Cantory ; 4 cr.
 26160 013 DIS, 13:25-14:15 T, Molecular Cellular Biol 2-120, In Person Term Based; Ville Cantory ; 4 cr.
 26263 010 LEC, 11:15-12:05 MWF, Keller Hall 3-210, In Person Term Based; Ville Cantory ; 4 cr.

26382 014 DIS, 14:30-15:20 T, Amundson Hall 240, In Person Term Based; Ville Cantory ; 4 cr.
 26820 015 DIS, 15:35-16:25 T, Amundson Hall 240, In Person Term Based; Ville Cantory ; 4 cr.
 34443 016 DIS, 16:40-17:30 T, Amundson Hall 240, In Person Term Based; Ville Cantory ; 4 cr.

2041 Advanced Programming Principles

(Student Option; Prereq: [1913 or 1933], 2011)
 25886 001 LEC, 09:05-09:55 MWF, Willey Hall 125, In Person Term Based; James Moen ; 4 cr.
 25887 002 LAB, 08:00-08:50 T, Keller Hall 1-250, In Person Term Based; James Moen ; 4 cr.
 25888 003 LAB, 09:05-09:55 T, Keller Hall 1-250, In Person Term Based; James Moen ; 4 cr.
 25889 004 LAB, 10:10-11:00 T, Keller Hall 1-250, In Person Term Based; James Moen ; 4 cr.
 25890 005 LAB, 11:15-12:05 T, Keller Hall 1-250, In Person Term Based; James Moen ; 4 cr.
 26084 010 LEC, 13:25-14:15 MWF, Anderson Hall 310, In Person Term Based; Eric Van Wyk ; 4 cr.
 26085 011 LAB, 14:30-15:20 T, Keller Hall 1-250, In Person Term Based; Eric Van Wyk ; 4 cr.
 26086 012 LAB, 15:35-16:25 T, Keller Hall 1-250, In Person Term Based; Eric Van Wyk ; 4 cr.
 26327 013 LAB, 16:40-17:30 T, Keller Hall 1-250, In Person Term Based; Eric Van Wyk ; 4 cr.
 33034 006 LAB, 12:20-13:10 T, Keller Hall 1-250, In Person Term Based; James Moen ; 4 cr.
 33035 007 LAB, 13:25-14:15 T, Keller Hall 1-250, In Person Term Based; James Moen ; 4 cr.
 33036 014 LAB, 17:45-18:35 T, Keller Hall 1-250, In Person Term Based; Eric Van Wyk ; 4 cr.
 33037 015 LAB, 18:50-19:40 T, Keller Hall 1-250, In Person Term Based; Eric Van Wyk ; 4 cr.
 34465 008 LAB, 09:05-09:55 T, Walter Library 106, In Person Term Based; James Moen ; 4 cr.

2081 Introduction to Software Development

(Student Option; Prereq: CSCI 1133 or CSCI 1133H)
 26740 001 LEC, 13:25-14:15 MW, Akerman Hall 319, Partially Online; Dan Challou ; 4 cr.
 26741 002 LAB, 14:30-16:25 M, Walter Library 106, In Person Term Based; Dan Challou ; 4 cr.
 26742 003 LAB, 16:40-18:35 M, Walter Library 106, In Person Term Based; Dan Challou ; 4 cr.

2980 Special Topics in Computer Science

(A-F or Audit;)
 33651 001 LEC, 18:00-20:00 T, Bruininks Hall 131B, In Person Term Based; Shana Watters ; 1-4 cr.

3003 Introduction to Computing in Biology

(Student Option; Prereq: introductory biology course.)
 26493 001 LEC, 14:30-15:45 TTh, Keller Hall 3-230, In Person Term Based; Meets With: 001 CSCI 5465; Chad Myers ; 3 cr.
 26496 002 LAB, 08:00-09:55 F, Keller Hall 1-260, In Person Term Based; Chad Myers ; 3 cr.
 26500 003 LAB, 10:10-12:05 F, Keller Hall 1-260, In Person Term Based; Chad Myers ; 3 cr.
 26822 004 LAB, 12:20-14:15 F, Keller Hall 1-260, In Person Term Based; Chad Myers ; 3 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.)
 26823 001 LEC, 15:35-16:25 MWF, Molecular Cellular Biol 2-120, In Person Term Based; Kathryn Jensen ; 4 cr.
 26824 002 DIS, 13:25-14:15 F, Keller Hall 1-250, In Person Term Based; Kathryn Jensen ; 4 cr.
 26825 003 DIS, 14:30-15:20 F, Keller Hall 1-250, In Person Term Based; Kathryn Jensen ; 4 cr.

3061 Introduction to Computer Systems

(Student Option; Prereq: CSci 2081 or instructor permission)
 26826 001 LEC, 11:15-12:05 MWF, Akerman Hall 313, In Person Term Based; Jack Kolb ; 4 cr.
 26827 002 LAB, 13:25-14:15 M, Walter Library B28, In Person Term Based; Jack Kolb ; 4 cr.
 26828 003 LAB, 14:30-15:20 M, Walter Library B28, In Person Term Based; Jack Kolb ; 4 cr.

3081W Program Design and Development

(Student Option; Prereq: [2021, 2041]; CS upper div, CS grad, or dept. permissionWI)
 26408 001 LEC, 09:45-11:00 TTh, Keller Hall 3-210, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 26409 010 LEC, 14:30-15:45 TTh, Keller Hall 3-210, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 26414 002 LAB, 08:00-08:50 F, Keller Hall 1-250, In Person Term Based; Shonal Gangopadhyay ; 4 cr.

26415 011 LAB, 08:00-08:50 F, Keller Hall 1-262, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 26436 003 LAB, 09:05-09:55 F, Keller Hall 1-250, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 26437 004 LAB, 10:10-11:00 F, Keller Hall 1-250, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 26438 005 LAB, 11:15-12:05 F, Keller Hall 1-250, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 26439 012 LAB, 09:05-09:55 F, Keller Hall 1-262, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 26440 013 LAB, 10:10-11:00 F, Keller Hall 1-262, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 26622 014 LAB, 11:15-12:05 F, Keller Hall 1-262, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 26829 006 LAB, 12:20-13:10 F, Keller Hall 1-250, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 26952 015 LAB, 12:20-13:10 F, Keller Hall 1-262, In Person Term Based; Shonal Gangopadhyay ; 4 cr.
 33118 016 LAB, 13:25-14:15 F, Keller Hall 1-262, In Person Term Based; Shonal Gangopadhyay ; 4 cr.

3921W Social, Legal, and Ethical Issues in Computing

(Student Option; Prereq: At least soph or instr consent(CIV,WI)
 25885 001 LEC, 18:30-20:00 T, Bruininks Hall 114, Partially Online; Phillip Barry ; 3 cr.

3970 Industrial Student Co-op Assignment

(S-N or Audit; Prereq: CSci, in co-op program, instr consent)
 24512 001 FWK, 00:00-00:00 , Independent/Directed Study; Chris Dovolis ; 2 cr.

4011 Formal Languages and Automata Theory

(Student Option; Prereq: 2041 or instr consent)
 23997 001 LEC, 14:30-15:45 TTh, Tate Hall 105, In Person Term Based; Carl Sturivant ; 4 cr.
 23998 002 DIS, 11:15-12:05 F, Keller Hall 3-125, In Person Term Based; Carl Sturivant ; 4 cr.
 23999 003 DIS, 12:20-13:10 F, Keller Hall 3-125, In Person Term Based; Carl Sturivant ; 4 cr.
 26345 004 DIS, 13:25-14:15 F, Amundson Hall 240, In Person Term Based; Carl Sturivant ; 4 cr.
 26447 005 DIS, 14:30-15:20 F, Vincent Hall 206, In Person Term Based; Carl Sturivant ; 4 cr.

4041 Algorithms and Data Structures

(Student Option; Prereq: [(1913 or 1933) and 2011] or instr consent; cannot be taken for grad CSci cr)
 24054 001 LEC, 11:15-12:30 TTh, 10 Church Street SE 100, In Person Term Based; Carl Sturivant ; 4 cr.
 24055 002 DIS, 08:00-08:50 F, Keller Hall 3-125, In Person Term Based; Carl Sturivant ; 4 cr.
 24056 003 DIS, 09:05-09:55 F, Keller Hall 3-125, In Person Term Based; Carl Sturivant ; 4 cr.
 24057 004 DIS, 10:10-11:00 F, Keller Hall 3-125, In Person Term Based; Carl Sturivant ; 4 cr.
 25511 005 DIS, 11:15-12:05 F, Keller Hall 3-115, In Person Term Based; Carl Sturivant ; 4 cr.
 25665 006 DIS, 12:20-13:10 F, Keller Hall 2-260, In Person Term Based; Carl Sturivant ; 4 cr.
 25837 007 DIS, 13:25-14:15 F, Keller Hall 2-260, In Person Term Based; Carl Sturivant ; 4 cr.
 25894 010 LEC, 16:00-17:15 MW, Smith Hall 100, In Person Term Based; James Moen ; 4 cr.
 25895 011 DIS, 15:35-16:25 Th, Amundson Hall 240, In Person Term Based; James Moen ; 4 cr.
 25896 012 DIS, 16:40-17:30 Th, Keller Hall 3-111, In Person Term Based; James Moen ; 4 cr.
 26215 013 DIS, 17:45-18:35 Th, Keller Hall 3-111, In Person Term Based; James Moen ; 4 cr.
 26328 014 DIS, 18:50-19:40 Th, Keller Hall 3-111, In Person Term Based; James Moen ; 4 cr.
 26833 015 DIS, 10:10-11:00 F, Keller Hall 3-115, In Person Term Based; James Moen ; 4 cr.

4061 Introduction to Operating Systems

(Student Option; Prereq: 2021 or EE 2361; CS upper div, CS minor, CompE upper div., EE upper div., EE grad, ITI upper div., Univ. honors student, or dept. permission; no cr for grads in CSci.)
 26410 001 LEC, 13:00-14:15 TTh, Keller Hall 3-210, In Person Term Based; Jon Weissman ; 4 cr.
 26411 010 LEC, 16:00-17:15 TTh, Bruininks Hall 220, In Person Term Based; Jon Weissman ; 4 cr.
 26416 002 LAB, 08:00-08:50 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.
 26417 011 LAB, 14:30-15:20 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.
 26441 003 LAB, 09:05-09:55 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.
 26442 004 LAB, 10:10-11:00 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.

26443 012 LAB, 15:35-16:25 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.
 26444 013 LAB, 16:40-17:30 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.
 33120 005 LAB, 11:15-12:05 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.
 33121 006 LAB, 12:20-13:10 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.
 33122 007 LAB, 13:25-14:15 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.
 33125 014 LAB, 17:45-18:35 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.
 33126 015 LAB, 18:50-19:40 M, Keller Hall 1-250, In Person Term Based; Jon Weissman ; 4 cr.
 34023 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Jon Weissman ; 4 cr.
 34728 887 LAB, 09:05-09:55 M, Twin Cities Remote, Completely Online; Jon Weissman ; 4 cr.

4131 Internet Programming

(Student Option; Prereq: 4061, 4211 recommended, cannot be taken for grad CSci cr)
 25683 001 LEC, 09:45-11:00 MW, Tate Hall 101, In Person Term Based; Daniel Kluever ; 3 cr.

4203 Computer Architecture

(Student Option; Prereq: 2021 or instr consent)
 24579 001 LEC, 11:15-12:30 TTh, Keller Hall 3-210, In Person Term Based; Meets With: 001 EE 4363; Antonia Zhai ; 4 cr.

4211 Introduction to Computer Networks

(Student Option; Prereq: 4061 or instr consent; basic knowledge of [computer architecture, operating systems] recommended, cannot be taken for grad CSci cr)
 24557 001 LEC, 09:45-11:00 MW, Mayo Bldg & Additions C231, In Person Term Based; David Du ; 3 cr.

4271W Development of Secure Software Systems

(A-F or Audit; Prerequisites: 3081WWI)
 26835 001 LEC, 16:00-17:15 TTh, Smith Hall 231, In Person Term Based; Stephen McCamant ; 4 cr.
 26836 002 LAB, 15:35-16:25 W, Keller Hall 1-250, In Person Term Based; Stephen McCamant ; 4 cr.
 26837 003 LAB, 16:40-17:30 W, Keller Hall 1-250, In Person Term Based; Stephen McCamant ; 4 cr.
 33127 004 LAB, 17:45-18:35 W, Keller Hall 1-250, In Person Term Based; Stephen McCamant ; 4 cr.

4511W Introduction to Artificial Intelligence

(Student Option; Prereq: 2041 or instr consentWI)
 25914 001 LEC, 16:00-17:15 MW, Vincent Hall 16, In Person Term Based; Dan Challou ; 4 cr.
 26329 002 LEC, 13:00-14:15 TTh, Anderson Hall 210, In Person Term Based; Andrew Exley ; 4 cr.

4611 Programming Interactive Computer Graphics and Games

(Student Option; Prereq: 2021 or instr consent)
 26090 001 LEC, 16:00-17:15 TTh, Tate Hall 105, In Person Term Based; Evan Suma Rosenberg ; 3 cr.

4707 Practice of Database Systems

(Student Option; Prereq: 4041 or instr consent)
 24558 001 LEC, 09:45-11:00 TTh, Tate Hall 105, In Person Term Based; Shana Watters ; 3 cr.
 26491 002 LEC, 14:30-15:45 MW, Rapson Hall 100, In Person Term Based; Yao-Yi Chiang ; 3 cr.

4921 History of Computing

(Student Option; HIS,TS)
 25992 001 LEC, 13:00-14:15 TTh, Amundson Hall 240, In Person Term Based; Meets With: 001 HSCI 4321; Honghong Tinn ; 3 cr.

4950 Senior Software Project

(A-F only; Prereq: Upper div CSci, instr consent)
 25478 001 LEC, 08:00-09:30 W, Vincent Hall 213, In Person Term Based; 3 cr.

4970W Advanced Project Laboratory

(Student Option; Prereq: Upper div CSci, 4061, instr consent; cannot be taken for grad crWI)
 24329 001 IND, 00:00-00:00 , Independent/Directed Study; 3 cr.
 24610 002 IND, 00:00-00:00 , In Person Term Based; Daniel Boley ; 3 cr.
 24611 003 IND, 00:00-00:00 , In Person Term Based; Stevie Chancellor ; 3 cr.
 24612 004 IND, 00:00-00:00 , In Person Term Based; Abhishek Chandra ; 3 cr.
 24613 005 IND, 00:00-00:00 , In Person Term Based; Yao-Yi Chiang ; 3 cr.

24614 006 IND, 00:00-00:00 , , In Person Term Based; David Du ; 3 cr.
 24615 007 IND, 00:00-00:00 , , In Person Term Based; F. Favonia ; 3 cr.
 24616 008 IND, 00:00-00:00 , , In Person Term Based; Mattia Fazzini ; 3 cr.
 24617 009 IND, 00:00-00:00 , , In Person Term Based; Maria Gini ; 3 cr.
 24618 010 IND, 00:00-00:00 , , In Person Term Based; Stephen Guy ; 3 cr.
 24619 011 IND, 00:00-00:00 , , In Person Term Based; Mats Heimdahl ; 3 cr.
 24620 012 IND, 00:00-00:00 , , In Person Term Based; Nick Hopper ; 3 cr.
 24621 013 IND, 00:00-00:00 , , In Person Term Based; Victoria Interrante ; 3 cr.
 24622 014 IND, 00:00-00:00 , , In Person Term Based; Volkan Isler ; 3 cr.
 24623 015 IND, 00:00-00:00 , , In Person Term Based; Ravi Janardan ; 3 cr.
 24624 016 IND, 00:00-00:00 , , In Person Term Based; George Karypis ; 3 cr.
 24625 017 IND, 00:00-00:00 , , In Person Term Based; Daniel Keefe ; 3 cr.
 24626 018 IND, 00:00-00:00 , , In Person Term Based; Dan Knights ; 3 cr.
 24627 019 IND, 00:00-00:00 , , In Person Term Based; Joseph Konstan ; 3 cr.
 24628 020 IND, 00:00-00:00 , , In Person Term Based; Rui Kuang ; 3 cr.
 24629 021 IND, 00:00-00:00 , , In Person Term Based; Vipin Kumar ; 3 cr.
 24630 022 IND, 00:00-00:00 , , In Person Term Based; Kangjie Lu ; 3 cr.
 24631 023 IND, 00:00-00:00 , , In Person Term Based; Stephen McCamant ; 3 cr.
 24632 024 IND, 00:00-00:00 , , In Person Term Based; Mohamed Mokbel ; 3 cr.
 24633 025 IND, 00:00-00:00 , , In Person Term Based; Chad Myers ; 3 cr.
 24634 026 IND, 00:00-00:00 , , In Person Term Based; Gopalan Nadathur ; 3 cr.
 24635 027 IND, 00:00-00:00 , , In Person Term Based; Nikolaos Papanikolopoulos ; 3 cr.
 24636 028 IND, 00:00-00:00 , , In Person Term Based; Hyun Soo Park ; 3 cr.
 24637 029 IND, 00:00-00:00 , , In Person Term Based; Feng Qian ; 3 cr.
 24638 030 IND, 00:00-00:00 , , In Person Term Based; Yousef Saad ; 3 cr.
 24639 031 IND, 00:00-00:00 , , In Person Term Based; Junaed Sattar ; 3 cr.
 24640 032 IND, 00:00-00:00 , , In Person Term Based; Paul Schrater ; 3 cr.
 24641 033 IND, 00:00-00:00 , , In Person Term Based; Shashi Shekhar ; 3 cr.
 24642 034 IND, 00:00-00:00 , , In Person Term Based; Jaideep Srivastava ; 3 cr.
 24643 035 IND, 00:00-00:00 , , In Person Term Based; Evan Suma Rosenberg ; 3 cr.
 24644 036 IND, 00:00-00:00 , , In Person Term Based; Ju Sun ; 3 cr.
 24645 037 IND, 00:00-00:00 , , In Person Term Based; Loren Terveen ; 3 cr.
 24646 038 IND, 00:00-00:00 , , In Person Term Based; Anand Tripathi ; 3 cr.
 24647 039 IND, 00:00-00:00 , , In Person Term Based; Eric Van Wyk ; 3 cr.
 24648 040 IND, 00:00-00:00 , , In Person Term Based; Jon Weissman ; 3 cr.
 25012 042 IND, 00:00-00:00 , , In Person Term Based; Pen-Chung Yew ; 3 cr.
 25013 043 IND, 00:00-00:00 , , In Person Term Based; Antonia Zhai ; 3 cr.
 25029 041 IND, 00:00-00:00 , , In Person Term Based; Lana Yarosh ; 3 cr.
 25452 044 IND, 00:00-00:00 , , In Person Term Based; Zhi-Li Zhang ; 3 cr.
 26025 045 IND, 00:00-00:00 , , In Person Term Based; Catherine Zhao ; 3 cr.
 26066 046 IND, 00:00-00:00 , , In Person Term Based; 3 cr.
 26187 047 IND, In Person Term Based; 3 cr.

5103 Operating Systems

(Student Option; Prereq: 4061 or instr consent)
 24382 001 LEC, 13:00-14:15 TTh, Mechanical Engineering 212, In Person Term Based; Abhishek Chandra ; 3 cr.
 24983 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Abhishek Chandra ; 3 cr.

5106 Programming Languages

(Student Option; Prereq: 4011 or instr consent)
 24383 001 LEC, 14:30-15:45 MW, Keller Hall 3-125, In Person Term Based; Gopalan Nadathur ; 3 cr.
 25136 883 LEC, 14:30-15:45 MW, Twin Cities Remote, Completely Online; Gopalan Nadathur ; 3 cr.

5115 User Interface Design, Implementation and Evaluation

(Student Option; Prereq: 4041 or instr consent)
 24000 001 LEC, 18:30-21:00 T, Bruininks Hall 330, Partially Online; Joseph Konstan ; 3 cr.

5204 Advanced Computer Architecture

(Student Option; Prereq: 4203 or EE 4363)
 24584 001 LEC, 09:45-11:00 TTh, Mechanical Engineering 212, In Person Term Based; Meets With: 001 EE 5364; Pen-Chung Yew ; 3 cr.
 24990 883 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Pen-Chung Yew ; 3 cr.

5211 Data Communications and Computer Networks

(Student Option; Prereq: [4061 or instr consent], basic knowledge of [computer architecture, operating systems, probability], grad student)
 26838 001 LEC, 13:00-14:15 MW, Keller Hall 3-115, In Person Term Based; David Du ; 3 cr.
 26893 883 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; David Du ; 3 cr.

5271 Introduction to Computer Security

(Student Option; Prereq: 4061 or 5103 or equiv or instr consent)
 25011 001 LEC, 14:30-15:45 MW, Keller Hall 3-210, In Person Term Based; Kangjie Lu ; 3 cr.
 26371 883 LEC, 14:30-15:45 MW, Twin Cities Remote, Completely Online; Kangjie Lu ; 3 cr.

5304 Computational Aspects of Matrix Theory

(Student Option; Prereq: 2031 or 2033 or instr consent)
 23996 001 LEC, 08:15-09:30 TTh, Keller Hall 3-125, In Person Term Based; Yousef Saad ; 3 cr.
 34117 883 LEC, 08:15-09:30 TTh, Twin Cities Remote, Completely Online; Yousef Saad ; 3 cr.

5421 Advanced Algorithms and Data Structures

(Student Option; Prereq: 4041 or instr consent)
 23994 001 LEC, 08:15-09:30 MW, Akerman Hall 319, In Person Term Based; Ravi Janardan ; 3 cr.
 24977 883 LEC, 08:15-09:30 MW, Twin Cities Remote, Completely Online; Ravi Janardan ; 3 cr.

5451 Introduction to Parallel Computing: Architectures, Algorithms, and Programming

(Student Option; Prereq: 4041 or instr consent)
 26885 001 LEC, 09:45-11:00 TTh, Mechanical Engineering 108, In Person Term Based; George Karypis ; 3 cr.
 26894 883 LEC, 09:45-11:00 MW, Twin Cities Remote, Completely Online; George Karypis ; 3 cr.

5465 Introduction to Computing for Biologists

(Student Option; Prereq: Introductory biology course; non-CSE students only.)
 26494 001 LEC, 14:30-15:45 TTh, Keller Hall 3-230, In Person Term Based; Meets With: 001 CSCI 3003; Chad Myers ; 3 cr.
 26585 883 LEC, 14:30-15:45 TTh, Twin Cities Remote, Completely Online; Chad Myers ; 3 cr.

5481 Computational Techniques for Genomics

(Student Option; Prereq: 4041 or instr consent)
 26220 001 LEC, 13:00-14:15 TTh, Keller Hall 3-230, In Person Term Based; Dan Knights ; 3 cr.
 26223 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Dan Knights ; 3 cr.

5511 Artificial Intelligence I

(Student Option; Prereq: [2041 or instr consent], grad student)
 23995 001 LEC, 16:00-17:15 MW, Mechanical Engineering 212, In Person Term Based; Maria Gini ; 3 cr.
 24980 883 LEC, 16:00-17:15 MW, Twin Cities Remote, Completely Online; Maria Gini ; 3 cr.

5521 Machine Learning Fundamentals

(Student Option; Prereq: [2031 or 2033], STAT 3021, and knowledge of partial derivatives)
 25930 001 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Catherine Zhao ; 3 cr.
 25932 883 LEC, 16:00-17:15 TTh, Twin Cities Remote, Completely Online; 3 cr.
 26309 002 LEC, 16:00-17:15 TTh, Keller Hall 3-210, In Person Term Based; Kshitij Tayal ; 3 cr.

5523 Introduction to Data Mining

(Student Option; Prereq: 4041 or equiv or instr consent)

25583 001 LEC, 11:15-12:30 MW, Tate Hall 105, In Person Term Based; Michael Steinbach ; 3 cr.

5525 Machine Learning: Analysis and Methods

(Student Option; Prereq: Grad student or instr consent)
 25666 001 LEC, 16:00-17:15 TTh, Mechanical Engineering 212, In Person Term Based; Nicholas Johnson ; 3 cr.
 25725 883 LEC, 16:00-17:15 TTh, Twin Cities Remote, Completely Online; Nicholas Johnson ; 3 cr.

5527 Deep Learning: Models, Computation, and Applications

(Student Option; Prerequisite: CSCI 5521 or equivalent Maturity in linear algebra, calculus, and basic probability is assumed. Familiarity with Python is necessary to complete the homework assignments and final project.)
 33945 001 LEC, 18:30-21:00 T, Keller Hall 3-210, In Person Term Based; Ju Sun ; 3 cr.
 33996 883 LEC, 18:30-21:00 T, Twin Cities Remote, Completely Online; Ju Sun ; 3 cr.

5541 Natural Language Processing

(Student Option; Prerequisite: CSCI 2041)
 33944 001 LEC, 16:00-17:15 TTh, Keller Hall 3-115, In Person Term Based; Andrew Exley ; 3 cr.
 34119 883 LEC, 16:00-17:15 TTh, Twin Cities Remote, Completely Online; Andrew Exley ; 3 cr.

5551 Introduction to Intelligent Robotic Systems

(Student Option; Prereq: 2031 or 2033 or instr consent)
 24559 001 LEC, 18:30-21:00 M, Twin Cities Remote, Completely Online; Nikolaos Papanikolopoulos ; 3 cr.

5561 Computer Vision

(Student Option; Prereq: CSci 5511, 5521, or instructor consent.)
 26449 001 LEC, 09:45-11:00 MW, Mechanical Engineering 108, In Person Term Based; Junaed Sattar ; 3 cr.
 26460 883 LEC, 09:45-11:00 MW, Twin Cities Remote, Completely Online; Junaed Sattar ; 3 cr.

5611 Animation & Planning in Games

(Student Option; Prereq: 4041 or 4611 or instr consent)
 26886 001 LEC, 16:00-17:15 MW, Mechanical Engineering 108, In Person Term Based; Stephen Guy ; 3 cr.
 26887 883 LEC, 16:00-17:15 MW, Twin Cities Remote, Completely Online; Stephen Guy ; 3 cr.

5619 Virtual Reality and 3D Interaction

(Student Option; Prereq: 4611 or 5607 or 5115 or equiv or instr consent)
 26221 001 LEC, 13:00-14:15 MW, Mechanical Engineering 212, In Person Term Based; Victoria Interrante ; 3 cr.
 33690 883 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Victoria Interrante ; 3 cr.

5707 Principles of Database Systems

(Student Option; Prereq: [4041 or instr consent], grad student)
 24577 001 LEC, 14:30-15:45 TTh, Mechanical Engineering 212, In Person Term Based; Jaideep Srivastava ; 3 cr.
 24971 883 LEC, 14:30-15:45 TTh, Twin Cities Remote, Completely Online; Jaideep Srivastava ; 3 cr.

5715 From GPS, Google Maps, and Uber to Spatial Data Science

(Student Option; Prereq: Familiarity with Java, C++, or Python)
 25915 001 LEC, 11:15-12:30 TTh, Mechanical Engineering 212, In Person Term Based; Shashi Shekhar ; 3 cr.
 26173 883 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Shashi Shekhar ; 3 cr.

5801 Software Engineering I

(Student Option; Prereq: 2041 or instr consent)
 24113 001 LEC, 09:45-11:00 TTh, Keller Hall 3-230, In Person Term Based; Kevin Wendt ; 3 cr.
 26839 002 LEC, 16:00-17:15 MW, Bruininks Hall 312, In Person Term Based; Sanjai Rayadurgam ; 3 cr.
 26884 883 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Kevin Wendt ; 3 cr.

5980 Special Topics in Computer Science

(Student Option; Prereq: instr consent; may be repeated for cr)
 34036 001 LEC, 09:45-11:00 TTh, Bruininks Hall 119, In Person Term Based; Dongyeop Kang ; 1-3 cr.
 34038 002 LEC, 16:00-17:15 MW, Keller Hall 3-125, In Person Term Based; Meets With: 003 CSCI 8980; Eric Van Wyk ; 1-3 cr.

34040 003 LEC, 15:35-17:30 TTh, Smith Hall 100, In Person Term Based; Meets With: 002IE 5080; Ankur Mani, Jaideep Srivastava; 1-3 cr.
 34042 004 LEC, 14:30-15:45 TTh, Keller Hall 3-125, In Person Term Based; Meets With: 004 CSCI 8980; Antonia Zhai; 1-3 cr.

5991 Independent Study

(Student Option; Prereq: instr consent; may be repeated for cr)

24259 001 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.
 24649 002 IND, 00:00-00:00 , , In Person Term Based; Daniel Boley; 1-3 cr.
 24650 003 IND, 00:00-00:00 , , In Person Term Based; Stevie Chancellor; 1-3 cr.
 24651 004 IND, 00:00-00:00 , , In Person Term Based; Abhishek Chandra; 1-3 cr.
 24652 005 IND, 00:00-00:00 , , In Person Term Based; Yao-Yi Chiang; 1-3 cr.
 24653 006 IND, 00:00-00:00 , , In Person Term Based; David Du; 1-3 cr.
 24654 007 IND, 00:00-00:00 , , In Person Term Based; F. Favonia; 1-3 cr.
 24655 008 IND, 00:00-00:00 , , In Person Term Based; Mattia Fazzini; 1-3 cr.
 24656 009 IND, 00:00-00:00 , , In Person Term Based; Maria Gini; 1-3 cr.
 24657 010 IND, 00:00-00:00 , , In Person Term Based; Stephen Guy; 1-3 cr.
 24658 011 IND, 00:00-00:00 , , In Person Term Based; Mats Heimdahl; 1-3 cr.
 24659 012 IND, 00:00-00:00 , , In Person Term Based; Nick Hopper; 1-3 cr.
 24660 013 IND, 00:00-00:00 , , In Person Term Based; Victoria Interrante; 1-3 cr.
 24661 014 IND, 00:00-00:00 , , In Person Term Based; Volkan Isler; 1-3 cr.
 24662 015 IND, 00:00-00:00 , , In Person Term Based; Ravi Janardan; 1-3 cr.
 24663 016 IND, 00:00-00:00 , , In Person Term Based; George Karypis; 1-3 cr.
 24664 017 IND, 00:00-00:00 , , In Person Term Based; Daniel Keefe; 1-3 cr.
 24665 018 IND, 00:00-00:00 , , In Person Term Based; Dan Knights; 1-3 cr.
 24666 019 IND, 00:00-00:00 , , In Person Term Based; Joseph Konstan; 1-3 cr.
 24667 020 IND, 00:00-00:00 , , In Person Term Based; Rui Kuang; 1-3 cr.
 24668 021 IND, 00:00-00:00 , , In Person Term Based; Vipin Kumar; 1-3 cr.
 24669 022 IND, 00:00-00:00 , , In Person Term Based; Kangjie Lu; 1-3 cr.
 24670 023 IND, 00:00-00:00 , , In Person Term Based; Stephen McCamant; 1-3 cr.
 24671 024 IND, 00:00-00:00 , , In Person Term Based; Mohamed Mokbel; 1-3 cr.
 24672 025 IND, 00:00-00:00 , , In Person Term Based; Chad Myers; 1-3 cr.
 24673 026 IND, 00:00-00:00 , , In Person Term Based; Gopalan Nadathur; 1-3 cr.
 24674 027 IND, 00:00-00:00 , , In Person Term Based; Nikolaos Papanikolopoulos; 1-3 cr.
 24675 028 IND, 00:00-00:00 , , In Person Term Based; Hyun Soo Park; 1-3 cr.
 24676 029 IND, 00:00-00:00 , , In Person Term Based; Feng Qian; 1-3 cr.
 24677 030 IND, 00:00-00:00 , , In Person Term Based; Yousef Saad; 1-3 cr.
 24678 031 IND, 00:00-00:00 , , In Person Term Based; Junaed Sattar; 1-3 cr.
 24679 032 IND, 00:00-00:00 , , In Person Term Based; Paul Schrater; 1-3 cr.
 24680 033 IND, 00:00-00:00 , , In Person Term Based; Shashi Shekhar; 1-3 cr.
 24681 034 IND, 00:00-00:00 , , In Person Term Based; Jaideep Srivastava; 1-3 cr.
 24682 035 IND, 00:00-00:00 , , In Person Term Based; Evan Suma Rosenberg; 1-3 cr.
 24683 036 IND, 00:00-00:00 , , In Person Term Based; Ju Sun; 1-3 cr.
 24684 037 IND, 00:00-00:00 , , In Person Term Based; Loren Terveen; 1-3 cr.
 24685 038 IND, 00:00-00:00 , , In Person Term Based; Anand Tripathi; 1-3 cr.
 24686 039 IND, 00:00-00:00 , , In Person Term Based; Eric Van Wyk; 1-3 cr.
 24687 040 IND, 00:00-00:00 , , In Person Term Based; Jon Weissman; 1-3 cr.
 25014 041 IND, 00:00-00:00 , , In Person Term Based; Lana Yarosh; 1-3 cr.
 25015 042 IND, 00:00-00:00 , , In Person Term Based; Pen-Chung Yew; 1-3 cr.
 25016 043 IND, 00:00-00:00 , , In Person Term Based; Antonia Zhai; 1-3 cr.

25453 044 IND, 00:00-00:00 , , In Person Term Based; Zhi-Li Zhang; 1-3 cr.
 26020 045 IND, 00:00-00:00 , , In Person Term Based; Catherine Zhao; 1-3 cr.
 26067 046 IND, 00:00-00:00 , , In Person Term Based; Dongyeop Kang; 1-3 cr.
 26188 047 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.
 26390 048 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.
 26611 049 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.
 26657 050 IND, 00:00-00:50 , , In Person Term Based; 1-3 cr.

5994 Directed Research

(Student Option; Prereq: instr consent; may be repeated for cr)

24260 001 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.
 24688 002 IND, 00:00-00:00 , , In Person Term Based; Daniel Boley; 1-3 cr.
 24689 003 IND, 00:00-00:00 , , In Person Term Based; Stevie Chancellor; 1-3 cr.
 24690 004 IND, 00:00-00:00 , , In Person Term Based; Abhishek Chandra; 1-3 cr.
 24691 005 IND, 00:00-00:00 , , In Person Term Based; Yao-Yi Chiang; 1-3 cr.
 24692 006 IND, 00:00-00:00 , , In Person Term Based; David Du; 1-3 cr.
 24693 007 IND, 00:00-00:00 , , In Person Term Based; F. Favonia; 1-3 cr.
 24694 008 IND, 00:00-00:00 , , In Person Term Based; Mattia Fazzini; 1-3 cr.
 24695 009 IND, 00:00-00:00 , , In Person Term Based; Maria Gini; 1-3 cr.
 24696 010 IND, 00:00-00:00 , , In Person Term Based; Stephen Guy; 1-3 cr.
 24697 011 IND, 00:00-00:00 , , In Person Term Based; Mats Heimdahl; 1-3 cr.
 24698 012 IND, 00:00-00:00 , , In Person Term Based; Nick Hopper; 1-3 cr.
 24699 013 IND, 00:00-00:00 , , In Person Term Based; Victoria Interrante; 1-3 cr.
 24700 014 IND, 00:00-00:00 , , In Person Term Based; Volkan Isler; 1-3 cr.
 24701 015 IND, 00:00-00:00 , , In Person Term Based; Ravi Janardan; 1-3 cr.
 24702 016 IND, 00:00-00:00 , , In Person Term Based; George Karypis; 1-3 cr.
 24703 017 IND, 00:00-00:00 , , In Person Term Based; Daniel Keefe; 1-3 cr.
 24704 018 IND, 00:00-00:00 , , In Person Term Based; Dan Knights; 1-3 cr.
 24705 019 IND, 00:00-00:00 , , In Person Term Based; Joseph Konstan; 1-3 cr.
 24706 020 IND, 00:00-00:00 , , In Person Term Based; Rui Kuang; 1-3 cr.
 24707 021 IND, 00:00-00:00 , , In Person Term Based; Vipin Kumar; 1-3 cr.
 24708 022 IND, 00:00-00:00 , , In Person Term Based; Kangjie Lu; 1-3 cr.
 24709 023 IND, 00:00-00:00 , , In Person Term Based; Stephen McCamant; 1-3 cr.
 24710 024 IND, 00:00-00:00 , , In Person Term Based; Mohamed Mokbel; 1-3 cr.
 24711 025 IND, 00:00-00:00 , , In Person Term Based; Chad Myers; 1-3 cr.
 24712 026 IND, 00:00-00:00 , , In Person Term Based; Gopalan Nadathur; 1-3 cr.
 24713 027 IND, 00:00-00:00 , , In Person Term Based; Nikolaos Papanikolopoulos; 1-3 cr.
 24714 028 IND, 00:00-00:00 , , In Person Term Based; Hyun Soo Park; 1-3 cr.
 24715 029 IND, 00:00-00:00 , , In Person Term Based; Feng Qian; 1-3 cr.
 24716 030 IND, 00:00-00:00 , , In Person Term Based; Yousef Saad; 1-3 cr.
 24717 031 IND, 00:00-00:00 , , In Person Term Based; Junaed Sattar; 1-3 cr.
 24718 032 IND, 00:00-00:00 , , In Person Term Based; Paul Schrater; 1-3 cr.
 24719 033 IND, 00:00-00:00 , , In Person Term Based; Shashi Shekhar; 1-3 cr.
 24720 034 IND, 00:00-00:00 , , In Person Term Based; Jaideep Srivastava; 1-3 cr.
 24721 035 IND, 00:00-00:00 , , In Person Term Based; Evan Suma Rosenberg; 1-3 cr.
 24722 036 IND, 00:00-00:00 , , In Person Term Based; Ju Sun; 1-3 cr.
 24723 037 IND, 00:00-00:00 , , In Person Term Based; Loren Terveen; 1-3 cr.
 24724 038 IND, 00:00-00:00 , , In Person Term Based; Anand Tripathi; 1-3 cr.
 24725 039 IND, 00:00-00:00 , , In Person Term Based; Eric Van Wyk; 1-3 cr.

24726 040 IND, 00:00-00:00 , , In Person Term Based; Jon Weissman; 1-3 cr.
 25017 041 IND, 00:00-00:00 , , In Person Term Based; Lana Yarosh; 1-3 cr.
 25018 042 IND, 00:00-00:00 , , In Person Term Based; Pen-Chung Yew; 1-3 cr.
 25019 043 IND, 00:00-00:00 , , In Person Term Based; Antonia Zhai; 1-3 cr.
 25454 044 IND, 00:00-00:00 , , In Person Term Based; Zhi-Li Zhang; 1-3 cr.
 26021 045 IND, 00:00-00:00 , , In Person Term Based; Catherine Zhao; 1-3 cr.
 26068 046 IND, 00:00-00:00 , , In Person Term Based; Dongyeop Kang; 1-3 cr.
 26189 047 IND, In Person Term Based; Kevin Wendt; 1-3 cr.
 26661 048 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.

5996 Curricular Practical Training

(S-N or Audit; Prereq: [CSci or CompE] major, instr consent)

24333 001 FWK, 00:00-00:00 , , In Person Term Based; Joseph Nieszner, Allison Small; 1 cr.
 24727 002 FWK, 00:00-00:00 , , In Person Term Based; Chris Dovolis; 1 cr.
 24728 003 FWK, 00:00-00:00 , , In Person Term Based; 1 cr.

5997 Curricular Practical Training

Extension

(S-N only; Prereq: [CSci or CompE] major, instr consent)

26501 001 FWK, 00:00-12:00 , , In Person Term Based; Joseph Nieszner, Allison Small; 1 cr.
 26502 002 FWK, 00:00-12:00 , , In Person Term Based; Chris Dovolis; 1 cr.

Construction Management (CMGT)

3001W Introduction to Construction

(Student Option; WI)

29896 301 LEC, Completely Online; Stephen Hauser; 3 cr.
 30058 101 LEC, 18:00-20:45 M, ONLINE BLENDED, 18:00-20:45 M, Akerman Hall 215, Partially Online; Mariaha Dean; 3 cr.

3011 Construction Plan Reading

(Student Option;)

29828 001 LEC, 18:00-21:35 T, Akerman Hall 225, In Person Term Based; Jeremiah Cunningham; 2 cr.

3024W Facility Programming and Design

(A-F or Audit; Prerequisites, but it is recommended that students have completed at least one of the following: 1. CMgt 3011 (Construction Plan Reading) or CMgt 3001/3001W (Introduction to Construction) taken before or simultaneously with this course; 2. completion of a first or second year architecture or interior design studio; 3. relevant prior experience in the facility management industry; 4. approval of the instructor. WI)
 33320 301 LEC, Completely Online; Justine Pliska; 2 cr.

4000 The Construction Industry through Time and Tomorrow

(A-F or Audit;)

31158 301 LEC, Completely Online; Brian Bowen; 2 cr.

4003 Managing with Building Information Modeling

(A-F or Audit; Prereqs: None. However, if you have no prior experience with construction, we recommend CMgt 3001 - Intro to Construction and CMgt 4021 - Construction Planning and Scheduling for knowledge of industry project delivery. Basic computer skills are required.)

30030 001 LEC, 18:00-21:35 T, Twin Cities Remote, Completely Online; Heather Kossila, Aalayha Robb; 2 cr.

4011 Construction Documents and Contracts

(Student Option; Prereq: 3001, 45 sem cr)

29827 001 LEC, 18:00-20:45 M, Akerman Hall 211, In Person Term Based; Bradley Creager; 3 cr.

4021 Construction Planning and Scheduling

(Student Option; Prereq: 3001, 3011, 45 sem cr)

29811 101 LEC, 18:00-20:45 Th, Rapson Hall 56, Partially Online; Kenneth Styrlyund, David Galetka; 3 cr.

4022 Construction Estimating

(Student Option; Prereq: 3001, 3011, 45 sem cr)
29829 301 LEC, Completely Online; Benjamin Bowman ; 3 cr.

4031 Construction Safety and Loss Control

(Student Option; Prereq: 3001, 45 sem cr)
29814 001 LEC, 18:00-20:45 W, Akerman Hall 211, In Person Term Based; Pedro Lopez ; 3 cr.

4073 Building Codes for Construction Managers

(Student Option; Prereq: 45 cr or instr consent)
29916 301 LEC, Completely Online; Scott Holm ; 1 cr.

4193 Directed Study

(Student Option; Prereq: Admitted to CMgt major or minor or certificate)
29817 401 IND, Independent/Directed Study; 1-4 cr.

4196 Construction Management Internship

(S-N only; Prereq: [[CMgt] major or minor or certificate student], [jr or sr], dept consent)
29901 401 FWK, Independent/Directed Study; A Hilger, AIA ; 1 cr.

4201 Construction Accounting

(A-F or Audit; Prereq: 3001, Acct 2050, ABUS 4101)
29912 301 LEC, Completely Online; Dwight Eithon ; 2 cr.

4304 Fire and Life Safety Principles

(A-F or Audit; Prerequisites: None)
33319 301 LEC, Completely Online; Scott Holm ; 3 cr.

4305 Health and Safety Planning and Management

(A-F or Audit; Prerequisites: None)
30064 301 LEC, Completely Online; Vickie Schleunig ; 3 cr.

4471 Sustainability for Construction Managers

(A-F or Audit;)
29951 301 LEC, Completely Online; Debra Becker ; 2 cr.

4544 Materials and Structures I

(A-F or Audit;)
29955 001 LEC, 18:00-21:35 Th, Civil Engineering Bldg 212, In Person Term Based; Morgan Kuehn ; 4 cr.

4562 Building Envelope Design and Construction

(A-F or Audit; Prereq: None, but 4542 or 4572 or professional experience recommended)
29895 301 LEC, Completely Online; Jack Rasmussen ; 2 cr.

Ctr for Spirituality/Healing (CSPH)**1000 Topics in Whole Life Wellbeing**

(Student Option;)
33589 001 LEC, 19:15-20:30 T, Twin Cities Remote, 19:15-20:30 T, Twin Cities Remote, 19:15-20:30 T, Twin Cities Remote, Completely Online; Asa Olson ; 1-4 cr.

1001 Principles of Health and Wellbeing

(Student Option;)
28912 001 LEC, Completely Online; Linda Hanson ; 2 cr.
34423 002 LEC, Completely Online; Maureen Anderson ; 2 cr.

1101 Self, Society, and Environment: An Integral Systems Approach to Personal Wellbeing and Engagement

(Student Option;)
28936 001 LEC, 16:00-17:30 W, Mayo Bldg & Additions 1250, 16:00-17:30 W, Mayo Bldg & Additions 1250, 16:00-17:30 W, Mayo Bldg & Additions 1250, 16:00-17:30 W, Mayo Bldg & Additions 1250, 16:00-17:30 W, Mayo Bldg & Additions 1250, 16:00-17:30 W, Mayo Bldg & Additions 1250, 16:00-17:30 W, Mayo Bldg & Additions 1250, Partially Online; John Miller, Sara Nystuen ; 3 cr.

1202 Music for Wellbeing in Times of Stress and Anxiety

(Student Option;)
34244 001 LEC, Completely Online; Jenzi Silverman ; 1 cr.

3001 Introduction to Integrative Healing

(Student Option; Prereq: Junior or senior undergraduates (60+ credits), or instructor consent.)

28922 001 LEC, Completely Online; Roni Evans ; 3 cr.

3101 Creating Ecosystems of Well-Being

(Student Option; Prereq: sophomore, junior or senior undergraduates (30+ credits) or instructor consent)
28920 001 LEC, Completely Online; Kate Hathaway ; 2 cr.

3201 Introduction to Mindfulness-Based Stress Reduction

(Student Option;)
28914 001 LEC, 12:20-14:15 M, Twin Cities Remote, Completely Online; Douglas Kennedy ; 2 cr.
28918 002 LEC, 09:05-11:00 T, Twin Cities Remote, Completely Online; Douglas Kennedy ; 2 cr.
28928 003 LEC, 09:05-11:00 W, Twin Cities Remote, Completely Online; Douglas Kennedy ; 2 cr.

3211 Living on Purpose: An Exploration of Self, Purpose, and Community

(Student Option; Prereq: sophomore, junior or senior undergraduates (30+ credits) or instructor consent)
28942 001 LEC, 12:30-15:30 F, Mayo Bldg B393 Meditation Rm, 12:30-15:30 F, Mayo Bldg B393 Meditation Rm, 12:30-15:30 F, Mayo Bldg B393 Meditation Rm, 12:30-15:30 F, Mayo Bldg B393 Meditation Rm, Partially Online; Greg Sawyer, Steven Cisneros ; 2 cr.

3301 Food Choices: Healing the Earth, Healing Ourselves

(Student Option; Prereq: junior or senior undergraduates (60+ credits) or instructor consent)
28939 001 LEC, Completely Online; Jennifer Breen ; 3 cr.

4311 Foundations of Hatha Yoga:

Alignment & Movement Principles
(Student Option; Prereq: KIN 3027 Human Anatomy for Kinesiology Students (or equivalent, with instructor permission). Recommended: DNCE 1331 for students with no prior yoga experience. These courses can be taken concurrently.)

28925 001 LEC, 13:30-19:30 Sa, Twin Cities Remote, 13:30-19:30 Sa, Twin Cities Remote, 13:30-19:30 Sa, Twin Cities Remote, 13:30-19:30 Sa, Twin Cities Remote, Completely Online; Katie Schuver ; 3 cr.
28926 002 LAB, 09:30-13:30 Sa, Twin Cities Remote, 09:30-13:30 Sa, Twin Cities Remote, 09:30-13:30 Sa, Twin Cities Remote, 09:30-13:30 Sa, Twin Cities Remote, Completely Online; Katie Schuver ; 3 cr.

4312 Hatha Yoga Philosophy, Lifestyle, & Ethics

(Student Option; Prereq: CSPH 4311 Foundations of Hatha Yoga: Alignment & Movement Principles. These courses can be taken concurrently.)

28929 001 LAB, 09:30-13:30 Su, Twin Cities Remote, 09:30-13:30 Su, Twin Cities Remote, 09:30-13:30 Su, Twin Cities Remote, 09:30-13:30 Su, Twin Cities Remote, Completely Online; Katie Schuver ; 3 cr.
28930 002 LEC, 13:30-19:30 Su, Twin Cities Remote, 13:30-19:30 Su, Twin Cities Remote, 13:30-19:30 Su, Twin Cities Remote, 13:30-19:30 Su, Twin Cities Remote, Completely Online; Katie Schuver ; 3 cr.

5000 Explorations in Integrative Therapies and Healing Practices

(Student Option; Prereq: Jr or sr or grad student or instr consent)
33288 001 LEC, Completely Online; Jean Larson ; 1-4 cr.

5101 Introduction to Integrative Healing Practices

(Student Option; Prereq: Jr or sr or grad student; or instructor consent)
28910 001 LEC, Completely Online; Teri Verner ; 3 cr.
28919 002 LEC, Completely Online; Teri Verner ; 3 cr.

5102 Art of Healing: Self as Healer

(Student Option; Prereq: Jr or sr or grad student or instr consent)
28941 001 LEC, 09:00-16:30 F, Mayo Bldg B393 Meditation Rm, 09:00-16:30 F, Mayo Bldg B393 Meditation Rm, Partially Online; Maureen Anderson ; 1 cr.

5111 Ways of Thinking about Health

(S-N or Audit; Prereq: jr, sr, grad, or instr consent)
32975 001 LEC, 14:30-16:10 W, Moos Health Sci Tower 2-520, In Person Term Based; Craig Hassel ; 2 cr.

5118 Whole Person, Whole Community: The Reciprocity of Wellbeing

(Student Option No Audit;)
28940 001 LEC, Completely Online; Sara Nystuen ; 3 cr.

5121 Planetary Health & Global Climate Change: A Whole Systems Healing Approach

(Student Option; Prereq: Jr or sr or grad student, or instructor consent)
29194 001 LEC, 17:30-19:30 T, Mayo Bldg & Additions 1250, 17:30-19:30 T, Mayo Bldg & Additions 1250, 17:30-19:30 T, Mayo Bldg & Additions 1250, Primarily Online; John Miller ; 2 cr.

5226 Advanced Meditation: Body, Brain, Mind, and Universe

(Student Option; Prereq: CSPH 5225, jr or sr or grad student, or instr consent)
29195 001 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.)

34076 004 LEC, 09:00-17:00 WThF, No Room Required, In Person Term Based; Gisli Kristofersson ; 2 cr.

5313 Acupressure

(Student Option No Audit;)
34078 004 LEC, 09:00-17:00 MSu, No Room Required, In Person Term Based; Megan Voss ; 1 cr.

5315 Traditional Tibetan Medicine: Ethics, Spirituality, and Healing

(Student Option; Prereq: Jr or sr or grad student or instr consent)
28923 001 LEC, Completely Online; Miriam Cameron, Tenzin Namdul ; 2 cr.

5317 Yoga: Ethics, Spirituality, and Healing

(Student Option; Prereq jr or sr or grad; or instructor consent)
28931 001 LEC, Completely Online; Katie Schuver ; 2 cr.

5341 Overview of Indigenous Hawaiian Healing

(Student Option; Prereq: Graduate students in health sciences programs, or instructor consent.)
34075 004 LEC, 09:00-17:00 WThF, No Room Required, In Person Term Based; Mary Jo Kreitzer ; 2 cr.

5343 Ayurveda Medicine: The Science of Self-healing

(Student Option;)
28921 001 LEC, Completely Online; Asavari Manvikar ; 2 cr.

5421 Botanical Medicines in Integrative Healthcare

(Student Option; Prereq: Jr or sr or grad student, or instructor consent)
28924 001 LEC, Completely Online; Amy Taylor ; 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)**

28927 001 LEC, Completely Online; Andrew Litchy ; 2 cr.

5503 Aromatherapy Fundamentals**(Student Option; Prereq: Jr or Sr or Grad, or Inst consent)**

34077 004 LEC, 09:00-17:00 MSu, No Room Required, In Person Term Based; Janet Tomaino ; 1 cr.

5535 Reiki Healing**(S-N only; Prereq: Jr or sr or grad student or instr consent)**

32976 001 LEC, 09:00-17:00 Sa, Twin Cities Remote, 09:00-17:00 Sa, Twin Cities Remote, Completely Online; Deborah Ringdahl ; 1 cr.

34079 004 LEC, 09:00-17:00 MSu, No Room Required, In Person Term Based; Deborah Ringdahl ; 1 cr.

5536 Advanced Reiki Healing: Level II**(S-N only; Prereq: CSPH 5535 or instr consent. Students must wait 4-6 months after taking CSPH 5535 before taking CSPH 5536.)**

29201 001 LEC, 09:00-17:00 Sa, Twin Cities Remote, 09:00-17:00 Sa, Twin Cities Remote, Completely Online; Deborah Ringdahl ; 1 cr.

34083 004 LEC, 09:00-17:00 WTh, No Room Required, In Person Term Based; Deborah Ringdahl ; 1 cr.

5541 Emotional Healing and Happiness: Eastern and Western Approaches to Transforming the Mind**(Student Option; Prereq: Jr, Sr or grad student, or instructor consent)**

32977 001 LEC, 13:00-16:30 W, Twin Cities Remote, 13:00-16:30 W, Twin Cities Remote, 18:00-20:30 F, Twin Cities Remote, 09:00-17:00 Sa, Twin Cities Remote, 13:00-16:30 W, Twin Cities Remote, 13:00-16:30 W, Twin Cities Remote, 13:00-16:30 W, Twin Cities Remote, Completely Online; Merrisa Young ; 2 cr.

5561 Overview of the Creative Arts in Health and Healing**(Student Option; Prereq: Jr or sr or grad student)**

29198 001 LEC, Completely Online; Jenzi Silverman ; 2 cr.

5631 Healing Imagery I**(Student Option; Prereq: Jr or Sr or Grad, or instructor consent)**

34080 003 LEC, 09:00-17:00 MSu, No Room Required, In Person Term Based; Susan Thompson ; 2 cr.

34081 004 LEC, 09:00-17:00 WTh, No Room Required, In Person Term Based; Susan Thompson ; 2 cr.

5642 Nature Heals: An Introduction to Nature-Based Therapeutics**(Student Option; Prereq: Jr, Sr or Grad, or instructor consent)**

32978 001 LEC, Completely Online; Jean Larson ; 3 cr.

5703 Advanced Health Coaching Practicum**(A-F only; Prereq: Admission to the Post-Baccalaureate Certificate in Integrative Therapies and Healing Practices--Health Coaching track; or, Masters of Arts in Integrative Health and Wellbeing Coaching. CSPH 5701, 5702, 5706, 5707.)**

28915 001 LEC, 16:00-21:00 Th, Twin Cities Remote, 16:00-21:00 Th, Twin Cities Remote, 17:30-21:00 W, Twin Cities Remote, 17:30-21:00 W, Twin Cities Remote, 16:00-21:00 Th, Twin Cities Remote, 16:00-21:00 Th, Twin Cities Remote, Completely Online; Kelly Paisar, Erin Erickson ; 3 cr.

5704 Business of Health Coaching**(A-F only; Prereq: Admission to the Post-Baccalaureate Certificate in Integrative Therapies and Healing Practices--Health Coaching track; or, Masters of Arts in Integrated Health and Wellbeing Coaching program or instructor permission; CSPH 5701, 5702, 5706, 5707)**

28916 001 LEC, 18:00-20:30 M, Twin Cities Remote, 18:00-20:30 M, Twin Cities Remote, 18:00-19:30 M, Twin Cities Remote, 09:00-16:30 F, Twin Cities Remote, Completely Online; Cherie Kroh, Theresa Nutt ; 2 cr.

5706 Lifestyle Medicine**(Student Option; Prereq: jr or sr or grad, or instr consent)**

28932 001 LEC, Completely Online; Andrew Litchy ; 2 cr.

5711 Optimal Healing Environments**(Student Option; Prereq: Jr or sr or grad student or instr consent)**

28917 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.

5805 Wellbeing in the Workplace**(Student Option No Audit; Prereq: jr or sr or grad, or instructor consent)**

28933 001 LEC, Completely Online; Brandon Sullivan ; 3 cr.

5806 Wellbeing and Resiliency for Health Professionals**(Student Option; Prereq: jr or sr or grad, or instructor consent)**28934 001 LEC, Completely Online; Kate Hathaway ; 1 cr.
34082 004 LEC, 09:00-17:00 WTh, No Room Required, In Person Term Based; Megan Voss ; 1 cr.**5807 Mindfulness in the Workplace: Pause, Practice, Perform****(Student Option; Prereq jr or sr or grad, or instructor consent)**

28935 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)**

34882 002 LEC, 17:00-19:30 M, Twin Cities Remote, Completely Online; Jennifer Breen, Kate Shafto ; 1 cr.

Cultural Stdy/Comparative Lit (CSCL)**1001W Introduction to Cultural Studies****(Student Option; AH,WI,DSJ)**

17873 001 LEC, 09:45-11:00 TTh, Tate Hall B50, In Person Term Based; Courtney Gildersleeve ; 3 cr.

1101W Literature**(Student Option; LITR,WI)**

18199 001 LEC, 12:45-14:00 TTh, Twin Cities Remote, Completely Online; Shaden Tageldin ; 3 cr.

1201V Honors Course: Cinema**(Student Option; AH,WI)**

21589 001 DIS, 14:30-17:30 W, Ford Hall B15, In Person Term Based; Meets With: 001 SCMC 1201V; Michelle Lekas ; 4 cr.

1201W Cinema**(Student Option; AH,WI)**

20201 001 LEC, 11:15-14:15 T, Blegen Hall 5, In Person Term Based; Meets With: 001 SCMC 1201W; Michelle Lekas ; 4 cr.

20250 002 DIS, 09:05-09:55 T, Ford Hall 150, In Person Term Based; Meets With: 002 SCMC 1201W; Zosha Winegar-Schultz ; 4 cr.

20251 003 DIS, 09:05-09:55 W, Kolthoff Hall 138, In Person Term Based; Meets With: 003 SCMC 1201W; Brian Tebbitt ; 4 cr.

20252 004 DIS, 10:10-11:00 W, Amundson Hall 156, In Person Term Based; Meets With: 004 SCMC 1201W; Zosha Winegar-Schultz ; 4 cr.

20253 005 DIS, 11:15-12:05 W, Amundson Hall 156, In Person Term Based; Meets With: 005 SCMC 1201W; Zosha Winegar-Schultz ; 4 cr.

20402 006 DIS, 10:10-11:00 Th, Bruininks Hall 117, In Person Term Based; Meets With: 006 SCMC 1201W; Ansel Arnold ; 4 cr.

34136 007 DIS, 11:15-12:05 Th, Appleby Hall 219, In Person Term Based; Ansel Arnold ; 4 cr.

1202W Media: Word, Image, Sound**(Student Option; AH,WI,TS)**

20234 001 LEC, 13:00-14:15 TTh, Rapson Hall 100, In Person Term Based; Meets With: 001 SCMC 1202W; Matthew Henseler ; 4 cr.

20235 003 DIS, 10:10-11:00 M, Kolthoff Hall 135, In Person Term Based; Meets With: 003 SCMC 1202W; Clare Harmon ; 4 cr.

20236 004 DIS, 10:10-11:00 W, Kolthoff Hall 135, In Person Term Based; Meets With: 004 SCMC 1202W; Leif Turner ; 4 cr.

20403 002 DIS, 09:05-09:55 M, Kolthoff Hall 135, In Person Term Based; Meets With: 002 SCMC 1202W; Clare Harmon ; 4 cr.

20404 005 DIS, 09:05-09:55 W, Burton Hall 123, In Person Term Based; Meets With: 005 SCMC 1202W; Leif Turner ; 4 cr.

21101 006 DIS, 10:10-11:00 F, Kolthoff Hall 135, In Person Term Based; Meets With: 006 SCMC 1202W; Leif Turner ; 4 cr.

1301W Reading Culture: Theory and Practice**(Student Option; AH,WI)**

19891 001 LEC, 11:15-13:00 TTh, Kolthoff Hall 136, In Person Term Based; Matthew Hadley ; 3 cr.

19892 002 LEC, 14:30-15:45 TTh, Bruininks Hall 144, In Person Term Based; Heidar Azodanloo ; 3 cr.

34184 003 LEC, 09:45-11:00 MW, Ford Hall B10, In Person Term Based; Daniel Aufmann ; 3 cr.

34185 004 LEC, 11:15-13:45 M, Hubert H. Humphrey School 184, In Person Term Based; MT MT ; 3 cr.

1401W Reading Literature: Theory and Practice**(Student Option; LITR,WI)**

19446 001 LEC, 10:10-11:00 MWF, Ford Hall 150, In Person Term Based; Emily Oliver ; 3 cr.

19447 002 LEC, 16:00-17:15 MW, Twin Cities Remote, Completely Online; Mitchell Hernandez ; 3 cr.

19448 003 LEC, 14:30-15:45 TTh, Ford Hall 150, In Person Term Based; Paulomi Sharma ; 3 cr.

19898 004 LEC, 18:20-20:50 W, Folwell Hall 31, In Person Term Based; Jeremy Meckler ; 3 cr.

1501W Reading History: Theory and Practice**(Student Option; HIS,WI)**

18399 001 LEC, 11:15-12:30 TTh, Scott Hall 4, In Person Term Based; Lucas Martin ; 3 cr.

19503 002 LEC, 11:15-12:30 MW, Ford Hall 150, In Person Term Based; Kyle Baasch ; 3 cr.

1914W What is a Poem?**(A-F only; WI)**

33728 001 DIS, 16:00-17:15 TTh, Nicholson Hall 325, In Person Term Based; Cesare Casarino ; 3 cr.

3005 Seminar in Critical Thought**(A-F only;)**

20747 001 LEC, 17:00-19:30 W, Bruininks Hall 117, In Person Term Based; Tony C. Brown ; 3 cr.

3122 Movements and Manifestos**(Student Option; LITR)**

21532 001 LEC, 14:30-15:45 TTh, Nicholson Hall 120, In Person Term Based; Courtney Gildersleeve ; 3 cr.

3130W Colonial and Postcolonial Literatures and Theory: 1700 to the Present**(Student Option; GP,WI,LITR)**

21103 001 LEC, 09:45-11:00 MW, Nicholson Hall 335, In Person Term Based; Christian Uwe ; 3 cr.

3141 Classics of World Literature**(A-F only; LITR)**

21241 001 LEC, 09:45-11:00 MW, Nicholson Hall 145, In Person Term Based; Nicholas Henderson ; 3 cr.

3212W Documentary Cinema: History and Politics**(Student Option; AH,WI,CIV)**

21533 001 LEC, 14:30-17:30 M, Elliott Hall N119, In Person Term Based; Meets With: 001 SCMC 3212W; Brad Stiffler ; 4 cr.

3220W Screen Cultures**(Student Option; AH,WI,TS)**

21534 001 LEC, 09:45-12:15 F, Nicholson Hall 125, In Person Term Based; Meets With: 001 SCMC 3220W; Cory Stockwell ; 3 cr.

3221 On Television**(Student Option; CIV)**

21165 001 LEC, Completely Online; Meets With: 001 SCMC 3221; Eva Hudecova ; 3 cr.

3231 Comedy: Media, Politics & Society**(Student Option; AH)**

21106 001 LEC, 11:15-12:30 TTh, Nicholson Hall 125, In Person Term Based; Margaret Hennefeld ; 3 cr.

3251 Popular Music and Mass Culture**(Student Option; AH)**

20655 001 LEC, 11:15-12:30 MW, Nicholson Hall 110, In Person Term Based; Matthew Henseler ; 3 cr.

3334 Monsters, Robots, Cyborgs**(Student Option; LITR)**

18722 001 LEC, 13:00-14:15 TTh, Tate Hall B20, In Person Term Based; Matthew Hadley ; 3 cr.

3335 Aliens: Science Fiction to Social Theory**(Student Option; DSJ)**

19901 001 LEC, 13:00-14:15 MW, Amundson Hall 124, In Person Term Based; Matthew Hadley ; 3 cr.

3350W Sexuality and Culture**(Student Option; DSJ,WI)**

21148 001 LEC, 11:15-12:30 MW, Nicholson Hall 125, In Person Term Based; Thomas David ; 3 cr.

3412W Psychoanalysis**(Student Option; WI)**

21107 001 LEC, 11:15-12:30 MW, Nicholson Hall 335, In Person Term Based; Michelle Lekas ; 3 cr.

3896 Internship for Academic Credit**(Student Option;)**

21152 001 FWK, In Person Term Based; Graeme Stout ; 1-4 cr.

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

18762 001 IND, 00:00-00:00 , , In Person Term Based; ; 1-3 cr.

4993 Directed Study**(A-F or Audit;)**

19769 001 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.

5910 Topics in Cultural Studies and Comparative Literature**(Student Option;)**

34165 001 DIS, 14:30-15:45 TTh, Nicholson Hall 135, In Person Term Based; Margaret Hennefeld, Emily Winderman ; 3-4 cr.

34322 002 DIS, 14:00-16:30 M, Nicholson Hall 135, In Person Term Based; Meets With: 001 SLAV 3900001 SLAV 5900; Alice Lovejoy ; 3-4 cr.

5993 Directed Study**(Student Option; Prereq:instr consent, dept consent, college consent.)**

18209 001 IND, 00:00-00:00 , , In Person Term Based; Cesare Casarino ; 1-3 cr.

Curriculum and Instruction (CI)**1001 Introduction to the Elementary School****(A-F or Audit;)**

16332 001 LEC, 09:45-11:00 TTh, Peik Hall 385, In Person Term Based; Tracy Hamel ; 3 cr.

16371 002 LEC, 11:15-12:30 TTh, Peik Hall 385, In Person Term Based; Jeff Henning-Smith ; 3 cr.

16701 003 LEC, 12:45-14:00 TTh, Peik Hall 315, In Person Term Based; Ramon Vasquez ; 3 cr.

1032 Creating Identities: Learning In and Through the Arts**(Student Option; AH)**

17227 001 LAB, 13:25-15:20 MW, Appleby Hall 201, In Person Term Based; Betsy Maloney Leaf ; 4 cr.

17229 002 LAB, 11:15-13:10 WF, Peik Hall 40, In Person Term Based; Heather Delisle ; 4 cr.

17230 003 LAB, 11:15-13:10 TTh, Appleby Hall 201, In Person Term Based; Linda Buturian ; 4 cr.

17231 004 LAB, 13:25-15:20 TTh, Appleby Hall 201, In Person Term Based; Emily Jane Burnley ; 4 cr.

17517 005 LAB, 09:05-11:00 MW, Appleby Hall 201, In Person Term Based; Wendy Friedmeyer ; 4 cr.

1121 Educational Movements Past and Present: Multicultural Perspectives**(Student Option; DSJ,HIS)**

17189 002 LEC, 13:25-15:20 MW, Bruininks Hall 530B, In Person Term Based; Robert Poch ; 4 cr.

17529 003 LEC, 12:20-14:15 TTh, Peik Hall 325, In Person Term Based; Robert Poch ; 4 cr.

1124 Global Stories of Education: Literature for Young Adults**(Student Option; GP,LITR)**

17232 001 DIS, 09:45-11:00 MW, Peik Hall 365, In Person Term Based; Eva Barr ; 3 cr.

17233 002 DIS, 13:00-14:15 MW, Peik Hall 325, In Person Term Based; Abby Boehm-Turner ; 3 cr.

17234 003 DIS, 14:30-15:45 MW, Peik Hall 325, In Person Term Based; Abby Boehm-Turner ; 3 cr.

17261 004 DIS, 09:45-11:00 TTh, Appleby Hall 201, In Person Term Based; Linda Buturian ; 3 cr.

17332 005 DIS, 11:15-12:30 TTh, Peik Hall 155, In Person Term Based; Eva Barr ; 3 cr.

17353 006 DIS, 13:00-14:15 TTh, Peik Hall 365, In Person Term Based; Marika Belusa ; 3 cr.

1512 Nature in the City**(Student Option; BIOL,ENV)**

17272 001 LAB, 12:20-16:10 MW, Peik Hall 365, In Person Term Based; 4 cr.

17273 002 LAB, 12:20-16:10 TTh, Peik Hall 355, In Person Term Based; 4 cr.

1563 Physics by Inquiry**(Student Option; PHYS)**

17267 001 LAB, 14:30-16:25 MW, Bruininks Hall 131B, In Person Term Based; Daniel Voss ; 4 cr.

17354 002 LAB, 16:40-20:15 M, Bruininks Hall 131B, In Person Term Based; Travis Churchward ; 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)**

17197 001 LEC, 11:15-12:30 MW, Peik Hall 335, In Person Term Based; Sophie Kasahara ; 3 cr.

17199 002 LEC, 13:00-14:15 MW, Peik Hall 215, In Person Term Based; Jialu Fan ; 3 cr.

17200 003 LEC, 11:15-12:30 TTh, Peik Hall 375, In Person Term Based; Amber Armstrong ; 3 cr.

1826 Social Change, Social Justice: An Introduction to Applied Calculus**(Student Option; Prerequisites: four years high school math OR grade of at least B+ in CI 0832 or PSTL 0732 OR placement test score OR instructor consent. MATH)**

17357 001 LEC, 14:30-15:45 MW, Peik Hall 375, In Person Term Based; Susan Staats ; 3 cr.

1871 Computer Literacy and Problem Solving**(Student Option;)**

17201 001 LAB, Completely Online; Douglas Robertson ; 4 cr.

17202 002 LAB, Completely Online; Douglas Robertson ; 4 cr.

17203 003 LAB, Completely Online; Douglas Robertson ; 4 cr.

17228 004 LAB, Completely Online; Douglas Robertson ; 4 cr.

1908W Children and Other Talking**Animals: Animal Tales in (Mostly)****Children's Literature****(Student Option; CIV,WI)**

33832 001 LEC, 09:45-11:00 TTh, Peik Hall 325, In Person Term Based; Marek Oziewicz ; 3 cr.

2311W Introduction to Technology and Ethics in Society**(Student Option; CIV,WI)**

16859 001 LEC, Completely Online; Robert Kreml ; 3 cr.

16860 002 LEC, Completely Online; Robert Kreml ; 3 cr.

17585 003 LEC, Completely Online; Robert Kreml ; 3 cr.

2312 Sex, Drugs, and the Internet:**Educational Perspectives****(A-F only;)**

16864 001 DIS, Completely Online; Angelica Pazurek ; 3 cr.

3001 Engaged Arts Learning in Elementary Classrooms**(A-F or Audit;)**

16842 001 LAB, 09:05-11:00 T, Peik Hall 40, In Person Term Based; Emily Jane Burnley ; 2 cr.

16843 002 LAB, 09:05-11:00 F, Peik Hall 40, In Person Term Based; Heather Delisle ; 2 cr.

3101 Issues in Urban Education**(Student Option;)**

17274 001 LEC, 12:20-14:15 WF, Burton Hall 123, In Person Term Based; Kassandra Chhay ; 3 cr.

3211 Introduction to Elementary Teaching**(A-F only; Prereq: [Elementary ed or early childhood ed foundations major], concurrent practicum experience)**

16844 001 DIS, 08:30-11:00 T, Peik Hall 48, In Person Term Based; Cynthia Zwicky ; 3 cr.

16845 002 DIS, 11:15-13:45 T, Peik Hall 48, In Person Term Based; Cynthia Zwicky ; 3 cr.

3212 Field Experience: Elementary Teaching**(S-N only; Prereq: concurrent registration is required (or allowed) in 5111, [elementary education foundations or early childhood foundations] major)**

16815 001 FWK, 08:00-12:00 WF, No Room Required, In Person Term Based; Cynthia Zwicky ; 2 cr.

3283 Field Experience in Special Education**(S-N only; Prereq: concurrent registration is required (or allowed) in EDPSY 5613, concurrent registration is required (or allowed) in EDPSY 5616, elementary education: foundations major)**

16846 001 FWK, 08:00-12:00 TTh, No Room Required, In Person Term Based; Cynthia Zwicky ; 2 cr.

3342 Social Media & Connected Learning**(A-F only;)**

17408 001 DIS, Completely Online; Rukmini Manasa Avadhanam ; 3 cr.

3401W Diversity in Children's Literature**(A-F or Audit; WI)**

16770 002 LEC, 12:20-14:50 W, Peik Hall 48, In Person Term Based; Marek Oziewicz ; 3 cr.

16771 003 LEC, 15:35-18:15 W, Peik Hall 385, In Person Term Based; Kirsten Hunt ; 3 cr.

3610 Linguistics for Teachers**(A-F only; SOCS)**

16893 001 LEC, 09:45-11:00 MW, Peik Hall 335, In Person Term Based; Tetiana Holovatenko ; 3 cr.

16894 002 LEC, 14:30-15:45 MW, Peik Hall 335, In Person Term Based; Margaret Buchanan ; 3 cr.

17078 003 LEC, 09:45-11:00 TTh, Peik Hall 335, In Person Term Based; Kendall King ; 3 cr.

3611W Basics in Teaching English as a**Second Language****(Student Option No Audit; Prereq: Have studied another language.WI)**

17028 001 LEC, 14:30-16:25 MW, Kolthoff Hall 137, In Person Term Based; Julia Bach ; 4 cr.

17029 002 LEC, 10:10-12:05 TTh, Peik Hall 25, In Person Term Based; Julia Bach ; 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)**

17030 001 LEC, 10:10-12:05 MW, Peik Hall 375, In Person Term Based; Ashraf Mohammad ; 4 cr.

17077 002 LEC, 13:25-15:20 TTh, Anderson Hall 270, In Person Term Based; Angelina Momanyi ; 4 cr.

3613 Intercultural Communication and English Language Teaching**(Student Option No Audit;)**

17031 001 LEC, 13:00-14:15 MW, Wulling Hall 220, In Person Term Based; Mabindra Regmi ; 3 cr.

17289 002 LEC, 11:15-12:30 TTh, Wulling Hall 220, In Person Term Based; Mabindra Regmi ; 3 cr.

3901 Exploring the Teaching Profession I**(A-F only; Prereq: DirecTrack to Teaching program or department consent)**

16229 001 LEC, 16:00-19:00 T, Peik Hall 155, 16:00-19:00 T, Peik Hall 155, 16:00-19:00 T, Peik Hall 155, 16:00-19:00 T, Peik Hall 155, 16:00-19:00 T, Peik Hall 155, 16:00-19:00 T, Peik Hall 155, In Person Term Based; Jehanne Beaton ; 2 cr.

17134 002 LEC, 13:00-15:00 M, Burton Hall 123, In Person Term Based; Jehanne Beaton ; 2 cr.

17765 003 LEC, In Person Term Based; 2 cr.

3993 Directed Study: Curriculum and Instruction**(Student Option No Audit; Prereq: instr consent.)**

17454 001 IND, In Person Term Based; 1-6 cr.

17520 002 IND, In Person Term Based; 1-6 cr.

4121 Culture Power and Education**(A-F only; DSJ)**

17157 001 DIS, 08:30-11:00 M, Peik Hall 46, In Person Term Based; Bisola Wald ; 3 cr.

17316 002 DIS, 08:30-11:00 Th, Peik Hall 46, In Person Term Based; Ngan Nguyen ; 3 cr.

17455 003 DIS, 08:30-11:00 Th, Peik Hall 48, In Person Term Based; Shakita Thomas ; 3 cr.

16826 001 DIS, In Person Term Based; Kay Rosheim ; 3 cr.
16827 002 DIS, In Person Term Based; Casey Norton ; 3 cr.
16878 003 DIS, In Person Term Based; Lindsay Robinson ; 3 cr.

5441 Teaching Literature in the Secondary School

(A-F or Audit;)
17589 001 LEC, 09:05-11:45 M, Peik Hall 40, In Person Term Based; Justin Grinage ; 2-3 cr.

5451 Teaching Reading in Middle and Secondary Grades

(A-F or Audit;)
17025 001 LEC, 09:05-11:45 W, Peik Hall 48, In Person Term Based; Anna Taylor ; 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])

16707 001 LEC, Completely Online; Laurie Hahn Ganser, Stephanie Rollag Yoon ; 1-2 cr.

5464 The Politics of Literacy and Race in Schools

(A-F or Audit;)
33840 001 DIS, 16:40-19:20 M, Peik Hall 215, In Person Term Based; Timothy Lensmire ; 3 cr.

5471 Clinical Experience in Teaching Secondary English

(A-F only; Prereq: Must register same semester as CI 5441 and CI 5451.)

17177 001 FWK, 10:10-13:10 F, Peik Hall 325, 08:00-16:00 ThF, No Room Required, In Person Term Based; Abby Boehm-Turner ; 3 cr.

5472 Teaching Critical Media Analysis in Schools

(A-F or Audit;)
17264 001 LEC, Completely Online; Laurie Hahn Ganser ; 3 cr.

5502 Science Instruction in the Elementary Grades

(A-F or Audit; Prereq: Early Childhood or Elementary Education ILP)

16895 001 LEC, In Person Term Based; Barbara Billington ; 3 cr.

16896 002 LEC, In Person Term Based; Barbara Billington ; 3 cr.

16897 003 LEC, In Person Term Based; Barbara Billington ; 3 cr.

5531 Secondary Science Methods II

(A-F or Audit; Prereq: Initial licensure student in science ed and CI 5530 Secondary Science Methods 1)

16314 001 DIS, 14:30-16:30 TTh, Lrng & Environmental Sci 139B, In Person Term Based; Barbara Billington ; 3 cr.

5535 Foundations of Science Education

(A-F or Audit; Prereq: M.Ed., grad student, or instr consent)

17749 001 LEC, Completely Online; 3 cr.

5541 Teaching History and Nature of Science

(A-F or Audit; Prereq: MEd ILP or professional studies student in science education or instr consent)

17010 001 LEC, 16:40-19:20 Th, Lrng & Environmental Sci 139A, In Person Term Based; Stefanie Marshall ; 3 cr.

5551 Reflecting on Science Classroom Practices I

(A-F only;)
17166 001 DIS, Completely Online; Gillian Roehrig ; 1.5 cr.

5596 Clinical Experience in Middle School Science

(A-F or Audit;)
16315 001 LEC, In Person Term Based; Barbara Billington ; 4 cr.

5611 Principles of Linguistics

(A-F only;)
17472 200 LEC, 18:30-20:30 Th, Nicholson Hall 355, 09:00-15:00 Sa, Nicholson Hall 355, Partially Online;

Caroline Maguire, Jennifer Clifden, Jana Hilleren Bassett ; 2 cr.

5617 Academic Language and English Learners I

(A-F only; Prereq: Enrolled in teacher initial licensure program)

17640 001 FWK, 17:00-20:00 W, Peik Hall 225, Primarily Online; Angelina Momanyi ; 1 cr.

17641 002 FWK, 17:00-20:00 W, Peik Hall 335, Primarily Online; Angelina Momanyi ; 1 cr.

17642 003 FWK, 17:00-20:00 W, Peik Hall 335, Primarily Online; Christopher Sanville ; 1 cr.

17643 004 FWK, 17:00-20:00 W, Peik Hall 335, Primarily Online; Angelina Momanyi ; 1 cr.

17644 005 FWK, 17:00-20:00 W, Peik Hall 155, Primarily Online; Karla Stone ; 1 cr.

5620 Introduction to Second Language Acquisition for Language Teachers

(Student Option;)
33227 001 LEC, 16:40-19:20 M, Peik Hall 325, In Person Term Based; Margaret Buchanan ; 3 cr.

5622 Exploring Learner Language: Puzzles and Tools for the Classroom

(Student Option No Audit;)
34662 200 DIS, Partially Online; Caroline Maguire ; 2 cr.

5631 Second Language Curriculum Development and Assessment

(A-F or Audit; Prereq: SLE initial licensure only)
16299 001 LEC, 13:25-16:25 Th, Peik Hall 48, In Person Term Based; Karla Stone ; 1-3 cr.

5632 Literacy and Language Development in Second Language Classrooms

(A-F or Audit; Prereq: SLE initial licensure only)
16300 001 LEC, 13:25-16:25 T, Kolthoff Hall 138, In Person Term Based; Samuel David ; 3 cr.

5645 Teaching English Learners in English-medium classrooms

(A-F only; Prereq: Early Childhood or Elementary Education ILP or Special Education Major or Special Education M.Ed./M.A candidates)

17730 001 DIS, In Person Term Based; Blanca Caldas Chumbes ; 3 cr.

17731 002 DIS, In Person Term Based; Fernando Gonzalez Lesniak ; 3 cr.

17732 003 DIS, In Person Term Based; Fernando Gonzalez Lesniak ; 3 cr.

17739 005 DIS, 16:40-19:20 Th, Peik Hall 325, In Person Term Based; Christopher Sanville ; 3 cr.

5646 English Grammar for ESL Teachers

(Student Option; Prereq: LING 5001 or instr consent)

16430 001 LEC, 13:25-16:25 M, Peik Hall 46, In Person Term Based; Kendall King ; 3 cr.

5651 Foundations of Second Languages and Cultures Education

(A-F or Audit;)
33229 001 LEC, 16:40-19:20 Th, Peik Hall 315, In Person Term Based; Blanca Caldas Chumbes ; 3 cr.

5656 Teaching Literacy in Second Language Classrooms

(Student Option No Audit;)
16440 001 LEC, 16:40-19:20 W, Wulling Hall 240, In Person Term Based; Samuel David ; 3 cr.

5658 Language Testing and Assessment

(A-F or Audit;)
17592 001 LEC, 16:40-19:20 T, Peik Hall 315, In Person Term Based; Karla Stone ; 3 cr.

5693 Directed Study in Second Language Education

(Student Option; Prereq: instr consent)
16295 001 LEC, In Person Term Based; Kendall King, Martha Bigelow, Mary Hermes, Blanca Caldas Chumbes, Samuel David ; 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.)
16673 001 LEC, Independent/Directed Study; 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.)

16316 001 FWK, In Person Term Based; Aracely Thomas ; 2-6 cr.

5699 Clinical Experiences in Second Languages

(A-F or Audit; Prereq: SLC initial licensure program only)

16317 001 FWK, 13:25-16:25 W, Peik Hall 40, In Person Term Based; Aracely Thomas ; 3-12 cr.

5702 Social Studies Instruction in the Elementary Grades

(A-F only; Prereq: Early Childhood or Elementary Education ILP)

16898 001 LEC, In Person Term Based; Jeff Henning-Smith ; 3 cr.

16899 002 LEC, In Person Term Based; Jana LoBello Miller ; 3 cr.

16900 003 LEC, In Person Term Based; Scott Sundstrom ; 3 cr.

5742 Advanced Methods of Teaching the Social Studies

(A-F only; Prereq: Secondary social studies initial licensure student)

17194 001 LEC, 13:25-15:55 Th, Peik Hall 46, In Person Term Based; Jehanne Beaton ; 3 cr.

5745 Engaging Youth With Social Studies Texts

(A-F only;)
16963 001 DIS, 13:25-15:55 T, Folwell Hall 119, In Person Term Based; Scott Sundstrom ; 3 cr.

5782 Clinical Experiences in Teaching Social Studies

(S-N or Audit; Prereq: MEd/initial licensure student)
16364 001 FWK, In Person Term Based; J.B. Mayo, Robert Poch ; 1-8 cr.

5822 Mathematics Instruction in the Elementary Grades

(A-F or Audit; Prereq: Early Childhood or Elementary Education ILP)

16901 001 LEC, In Person Term Based; Terrence Wyberg ; 3 cr.

16902 002 LEC, In Person Term Based; Terrence Wyberg ; 3 cr.

16903 003 LEC, In Person Term Based; Terrence Wyberg ; 3 cr.

17251 004 LEC, In Person Term Based; Terrence Wyberg ; 3 cr.

5980 Clinical Experiences for K-12 Teaching

(Student Option;)
17307 300 FWK, Partially Online; Stephanie Owen ; 1-4 cr.
17381 200 LEC, Partially Online; 1-4 cr.
17438 201 FWK, Partially Online; Jennifer Clifden ; 1-4 cr.
34661 202 FWK, In Person Term Based; Amy Patnoe ; 1-4 cr.

5981 Introduction to Equity-Based Pedagogy

(A-F only;)
17382 200 LEC, Partially Online; Peng Nelson ; 1 cr.

5984 Planning Design and Management

(A-F only;)
17409 200 LEC, Partially Online; Jade Beauclair ; 1 cr.

5985 Academic Language and English Learners in the Content Areas

(A-F only;)
17593 300 LEC, Partially Online; Alex Giraldo ; 1 cr.

Dakota (DAKO)

1121 Beginning Dakota I

(Student Option;)
19197 001 LEC, 13:30-14:20 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 DAKO 4121; Sisoka Duta ; 5 cr.
21222 301 LEC, 11:15-12:05 MTWThF, Nicholson Hall 145, In Person Term Based; Meets With: 301 DAKO 4121; Sisoka Duta ; 5 cr.

34496 302 LEC, 18:00-18:45 MTWTh, Twin Cities Remote, Completely Online; Meets With: 302 DAKO 4121; Sisoka Duta ; 5 cr.

3123 Intermediate Dakota I

(Student Option; Prereq: 1122)
19198 001 LEC, 15:35-16:25 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 DAKO 4123; Sisoka Duta ; 5 cr.

3125 Introduction to Dakota Linguistics

(Student Option; Prereq: 3124)
19402 001 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Neil McKay ; 3 cr.

4121 Beginning Dakota I

(Student Option; Prereq: [1122, 1004] in another language or passing score on LPE or grad student)
20516 001 LEC, 13:30-14:20 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 DAKO 1121; Sisoka Duta ; 3 cr.
21351 301 LEC, 11:15-12:05 MTWThF, Nicholson Hall 145, In Person Term Based; Meets With: 301 DAKO 1121; Sisoka Duta ; 3 cr.
34497 302 LEC, 18:00-18:45 MTWTh, Twin Cities Remote, Completely Online; Meets With: 302 DAKO 1121; Sisoka Duta ; 3 cr.

4123 Intermediate Dakota I

(Student Option; Prereq: 1121, 3123, 5126)
20517 001 LEC, 15:35-16:25 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 DAKO 3123; Sisoka Duta ; 3 cr.

5126 Advanced Dakota Language I

(A-F or Audit;)
19163 001 LEC, 11:15-12:30 MW, Twin Cities Remote, Completely Online; Neil McKay ; 3 cr.

5226 Dakota Mastery I

(Student Option;)
20865 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;)
18133 001 LAB, 12:20-13:50 MW, Barbara Barker Ctr Dance 300, In Person Term Based; Cheng Xiong ; 1 cr.

1010 Modern/Contemporary Dance

Technique 3
(Student Option; Prereq: dept consent, audition)
18727 002 LAB, 12:20-13:50 MTThF, Barbara Barker Ctr Dance 100, In Person Term Based; Jessica Pretty ; 1-2 cr.
21232 001 LAB, 12:20-13:50 TTh, Lab TBA, In Person Term Based; Carl Flink ; 1-2 cr.

1040 Modern Dance Partnering Technique

(A-F only; Prereq: Dance major or instr consent)
34011 001 LAB, 14:05-15:35 W, Barbara Barker Ctr Dance 300, In Person Term Based; Carl Flink ; 1 cr.

1101 Ballet Technique 1

(Student Option;)
18131 001 LAB, 17:00-18:15 MW, Barbara Barker Ctr Dance 300, In Person Term Based; Tina Wallum ; 1 cr.

1110 Ballet Technique 3

(Student Option; Prereq: dept consent, audition)
18061 001 LAB, 08:25-09:55 MWF, Barbara Barker Ctr Dance 200, In Person Term Based; Tina Wallum ; 2 cr.

1201 Jazz Technique 1

(Student Option;)
18194 001 LAB, 18:30-19:45 TTh, Barbara Barker Ctr Dance 100, In Person Term Based; Gabrielle Abram ; 1 cr.

1210 Jazz Technique 3

(Student Option; Prereq: dept consent, audition)
18195 001 LAB, 10:10-11:40 TTh, Barbara Barker Ctr Dance 200, In Person Term Based; Gabrielle Abram ; 1 cr.

1327 Argentine Tango

(Student Option;)
19736 001 LAB, 17:00-18:15 MW, Rarig Center 630, In Person Term Based; Andrea DuCane, Rebecca Trost ; 1 cr.

1331 Yoga

(Student Option;)
18728 001 LAB, 08:25-09:55 TTh, Barbara Barker Ctr Dance 100, In Person Term Based; Kealoha Ferreira ; 1 cr.
18782 002 LAB, 10:10-11:40 TTh, Barbara Barker Ctr Dance 100, In Person Term Based; Kealoha Ferreira ; 1 cr.
20027 003 LAB, 09:00-10:30 TTh, Rarig Center 90, In Person Term Based; Leslie Ball, Katie Willer ; 1 cr.

1335 T'ai Chi Ch'uan

(Student Option;)
19502 001 LAB, 17:00-18:15 TTh, Barbara Barker Ctr Dance 300, In Person Term Based; Silvia Yueh ; 1 cr.

1343 Urban & Street Dance Forms 1:

Introduction
(Student Option No Audit;)
19436 001 LAB, 12:20-13:50 TTh, Barbara Barker Ctr Dance 300, In Person Term Based; Cheng Xiong ; 1 cr.

1353 African Diasporic Movement 3

(Student Option No Audit;)
19464 001 LAB, 08:25-09:55 TTh, Barbara Barker Ctr Dance 300, In Person Term Based; Averie Mitchell-Brown ; 1 cr.

1401 Introduction to Dance

(Student Option No Audit; AH)
18250 001 LEC, 10:10-11:40 MW, Blegen Hall 120, In Person Term Based; Jessica Pretty, Jacob Rorem ; 3 cr.

1626 Music for Dance

(Student Option; Prereq: dept consentAH)
19435 001 LEC, 10:10-11:00 F, Barbara Barker Ctr Dance 100, 10:10-11:40 MW, Barbara Barker Ctr Dance 301, In Person Term Based; Michelle Kinney ; 3 cr.

3010 Modern/Contemporary Dance

Technique 5
(Student Option; Prereq: dept consent, audition)
18189 001 LAB, 14:05-15:35 MTThF, Barbara Barker Ctr Dance 300, In Person Term Based; Jessica Pretty, Cheng Xiong ; 2 cr.

3110 Ballet Technique 5

(Student Option; Prereq: dept consent, audition)
18121 001 LAB, 08:25-09:55 MWF, Barbara Barker Ctr Dance 100, In Person Term Based; Penelope Freeh ; 2 cr.

3334 Introduction to Dance/Movement

Therapy
(Student Option; Prereq: dept consent)
19466 001 LAB, 14:05-15:35 W, Barbara Barker Ctr Dance 301, In Person Term Based; Meets With: 001 DNCE 5334; Barbara Nordstrom-Loeb ; 2 cr.

3401W Dance History 1

(Student Option; GP,WI)
18398 001 LEC, 10:10-11:40 TTh, Barbara Barker Ctr Dance 301, In Person Term Based; Cindy Garcia ; 3 cr.

3411 Dance and Popular Culture:

Choreographing Race, Class, and Gender
(Student Option; DSJ)
21276 001 LEC, 09:05-09:55 TTh, Barbara Barker Ctr Dance 301, In Person Term Based; Cindy Garcia ; 3 cr.

3601 Dance Composition 1

(Student Option; Prereq: 1020, 1601, concurrent regis in a modern dance technique course, dept consent)
21228 001 LAB, 10:10-11:40 MWF, Barbara Barker Ctr Dance 200, In Person Term Based; Arwen Wilder ; 3 cr.
21229 002 LAB, 10:10-11:40 MWF, Barbara Barker Ctr Dance 300, In Person Term Based; Kristin Vanloon ; 3 cr.

3621 Dance Production I

(A-F or Audit; Prereq: Dance major, dept consent)
20196 001 LEC, 18:30-20:00 MW, Barbara Barker Ctr Dance 301, In Person Term Based; Maggie Bergeron ; 2 cr.

4601 Dance Composition 3

(Student Option; Prereq: 3602, concurrent regis in a modern dance technique course, dept consent)
21763 001 LAB, 12:20-13:50 MWF, Barbara Barker Ctr Dance 200, In Person Term Based; Carl Flink ; 3 cr.
34118 002 LAB, 12:20-13:50 MWF, Barbara Barker Ctr Dance 301, In Person Term Based; Joan Smith ; 3 cr.

4901 Capstone Seminar for Dance

(S-N or Audit; Prereq: Sr, [Dnce or Th major])
19404 001 IND, In Person Term Based; Joan Smith, Katelyn Buis ; 1-2 cr.

5010 Modern/Contemporary Dance

Technique 7
(Student Option; Prereq: dept consent, audition)
18198 001 LAB, 14:05-15:35 MTThF, Barbara Barker Ctr Dance 200, In Person Term Based; Erin Thompson, Laura Anne Virtucio ; 2 cr.

5030 Modern/Contemporary Dance

Technique 9
(A-F or Audit;)
20647 001 LAB, 14:05-15:35 MTThF, Barbara Barker Ctr Dance 100, In Person Term Based; Elayna Waxse ; 2 cr.

5110 Ballet Technique 7

(Student Option; Prereq: dept consent, audition)
20430 001 LAB, 08:25-09:55 TTh, Barbara Barker Ctr Dance 200, In Person Term Based; Eve Schulte ; 1 cr.

5334 Introduction to Dance/Movement

Therapy
(Student Option; Prereq: dept consent)
19467 001 LAB, 14:05-15:35 W, Barbara Barker Ctr Dance 301, In Person Term Based; Meets With: 001 DNCE 3334; Barbara Nordstrom-Loeb ; 2 cr.

5601 Dance Composition 5

(Student Option; Prereq: 4601, 4602, dept consent)
21764 001 LAB, 10:10-11:40 MW, Barbara Barker Ctr Dance 100, In Person Term Based; Joan Smith ; 1-2 cr.

5700 Performance

(Student Option; Prereq: concurrent registration is required (or allowed) in technique course, dept consent, audition based Students cast in more than one choreographic piece should register for section 002 for 2 credits)
18201 001 LAB, 09:00-13:00 Sa, Barbara Barker Ctr Dance 100, 15:45-18:15 MTWThF, Barbara Barker Ctr Dance 100, In Person Term Based; Laura Anne Virtucio ; 1-2 cr.
20226 002 LAB, 09:00-13:00 Sa, Barbara Barker Ctr Dance 200, 15:45-18:15 MTWThF, Barbara Barker Ctr Dance 200, In Person Term Based; Laura Anne Virtucio, Nora Jenneman, Andrea Reynolds ; 1-2 cr.

5858 Dance Pedagogy

(Student Option;)
20197 001 LAB, 08:25-09:55 MWF, Barbara Barker Ctr Dance 300, In Person Term Based; Maggie Bergeron ; 3-4 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent, dept consent, college consent.)
18655 001 IND, 00:00-00:00 , , In Person Term Based; Carl Flink ; 1-4 cr.

Data Science (DSCI)

4093 Data Science Senior Project Directed

Study
(A-F only;)
33982 001 IND, In Person Term Based; Jaideep Srivastava ; 4 cr.

Dental Hygiene (DH)

1101 Introduction to Dental Hygiene

(A-F only;)
23705 001 LEC, 09:00-09:50 Th, Phillips-Wangenstein 3150/3152, In Person Term Based; 1 cr.

2111 Dental Anatomy, Embryology &

Histology
(A-F or Audit;)
23523 001 LEC, 08:00-08:50 M, Moos Health Sci Tower 8-348, In Person Term Based; 3 cr.
23524 002 LAB, 09:00-12:00 M, Moos Health Sci Tower 8-348, In Person Term Based; 3 cr.

2121 Process of Care in Allied Dental

Health: Clinical Application I
(A-F or Audit;)
23525 001 LEC, 08:00-08:50 TTh, Health Sciences Ed Ctr 2-101AB, In Person Term Based; Meets With: 001 DT 2121; 5 cr.
23526 002 FWK, 13:00-16:00 TTh, AHC ROOM TBA, 10:00-12:00 TTh, AHC ROOM TBA, In Person Term Based; Meets With: 002 DT 2121; 5 cr.

2132 Head and Neck Anatomy

(A-F or Audit;)

23522 001 LEC, 14:00-15:40 W, Moos Health Sci Tower 8-348, In Person Term Based; Meets With: 001 DT 2132; 2 cr.

2231 Cariology and Applied Nutrition in Allied Dental Health

(A-F or Audit;)

23680 001 LEC, 08:00-09:50 Th, AHC ROOM TBA, 08:00-08:50 M, Phillips-Wangenstn Bldg 3-150, In Person Term Based; Meets With: 001 DT 2231; 3 cr.

3224W Process of Care in Allied Dental Health: Clinical Application IV

(A-F or Audit; Prereq: Dental hygiene studentWI)

23581 100 FWK, 13:00-16:00 MTWTh, No Room Required, In Person Term Based; 6 cr.

23582 200 LEC, 09:00-10:30 T, Twin Cities Remote, Completely Online; 6 cr.

3234 Oral and Maxillofacial Radiology: Theory, Principles, and Radiographic Analysis

(A-F only;)

23583 001 LEC, 11:15-12:05 W, Moos Health Sci Tower 2-620, 10:10-12:05 M, Moos Health Sci Tower 2-620, 10:10-12:05 W, Moos Health Sci Tower 2-620, 11:15-12:05 M, Moos Health Sci Tower 2-620, 10:10-12:05 M, Moos Health Sci Tower 2-620, 11:15-12:05 MW, Moos Health Sci Tower 2-620, 10:10-12:05 W, Moos Health Sci Tower 2-620, In Person Term Based; Meets With: 001 DDS 6234; Mansur Ahmad ; 1 cr.

23585 002 LEC, In Person Term Based; 1 cr.

3238 Dental Public Health and Academic Service Learning I

(A-F only;)

23584 001 LEC, 10:00-11:40 Th, AHC ROOM TBA, 09:00-09:50 M, Phillips-Wangenstn Bldg 3-150, In Person Term Based; Meets With: 001 DT 3238; 3 cr.

Dental Therapy (DT)**2132 Head and Neck Anatomy**

(A-F or Audit;)

34630 001 LEC, 14:00-15:40 W, Moos Health Sci Tower 8-348, In Person Term Based; Meets With: 001 DH 2132; 2 cr.

3224W Process of Care in Allied Dental Health: Clinical Application IV

(A-F or Audit; WI)

34712 002 LAB, 13:00-16:00 MTWTh, AHC ROOM TBA, In Person Term Based; 6 cr.

34713 001 LEC, 09:00-10:30 T, Twin Cities Remote, Completely Online; 6 cr.

4415 Essentials of Clinical Care I: Introduction

(S-N only;)

23708 001 FWK, In Person Term Based; Danae Seyffer ; 1 cr.

4994 Dental Therapy Directed Research

(S-N only;)

23674 001 IND, In Person Term Based; 1-7 cr.

5005 Dental Therapy Capstone Project I

(S-N only;)

23649 001 IND, 00:00-00:00 , , In Person Term Based; Drew Christianson ; 1 cr.

5141 Clinical Pediatric Dentistry III

(A-F only; Prereq: Must be in the dental therapy program, passed basic foundation competencies)

23623 001 FWK, 00:00-00:00 , , In Person Term Based; 2 cr.

5241 Oral Radiology Clinic II

(A-F only; Prereq: Must be in dental therapy masters program)

23622 001 FWK, 00:00-00:00 , , In Person Term Based; Mansur Ahmad ; 1 cr.

5320 Comprehensive Care Clinic

(S-N only;)

23624 001 FWK, 00:00-00:00 , , In Person Term Based; 4 cr.

5361 Outreach Experiences DT Spring

(S-N only;)

23626 001 FWK, 00:00-00:00 , , In Person Term Based; Paul Schulz ; 2 cr.

5429 Introduction to Psychomotor Skill Development

(S-N only; Prereq: In dental therapy program.)

23617 001 FWK, 00:00-00:00 , , In Person Term Based; Mercedes Porter ; 1 cr.

5432 Operative Dentistry I

(A-F only;)

23651 001 LEC, In Person Term Based; 2 cr.

5434 Operative Dentistry II Lecture

(A-F only; Prereq: Enrolled in master's in dental therapy program)

23701 001 LEC, In Person Term Based; Meets With: 001 DDS 6436; 2 cr.

5435 Operative Dentistry II for the Dental Therapist, Lab

(A-F only;)

23619 001 LAB, In Person Term Based; 3 cr.

5443 Operative Clinic III

(A-F only;)

23625 001 FWK, 00:00-00:00 , , In Person Term Based; Gary Hildebrandt ; 4 cr.

Design (DES)**1000 D@MN: Design@Minnesota**

(A-F only; AH)

15530 001 DIS, 13:00-14:15 Th, ONLINE BLENDED, 13:00-14:15 T, Rapson Hall 56, Partially Online; Emily Stover ; 3 cr.

1101V Honors: Introduction to Design Thinking

(A-F only; Prereq: Honors studentAH,WI)

15277 001 LEC, 08:45-10:00 TTh, McNeal Hall 33, In Person Term Based; Meets With: 001 DES 1101W; Frances Trice ; 4 cr.

15666 002 DIS, 10:40-11:30 W, McNeal Hall 262, In Person Term Based; Meets With: 004 DES 1101W; Frances Trice ; 4 cr.

1101W Introduction to Design Thinking

(A-F only; AH,WI)

15182 001 LEC, 08:45-10:00 TTh, McNeal Hall 33, In Person Term Based; Meets With: 001 DES 1101V; Frances Trice ; 4 cr.

15190 002 DIS, 08:30-09:20 W, McNeal Hall 262, In Person Term Based; Frances Trice ; 4 cr.

15191 003 DIS, 09:35-10:25 W, McNeal Hall 262, In Person Term Based; Frances Trice ; 4 cr.

15192 004 DIS, 10:40-11:30 W, McNeal Hall 262, In Person Term Based; Meets With: 002 DES 1101V; Frances Trice ; 4 cr.

15193 005 DIS, 10:40-11:30 T, McNeal Hall 336, In Person Term Based; Frances Trice ; 4 cr.

15194 006 DIS, 10:40-11:30 Th, McNeal Hall 336, In Person Term Based; Frances Trice ; 4 cr.

33165 007 DIS, 18:15-19:10 W, McNeal Hall 262, In Person Term Based; Frances Trice ; 4 cr.

1111 Creative Problem Solving

(A-F only;)

15480 001 LEC, 11:45-13:40 MW, McNeal Hall 33, In Person Term Based; Meets With: 001 DES 1111H; Brad Hokanson ; 3 cr.

1111H Honors: Creative Problem Solving

(A-F only; Prereq: Honors)

15478 001 LEC, 11:45-13:40 MW, McNeal Hall 33, In Person Term Based; Meets With: 001 DES 1111; Brad Hokanson ; 3 cr.

1904 Fashion and Music

(A-F only;)

33834 001 DIS, 10:15-11:30 TTh, McNeal Hall 395, In Person Term Based; Kathryn Reiley ; 3 cr.

2101 Design and Visual Presentation

(A-F only;)

15499 001 LEC, 16:05-17:45 M, McNeal Hall 262, In Person Term Based; Jacklyn Even ; 2 cr.

15500 002 LEC, Completely Online; Stephanie Heidorn ; 2 cr.

15532 003 LEC, Completely Online; Lila Shull ; 2 cr.

33169 004 LEC, Completely Online; Caroline Houdek Solomon ; 2 cr.

3131 User Experience in Design

(A-F only;)

15418 001 LEC, 18:15-20:10 MW, McNeal Hall 144, In Person Term Based; Cecilia Wang ; 4 cr.
15545 002 LEC, 15:00-16:55 TTh, Lrng & Environmental Sci 230, In Person Term Based; Debra Lawton ; 4 cr.**3132 Service Design Studio**

(A-F or Audit;)

15643 001 LAB, 15:00-16:55 MW, Ruttan Hall B22, In Person Term Based; Cecilia Wang ; 3 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)

15280 001 LEC, 13:55-14:45 T, Twin Cities Remote, Completely Online; Brian Green ; 1 cr.

15281 002 LEC, 10:40-11:30 Th, Twin Cities Remote, Completely Online; Siri Sorensen ; 1 cr.

15448 003 LEC, 09:05-09:55 W, Twin Cities Remote, Completely Online; Kara Branyon ; 1 cr.

15554 004 LEC, 09:05-09:55 F, Twin Cities Remote, Completely Online; Mary Shannon Bocock ; 1 cr.

3309 Storytelling and Design

(A-F only;)

15646 001 LEC, 18:20-21:05 T, Mechanical Engineering 25, In Person Term Based; Emily Stover ; 3 cr.

3311 Travels in Typography

(A-F only;)

15647 001 LEC, 18:15-21:00 M, McNeal Hall B22, In Person Term Based; Bill Moran ; 3 cr.

3321 Furniture Design: Exploration

(A-F only;)

15543 001 LEC, 18:20-21:05 T, Rapson Hall 109, In Person Term Based; Thomas Oliphant ; 3 cr.

3322 Furniture Design, Practice

(A-F only;)

15529 001 LEC, 09:05-14:15 Th, Rapson Hall 109, In Person Term Based; Thomas Oliphant ; 4 cr.

3331 Street Life Urban Design Seminar

(A-F only;)

15528 001 LEC, 13:25-16:10 F, Rapson Hall 58, In Person Term Based; Satoko Muratake ; 3 cr.

4160 Topics in Design

(A-F only;)

33675 001 LEC, 18:00-20:00 MW, Rapson Hall 109, In Person Term Based; Angie Miller-Foley ; 1-4 cr.

4165 Design and Globalization

(A-F or Audit; Prereq: Jr or srDSJ)

15447 001 DIS, 13:55-16:55 T, Twin Cities Remote, Completely Online; Meets With: 001 DES 5165; Tasoulla Hadjiyanni ; 3 cr.

4193 Directed Study in Design

(A-F only; Prereq: dept consent)

15268 001 IND, Independent/Directed Study; ; 1-6 cr.
15270 010 IND, Independent/Directed Study; ; 1-6 cr.**4401W Racism Untaught**

(Student Option; DSJ,WI)

33727 001 DIS, 15:00-16:15 TTh, Twin Cities Remote, Completely Online; Meets With: 001 DES 4401V; Terresa (Terri) Moses ; 3 cr.

5165 Design and Globalization

(A-F or Audit;)

15521 001 DIS, 13:55-16:55 T, Twin Cities Remote, Completely Online; Meets With: 001 DES 4165; Tasoulla Hadjiyanni ; 3 cr.

5193 Directed Study in Design

(A-F only; Prereq: dept consent)

15404 002 IND, Independent/Directed Study; Abimbola Asojo ; 1-6 cr.

15422 003 IND, Independent/Directed Study; ; 1-6 cr.

15459 001 IND, Independent/Directed Study; 1-6 cr.

Dutch (DTCH)**1001 Beginning Dutch**

(Student Option;)

18158 001 DIS, 11:15-12:05 MTWThF, Peik Hall 165, In Person Term Based; Meets With: 001 DTCH 4001; Jenneke Oosterhoff ; 5 cr.

1003 Intermediate Dutch

(Student Option; Prereq: 1002)

21294 001 DIS, 14:30-15:20 MTWThF, Peik Hall 165, In Person Term Based; Meets With: 001 DTCH 4003; Jenneke Oosterhoff ; 5 cr.

3993 Directed Studies

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

18317 001 IND, In Person Term Based; Jenneke Oosterhoff ; 1-5 cr.

4001 Beginning Dutch for Graduate

Research

(Student Option;)

18374 001 DIS, 11:15-12:05 MTWThF, Peik Hall 165, In Person Term Based; Meets With: 001 DTCH 1001; Jenneke Oosterhoff ; 5 cr.

4003 Intermediate Dutch for Graduate

Research

(Student Option;)

21295 001 DIS, 14:30-15:20 MTWThF, Peik Hall 165, In Person Term Based; Meets With: 001 DTCH 1003; Jenneke Oosterhoff ; 5 cr.

5993 Directed Studies

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

18318 001 IND, In Person Term Based; Jenneke Oosterhoff ; 1-4 cr.

Early Modern Studies (EMS)

5500 Topics in Early Modern Studies

(Student Option; Prereq: Grad student)

34120 001 LEC, 16:00-18:30 W, Pillsbury Hall 114, In Person Term Based; Meets With: 001 ENGL 5140; Amit Yahav ; 3 cr.

34202 002 LEC, 13:00-14:15 MW, Blegen Hall 205, In Person Term Based; Meets With: 001 ARTH 5302; Michael Gaudio ; 3 cr.

34203 003 LEC, 13:00-14:15 TTh, Walter W Heller Hall 445, In Person Term Based; Meets With: 001 ARTH 5336; Steven Ostrow ; 3 cr.

Earth Sciences (ESCI)

1001 Earth and Its Environments

(Student Option; ENV,PHYS)

24406 001 LEC, 11:15-12:05 MWF, Nicholson Hall 155, In Person Term Based; Meets With: 101 ESCI 1101; Kent Kirkby ; 4 cr.

24407 002 LEC, 09:45-11:00 TTh, Bruininks Hall 230, In Person Term Based; Meets With: 102 ESCI 1101; Annia Fayon ; 4 cr.

24408 003 LEC, 14:30-15:45 TTh, Bruininks Hall 220, In Person Term Based; Meets With: 103 ESCI 1101; Peter Makovicky ; 4 cr.

24409 004 LEC, Completely Online; Kent Kirkby ; 4 cr.

24410 101 LAB, 09:05-10:45 M, Ford Hall 185, In Person Term Based; 4 cr.

24411 102 LAB, 12:20-14:00 M, Ford Hall 185, In Person Term Based; 4 cr.

24412 103 LAB, 14:30-16:10 M, Ford Hall 185, In Person Term Based; 4 cr.

24413 105 LAB, 11:15-12:55 T, Ford Hall 185, In Person Term Based; 4 cr.

24414 106 LAB, 16:00-17:40 T, Ford Hall 185, In Person Term Based; 4 cr.

24415 107 LAB, 09:05-10:45 W, Ford Hall 185, In Person Term Based; 4 cr.

24416 108 LAB, 12:20-14:00 W, Ford Hall 185, In Person Term Based; 4 cr.

24417 109 LAB, 14:30-16:10 W, Ford Hall 185, In Person Term Based; 4 cr.

24418 110 LAB, 16:30-18:10 W, Ford Hall 185, In Person Term Based; 4 cr.

24419 111 LAB, 11:15-12:55 Th, Ford Hall 185, In Person Term Based; 4 cr.

24420 112 LAB, 13:25-15:05 Th, Ford Hall 185, In Person Term Based; 4 cr.

25085 104 LAB, 16:30-18:10 M, Ford Hall 185, In Person Term Based; 4 cr.

25476 113 LAB, 14:30-16:10 M, Twin Cities Remote, Completely Online; 4 cr.

26897 114 LAB, 16:30-18:10 M, Twin Cities Remote, Completely Online; 4 cr.

26943 115 LAB, 13:25-15:05 T, Twin Cities Remote, Completely Online; 4 cr.

26944 116 LAB, 15:35-17:15 T, Twin Cities Remote, Completely Online; 4 cr.

1006 Oceanography

(Student Option; ENV,PHYS)

24421 101 LAB, 09:05-10:45 M, Tate Hall 185, In Person Term Based; 4 cr.

24422 102 LAB, 11:15-12:55 M, Tate Hall 185, In Person Term Based; 4 cr.

24424 106 LAB, 09:05-10:45 T, Tate Hall 185, In Person Term Based; 4 cr.

24425 108 LAB, 16:00-17:40 T, Tate Hall 185, In Person Term Based; 4 cr.

25414 103 LAB, 13:25-15:05 M, Tate Hall 185, In Person Term Based; 4 cr.

25647 002 LEC, 13:00-14:15 TTh, Tate Hall 101, In Person Term Based; Meets With: 002 ESCI 1106; William Seyfried ; 4 cr.

25649 104 LAB, 15:35-17:15 M, Tate Hall 185, In Person Term Based; 4 cr.

25650 107 LAB, 11:15-12:55 T, Tate Hall 185, In Person Term Based; 4 cr.

25651 110 LAB, 11:15-12:55 W, Tate Hall 185, In Person Term Based; 4 cr.

25652 111 LAB, 13:25-15:20 W, Tate Hall 185, In Person Term Based; 4 cr.

25788 001 LEC, 14:30-15:45 TTh, Bruininks Hall 230, In Person Term Based; Meets With: 001 ESCI 1106; Joel Barker ; 4 cr.

26209 114 LAB, 09:05-10:45 Th, Tate Hall 185, In Person Term Based; 4 cr.

26210 115 LAB, 11:15-12:55 Th, Tate Hall 185, In Person Term Based; 4 cr.

26615 109 LAB, 09:05-10:45 W, Tate Hall 185, In Person Term Based; 4 cr.

1007 From Microbes to Mammoths: History of Life on Earth

(Student Option; BIOL)

25502 001 LEC, 09:45-11:00 TTh, Tate Hall 101, In Person Term Based; David Fox, Jake Bailey ; 4 cr.

25503 101 LAB, 10:10-12:05 M, Tate Hall 160, In Person Term Based; 4 cr.

25504 102 LAB, 12:20-14:15 M, Tate Hall 160, In Person Term Based; 4 cr.

25505 103 LAB, 14:30-16:25 M, Tate Hall 160, In Person Term Based; 4 cr.

25506 104 LAB, 11:15-13:10 T, Tate Hall 160, In Person Term Based; 4 cr.

25507 105 LAB, 13:25-15:20 T, Tate Hall 160, In Person Term Based; 4 cr.

25508 107 LAB, 09:05-11:00 W, Tate Hall 160, In Person Term Based; 4 cr.

25513 108 LAB, 11:15-13:10 W, Tate Hall 160, In Person Term Based; 4 cr.

1012 Natural Disasters

(Student Option; TS)

25584 001 LEC, 16:00-17:15 MW, Twin Cities Remote, Completely Online; Lindsey Kenyon ; 3 cr.

1101 Introduction to Geology (lecture only)

(Student Option; ENV)

24314 101 LEC, 11:15-12:05 MWF, Nicholson Hall 155, In Person Term Based; Meets With: 001 ESCI 1001; Kent Kirkby ; 3 cr.

25082 102 LEC, 09:45-11:00 TTh, Bruininks Hall 230, In Person Term Based; Meets With: 002 ESCI 1001; Annia Fayon ; 3 cr.

25083 103 LEC, 14:30-15:45 TTh, Bruininks Hall 220, In Person Term Based; Meets With: 003 ESCI 1001; Peter Makovicky ; 3 cr.

25084 104 LEC, Completely Online; Kent Kirkby ; 3 cr.

1106 Oceanography

(Student Option; ENV)

25648 002 LEC, 13:00-14:15 TTh, Tate Hall 101, In Person Term Based; Meets With: 002 ESCI 1006; William Seyfried ; 4 cr.

25789 001 LEC, 14:30-15:45 TTh, Bruininks Hall 230, In Person Term Based; Meets With: 001 ESCI 1006; Joel Barker ; 3 cr.

1902 Geology of Minnesota

(Student Option; ENV)

33695 001 LEC, 10:10-11:50 W, Ford Hall 170, In Person Term Based; Harvey Thorleifson ; 3 cr.

1908 Sea Change: Geological Perspective (A-F only;)

33163 001 LEC, 11:15-12:55 Th, Tate Hall 401-20, In Person Term Based; Vera Pospelova ; 2 cr.

2201 Solid Earth Dynamics

(A-F or Audit; Prereq: concurrent registration is required (or allowed) in PHYS 1301 or instr consent)

24081 001 LEC, 13:00-14:15 TTh, Rapson Hall 45, In Person Term Based; Bruce Moskowitz, Ikuko Wada ; 4 cr.

24082 101 LAB, 08:00-09:40 M, Tate Hall 180, In Person Term Based; 4 cr.

24083 102 LAB, 11:15-12:55 M, Tate Hall 180, In Person Term Based; 4 cr.

25836 103 LAB, 13:25-15:05 M, Tate Hall 180, In Person Term Based; 4 cr.

26207 104 LAB, 15:35-17:15 M, Tate Hall 180, In Person Term Based; 4 cr.

26854 105 LAB, 17:45-19:25 M, Tate Hall 180, In Person Term Based; 4 cr.

34766 200 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Ikuko Wada, Bruce Moskowitz ; 4 cr.

2301 Mineralogy

(Student Option; Prereq: [concurrent registration is required (or allowed) in CHEM 1061, concurrent registration is required (or allowed) in CHEM 1065, concurrent registration is required (or allowed) in MATH 1271] or instr consent)

24084 001 LEC, 10:10-11:00 MW, Tate Hall 110, In Person Term Based; Joshua Feinberg ; 3 cr.

24086 102 LAB, 11:15-12:55 W, Tate Hall 180, In Person Term Based; 3 cr.

25835 103 LAB, 13:25-15:05 W, Tate Hall 180, In Person Term Based; 3 cr.

26211 104 LAB, 15:35-17:15 W, Tate Hall 180, In Person Term Based; 3 cr.

34367 101 LAB, 08:00-09:40 W, Tate Hall 180, In Person Term Based; 3 cr.

3093 Directed Studies in Earth & Environmental Sciences: Junior

(Student Option; Prereq: instr consent)

24225 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

3202 Fluid Earth Dynamics

(Student Option; Prereq: concurrent registration is required (or allowed) in 2201)

24087 001 LEC, 11:15-12:30 TTh, Tate Hall 120, In Person Term Based; Lars Hansen, Peter Kang ; 4 cr.

24088 102 DIS, 11:15-12:55 F, Tate Hall 170, In Person Term Based; 4 cr.

25086 101 DIS, 08:00-09:40 F, Tate Hall 170, In Person Term Based; 4 cr.

3303W Geochemical Principles

(Student Option; Prereq: [concurrent registration is required (or allowed) in CHEM 1061, concurrent registration is required (or allowed) in CHEM 1065] or instr consent(WI))

25585 001 LEC, 13:25-14:15 MWF, Twin Cities Remote, Completely Online; Larry Edwards ; 4 cr.

25586 101 DIS, 09:05-10:45 T, Twin Cities Remote, Completely Online; 4 cr.

25602 102 DIS, 13:25-15:05 T, Twin Cities Remote, Completely Online; 4 cr.

3896 Internship in Earth and Environmental Sciences

(Student Option No Audit;)

26616 001 IND, In Person Term Based; Joshua Feinberg ; 1-4 cr.

4093 Directed Studies in Earth & Environmental Sciences: Senior

(Student Option; Prereq: instr consent)

24226 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

4094 Senior Thesis

(Student Option; Prereq: Sr, Geo or EScI major, instr consent)

24227 001 IND, 00:00-00:00 , , In Person Term Based; 2 cr.

4103W Fossil Record of Mammals

(A-F or Audit; WI)

32748 001 LEC, 13:00-14:15 TTh, Tate Hall 120, In Person Term Based; David Fox ; 3 cr.

4203 Environmental Geophysics

(Student Option; Prereq: Phys 1301)

24222 001 LEC, 10:10-11:00 MWF, Tate Hall 120, In Person Term Based; Meets With: 001 ESCI 8203; Bruce Moskowitz, Aaron Hirsch ; 3 cr.

4404 Analytical geochemistry for aqueous solutions and geological materials**(A-F only; Prerequisites recommended to attend this course are PHYS 1301 (or equivalency) and CHEM 1061 (or equivalency).)**

32745 001 LEC, 11:15-12:30 TTh, Tate Hall 170, In Person Term Based; Meets With: 001 ESCI 8404; Xinyuan Zheng ; 3 cr.

4501 Structural Geology**(Student Option;)**

24089 001 LEC, 11:15-12:05 MW, Tate Hall 401-20, In Person Term Based; Meets With: 001 ESCI 8501; Christian Teyssier ; 3 cr.

24090 101 LAB, 08:00-09:40 F, Tate Hall 180, In Person Term Based; Meets With: 101 ESCI 8501; 3 cr.

24091 102 LAB, 12:20-14:00 F, Tate Hall 180, In Person Term Based; Meets With: 102 ESCI 8501; 3 cr.

4701 Geomorphology**(Student Option; Prerequisite courses or their equivalents, and it is recommended to take these classes at least concurrently (as co-requisites) with geomorphology. No help will be given on material covered in prerequisite courses.)**

26421 001 LEC, 09:45-11:00 TTh, Tate Hall 120, In Person Term Based; Meets With: 001 ESCI 8701; Andrew Wickert ; 4 cr.

26422 101 LAB, 08:00-09:40 Th, Tate Hall 170, In Person Term Based; Meets With: 101 ESCI 8701; 4 cr.

26958 102 LAB, 11:15-12:55 W, Tate Hall 170, In Person Term Based; Meets With: 102 ESCI 8701; 4 cr.

5204 Geostatistics and Inverse Theory**(Student Option; Prereq: Stat 3011 or instr consent)**

32622 001 LEC, 14:30-15:45 TTh, Tate Hall B45, In Person Term Based; Justin Revenaugh ; 3 cr.

5302 Isotope Geology**(A-F or Audit; Prereq: 3303W or instr consent)**

32623 001 LEC, 14:30-15:45 TTh, Tate Hall 120, In Person Term Based; Emi Ito, Larry Edwards, Xinyuan Zheng ; 3 cr.

5980 Seminar: Current Topics in Earth Sciences**(S-N or Audit;)**

33590 001 LEC, 14:30-15:45 TTh, Tate Hall 401-20, In Person Term Based; Jake Bailey ; 1-4 cr.

34162 002 LEC, 15:30-16:55 W, Tate Hall 401-20, In Person Term Based; Peter Kang ; 1-4 cr.

East Asian Studies (EAS)**3462 From Subjects to Citizens: The History of East Asia From 1500 to the Present****(Student Option; GP,HIS)**

33957 001 DIS, 18:20-20:50 W, Blegen Hall 125, In Person Term Based; Meets With: 090 HIST 3462; Hao-Wen Cheng ; 3-4 cr.

3471 Modern Japan, Meiji to the Present (1868-2000)**(Student Option; HIS)**

34108 001 LEC, 13:00-14:15 MW, Blegen Hall 145, In Person Term Based; Meets With: 001 HIST 3471001 AMES 3478; Hiromi Mizuno ; 3 cr.

Ecology, Evolution, and Behav (EEB)**3001 Ecology and Society****(A-F or Audit; Prereq: [Jr or sr] recommended; biological sciences students may not apply cr toward major/ENV)**

15699 001 LEC, 11:45-12:35 MWF, Ruttan Hall B25, In Person Term Based; Jennifer Powers ; 3 cr.

3407 Ecology**(Student Option;)**

15949 001 LEC, 11:45-12:35 MW, Borlaug Hall 335, In Person Term Based; Meets With: 001 EEB 5407; Clarence Lehman ; 3 cr.

15950 002 LAB, 09:35-12:35 T, Lab TBA, In Person Term Based; Meets With: 002 EEB 5407; 3 cr.

15951 003 LAB, 13:55-16:55 T, Lab TBA, In Person Term Based; Meets With: 003 EEB 5407; 3 cr.

15952 004 LAB, 12:50-15:50 W, Lab TBA, In Person Term Based; Meets With: 004 EEB 5407; 3 cr.

15953 005 LAB, 09:35-12:35 Th, Lab TBA, In Person Term Based; Meets With: 005 EEB 5407; 3 cr.

15954 006 LAB, 13:55-16:55 Th, Lab TBA, In Person Term Based; Meets With: 006 EEB 5407; 3 cr.

15955 007 LAB, 09:35-12:35 F, Lab TBA, In Person Term Based; Meets With: 007 EEB 5407; 3 cr.

16053 008 LAB, 16:30-19:30 W, Lab TBA, In Person Term Based; Meets With: 008 EEB 5407; 3 cr.

16104 009 LAB, 09:35-12:35 W, Lab TBA, In Person Term Based; Meets With: 009 EEB 5407; George Furey ; 3 cr.

16177 010 LEC, 13:25-14:15 MW, Bruininks Hall 220, In Person Term Based; Meets With: 010 EEB 5407; Clarence Lehman ; 3 cr.

16178 011 LAB, 17:10-20:10 T, Lab TBA, In Person Term Based; Meets With: 011 EEB 5407; 3 cr.

16179 012 LAB, 17:10-20:10 Th, Lab TBA, In Person Term Based; Meets With: 012 EEB 5407; 3 cr.

3409 Evolution**(Student Option; Prereq: One semester college biology)**

15956 001 LEC, 10:40-11:30 MW, Borlaug Hall 335, In Person Term Based; Meets With: 001 EEB 5409; William Harcombe, Georgiana May ; 3 cr.

15957 004 LAB, 11:45-14:45 W, Lab TBA, In Person Term Based; Meets With: 004 EEB 5409; 3 cr.

15958 007 LAB, 08:30-11:30 F, Lab TBA, In Person Term Based; Meets With: 007 EEB 5409; 3 cr.

16083 002 LAB, 09:35-12:35 T, Lab TBA, In Person Term Based; Meets With: 002 EEB 5409; 3 cr.

16084 003 LAB, 13:55-16:55 T, Lab TBA, In Person Term Based; Meets With: 003 EEB 5409; 3 cr.

3412W Introduction to Animal Behavior, Writing Intensive**(Student Option No Audit; Prereq: Undergrad biology course Credit granted for only one of the following: EEB 3411, EEB 3412W, EEB 3811W, EEB 5412W)**

16148 001 LEC, 09:10-10:25 MW, Green Hall 110, In Person Term Based; Meets With: 001 EEB 5412; Trevor Wardill ; 4 cr.

16149 002 LAB, 12:50-15:50 W, Lab TBA, In Person Term Based; 4 cr.

16150 003 LAB, 08:30-11:30 Th, Lab TBA, In Person Term Based; 4 cr.

16151 004 LAB, 12:50-15:50 Th, Lab TBA, In Person Term Based; 4 cr.

16152 005 LAB, 16:30-19:30 Th, Lab TBA, In Person Term Based; 4 cr.

16153 006 LAB, 09:35-12:35 F, Lab TBA, In Person Term Based; 4 cr.

3701 EEB Seminar**(S-N only;)**

16137 001 LEC, 15:30-17:00 W, Ruttan Hall B42, In Person Term Based; R. Denison ; 1 cr.

4129 Mammalogy**(A-F or Audit; Prereq: Biol 1001 or Biol 2012)**

15808 001 LEC, 10:15-11:30 TTh, Ruttan Hall B25, In Person Term Based; Sharon Jansa ; 4 cr.

15809 002 LAB, 13:00-16:00 T, Lab TBA, In Person Term Based; 4 cr.

15810 003 LAB, 09:35-12:35 W, Lab TBA, In Person Term Based; 4 cr.

15823 004 LAB, 13:00-16:00 Th, Lab TBA, In Person Term Based; 4 cr.

4329 Primate Ecology and Social Behavior (A-F or Audit; Prereq: BIOL 1009 or BIOL 1951 or BIOL 3411 or ANTH 1001 or instr consent)

34436 001 LEC, 14:30-15:45 TTh, Blegen Hall 220, In Person Term Based; Meets With: 001 ANTH 4329; Michael Wilson ; 3 cr.

34437 002 DIS, 16:00-16:50 T, Blegen Hall 260, In Person Term Based; 3 cr.

34438 003 DIS, 13:25-14:15 Th, Blegen Hall 115, In Person Term Based; 3 cr.

4332W The Biology of Politics**(A-F only; WI)**

34116 001 DIS, 13:30-14:45 MW, Ruttan Hall B22, In Person Term Based; Mark Bee ; 3 cr.

4609W Ecosystem Ecology**(Student Option; ENV,WI)**

33282 001 LEC, 09:35-10:25 MW, Ecology Building 150, In Person Term Based; Meets With: 001 EEB 5609; Sarah Hobbie ; 3 cr.

33285 002 DIS, 09:35-10:25 F, Ecology Building 170, In Person Term Based; Sarah Hobbie ; 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)**

15801 001 IND, 00:00-00:00 , , In Person Term Based; 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)**

15802 001 IND, 00:00-00:00 , , In Person Term Based; 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.)**

15773 001 IND, 00:00-00:00 , , In Person Term Based; 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.)**

15774 001 IND, 00:00-00:00 , , In Person Term Based; 1-6 cr.

5042 Quantitative Genetics**(A-F only; Prereq: [BIOL 4003 or GCD 3022] or instr consent; a course in statistics is recommended)**

16088 001 LEC, 08:45-10:00 TTh, Borlaug Hall 335, In Person Term Based; Ruth Shaw ; 3 cr.

5407 Ecology**(Student Option;)**

15959 001 LEC, 11:45-12:35 MW, Borlaug Hall 335, In Person Term Based; Meets With: 001 EEB 3407; Clarence Lehman ; 3 cr.

15960 002 LAB, 09:35-12:35 T, Lab TBA, In Person Term Based; Meets With: 002 EEB 3407; 3 cr.

15961 003 LAB, 13:55-16:55 T, Lab TBA, In Person Term Based; Meets With: 003 EEB 3407; 3 cr.

15962 004 LAB, 12:50-15:50 W, Lab TBA, In Person Term Based; Meets With: 004 EEB 3407; 3 cr.

15963 005 LAB, 09:35-12:35 Th, Lab TBA, In Person Term Based; Meets With: 005 EEB 3407; 3 cr.

15964 006 LAB, 13:55-16:55 Th, Lab TBA, In Person Term Based; Meets With: 006 EEB 3407; 3 cr.

15965 007 LAB, 09:35-12:35 F, Lab TBA, In Person Term Based; Meets With: 007 EEB 3407; 3 cr.

16054 008 LAB, 16:30-19:30 W, Lab TBA, In Person Term Based; Meets With: 008 EEB 3407; 3 cr.

16135 009 LAB, 09:35-12:35 W, Lab TBA, In Person Term Based; Meets With: 009 EEB 3407; George Furey ; 3 cr.

16180 010 LEC, 13:25-14:15 MW, Bruininks Hall 220, In Person Term Based; Meets With: 010 EEB 3407; Clarence Lehman ; 3 cr.

16181 011 LAB, 17:10-20:10 T, Lab TBA, In Person Term Based; Meets With: 011 EEB 3407; 3 cr.

16182 012 LAB, 17:10-20:10 Th, Lab TBA, In Person Term Based; Meets With: 012 EEB 3407; 3 cr.

5409 Evolution**(Student Option; Prereq: One semester college biology)**

15966 001 LEC, 10:40-11:30 MW, Borlaug Hall 335, In Person Term Based; Meets With: 001 EEB 3409; William Harcombe, Georgiana May ; 3 cr.

15967 002 LAB, 09:35-12:35 T, Lab TBA, In Person Term Based; Meets With: 002 EEB 3409; 3 cr.

15968 003 LAB, 13:55-16:55 T, Lab TBA, In Person Term Based; Meets With: 003 EEB 3409; 3 cr.

15969 004 LAB, 11:45-14:45 W, Lab TBA, In Person Term Based; Meets With: 004 EEB 3409; 3 cr.

16085 007 LAB, 08:30-11:30 F, Lab TBA, In Person Term Based; Meets With: 007 EEB 3409; 3 cr.

5412 Introduction to Animal Behavior**(Student Option No Audit; Prereq: Undergrad biology course Credit granted for only one of the following: EEB 3411, EEB 3412W, EEB 3811W, EEB 5412)**

16189 001 LEC, 09:10-10:25 MW, Green Hall 110, In Person Term Based; Meets With: 001 EEB 3412W; Trevor Wardill ; 3 cr.

5609 Ecosystem Ecology**(Student Option;)**

33283 001 LEC, 09:35-10:25 MW, Ecology Building 150, In Person Term Based; Meets With: 001 EEB 4609W; Sarah Hobbie ; 3 cr.

33286 002 DIS, 09:35-10:25 Th, Ecology Building 170, In Person Term Based; Sarah Hobbie ; 3 cr.

4751 Financial Economics**(Student Option; Prereq: [3101 or equiv], [MATH 1271 or equiv], one sem statistics)**

18740 001 LEC, 08:15-09:30 TTh, Hanson Hall 1-111, In Person Term Based; 3 cr.

4821 Public Economics**(A-F only; Prereq: [3101, 3102] or equiv)**

18040 001 LEC, 09:45-11:00 MW, Blegen Hall 255, In Person Term Based; 3 cr.

4831 Cost-Benefit Analysis**(A-F only; Prereq: ECON 3101)**

18041 001 LEC, 08:15-09:30 MW, Hanson Hall 1-111, In Person Term Based; 3 cr.

4993 Directed Study**(Student Option; Prereq: dept consent)**

18042 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

Ecuador (ECDR)**Educational Psychology (EPSY)****1261 Understanding Data Stories through Visualization & Computing****(Student Option; MATH)**

17300 001 LEC, 09:45-11:00 TTh, Peik Hall 215, In Person Term Based; Suzanne Loch ; 3 cr.

17469 002 LEC, 11:15-12:30 TTh, Appleby Hall 302, In Person Term Based; Suzanne Loch ; 3 cr.

1281 Psychological Science Applied**(A-F only; SOCS)**

17243 001 LEC, 09:00-09:55 MW, Nicholson Hall 275, In Person Term Based; Martin Van Boekel ; 4 cr.

17244 002 LAB, 15:35-16:25 TTh, Appleby Hall 204, In Person Term Based; Martin Van Boekel ; 4 cr.

17245 003 LAB, 15:35-16:25 TTh, Folwell Hall 116, In Person Term Based; Martin Van Boekel ; 4 cr.

17246 004 LAB, 15:35-16:25 TTh, Bruininks Hall 530B, In Person Term Based; Martin Van Boekel ; 4 cr.

17336 006 LAB, 15:35-16:25 TTh, Folwell Hall 112, In Person Term Based; Martin Van Boekel ; 4 cr.

17687 005 LAB, 15:35-16:25 TTh, Elliott Hall N647, In Person Term Based; Martin Van Boekel ; 4 cr.

33816 007 LAB, 09:05-09:55 TTh, Peik Hall 315, In Person Term Based; Martin Van Boekel ; 4 cr.

34520 008 LAB, 09:05-09:55 TTh, Smith Hall 121, In Person Term Based; Martin Van Boekel ; 4 cr.

2601 Understanding Differences, Disabilities, and the Career of Special Education**(A-F only; DSJ)**

17098 001 LEC, 11:45-14:15 T, Blegen Hall 425, 11:45-14:15 Th, Blegen Hall 425, In Person Term Based; Jennifer McComas ; 4 cr.

3101 Creativity and Intelligence: an Introduction**(Student Option No Audit;)**

16956 001 LEC, 00:00-00:00 , ONLINE, Completely Online; William Bart ; 3 cr.

3119 Learning, Cognition, and Assessment**(A-F or Audit;)**

17022 003 LAB, 14:30-15:45 Th, Mechanical Engineering 102, In Person Term Based; Meets With: 003 EPSY 5001; James Houseworth ; 3 cr.

17023 001 LEC, 14:30-15:45 T, Smith Hall 331, In Person Term Based; Meets With: 001 EPSY 5001; James Houseworth ; 3 cr.

17097 004 LAB, 14:30-15:45 Th, Scott Hall 4, In Person Term Based; Meets With: 004 EPSY 5001; James Houseworth ; 3 cr.

3264 Basic and Applied Statistics**(Student Option; MATH)**

16483 004 LEC, 00:00-00:00 , ONLINE, Completely Online; Suzanne Loch ; 3 cr.

16890 001 LEC, 09:45-11:00 MW, Bruininks Hall 420B, In Person Term Based; Regina Lisinker ; 3 cr.

16891 002 LEC, 09:45-11:00 TTh, Bruininks Hall 131A, In Person Term Based; Qian Zhao ; 3 cr.

16892 003 LEC, 13:00-14:15 TTh, Bruininks Hall 530B, In Person Term Based; Suzanne Loch ; 3 cr.

3301 Introduction to Educational**Psychology****(Student Option No Audit; SOCS)**

16772 001 LEC, 14:30-15:45 TTh, Burton Hall 123, In Person Term Based; Martin Van Boekel ; 3 cr.

3701 Practicum: Field Experience in General Education - Inclusive Classrooms**(S-N only;)**

17099 001 FWK, In Person Term Based; 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)**

34074 001 LEC, 09:45-11:00 MW, Elliott Hall N119, In Person Term Based; Jessie Kember ; 3 cr.

4994 Faculty Directed Research in**Educational Psychology****(A-F only; Prereq: instr consent)**

34268 001 IND, In Person Term Based; 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)**

16372 001 LEC, 14:30-15:45 T, Smith Hall 331, In Person Term Based; Meets With: 001 EPSY 3119; James Houseworth ; 3 cr.

17021 003 LAB, 14:30-15:45 Th, Mechanical Engineering 102, In Person Term Based; Meets With: 003 EPSY 3119; James Houseworth ; 3 cr.

17096 004 LAB, 14:30-15:45 Th, Scott Hall 4, In Person Term Based; Meets With: 004 EPSY 3119; James Houseworth ; 3 cr.

5016 Teaching Students with Special Needs in Inclusive Settings**(A-F only; Prereq: Enrolled in teacher initial licensure program)**

16949 001 LEC, 16:40-19:20 Th, Burton Hall 120, 16:40-19:20 Th, Burton Hall 120, 16:40-19:20 Th, Burton Hall 120, 16:40-19:20 Th, Burton Hall 120, 16:40-19:20 Th, Burton Hall 120, 16:40-19:20 Th, Burton Hall 120, 16:40-19:20 Th, Burton Hall 120, In Person Term Based; Brian Abery, Renata Ticha, ; 1 cr.

16950 002 LEC, 12:30-15:10 M, Peik Gymnasium G65, 12:30-15:10 M, Peik Gymnasium G65, 12:30-15:10 M, Peik Gymnasium G65, 12:30-15:10 M, Peik Gymnasium G65, 12:30-15:10 M, Peik Gymnasium G65, In Person Term Based; Amber Reilly, ; 1 cr.

5101 Intelligence and Creativity**(A-F or Audit;)**

16472 001 LEC, 00:00-00:00 , ONLINE, Completely Online; William Bart ; 3 cr.

5114 Psychology of Student Learning**(A-F or Audit;)**

17680 001 LEC, 09:45-11:00 TTh, Appleby Hall 302, In Person Term Based; Martin Van Boekel ; 3 cr.

5122 Programming Fundamentals for Social Science Research**(Student Option;)**

17752 001 DIS, 14:30-17:10 W, Peik Hall 28, In Person Term Based; Jeffrey Bye ; 3 cr.

5135 Human Relations Workshop**(Student Option;)**

16392 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Maria Pabon ; 4 cr.

5216 Introduction to Research in Educational Psychology and Human Development**(A-F or Audit; Prereq: 5261 or intro statistics course)**

16286 001 DIS, 09:30-12:15 M, Burton Hall 125, In Person Term Based; Geoffrey Maruyama ; 3 cr.

5221 Principles of Educational and Psychological Measurement**(Student Option;)**

16444 001 LEC, 09:45-11:00 MW, Blegen Hall 140, In Person Term Based; Nana Kim ; 3 cr.

5243 Principles and Methods of Evaluation**(Student Option;)**

16470 001 LEC, 16:40-19:20 M, Peik Hall 28, In Person Term Based; Meets With: 001 OLPD 5501; John LaVelle ; 3 cr.

16471 002 LEC, Completely Online; Meets With: 002 OLPD 5501; Stuart Yeh ; 3 cr.

5244 Survey Design, Sampling, and Implementation**(Student Option; Prereq: [5221 or 5231 or 5261 or equiv], [CEHD grad student or MEd student])**

17669 001 LEC, 16:40-19:20 W, Peik Hall 215, In Person Term Based; Joseph Rios ; 3 cr.

5247 Qualitative Methods in Educational Psychology**(Student Option; Prereq: Graduate student or Applied Psychology in Educational and Community Settings Minor)**

17670 001 LEC, 16:40-19:30 M, Appleby Hall 303, In Person Term Based; Michael Beckstrand ; 3 cr.

5261 Introductory Statistical Methods**(Student Option;)**

17614 002 LEC, 09:45-11:00 TTh, Peik Hall 28, In Person Term Based; Chelsey Legacy ; 3 cr.

17615 003 LEC, Completely Online; Chelsey Legacy ; 3 cr.

17616 004 LEC, Completely Online; Chelsey Legacy ; 3 cr.

5400 Special Topics in Counseling Psychology**(Student Option;)**

33867 001 LEC, 14:30-16:20 W, Peik Hall 225, In Person Term Based; Marguerite Ohrtman ; 1-4 cr.

5402 Counseling History and Theories**(A-F only;)**

16234 001 LEC, 12:30-14:45 Th, Bruininks Hall 512B, In Person Term Based; Feven Seifu ; 3 cr.

5408 Evidence-Based Counseling Relationships**(A-F only;)**

17581 001 LAB, 13:00-15:45 T, Anderson Hall 350, In Person Term Based; Seth Christman ; 3 cr.

5414 School Counselor Accountability, Advocacy, and Leadership**(A-F only;)**

17672 001 LEC, 15:35-17:30 T, Appleby Hall 226, In Person Term Based; Carolyn Berger ; 3 cr.

5416 Introduction to Clinical Mental Health Counseling**(A-F only;)**

17583 001 LEC, 09:45-12:15 W, Hubert H. Humphrey School 30, In Person Term Based; Seth Christman ; 3 cr.

5417 Counseling Research Practicum**(Student Option;)**

32629 001 DIS, 13:00-15:00 M, Twin Cities Remote, Completely Online; Sherri Turner ; 1-2 cr.

34121 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)**

32657 001 DIS, 13:00-15:00 M, Twin Cities Remote, Completely Online; Sherri Turner ; 2 cr.

5429 Advanced Concepts in Community Counseling**(A-F only;)**

17584 001 LEC, 13:00-15:45 Th, Nicholson Hall 345, In Person Term Based; Sherri Turner ; 3 cr.

5435 Introduction to School Counseling**(A-F only; Prereq: Ed Psych Counselor Ed grad student in school counselor prog or instr consent)**

17582 001 LEC, 09:45-12:15 W, Akerman Hall 227, In Person Term Based; Marguerite Ohrtman ; 3 cr.

5483 Internship I**(A-F or Audit;)**

16235 001 FWK, 09:00-12:00 W, Education Sciences Bldg 125, In Person Term Based; Feven Seifu ; 3 cr.

16431 003 FWK, 12:00-15:00 T, Education Sciences Bldg 125, In Person Term Based; Marguerite Ohrtman ; 3 cr.

17673 002 FWK, 15:00-18:00 W, Education Sciences Bldg 125, In Person Term Based; Seth Christman ; 3 cr.

32621 004 FWK, 12:00-15:00 T, Education Sciences Bldg 330, In Person Term Based; Carolyn Berger ; 3 cr.

5609 Infants and Toddlers with Delays/Disabilities: Family-Centered Approaches to Early Intervention (A-F or Audit;)

34028 001 LEC, 16:40-19:20 T, Twin Cities Remote, Completely Online; Brenna Rudolph ; 3 cr.

5614W Assessment and Due Process in Special Education (A-F or Audit; WI)

17331 001 LEC, 16:40-19:30 Th, Appleby Hall 226, In Person Term Based; 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)

16230 001 LEC, 14:30-15:45 TTh, Peik Hall 28, In Person Term Based; Robert Henery ; 3 cr.

16823 003 LEC, 16:40-19:20 M, Twin Cities Remote, Completely Online; Amy Kunkel ; 3 cr.

5618 Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language (A-F or Audit;)

17074 001 DIS, 16:40-19:20 W, Twin Cities Remote, Completely Online; Michele Rogers ; 3 cr.

5623 Ethics in Applied Behavior Analysis (A-F only;)

17734 001 LEC, 12:20-15:20 T, Hubert H. Humphrey School 15, In Person Term Based; Rebecca Kolb ; 3 cr.

5625 Education of Infants, Toddlers, and Preschool Children with Disabilities: Introduction (A-F or Audit;)

16231 001 LEC, Completely Online; Brenna Rudolph ; 2 cr.

5631 Module 1: Introduction to Augmentative and Alternative Communication (A-F only;)

17024 001 LEC, Completely Online; Brenna Pham ; 1 cr.

5632 Module 2: Evidence-based Methods for AAC Assessment and Intervention (A-F only;)

17076 001 LEC, Completely Online; Brenna Pham ; 2 cr.

5641 Foundations of Deaf Education (A-F only;)

17284 001 LEC, 16:40-19:20 M, Twin Cities Remote, Completely Online; Brynne Roemen ; 3 cr.

5643 Seminar: Identity, Culture and Diversity in Deaf Education (A-F only;)

17366 001 DIS, 16:40-18:20 T, Lrng & Environmental Sci 140A, In Person Term Based; Debbie Golos ; 2 cr.

5644 Early Childhood Language and Literacy Development and Best Practices: Deaf and Hard of Hearing (A-F only; Prereq: Preservice teacher in deaf education licensing program or instr consent)

17285 001 LEC, 16:40-19:20 W, Lrng & Environmental Sci 140A, In Person Term Based; Debbie Golos ; 3 cr.

5652 Incorporating Academic ASL in the Classroom: Deaf and Hard of Hearing (A-F only;)

17367 001 LEC, 16:40-19:20 W, Lrng & Environmental Sci 140B, In Person Term Based; Janet Caven ; 3 cr.

5653 ASL/English Structure and Application (A-F only;)

17286 001 LEC, 16:40-19:20 Th, Lrng & Environmental Sci 140A, In Person Term Based; Janet Caven ; 3 cr.

5657 Interventions for Behavioral Problems in School Settings (A-F or Audit;)

17260 001 LEC, 16:40-19:20 T, Peik Hall 215, In Person Term Based; Rebecca Kolb ; 3 cr.

5659 Foundations of Behavior Analysis (A-F only;)

17368 001 LEC, 10:10-12:10 M, Ford Hall 115, In Person Term Based; Rebecca Kolb ; 3 cr.

5661 Introduction to Autism Spectrum Disorder (A-F only;)

16688 001 LEC, 16:40-19:20 W, Twin Cities Remote, Completely Online; M. Y. Savana Bak ; 3 cr.

5699 Experimental Teaching Seminar (A-F only; Prereq: instr consent)

17156 001 LEC, 16:40-18:20 W, Bruininks Hall 530B, 16:40-18:20 W, Bruininks Hall 530B, 16:40-18:20 W, Bruininks Hall 530B, 16:40-18:20 W, Bruininks Hall 530B, In Person Term Based; Robert Henery ; 2 cr.

5701 Practicum: Field Experience in General Education - Inclusive Classrooms (S-N only;)

16378 001 FWK, In Person Term Based; Charissa O'Neill ; 1-2 cr.

5702 Applied Behavior Analysis: Supervision Seminar I (A-F only;)

34053 001 FWK, 10:00-10:50 T, Wulling Hall 220, 11:00-11:50 T, Bruininks Hall 144, In Person Term Based; Jennifer McComas ; 1 cr.

5704 Clinical: Field Experiences in Middle and Secondary (HS/T) Special Education Classrooms (S-N only;)

17164 001 FWK, In Person Term Based; Charissa O'Neill ; 1-2 cr.

17190 002 FWK, In Person Term Based; Charissa O'Neill ; 1-2 cr.

17191 003 FWK, In Person Term Based; Brynne Roemen ; 1-2 cr.

17192 004 FWK, In Person Term Based; Brynne Roemen ; 1-2 cr.

5705 Clinical: Field Experiences in ECSE or Elementary Special Education Classrooms (S-N only;)

17037 001 FWK, In Person Term Based; Charissa O'Neill ; 1-2 cr.

17038 002 FWK, In Person Term Based; Charissa O'Neill ; 1-2 cr.

17225 003 FWK, In Person Term Based; Brynne Roemen ; 1-2 cr.

17226 004 FWK, In Person Term Based; Brynne Roemen ; 1-2 cr.

5741 Student Teaching: Academic and Behavioral Strategist (S-N only; Prereq: Special education licensure program or instr consent)

17155 001 FWK, 17:00-19:00 W, Peik Hall 225, 17:00-19:00 W, Peik Hall 225, 17:00-19:00 W, Peik Hall 225, 17:00-19:00 W, Peik Hall 225, In Person Term Based; Meets With: 001 EPSY 5762001 EPSY 5761; Brenna Rudolph ; 3-6 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)

16850 001 FWK, 17:00-19:00 W, Peik Hall 225, 17:00-19:00 W, Peik Hall 225, 17:00-19:00 W, Peik Hall 225, 17:00-19:00 W, Peik Hall 225, In Person Term Based; Meets With: 001 EPSY 5741001 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)

16851 001 FWK, 17:00-19:00 W, Peik Hall 225, 17:00-19:00 W, Peik Hall 225, 17:00-19:00 W, Peik Hall 225, 17:00-19:00 W, Peik Hall 225, In Person Term Based; Meets With: 001 EPSY 5741001 EPSY 5761; Brenna Rudolph ; 3 cr.

5763 Practicum in Special Education: Behavior Intervention Planning and Implementation (S-N only;)

34130 001 FWK, In Person Term Based; Robert Henery ; 2 cr.

5765 Practicum in Special Education: Instructional Planning and Delivery (S-N only;)

17754 001 FWK, In Person Term Based; Robert Henery ; 2 cr.

5991 Independent Study in Educational Psychology (A-F or Audit; Prereq: instr consent)

16318 001 IND, 16:40-18:20 Th, Lab TBA, In Person Term Based; Amy Kunkel ; 1-8 cr.

16320 003 IND, Independent/Directed Study; 1-8 cr.

16321 004 IND, Independent/Directed Study; 1-8 cr.

17148 005 IND, Independent/Directed Study; 1-8 cr.

17333 006 IND, 16:40-18:20 Th, Lab TBA, In Person Term Based; 1-8 cr.

Educational/Human Development (EDHD)

1525V CEHD First Year Experience

(A-F only; Prereq: CEHD student, honors, 1st-term frWI)

33233 002 LEC, 09:05-11:00 MW, Appleby Hall 319, In Person Term Based; Meets With: 010 EDHD 1525V; Margaret Kelly ; 4 cr.

33234 003 LEC, 10:10-12:05 MW, Burton Hall 123, In Person Term Based; Meets With: 001 EDHD 1525V; Daheia Barr-Anderson ; 4 cr.

1525W CEHD First Year Experience

(A-F only; WI)

17207 001 LEC, 10:10-12:05 MW, Burton Hall 123, In Person Term Based; Meets With: 003 EDHD 1525V; Daheia Barr-Anderson ; 4 cr.

17208 002 LEC, 13:25-15:20 Th, ONLINE BLENDED, 13:25-15:20 T, Peik Hall 375, Partially Online; Andrea Silva ; 4 cr.

17209 003 LEC, 11:15-13:10 Th, ONLINE BLENDED, 11:15-13:10 T, Molecular Cellular Biol 2-122, Partially Online; Andrea Silva ; 4 cr.

17210 004 LEC, 10:10-12:05 MW, Appleby Hall 219, In Person Term Based; Jonathan Andicochea ; 4 cr.

17211 006 LEC, 11:15-13:10 TTh, Peik Hall 225, In Person Term Based; Colleen Clements ; 4 cr.

17212 007 LEC, Completely Online; Molly Rojas Collins ; 4 cr.

17213 008 LEC, 15:35-17:30 W, ONLINE BLENDED, 15:35-17:30 M, Folwell Hall 104, Partially Online; Minerva Munoz ; 4 cr.

17214 009 LEC, 10:10-12:05 MW, Appleby Hall 103, In Person Term Based; Zer Vang ; 4 cr.

17215 010 LEC, 09:05-11:00 MW, Appleby Hall 319, In Person Term Based; Meets With: 002 EDHD 1525V; Margaret Kelly ; 4 cr.

17216 011 LEC, 09:05-11:00 MW, Appleby Hall 226, In Person Term Based; James Houseworth ; 4 cr.

17217 012 LEC, 15:35-17:30 MW, Amundson Hall 162, In Person Term Based; Abigail Rombalski ; 4 cr.

17218 013 LEC, 13:25-15:20 MW, Kolthoff Hall 138, In Person Term Based; Alexandra Klapperich ; 4 cr.

17219 015 LEC, 14:30-16:25 TTh, Appleby Hall 319, In Person Term Based; Barbara Hodne ; 4 cr.

17221 018 LEC, 10:10-12:05 TTh, Ford Hall B80, In Person Term Based; Amani Berry ; 4 cr.

17478 019 LEC, 11:15-13:10 MW, Appleby Hall 3, In Person Term Based; Irene Duranczyk ; 4 cr.

17681 005 LEC, 15:35-17:30 MW, Appleby Hall 319, In Person Term Based; Tasia Tighe ; 4 cr.

17682 020 LEC, 09:05-11:00 Th, ONLINE BLENDED, 09:05-11:00 T, Appleby Hall 303, Partially Online; Anne Larson ; 4 cr.

33800 016 LEC, 10:10-12:05 TTh, Child Development 126, In Person Term Based; Charisse Pickron ; 4 cr.

33802 022 LEC, 14:30-16:25 Th, ONLINE BLENDED, 14:30-16:25 T, Appleby Hall 303, Partially Online; Jonathan Stuart ; 4 cr.
 33803 023 LEC, 14:30-16:25 W, ONLINE BLENDED, 14:30-16:25 M, Appleby Hall 226, Partially Online; Lori Laster ; 4 cr.
 33804 024 LEC, 10:10-12:05 TTh, Anderson Hall 310, In Person Term Based; Jennifer Witt ; 4 cr.
 33805 025 LEC, 09:05-11:00 MW, Bruininks Hall 117, In Person Term Based; Sarah Wollersheim Shery; 4 cr.
 33806 026 LEC, 09:05-11:00 MW, Akerman Hall 211, In Person Term Based; Jennifer Witt ; 4 cr.
 33807 027 LEC, 09:05-11:00 Th, ONLINE BLENDED, 09:05-11:00 T, Bruininks Hall 144, Partially Online; Anthony Albecker ; 4 cr.
 34492 028 LEC, 12:20-14:15 W, ONLINE BLENDED, 12:20-14:15 M, Peik Hall 315, Partially Online; Elise Toedt ; 4 cr.

1620 Current Topics: Strategies for Student Success (Student Option;)

33537 001 LEC, 14:30-16:25 Th, Amundson Hall 104, In Person Term Based; Jonathan Andicoechea ; 1-4 cr.
 33538 002 LEC, 12:20-14:15 Th, Blegen Hall 330, In Person Term Based; Sophie Olson ; 1-4 cr.
 33539 003 LEC, 11:15-13:10 W, Peik Hall 225, In Person Term Based; Stephanie Erickson ; 1-4 cr.

1701 Identity, Culture, and College Success (A-F only; Prereq: TRIO or PES student)

16978 001 DIS, 14:30-15:20 W, Wulling Hall 220, In Person Term Based; Tasia Tigues, Anna Mraz, Christopher Yang ; 1 cr.
 16979 002 DIS, 09:05-09:55 W, Wulling Hall 220, In Person Term Based; Consuelo Gutierrez-Crosby, True Xiong ; 1 cr.
 16980 003 DIS, 14:30-15:20 Th, Bruininks Hall 123, In Person Term Based; Chingla Thao, Linda Kim ; 1 cr.
 16981 004 DIS, 10:10-11:00 F, Appleby Hall 223, In Person Term Based; Consuelo Gutierrez-Crosby, True Xiong ; 1 cr.
 17012 005 DIS, 14:30-15:20 T, Bruininks Hall 119, In Person Term Based; Kevin Xiong ; 1 cr.
 17013 006 DIS, 14:30-15:20 T, Campbell Hall 140, In Person Term Based; Danielle Schnettler ; 1 cr.
 17721 007 DIS, 14:30-15:20 T, Bruininks Hall 530B, In Person Term Based; Marjorie Grevious ; 1 cr.
 17722 008 DIS, 14:30-15:20 W, Amundson Hall 158, In Person Term Based; Kevin Xiong ; 1 cr.
 17723 009 DIS, 14:30-15:20 W, Tate Hall B55, In Person Term Based; Danielle Schnettler ; 1 cr.

1904 Globalizing your Undergraduate Curriculum (A-F only; GP,IP)

33170 001 LEC, 17:00-20:00 T, Appleby Hall 303, In Person Term Based; Irene Duranczyk ; 3 cr.

Electrical & Computer Eng (EE)

1301 Introduction to Computing Systems (Student Option;)

24384 001 LEC, 14:30-15:45 TTh, Smith Hall 231, In Person Term Based; John Sartori ; 4 cr.
 24385 002 LAB, 11:15-13:10 M, Keller Hall 4-138, In Person Term Based; John Sartori ; 4 cr.
 24994 003 LAB, 15:35-16:25 M, Keller Hall 4-138, In Person Term Based; John Sartori ; 4 cr.
 24995 007 LAB, 11:15-13:10 T, Keller Hall 4-138, In Person Term Based; John Sartori ; 4 cr.
 26077 004 LAB, 09:05-11:00 T, Keller Hall 4-138, In Person Term Based; John Sartori ; 4 cr.
 26197 008 LAB, 09:05-11:00 Th, Keller Hall 4-138, In Person Term Based; John Sartori ; 4 cr.
 26645 009 LAB, 11:15-13:10 Th, Keller Hall 4-138, In Person Term Based; John Sartori ; 4 cr.

1701 Climate Crisis: Implementing Solutions (Student Option; TS)

26218 001 LEC, 08:15-09:30 TTh, Twin Cities Remote, Completely Online; Ned Mohan ; 3 cr.

1703 Laboratory for Climate Crisis: Implementing Solutions (Student Option; Prereq: EE 1701 or concurrent registration is required (or allowed) in EE 1701PHYS)

26341 001 LAB, 15:45-17:45 M, Keller Hall 3-146, In Person Term Based; Ned Mohan ; 1 cr.
 26342 002 LAB, 15:45-17:45 W, Keller Hall 3-146, In Person Term Based; Ned Mohan ; 1 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))

26503 001 LEC, 09:45-11:00 TTh, Amundson Hall B75, In Person Term Based; Nicola Elia ; 4 cr.
 26504 003 LAB, 11:15-13:10 M, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.
 26505 004 LAB, 13:25-15:20 M, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.
 26506 005 LAB, 11:15-13:10 T, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.
 26507 006 LAB, 13:25-15:20 T, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.
 26508 007 LAB, 11:15-13:10 W, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.
 26509 008 LAB, 13:25-15:20 W, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.
 26510 009 LAB, 11:15-13:10 Th, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.
 26511 010 LAB, 13:25-15:20 Th, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.
 26512 011 LAB, 11:15-13:10 F, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.
 26513 012 LAB, 13:25-15:20 F, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.
 26514 020 DIS, 14:30-15:20 T, Amundson Hall 116, In Person Term Based; Donatello Materassi ; 4 cr.
 26515 021 DIS, 15:25-16:20 T, Molecular Cellular Biol 2-120, In Person Term Based; Soheil Mohajer ; 4 cr.
 26516 022 DIS, 13:25-14:15 W, Bruininks Hall 530A, In Person Term Based; Nicola Elia ; 4 cr.
 26517 023 DIS, 14:30-15:20 W, Amundson Hall 120, In Person Term Based; Nicola Elia ; 4 cr.
 34517 013 LAB, 15:35-17:30 F, Keller Hall 3-144, In Person Term Based; Nicola Elia ; 4 cr.

2115 Analog and Digital Electronics (Student Option; Prereq: 2015)

26776 001 LEC, 09:45-11:00 TTh, Akerman Hall 225, In Person Term Based; 4 cr.
 26777 002 LAB, 11:15-13:10 M, Keller Hall 3-136, In Person Term Based; 4 cr.
 26778 003 LAB, 13:25-15:20 M, Keller Hall 3-136, In Person Term Based; 4 cr.
 26779 004 LAB, 11:15-13:10 T, Keller Hall 3-136, In Person Term Based; Ted Higman ; 4 cr.
 26781 020 DIS, 11:15-12:05 F, Vincent Hall 301, In Person Term Based; Ted Higman ; 4 cr.
 26782 021 DIS, 12:20-13:10 F, Vincent Hall 301, In Person Term Based; Bethanie Stadler ; 4 cr.

2301 Introduction to Digital System Design (Student Option; Prereq: [EE 1301 (preferred) or CSCI 1113 or CSCI 1103 or CSCI 1133])

24020 001 LEC, 09:05-09:55 MW, Anderson Hall 250, In Person Term Based; Marc Riedel ; 4 cr.
 24021 002 LAB, 11:15-13:10 M, Keller Hall 2-178, In Person Term Based; Marc Riedel ; 4 cr.
 24022 003 LAB, 13:25-15:20 M, Keller Hall 2-178, In Person Term Based; Marc Riedel ; 4 cr.
 24023 004 LAB, 15:35-17:30 M, Keller Hall 2-178, In Person Term Based; Marc Riedel ; 4 cr.
 24024 005 LAB, 11:15-13:10 T, Keller Hall 2-178, In Person Term Based; Marc Riedel ; 4 cr.
 24025 006 LAB, 13:25-15:20 T, Keller Hall 2-178, In Person Term Based; Marc Riedel ; 4 cr.
 24026 007 LAB, 15:35-17:30 T, Keller Hall 2-178, In Person Term Based; Marc Riedel ; 4 cr.
 24027 009 LAB, 13:25-15:20 W, Keller Hall 2-178, In Person Term Based; Marc Riedel ; 4 cr.
 24028 010 LAB, 15:35-17:30 W, Keller Hall 2-178, In Person Term Based; Marc Riedel ; 4 cr.
 25542 020 DIS, 14:30-15:20 T, Amundson Hall 120, In Person Term Based; Marc Riedel ; 4 cr.
 25543 021 DIS, 14:30-15:20 W, Amundson Hall 124, In Person Term Based; Gerald Sobelman ; 4 cr.
 25544 022 DIS, 14:30-15:20 Th, Amundson Hall 116, In Person Term Based; Vladimir Cherkassky ; 4 cr.
 26065 008 LAB, 11:15-13:10 W, Keller Hall 2-178, In Person Term Based; Marc Riedel ; 4 cr.

2361 Introduction to Microcontrollers (Student Option; Prereq: EE 2010)

24043 001 LEC, 10:10-11:00 MW, Tate Hall B20, In Person Term Based; Thomas Posbergh ; 4 cr.
 24323 002 LAB, 11:15-13:05 Th, Keller Hall 2-182, In Person Term Based; Thomas Posbergh ; 4 cr.
 24324 003 LAB, 13:25-15:15 Th, Keller Hall 2-182, In Person Term Based; Thomas Posbergh ; 4 cr.
 24325 004 LAB, 11:15-13:05 F, Keller Hall 2-182, In Person Term Based; Thomas Posbergh ; 4 cr.
 25545 020 DIS, 12:20-13:10 W, Keller Hall 4-138, In Person Term Based; Thomas Posbergh ; 4 cr.
 25641 022 DIS, 13:25-14:15 W, Keller Hall 4-138, In Person Term Based; 4 cr.

27016 007 LAB, 14:30-16:20 W, Keller Hall 2-182, In Person Term Based; Thomas Posbergh ; 4 cr.

3005 Fundamentals of Electrical Engineering (Student Option; Prereq: Math 2243, Phys 1302; not for EE majors)

24033 001 LEC, 08:00-08:50 MTWTh, Keller Hall 3-210, In Person Term Based; Abolghassem Mahmoodi ; 4 cr.
 26171 883 LEC, 08:00-08:50 MTWTh, Twin Cities Remote, Completely Online; Abolghassem Mahmoodi ; 4 cr.

3006 Fundamentals of Electrical Engineering Laboratory (Student Option; Prereq: Concurrent enrollment in 3005 is allowed but not required)

24034 001 LAB, 15:35-17:30 M, Keller Hall 3-136, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 24035 002 LAB, 15:35-17:30 M, Keller Hall 3-144, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 24036 004 LAB, 15:35-17:30 T, Keller Hall 3-136, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 24037 006 LAB, 11:15-13:10 W, Keller Hall 3-136, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 24038 007 LAB, 13:25-15:20 W, Keller Hall 3-136, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 24039 008 LAB, 15:35-17:30 W, Keller Hall 3-136, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 24040 009 LAB, 15:35-17:30 W, Keller Hall 3-144, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 24041 010 LAB, 11:15-13:10 Th, Keller Hall 3-136, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 24386 005 LAB, 15:35-17:30 T, Keller Hall 3-144, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 25273 014 LAB, 11:15-13:10 F, Keller Hall 3-136, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 25768 013 LAB, 15:35-17:30 Th, Keller Hall 3-144, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 25839 012 LAB, 15:35-17:30 Th, Keller Hall 3-136, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 25852 011 LAB, 13:25-15:20 Th, Keller Hall 3-136, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.
 25853 016 LAB, 15:35-17:30 F, Keller Hall 3-136, In Person Term Based; Abolghassem Mahmoodi ; 1 cr.

3015 Signals and Systems

(Student Option; Prereq: [2115, CSE Upper Division] or dept consent)

24131 001 LEC, 13:00-14:15 TTh, Tate Hall 105, In Person Term Based; Mostafa Kaveh ; 3 cr.
 24132 002 DIS, 09:05-09:55 M, Keller Hall 3-170, In Person Term Based; Mostafa Kaveh ; 3 cr.
 24133 003 DIS, 10:10-11:00 T, Keller Hall 3-170, In Person Term Based; Georgios Giannakis ; 3 cr.
 24134 005 DIS, 10:10-11:00 W, Keller Hall 3-170, In Person Term Based; Yahya Tousei ; 3 cr.
 26175 006 DIS, 10:10-11:00 Th, Keller Hall 3-170, In Person Term Based; 3 cr.

3025 Statistical Methods in Electrical and Computer Engineering (Student Option; Prereq: [3015, CSE upper division] or instr approval)

24030 001 LEC, 13:00-14:15 TTh, Smith Hall 231, In Person Term Based; Martina Cardone ; 3 cr.
 24032 003 DIS, 09:05-09:55 T, Keller Hall 3-170, In Person Term Based; Jarvis Haupt ; 3 cr.
 24998 004 DIS, 10:10-11:00 W, Keller Hall 4-138, In Person Term Based; Martina Cardone ; 3 cr.

3101 Signals, Circuits and Electronics Laboratory (A-F only; Prereq: [2115, &3015, &3115, CSE Upper Division] or dept consent)

24137 001 LAB, 09:05-09:55 M, Keller Hall 3-146, In Person Term Based; Emad Ebbini ; 1 cr.
 24138 003 LAB, 09:05-09:55 T, Keller Hall 3-136, In Person Term Based; Emad Ebbini ; 1 cr.
 24139 004 LAB, 10:10-11:00 T, Keller Hall 3-136, In Person Term Based; Emad Ebbini ; 1 cr.
 24140 005 LAB, 09:05-09:55 W, Keller Hall 3-136, In Person Term Based; Emad Ebbini ; 1 cr.
 24141 006 LAB, 10:10-11:00 W, Keller Hall 3-136, In Person Term Based; Emad Ebbini ; 1 cr.
 25000 002 LAB, 10:10-11:00 M, Keller Hall 3-136, In Person Term Based; Emad Ebbini ; 1 cr.
 26639 008 LAB, 10:10-11:00 Th, Keller Hall 3-136, In Person Term Based; Emad Ebbini ; 1 cr.
 26640 010 LAB, 10:10-11:00 F, Keller Hall 3-136, In Person Term Based; Emad Ebbini ; 1 cr.

3115 Analog Electronics

(Student Option; Prereq: [EE 2115, &EE 3015, CSE upper division] or dept consent)

24143 001 LEC, 13:25-14:15 MWF, Tate Hall 101, In Person Term Based; William Robbins ; 3 cr.
 24144 002 DIS, 15:35-16:25 M, Keller Hall 3-170, In Person Term Based; William Robbins ; 3 cr.
 24146 004 DIS, 15:35-16:25 W, Keller Hall 3-170, In Person Term Based; 3 cr.
 24147 005 DIS, 14:30-15:20 Th, Keller Hall 3-170, In Person Term Based; William Robbins ; 3 cr.
 25767 006 DIS, 14:30-15:20 F, Keller Hall 3-170, In Person Term Based; William Robbins ; 3 cr.

3161 Semiconductor Devices

(Student Option; Prereq: Upper div CSE, 2115, Phys 1302, Phys 2303 or Chem 1022)
 24177 001 LEC, 11:15-12:05 MWF, Rapson Hall 56, In Person Term Based; Sarah Swisher ; 3 cr.
 24178 002 DIS, 14:30-15:20 M, Akerman Hall 313, In Person Term Based; Sarah Swisher ; 3 cr.
 24541 004 DIS, 15:35-16:25 Th, Bruininks Hal 121, In Person Term Based; Sarah Swisher ; 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 consent)
 24135 001 LEC, 12:20-13:10 MWF, Armory Building 202, In Person Term Based; Hye Yoon Park ; 3 cr.
 24136 002 DIS, 14:30-15:20 F, Akerman Hall 227, In Person Term Based; Hye Yoon Park ; 3 cr.

3951W Junior Design Project

(Student Option; Prereq - EE 3101. Team participation in formulating/solving a structured common design problem emphasizing instrumentation systems. Oral/written presentations.WI)
 34293 001 DIS, 10:10-11:00 M, Molecular Cellular Biol 2-120, In Person Term Based; Ted Higman ; 2 cr.
 34294 002 LAB, 09:05-11:00 T, Keller Hall 3-144, In Person Term Based; Ted Higman ; 2 cr.
 34295 003 LAB, 09:05-11:00 W, Keller Hall 3-144, In Person Term Based; Ted Higman ; 2 cr.
 34296 004 LAB, 09:05-11:00 Th, Keller Hall 3-144, In Person Term Based; Ted Higman ; 2 cr.
 34297 005 LAB, 09:05-11:00 F, Keller Hall 3-144, In Person Term Based; Ted Higman ; 2 cr.

3990 Curricular Practical Training

(S-N only; Prereq: instr consent, undergrad EE or CompE major)
 25275 001 FWK, 00:00-00:00 , , Independent/Directed Study; James Leger ; 1-2 cr.

4231 Linear Control Systems: Designed by Input/Output Methods

(Student Option; Prereq: [3015, [upper div CSE or grad student in CSE major]] or instr consent)
 24158 001 LEC, 13:25-14:15 MWF, Nicholson Hall 275, In Person Term Based; Meets With: 001 AEM 4321; Donatello Materassi ; 3 cr.

4235 Linear Control Systems Laboratory

(Student Option; Prereq: 4231 or concurrent registration is required (or allowed) in 4231)
 25001 002 LAB, 14:30-16:25 T, Keller Hall 2-188, In Person Term Based; Murti Salapaka ; 1 cr.
 26009 001 LAB, 11:15-13:10 T, Keller Hall 2-188, In Person Term Based; Murti Salapaka ; 1 cr.

4301 Digital Design With Programmable Logic

(Student Option; Prereq: 2301, [1301 or CSCI 1113 or CSCI 1901])
 24172 001 LEC, 09:05-09:55 MWF, Akerman Hall 313, In Person Term Based; Thomas Posbergh ; 4 cr.
 24173 002 LAB, 14:30-16:25 W, Keller Hall 2-172, In Person Term Based; Thomas Posbergh ; 4 cr.
 24174 003 LAB, 10:10-12:05 Th, Keller Hall 2-172, In Person Term Based; Thomas Posbergh ; 4 cr.
 24175 004 LAB, 10:10-12:05 F, Keller Hall 2-172, In Person Term Based; Thomas Posbergh ; 4 cr.

4363 Computer Architecture and Machine Organization

(Student Option; Prereq: 2361)
 24578 001 LEC, 11:15-12:30 TTh, Keller Hall 3-210, In Person Term Based; Meets With: 001 CSCI 4203; Antonia Zhai ; 4 cr.

4389W Introduction to Predictive Learning

(Student Option; Prereq: [3025, ECE student] or STAT 3022; computer programming or MATLAB or similar environment is recommended for ECE studentsWI)

33130 001 LEC, 14:30-15:45 MW, Keller Hall 3-111, In Person Term Based; Meets With: 001 EE 5389; Vladimir Cherkassky ; 3 cr.

4521 Introduction to Machine Learning and Data Science for Electrical and Computer Engineers

(Student Option; Prereq: EE3025; MATH 2263 or 2374; MATH 2142, 2243, 2373 or CSCI 2033)
 27022 001 LEC, 11:15-12:30 MW, Mechanical Engineering 321, In Person Term Based; Jarvis Haupt ; 3 cr.

4541 Digital Signal Processing

(Student Option; Prereq: [3015, 3025] or instr consent prereq: [3015, 3025] or instr consent)
 24042 001 LEC, 09:45-11:00 MW, Nicholson Hall 125, In Person Term Based; Georgios Giannakis ; 3 cr.

4607 Wireless Hardware System Design

(Student Option; Prereq: [3015, 3115, 3601, CSE student] or dept consent)
 26790 001 LEC, 13:00-14:15 TTh, Amundson Hall 116, In Person Term Based; Yahya Tousi ; 3 cr.

4623 Introduction to Modern Optics

(Student Option; Prereq: [Phys 2503 or Phys 2303] and [Math 2374 or MATH 2263 or MATH 2573H]; instr consent.)
 26604 001 LEC, 09:45-11:00 TTh, Tate Hall 110, In Person Term Based; Meets With: 100 PHYS 4623; Joseph Talghader ; 3 cr.

4701 Electric Drives

(Student Option; Prereq: 3015)
 26791 001 LEC, 13:00-14:15 WF, Peik Hall 28, In Person Term Based; Paul Imbertson ; 3 cr.

4703 Electric Drives Laboratory

(Student Option; Prereq: 4701 or concurrent registration is required (or allowed) in 4701)
 26794 003 LAB, 10:10-12:05 W, Keller Hall 3-146, In Person Term Based; Paul Imbertson ; 1 cr.
 26795 004 LAB, 10:10-12:05 Th, Keller Hall 3-146, In Person Term Based; Paul Imbertson ; 1 cr.
 26796 005 LAB, 08:00-09:55 F, Keller Hall 3-146, In Person Term Based; Paul Imbertson ; 1 cr.
 26797 006 LAB, 14:30-16:25 F, Keller Hall 3-146, In Person Term Based; Paul Imbertson ; 1 cr.

4721 Introduction to Power System Analysis

(Student Option; Prereq: 2011)
 25469 001 LEC, 13:00-14:15 TTh, Nicholson Hall 125, In Person Term Based; Sairaj Dhople ; 3 cr.

4722 Power System Analysis Laboratory

(Student Option; Prereq: 4721 or concurrent registration is required (or allowed) in 4721)
 25470 001 LAB, 15:35-17:30 T, Keller Hall 2-170, In Person Term Based; Sairaj Dhople ; 1 cr.
 25471 002 LAB, 10:10-12:05 W, Keller Hall 2-170, In Person Term Based; Sairaj Dhople ; 1 cr.

4741 Power Electronics

(Student Option; Prereq: 3015, 3115)
 34483 001 LEC, 11:15-12:30 TTh, Akerman Hall 327, In Person Term Based; Jungwon Choi ; 3 cr.

4743 Switch-Mode Power Electronics Laboratory

(Student Option; Prereq: 4741 or concurrent registration is required (or allowed) in 4741)
 34484 001 LAB, 14:30-16:25 T, Keller Hall 3-146, In Person Term Based; Jungwon Choi ; 1 cr.

4893 Directed Study

(Student Option; Prereq: dept consent)
 24184 001 IND, 00:00-00:00 , , In Person Term Based; Jeong-Hyun Cho ; 1-3 cr.
 24846 002 IND, 00:00-00:00 , , In Person Term Based; Kia Bazargan ; 1-3 cr.
 24847 003 IND, 00:00-00:00 , , In Person Term Based; Stephen Campbell ; 1-3 cr.
 24848 004 IND, 00:00-00:00 , , In Person Term Based; Vladimir Cherkassky ; 1-3 cr.
 24849 005 IND, 00:00-00:00 , , In Person Term Based; Martina Cardone ; 1-3 cr.
 24850 006 IND, 00:00-00:00 , , In Person Term Based; Philip Cohen ; 1-3 cr.
 24851 007 IND, 00:00-00:00 , , In Person Term Based; Rhonda Franklin ; 1-3 cr.
 24852 008 IND, 00:00-00:00 , , In Person Term Based; Emad Ebbini ; 1-3 cr.

24853 009 IND, 00:00-00:00 , , In Person Term Based; Douglas Ernie ; 1-3 cr.
 24854 010 IND, 00:00-00:00 , , In Person Term Based; Changhyun Choi ; 1-3 cr.
 24855 011 IND, 00:00-00:00 , , In Person Term Based; Mingyi Hong ; 1-3 cr.
 24856 012 IND, 00:00-00:00 , , In Person Term Based; Massoud Amin ; 1-3 cr.
 24857 013 IND, 00:00-00:00 , , In Person Term Based; Anand Gopinath ; 1-3 cr.
 24858 014 IND, 00:00-00:00 , , In Person Term Based; Ramesh Harjani ; 1-3 cr.
 24859 015 IND, 00:00-00:00 , , In Person Term Based; Mehmet Akcakaya ; 1-3 cr.
 24860 016 IND, 00:00-00:00 , , In Person Term Based; Ted Higman ; 1-3 cr.
 24863 019 IND, 00:00-00:00 , , In Person Term Based; Paul Imbertson ; 1-3 cr.
 24864 020 IND, 00:00-00:00 , , In Person Term Based; David Orser ; 1-3 cr.
 24868 024 IND, 00:00-00:00 , , In Person Term Based; Mostafa Kaveh ; 1-3 cr.
 24872 028 IND, 00:00-00:00 , , In Person Term Based; Chris H. Kim ; 1-3 cr.
 24875 031 IND, 00:00-00:00 , , In Person Term Based; James Leger ; 1-3 cr.
 24876 032 IND, 00:00-00:00 , , In Person Term Based; David Lijla ; 1-3 cr.
 24877 033 IND, 00:00-00:00 , , In Person Term Based; Zhi-Quan Luo ; 1-3 cr.
 24878 034 IND, 00:00-00:00 , , In Person Term Based; Ned Mohan ; 1-3 cr.
 24881 037 IND, 00:00-00:00 , , In Person Term Based; Sang-Hyun Oh ; 1-3 cr.
 24883 039 IND, 00:00-00:00 , , In Person Term Based; Keshab Parhi ; 1-3 cr.
 24886 042 IND, 00:00-00:00 , , In Person Term Based; Thomas Posbergh ; 1-3 cr.
 24887 043 IND, 00:00-00:00 , , In Person Term Based; Marc Riedel ; 1-3 cr.
 24888 044 IND, 00:00-00:00 , , In Person Term Based; William Robbins ; 1-3 cr.
 24892 048 IND, 00:00-00:00 , , In Person Term Based; P Ruden ; 1-3 cr.
 24893 049 IND, 00:00-00:00 , , In Person Term Based; Sachin Sapatnekar ; 1-3 cr.
 24894 050 IND, 00:00-00:00 , , In Person Term Based; Murti Salapaka ; 1-3 cr.
 24896 052 IND, 00:00-00:00 , , In Person Term Based; Gerald Sobelman ; 1-3 cr.
 24897 053 IND, 00:00-00:00 , , In Person Term Based; Bethanie Stadler ; 1-3 cr.
 24898 054 IND, 00:00-00:00 , , In Person Term Based; Joseph Talghader ; 1-3 cr.
 24901 057 IND, 00:00-00:00 , , In Person Term Based; Randall Victoria ; 1-3 cr.
 25092 058 IND, 00:00-00:00 , , In Person Term Based; Jianping Wang ; 1-3 cr.

4951W Senior Design Project

(Student Option; Prereq: 3015, 3115, 3102, attendance first day of classWI)
 24183 001 LEC, 14:30-15:45 TTh, Akerman Hall 319, In Person Term Based; Paul Imbertson ; 4 cr.

4981H Senior Honors Project I

(Student Option; Prereq: ECE honors, sr, instr consent)
 24185 001 IND, 14:30-15:45 T, Ford Hall B15, In Person Term Based; William Robbins ; 2 cr.

5041 Industrial Assignment for Graduate Students

(S-N only; Prereq: Consent of Advisor and Office of the DGS)
 25959 001 FWK, 00:00-00:00 , , In Person Term Based; Murti Salapaka, Sarah Dohm ; 1 cr.

5163 Semiconductor Properties and Devices I

(Student Option; Prereq: [3161, 3601, CSE grad student] or dept consent)
 24148 001 LEC, 11:15-12:30 MW, Keller Hall 3-125, In Person Term Based; Tony Low ; 3 cr.
 26856 883 LEC, 11:15-12:30 MW, Twin Cities Remote, Completely Online; Tony Low ; 3 cr.

5171 Microelectronic Fabrication

(Student Option; Prereq: CSE grad student or dept consent)
 24149 001 LEC, 13:00-14:15 TTh, Keller Hall 3-125, In Person Term Based; Jeong-Hyun Cho ; 3 cr.
 24996 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Jeong-Hyun Cho ; 3 cr.

5173 Basic Microelectronics Laboratory

(Student Option; Prereq: [[5171 or concurrent registration is required (or allowed) in 5171], CSE grad student] or dept consent)

24151 002 LAB, 15:00-18:00 T, Lab TBA, In Person Term Based; Jeong-Hyun Cho ; 1 cr.
33196 001 LAB, 13:25-17:30 M, Lab TBA, In Person Term Based; Jeong-Hyun Cho ; 1 cr.

5231 Linear Systems and Optimal Control (Student Option; Prereq: [3015, CSE grad student] or instr consent)

24159 001 LEC, 14:30-15:45 MW, Mechanical Engineering 108, In Person Term Based; Meets With: 001 AEM 5321; Maziar Hemati ; 3 cr.
24992 883 LEC, 14:30-15:45 MW, Twin Cities Remote, Completely Online; Maziar Hemati ; 3 cr.

5241 Optimal Control and Reinforcement Learning

(Student Option; Prereq-CSE grad student or instructor consent) A wide variety of control problems such as "walk from home to school via the shortest path" or "maintain a constant temperature" can be modeled using optimization. This course will survey a variety of methods for modeling and solving optimal control problems. In particular, we will cover numerical optimal control, model predictive control, system identification, dynamic programming, and reinforcement learning. Examples from robotics and aerospace systems will be given.)

33785 001 LEC, 09:45-11:00 MW, Keller Hall 3-125, In Person Term Based; Andrew Lamperski ; 3 cr.
34173 883 LEC, 09:45-11:00 MW, Twin Cities Remote, Completely Online; Andrew Lamperski ; 3 cr.

5251 Optimal Filtering and Estimation

(Student Option; Prereq: [[MATH 2243, STAT 3021] or equiv], CSE grad student] or dept consent; 3025, 4231 recommended)

25481 001 LEC, 13:00-14:15 TTh, Mechanical Engineering 108, In Person Term Based; Meets With: 001 AEM 5451; Kirsten Strandjord ; 3 cr.
25494 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Kirsten Strandjord ; 3 cr.

5271 Robot Vision

(Student Option;)

26859 001 LEC, 14:30-15:45 TTh, Keller Hall 3-111, In Person Term Based; Changhyun Choi ; 3 cr.
26910 883 LEC, 14:30-15:45 TTh, Twin Cities Remote, Completely Online; Changhyun Choi ; 3 cr.

5301 VLSI Design Automation I

(Student Option; Prereq: [2301, CSE grad student] or dept consent)

24176 001 LEC, 13:00-14:15 TTh, Keller Hall 3-111, In Person Term Based; Kia Bazargan ; 3 cr.
24985 883 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Kia Bazargan ; 3 cr.

5323 VLSI Design I

(Student Option; Prereq: [2301, 3115, CSE grad student] or dept consent)

24044 001 LEC, 15:35-16:25 MWF, Keller Hall 3-230, In Person Term Based; Chris H. Kim ; 3 cr.
25430 883 LEC, 15:35-16:25 MWF, Twin Cities Remote, Completely Online; Chris H. Kim ; 3 cr.

5327 VLSI Design Laboratory

(Student Option; Prereq: [4301, [5323 or concurrent registration is required (or allowed) in 5323], CSE grad student] or dept consent)

33197 001 LEC, 15:35-17:30 T, Armory Building 116, In Person Term Based; Gerald Sobelman ; 3 cr.
33198 002 LAB, 15:35-17:30 Th, Keller Hall 2-120, In Person Term Based; Gerald Sobelman ; 3 cr.
33199 004 LAB, 13:25-15:20 F, Keller Hall 2-120, In Person Term Based; Gerald Sobelman ; 3 cr.

5340 Introduction to Quantum Computing and Physical Basics of Computing (Student Option;)

26860 001 LEC, 16:00-17:15 MW, Keller Hall 3-111, In Person Term Based; Ulya Karpuzcu ; 3 cr.
26861 883 LEC, 16:00-17:15 MW, Twin Cities Remote, Completely Online; Ulya Karpuzcu ; 3 cr.

5364 Advanced Computer Architecture (Student Option; Prereq: [[4363 or CSci 4203], CSE grad student] or dept consent)

24987 883 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Pen-Chung Yew ; 3 cr.
25546 001 LEC, 09:45-11:00 TTh, Mechanical Engineering 212, In Person Term Based; Meets With: 001 CSCI 5204; Pen-Chung Yew ; 3 cr.

5373 Data Modeling Using R

(A-F Only;)

26292 001 LAB, 13:25-15:20 M, Keller Hall 4-138, In Person Term Based; David Lijja ; 1 cr.

5389 Introduction to Predictive Learning

(Student Option; Prereq: EE 3025, STAT 3022 or equivalent; computer programming or MATLAB or similar environment is recommended.)

33200 001 LEC, 14:30-15:45 MW, Keller Hall 3-111, In Person Term Based; Meets With: 001 EE 4389W; Vladimir Cherkassky ; 3 cr.
33656 883 LEC, 02:30-03:45 MW, Twin Cities Remote, Completely Online; Vladimir Cherkassky ; 3 cr.

5531 Probability and Stochastic Processes

(Student Option; Prereq: [3025, CSE grad student] or dept consent)

24170 001 LEC, 11:15-12:30 MW, Keller Hall 3-111, In Person Term Based; Emad Ebbini ; 3 cr.
25920 883 LEC, 11:15-12:30 MW, Twin Cities Remote, Completely Online; Emad Ebbini ; 3 cr.

5581 Information Theory and Coding

(Student Option; Prereq: [5531, CSE grad student] or dept consent)

33889 001 LEC, 14:30-15:45 MW, Tate Hall B85, In Person Term Based; Soheil Mohajer ; 3 cr.

5601 Introduction to RF/Microwave Engineering

(Student Option; Prereq: [3601, CSE grad student] or dept consent)

26588 001 LEC, 13:00-14:15 MW, Keller Hall 3-111, In Person Term Based; Rhonda Franklin ; 3 cr.
26589 883 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Rhonda Franklin ; 3 cr.

5607 Wireless Hardware System Design

(Student Option;)

26798 001 LEC, 13:00-14:15 TTh, Amundson Hall 104, In Person Term Based; Yahya Tousi ; 3 cr.

5653 Physical Principles of Magnetic Materials

(Student Option; Prereq: CSE grad student or dept consent)

24180 001 LEC, 14:30-15:20 MWF, Mechanical Engineering 102, In Person Term Based; Randall Victoria ; 3 cr.
24974 883 LEC, 14:30-15:20 MWF, Twin Cities Remote, Completely Online; Randall Victoria ; 3 cr.

5657 Physical Principles of Thin Film Technology

(Student Option;)

33202 001 LEC, 14:30-15:45 TTh, Akerman Hall 211, In Person Term Based; Bethanie Stadler ; 4 cr.
33203 002 LAB, In Person Term Based; Bethanie Stadler ; 4 cr.

5980 Teaching, Grading, and Lab Instruction Seminar

(No Grade Associated;)

26296 001 LEC, 10:10-11:00 F, Tate Hall 110, In Person Term Based; David Orser ; 1 cr.

5990 Curricular Practical Training

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

24549 001 FWK, 00:00-00:00 , , In Person Term Based; Sarah Dohm ; 1-2 cr.

Endodontics (ENDO)

5305 Advanced Clinical Endodontics

(A-F or Audit; Prereq: 5304)

23547 001 FWK, 00:00-00:00 , , In Person Term Based; William Noblett ; 1-6 cr.

5308 Advanced Clinical Endodontics

(A-F or Audit; Prereq: 5307, dept consent)

23557 001 FWK, 00:00-00:00 , , In Person Term Based; William Noblett ; 1-6 cr.

5312 Advanced Endodontic Emergency

(S-N or Audit; Prereq: 5311)

23548 001 FWK, 00:00-00:00 , , In Person Term Based; William Noblett ; 1 cr.

5315 Advanced Endodontic Emergency

(S-N or Audit; Prereq: 5314, dept consent)

23556 001 FWK, 00:00-00:00 , , In Person Term Based; William Noblett ; 1 cr.

5329 Clinical Seminar I

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

23549 001 DIS, 00:00-00:00 , , In Person Term Based; William Noblett ; 1 cr.

5331 Review of Cases

(A-F or Audit; Prereq: 5330)

23550 001 DIS, 00:00-00:00 , , In Person Term Based; William Noblett ; 1 cr.

English as a Second Language (ESL)

3001 Integrated Skills for Academic English

(Student Option; Prerequisite: non-native speaker of English)

29881 001 LEC, 16:40-18:35 MW, Blegen Hall 210, In Person Term Based; 2 cr.

3006 English for Business Interactions

(Student Option; Prereq: non-native speaker of English)

29918 001 LEC, 16:40-18:35 M, Blegen Hall 225, In Person Term Based; Meets With: 001 ESL 5006001 ESL 906; Catherine Clements ; 2 cr.

3102 English Grammar for Academic Purposes

(Student Option; Prerequisite: a first language other than English)

34473 001 LEC, 08:00-08:50 MTWTh, Nicholson Hall 120, In Person Term Based; Jonathan Gill ; 4 cr.

3202W Academic Reading and Composition

(Student Option; Prereq: non-native speaker of English.WI)

29833 001 LEC, 12:20-14:15 MW, Blegen Hall 105, In Person Term Based; Darren LaScotte ; 5 cr.
29840 002 DIS, 12:20-13:10 F, Kolthoff Hall 132, In Person Term Based; Darren LaScotte ; 5 cr.
29995 003 LEC, 16:40-18:35 MW, Folwell Hall 120, In Person Term Based; Shannon Cosgrove-Rucker ; 5 cr.
29996 004 DIS, 16:40-17:30 F, Folwell Hall 120, In Person Term Based; Shannon Cosgrove-Rucker ; 5 cr.

3402 Research Writing for the American University

(Student Option; Prerequisite: a first language other than English)

29888 001 LEC, 08:00-09:55 MW, Appleby Hall 103, In Person Term Based; Meets With: 001 ESL 941; Christine Walz ; 4 cr.
29930 301 LEC, Completely Online; LeeAnne Godfrey ; 4 cr.

3502 Academic Listening and Speaking

(Student Option; Prereq: a first language other than English)

29993 001 LEC, 12:20-14:15 MW, Kolthoff Hall 132, In Person Term Based; Stephanie Hanson ; 5 cr.
29994 002 DIS, 12:20-13:10 F, Blegen Hall 210, In Person Term Based; Stephanie Hanson ; 5 cr.

3551 English Pronunciation

(Student Option; Prerequisite: a first language other than English)

29834 001 LEC, 16:40-18:35 W, Kolthoff Hall 136, Partially Online; Meets With: 001 ESL 951; Annie Marrin ; 4 cr.

5006 English for Business Interactions

(Student Option; Prerequisites: Graduate student, a first language other than English)

29920 001 LEC, 16:40-18:35 M, Blegen Hall 225, In Person Term Based; Meets With: 001 ESL 906001 ESL 3006; Catherine Clements ; 2 cr.

5008 Speaking for Professional Settings

(Student Option; Prerequisite: Graduate student, a first language other than English)

29948 001 LEC, 16:40-18:35 T, Blegen Hall 210, In Person Term Based; Catherine Clements ; 2 cr.

5302 Academic Writing

(Student Option; Prerequisites: Graduate student, a first language other than English)

29969 001 LEC, 08:00-09:55 TTh, Nicholson Hall 315, In Person Term Based; Meets With: 001 ESL 921; Ellen Wormwood ; 4 cr.
29971 002 LEC, 16:40-18:35 TTh, Kolthoff Hall 136, In Person Term Based; Ellen Wormwood ; 4 cr.
30010 301 LEC, Completely Online; Stephanie Hanson ; 4 cr.

English: Literature (ENGL)

1001W Introduction to Literature: Poetry, Drama, Narrative

(Student Option; LITR,WI)
19432 001 LEC, 13:25-15:20 MW, Amundson Hall 162, In Person Term Based; Jake Lancaster ; 4 cr.
19433 003 LEC, Completely Online; Sun Yung Shin ; 4 cr.
19434 004 LEC, Completely Online; Sun Yung Shin ; 4 cr.
31590 005 LEC, Completely Online; David Rodriguez Martnez ; 4 cr.

1031 Introduction to the Short Story

(Student Option; LITR)
20760 001 LEC, 08:15-09:30 MW, Pillsbury Hall 211, In Person Term Based; Jake Lancaster ; 3 cr.
20901 004 LEC, Completely Online; Jennifer Jodell ; 3 cr.
20925 003 LEC, 16:00-18:30 T, Twin Cities Remote, Completely Online; John Watkins ; 3 cr.
21538 002 LEC, 09:45-11:00 TTh, Nicholson Hall 335, In Person Term Based; Gregory Langen ; 3 cr.
31591 005 LEC, Completely Online; Stephen Ellis ; 3 cr.

1041 Adaptation: Literature into Film

(Student Option; AH)
20744 001 LEC, 16:00-18:30 Th, Pillsbury Hall 314, In Person Term Based; Chris Kamerbeek ; 3 cr.

1051 Progress & Madness: Literature, Science & Technology

(Student Option; LITR)
20862 002 LEC, 13:00-14:15 TTh, Pillsbury Hall 214, In Person Term Based; Ann Tandy-Treiber ; 3 cr.
20975 001 LEC, 09:45-11:00 TTh, Nicholson Hall 145, In Person Term Based; Andrea Waldrep ; 3 cr.

1172 The Story of King Arthur

(Student Option; LITR)
21424 001 LEC, 09:45-11:00 TTh, Pillsbury Hall 412, In Person Term Based; Rebecca Krug ; 3 cr.

1181W Introduction to Shakespeare

(Student Option; LITR,WI)
17833 002 LEC, 09:05-11:00 TTh, Pillsbury Hall 311, In Person Term Based; Katherine Scheil ; 4 cr.
17834 001 LEC, 14:30-16:25 MW, Pillsbury Hall 214, In Person Term Based; Ann Tandy-Treiber ; 4 cr.

1301W Introduction to Multicultural

Literatures of the United States
(Student Option; DSJ,WI,LITR)
18935 002 LEC, 13:25-15:20 MW, Kolthoff Hall 140, In Person Term Based; Amy Bolis ; 4 cr.
18936 005 LEC, 10:10-12:05 TTh, Kolthoff Hall 140, In Person Term Based; Amy Bolis ; 4 cr.
19139 001 LEC, 12:20-14:15 MW, Akerman Hall 317, In Person Term Based; Janna Knittel ; 4 cr.
19140 006 LEC, 14:30-16:25 TTh, Nicholson Hall 315, In Person Term Based; James Cihlar ; 4 cr.
19141 003 LEC, 09:05-11:00 WF, Nicholson Hall 355, In Person Term Based; Savannah Brooks ; 4 cr.

1401W Introduction to World Literatures in English

(Student Option; GP,WI,LITR)
19726 001 LEC, 12:20-14:15 TTh, Kolthoff Hall 140, In Person Term Based; Amy Bolis ; 4 cr.

1501W Literature and Public Life

(A-F only; WI,LITR,CIV)
19005 001 LEC, 08:00-09:55 MW, Pillsbury Hall 214, In Person Term Based; Melissa Licht ; 4 cr.
19730 003 LEC, 10:10-12:05 TTh, Nicholson Hall 110, In Person Term Based; Savannah Brooks ; 4 cr.
19731 004 LEC, 14:30-16:25 TTh, Pillsbury Hall 214, In Person Term Based; Heather Holcombe ; 4 cr.
19732 005 LEC, Completely Online; Brett Sigurdson ; 4 cr.

1701 Modern Fiction

(Student Option; LITR)
19006 001 LEC, 11:15-12:30 MW, Willey Hall 125, In Person Term Based; Heather Holcombe ; 3 cr.
19008 002 LEC, 14:30-15:45 MW, Pillsbury Hall 311, In Person Term Based; James Cihlar ; 3 cr.

19761 003 LEC, 09:45-11:00 WF, Nicholson Hall 315, In Person Term Based; Kathryn Savage ; 3 cr.
21545 004 LEC, 11:15-12:30 TTh, Pillsbury Hall 211, In Person Term Based; David Rodriguez Martnez ; 3 cr.

1923 Very Short Poems

(A-F only;)
33274 001 DIS, 11:15-12:30 TTh, Pillsbury Hall 114, In Person Term Based; Lianna Farber ; 3 cr.

3001W Textual Analysis: Methods

(A-F only; Prereq: [English major or minor or approved BIS or IDIM program with English area]WI)
17836 002 LEC, 10:10-12:05 MW, Pillsbury Hall 311, In Person Term Based; Chris Kamerbeek ; 4 cr.
17837 001 LEC, 08:00-09:55 MW, Pillsbury Hall 311, In Person Term Based; Janna Knittel ; 4 cr.
17838 003 LEC, 10:10-12:05 TTh, Nicholson Hall 315, In Person Term Based; Elizabeth Weixel ; 4 cr.
18938 004 LEC, 12:20-14:15 TTh, Appleby Hall 219, In Person Term Based; Elizabeth Weixel ; 4 cr.

3002 Modern Literary Criticism and Theory

(Student Option;)
19019 001 LEC, 14:30-15:45 MW, Pillsbury Hall 211, In Person Term Based; Melissa Licht ; 3 cr.

3003W Historical Survey of British

Literatures I
(Student Option; HIS,WI)
17839 001 LEC, 12:20-14:15 MW, Pillsbury Hall 214, In Person Term Based; Andrew Scheil ; 4 cr.
17840 002 LEC, 14:30-16:25 TTh, Pillsbury Hall 311, In Person Term Based; Robert Stratton ; 4 cr.

3004W Historical Survey of British

Literatures II
(Student Option; HIS,WI)
18651 001 LEC, 10:10-12:05 MW, Pillsbury Hall 214, In Person Term Based; Ann Tandy-Treiber ; 4 cr.

3005W Survey of American Literatures and Cultures I

(Student Option; DSJ,WI,LITR)
17903 001 LEC, 14:30-16:25 MW, Pillsbury Hall 314, In Person Term Based; Chris Kamerbeek ; 4 cr.
17904 002 LEC, 10:10-12:05 TTh, Pillsbury Hall 314, In Person Term Based; Adam Burchard ; 4 cr.

3006W Survey of American Literatures and

Cultures II
(Student Option; DSJ,WI,LITR)
18751 001 LEC, 13:25-15:20 MW, Vincent Hall 207, In Person Term Based; Heather Holcombe ; 4 cr.
20408 301 LEC, Completely Online; Scott Nelson ; 4 cr.
20409 302 LEC, Completely Online; Andrew Hamilton ; 4 cr.

3007 Shakespeare

(Student Option; LITR)
18831 001 LEC, 13:00-14:15 MW, Pillsbury Hall 211, In Person Term Based; Andrew Elfenbein ; 3 cr.
18832 002 LEC, 11:15-12:30 TTh, Pillsbury Hall 412, In Person Term Based; Emily Schoenbeck ; 3 cr.
19337 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Clara Biesel ; 3 cr.

3007H Honors: Shakespeare

(Student Option; LITR)
20344 001 LEC, 13:00-14:15 TTh, Pillsbury Hall 311, In Person Term Based; Katherine Scheil ; 3 cr.

3013 The City in Literature

(Student Option; LITR)
33137 001 DIS, 11:15-12:30 MW, Pillsbury Hall 412, In Person Term Based; Brian Goldberg ; 3 cr.

3022 Science Fiction and Fantasy

(Student Option;)
19916 001 LEC, 08:15-09:30 TTh, Pillsbury Hall 211, In Person Term Based; Karen Soto ; 3 cr.

3023 Children's Literature

(Student Option;)
20195 001 LEC, 13:00-14:15 TTh, Appleby Hall 302, In Person Term Based; Lianna Farber ; 3 cr.

3026 Mediterranean Wanderings: Literature and History on the Borders of Three Continents

(Student Option; GP)
20977 001 DIS, 09:45-11:00 MW, Pillsbury Hall 412, In Person Term Based; Nabil Matar ; 3 cr.

3027W The Essay

(Student Option; WI)
19146 001 LEC, Completely Online; Merle Geode ; 4 cr.

3093 Law and Literature

(Student Option; DSJ,LITR)
31613 001 DIS, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Ellen Messer-Davidow ; 3 cr.

3114 Dreams and Dream Visions

(Student Option;)
31614 001 LEC, 11:15-12:30 TTh, Pillsbury Hall 214, In Person Term Based; Rebecca Krug ; 3 cr.

3151 British Romantic Literature and Culture

(Student Option; LITR)
20745 001 LEC, 13:00-14:15 MW, Pillsbury Hall 311, In Person Term Based; Brian Goldberg ; 3 cr.

3303W Writing Differences: Literature by U.S. Women of Color

(Student Option; DSJ,WI,LITR)
21559 001 DIS, 09:45-11:00 MW, ONLINE BLENDED, 09:45-11:00 MW, Peik Gymnasium G55, Partially Online; Meets With: 001 GWSS 4303W001 GWSS 3303W001 AAS 3303W; Jigna Desai ; 3 cr.

3502 Nature Stories: Environmental Discourse in Action

(Student Option; LITR,CIV)
20193 001 DIS, 13:00-14:15 MW, Pillsbury Hall 314, In Person Term Based; Melissa Licht ; 4 cr.

3505 Protest Literature and Community Action

(A-F only; DSJ)
19209 001 FWK, 11:15-13:10 TTh, Peik Gymnasium G65, In Person Term Based; Eric Daigre ; 4 cr.

3507W Introduction to Chicana/o Literature

(Student Option; DSJ,WI,LITR)
20048 002 LEC, Completely Online; Meets With: 002 CHIC 3507W; Vanessa Ramos ; 3 cr.

3704 Introduction to Editing and Publishing

(Student Option;)
21116 001 DIS, 17:45-19:35 MW, Pillsbury Hall 102, In Person Term Based; Kathryn Savage ; 4 cr.

3711 Literary Magazine Production Lab I

(A-F only; Prereq: [instructor consent required, instr consent])
20158 001 LAB, 18:15-20:00 TTh, Pillsbury Hall 102, 18:15-20:00 TTh, Pillsbury Hall 211, In Person Term Based; James Cihlar ; 4 cr.

3714 The Business of Publishing

(Student Option;)
20746 001 DIS, 14:30-17:00 M, Pillsbury Hall 102, In Person Term Based; Savannah Brooks ; 3 cr.

3741 Literacy and American Cultural

Diversity
(Student Option No Audit; LITR,DSJ)
19210 001 FWK, 13:25-15:20 TTh, Pillsbury Hall 412, In Person Term Based; 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)
21936 002 LEC, 12:20-14:15 TTh, Twin Cities Remote, Completely Online; Meets With: 002 ENGL 3885W; John Watkins ; 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)

21934 002 LEC, 12:20-14:15 TTh, Twin Cities Remote, Completely Online; Meets With: 002 ENGL 3885V; John Watkins ; 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.)

21328 001 FWK, Independent/Directed Study; Terri Sutton ; 1-4 cr.
21355 002 FWK, Independent/Directed Study; Rachel Drake ; 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.)

19405 001 IND, Independent/Directed Study; Brian Goldberg ; 1-4 cr.
19406 003 IND, Independent/Directed Study; Elaine Auyoung ; 1-4 cr.
19407 004 IND, Independent/Directed Study; Rachel Trocchio ; 1-4 cr.
19408 005 IND, Independent/Directed Study; Rebecca Krug ; 1-4 cr.
20155 002 IND, Independent/Directed Study; Douglas Kearney ; 1-4 cr.
34850 006 IND, Independent/Directed Study; Nathaniel Mills ; 1-4 cr.

4311 Asian American Literature and Drama (A-F or Audit; DSJ,LITR)

31618 001 LEC, 09:45-11:00 TTh, Pillsbury Hall 211, In Person Term Based; Meets With: 001 AAS 4311; Josephine Lee ; 3 cr.

5001 Ph.D. Colloquium: Introduction to Literary Theory and Literary Studies in the Modern University

(Student Option; Prerequisite: English grad student)
31619 001 LEC, 14:30-17:00 T, Twin Cities Remote, Completely Online; Siobhan Craig ; 3 cr.

5090 Readings in Special Subjects

(Student Option;)
31644 001 LEC, 11:15-13:45 M, Pillsbury Hall 114, In Person Term Based; Meets With: 001 ENG W 5310; Megan Giddings ; 1-4 cr.

5140 Readings in 18th Century Literature and Culture

(Student Option; Prereq: Grad student or instr consent)
31620 001 LEC, 16:00-18:30 W, Pillsbury Hall 114, In Person Term Based; Meets With: 001 EMS 5500; Amit Yahav ; 3 cr.

5300 Readings in American Minority Literature

(Student Option;)
31621 001 LEC, 11:15-13:45 Th, Twin Cities Remote, Completely Online; Meets With: 001 GWSS 5390; Ellen Messer-Davidow ; 3 cr.

5510 Readings in Criticism and Theory

(Student Option;)
31622 001 LEC, 14:30-17:00 Th, Pillsbury Hall 212, In Person Term Based; Elaine Auyoung ; 3 cr.

5800 Practicum in the Teaching of English

(Student Option; Prereq: Grad student or instr consent)
18430 001 LEC, 14:00-16:00 F, Pillsbury Hall 114, In Person Term Based; Eric Daigre ; 1-3 cr.

5992 Directed Readings, Study, or Research

(Student Option; Prereq-Grad student or instr consent.)
18613 001 IND, Independent/Directed Study; Kathryn Nuernberger ; 1-3 cr.
18986 002 IND, Independent/Directed Study; Kathryn Nuernberger ; 1-3 cr.
34198 003 IND, In Person Term Based; Katherine Scheil ; 1-3 cr.

English: Creative Writing (ENGW)

1101V Honors Introduction to Creative Writing

(A-F only; LITR,WI)

21799 001 DIS, 13:25-15:20 TTh, Pillsbury Hall 314, In Person Term Based; Kim Todd ; 4 cr.

1101W Introduction to Creative Writing (Student Option No Audit; Prereq: Students may not audit this courseLITR,WI)

17920 001 LEC, Completely Online; May Lee-Yang ; 4 cr.
17921 015 LAB, Completely Online; Jake Lancaster ; 4 cr.
17922 002 LAB, 13:25-15:20 M, Amundson Hall 156, In Person Term Based; Jordan Young ; 4 cr.
17923 003 LAB, 14:30-16:25 M, Nicholson Hall 335, In Person Term Based; Noel Haines ; 4 cr.
17924 004 LAB, 18:20-20:15 M, Pillsbury Hall 211, In Person Term Based; torrin greathouse ; 4 cr.
17925 005 LAB, 09:05-11:00 T, Nicholson Hall 120, In Person Term Based; Elena Ramirez-Gorski ; 4 cr.
17926 008 LAB, 11:15-13:10 Th, Peik Hall 335, In Person Term Based; Olivia Fantini ; 4 cr.
18406 006 LAB, 14:30-16:25 T, Peik Hall 315, In Person Term Based; torrin greathouse ; 4 cr.
18407 007 LAB, 09:05-11:00 W, Nicholson Hall 110, In Person Term Based; Kachina Yeager ; 4 cr.
18408 009 LAB, 13:25-15:20 Th, Appleby Hall 204, In Person Term Based; Chi Kyu Lee ; 4 cr.
18451 010 LAB, 18:20-20:50 Th, Twin Cities Remote, Completely Online; torrin greathouse ; 4 cr.
20018 011 LAB, 09:05-11:00 F, Pillsbury Hall 211, In Person Term Based; Sonia Beltz ; 4 cr.
20297 012 LAB, 10:10-12:05 F, Pillsbury Hall 214, In Person Term Based; Natalie Dalea ; 4 cr.
31623 013 LAB, Completely Online; John Lapine ; 4 cr.
31624 014 LAB, Completely Online; Janna Knittel ; 4 cr.

1102 Introduction to Fiction Writing

(Student Option No Audit;)

17935 001 LEC, 11:15-12:30 MW, Pillsbury Hall 211, In Person Term Based; Sruthi Narayanan ; 3 cr.
18391 002 LEC, 13:00-14:15 TTh, Pillsbury Hall 211, In Person Term Based; Sruthi Narayanan ; 3 cr.

1103 Introduction to Poetry Writing

(Student Option No Audit;)

17934 001 LEC, 18:20-20:50 T, Pillsbury Hall 214, In Person Term Based; Brandon Hackbarth ; 3 cr.

1104 Introduction to Literary Nonfiction Writing

(Student Option No Audit; Prereq: Students not allowed to audit this course)

17936 001 LEC, 11:15-12:30 TTh, Pillsbury Hall 311, In Person Term Based; Kathryn Savage ; 3 cr.

3102 Intermediate Fiction Writing

(Student Option No Audit; Prereq: [EngW 1101 OR 1102 OR 1103 OR 1104], students cannot audit course)

17937 001 LEC, 09:45-11:00 MW, Ford Hall 151, In Person Term Based; Sruthi Narayanan ; 3 cr.
20433 301 LEC, Completely Online; K Ho ; 3 cr.

3104 Intermediate Poetry Writing

(Student Option No Audit; Prereq: [1101 or 1102 or 1103 or 1104], students cannot audit course)

18730 001 LEC, 11:15-12:30 TTh, Nicholson Hall 345, In Person Term Based; Peter Campion ; 3 cr.

3106 Intermediate Literary Nonfiction Writing

(Student Option No Audit; Prereq: [1101 or 1102 or 1103 or 1104], students cannot audit course)

20348 001 LEC, 09:45-11:00 TTh, Nicholson Hall 345, In Person Term Based; Ciara Alfaro ; 3 cr.

3110 Topics in Creative Writing

(Student Option No Audit; Prereq: 1101 or 1102 or 1103 or 1104 or dept consent)

33700 002 LEC, 13:00-14:15 TTh, Nicholson Hall 145, In Person Term Based; Kao Yang ; 3 cr.
34155 001 LEC, 11:15-12:30 MW, Pillsbury Hall 314, In Person Term Based; May Lee-Yang ; 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 ENG W 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)

21938 001 LEC, 14:30-18:20 T, Pillsbury Hall 114, In Person Term Based; Meets With: 001 ENG W 3885V; Peter Campion ; 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 (ENG W 3xxx-level) or advanced creative writing workshop, preferably in the genre of the ENG W 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)

21937 001 LEC, 14:30-18:20 T, Pillsbury Hall 114, In Person Term Based; Meets With: 001 ENG W 3885V; Peter Campion ; 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)

20385 001 LEC, 18:20-20:50 Th, Twin Cities Remote, Completely Online; Miriam Queenen ; 3 cr.
33138 002 LEC, 16:00-18:30 M, Pillsbury Hall 311, In Person Term Based; Aamina Ahmad ; 3 cr.

5102 Graduate Fiction Writing

(Student Option No Audit;)

17938 001 LEC, 15:35-18:05 M, Pillsbury Hall 114, In Person Term Based; Megan Giddings ; 4 cr.

5104 Graduate Poetry Writing

(Student Option No Audit;)

17939 001 LEC, 18:20-20:50 W, Pillsbury Hall 312, In Person Term Based; Kathryn Nuernberger ; 4 cr.

5106 Graduate Literary Nonfiction Writing

(Student Option No Audit;)

18797 001 LEC, 15:35-18:05 W, Pillsbury Hall 312, In Person Term Based; Kim Todd ; 4 cr.

5310 Reading as Writers

(Student Option No Audit;)

31634 001 LEC, 11:15-13:45 M, Pillsbury Hall 114, In Person Term Based; Meets With: 001 ENGL 5090; Megan Giddings ; 4 cr.

5993 Directed Study in Writing

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

21836 001 IND, Independent/Directed Study; Kathryn Nuernberger ; 1-4 cr.

Entomology (ENT)

1001 How Insects Shape Society: Pollinators, Pests, and Policy

(A-F only; CIV)

22760 001 LEC, Completely Online; Matt Petersen ; 3 cr.

1004 The Insects

(A-F only;)

22689 001 LEC, Completely Online; Meets With: 001 ENT 1005; Matt Petersen ; 3 cr.

1005 Insect Biology with Lab

(A-F only; BIOL)

22475 001 LEC, Completely Online; Meets With: 001 ENT 1004; Matt Petersen ; 4 cr.
33207 002 LAB, 13:00-14:45 Th, Hodson Hall 480, In Person Term Based; Matt Petersen ; 4 cr.
33231 003 LAB, Completely Online; Matt Petersen ; 4 cr.

1906 Magnificent, Miniature Minds: From Dancing Honeybees to Cyborgs

(A-F only;)

33677 001 LEC, 10:15-11:30 TTh, Borlaug Hall 365, In Person Term Based; Karen Mesce ; 3 cr.

1909 Got Bees? Declines and Conservation of Honey bees and Native bees

(A-F only; Prerequisite courses required. ENV)
33678 001 LEC, 08:45-10:00 MW, Hodson Hall 490, In Person Term Based; Marla Spivak ; 3 cr.

3021 Insect Biodiversity and Evolution

(A-F only ;)
22761 002 LAB, 11:45-12:35 MW, Hodson Hall 480, In Person Term Based; Meets With: 002 ENT 5021; Robin Thomson ; 4 cr.
22828 001 LEC, 10:40-11:30 MWF, Hodson Hall 480, In Person Term Based; Meets With: 001 ENT 5021; Robin Thomson ; 4 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.)
22763 001 IND, In Person Term Based; Matt Petersen ; 1-4 cr.

4096 Professional Experience Program: Internship

(S-N or Audit; Prereq: COAFES jr or sr, complete internship contract available in COAFES Career Services before enrolling, UC only, instr consent)
22261 001 LEC, In Person Term Based; Matt Petersen ; 1-3 cr.
34195 002 LEC, In Person Term Based; Robin Thomson ; 1-3 cr.

4251 Forest and Shade Tree Entomology

(Student Option;)
22186 001 LEC, 09:35-10:25 MW, Kaufert Laboratory 302, In Person Term Based; Brian Aukema ; 3 cr.
22187 002 LAB, 12:50-14:30 M, Hodson Hall 480, In Person Term Based; Brian Aukema ; 3 cr.

5001 Entomology Orientation

(S-N only ;)
34419 001 LEC, 12:50-13:40 Th, Lrng & Environmental Sci 220, In Person Term Based; Karen Mesce ; 1 cr.

5021 Insect Biodiversity and Evolution

(Student Option;)
22762 002 LAB, 11:45-12:35 MW, Hodson Hall 480, In Person Term Based; Meets With: 002 ENT 3021; Robin Thomson ; 4 cr.
22829 001 LEC, 10:40-11:30 MWF, Hodson Hall 480, In Person Term Based; Meets With: 001 ENT 3021; Robin Thomson ; 4 cr.

5910 Special Problems in Entomology

(Student Option; Prereq: instr consent)
22202 002 LEC, In Person Term Based; Dan Cariveau ; 1-6 cr.

Environment Sci, Policy, Mgmt (ESPM)**1001 Freshmen Orientation to Environmental Sciences, Policy, and Management**

(A-F or Audit;)
33630 001 LEC, 15:00-16:55 T, Kaufert Laboratory 302, In Person Term Based; Nicolas Jelinski ; 1 cr.

1002 Transfer Orientation Seminar

(A-F or Audit;)
22405 001 LEC, 15:00-16:55 M, Kaufert Laboratory 302, 15:00-16:55 M, Kaufert Laboratory 302, In Person Term Based; Ingrid Schneider ; 1 cr.

1011 Issues in the Environment

(Student Option; ENV)
22394 001 LEC, Completely Online; Charlie Blinn, Dylan Millet, Brandy Toner, Peter Wragg ; 3 cr.

1425 Introduction to Weather and Climate

(Student Option; ENV,PHYS)
22330 001 LEC, 13:00-14:15 MW, Anderson Hall 350, In Person Term Based; Meets With: 001 GEOG 1425; Scott St. George ; 4 cr.
22364 002 LAB, 14:30-15:45 M, Blegen Hall 215, In Person Term Based; Meets With: 002 GEOG 1425; 4 cr.
22366 003 LAB, 14:30-15:45 W, Blegen Hall 130, In Person Term Based; Meets With: 003 GEOG 1425; 4 cr.

2021 Environmental Sciences: Integrated Problem Solving

(A-F or Audit; Prereq: 1011, ESPM major)
22786 001 LEC, 10:15-11:30 TTh, Ruttan Hall B36, In Person Term Based; Dan Cariveau ; 3 cr.

3000 Seminar on Current Issues for ESPM

(A-F or Audit; Prereq: Jr)
34045 001 LEC, 15:00-15:50 M, Green Hall 110, In Person Term Based; Peter Snyder ; 1 cr.

3011W Ethics in Natural Resources

(Student Option; WI,CIV)
22230 001 LEC, 10:15-11:30 TTh, Borlaug Hall 335, In Person Term Based; Robert Blair ; 3 cr.

3014 Tribal and Indigenous Natural Resource Management

(Student Option;)
22795 001 LEC, 13:30-14:45 MW, Green Hall 110, In Person Term Based; Meets With: 001 ESPM 5014; Mike Dockry ; 3 cr.

3108 Ecology of Managed Systems

(Student Option; Prereq: BIOL 1001 or BIOL 1009 or HORT 1001 or instr consentENV)
22429 001 LEC, 08:45-10:00 TTh, Green Hall 110, In Person Term Based; Meets With: 001 ESPM 5108; Claudia Nanninga, Adria Fernandez ; 3 cr.

3245 Sustainable Land Use Planning and Policy

(A-F or Audit; ENV)
22201 001 LEC, 08:45-10:00 TTh, Biological Sciences Ctr 64, In Person Term Based; Meets With: 001 ESPM 5245; Mae Davenport ; 3 cr.

3251 Natural Resources in Sustainable International Development

(A-F or Audit; GP)
22333 001 LEC, 16:05-18:00 W, Green Hall 203, 16:05-16:55 M, Green Hall 203, In Person Term Based; Meets With: 001 ESPM 5251; Dean Current ; 3 cr.

3271 Environmental Policy, Law, and Human Behavior

(A-F or Audit; CIV,SOCS)
22406 001 LEC, Completely Online; Michael Barnes, Jesse Engebretson ; 3 cr.
22407 002 DIS, 10:40-12:35 W, Green Hall 110, In Person Term Based; Michael Barnes, Jesse Engebretson ; 3 cr.

3601 Sustainable Housing--Community, Environment, and Technology

(A-F or Audit; TS)
22687 001 LEC, Completely Online; Aaron Hanson ; 3 cr.

3603 Environmental Life Cycle Analysis

(A-F only;)
22381 001 LEC, 15:00-16:15 TTh, ONLINE BLENDED, Primarily Online; Meets With: 001 ESPM 5603; Jason Hill ; 3 cr.

3604 Environmental Management Systems and Strategy

(A-F only;)
22388 001 LEC, 16:00-17:15 MW, Carlson School of Mgmt L-122, In Person Term Based; Meets With: 001 ESPM 5604; Tim Smith ; 3 cr.

3612W Soil and Environmental Biology

(Student Option; Prereq: Biol 1009 or equiv, Chem 1021 or equiv; SOIL 2125 recommendedWI)
22363 001 LEC, 10:40-11:30 MWF, Alderman Hall 415, In Person Term Based; Meets With: 001 SOIL 5611; Jessica Gutknecht ; 4 cr.

3993 Directed Study

(Student Option; Prereq: Department consent, instructor consent, no more than 6 credits of directed study counts towards CFANS major requirements)
22876 001 IND, In Person Term Based; Joe Knight ; 1-4 cr.
22877 002 IND, In Person Term Based; Kristen Nelson ; 1-4 cr.
22880 003 IND, In Person Term Based; Carl Rosen ; 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.)

22878 001 IND, In Person Term Based; Joe Knight ; 1-4 cr.
22879 002 IND, In Person Term Based; Kristen Nelson ; 1-4 cr.
34371 003 IND, In Person Term Based; Dylan Millet ; 1-4 cr.

4041W Problem Solving for Environmental Change

(A-F or Audit; WI)
22403 001 LEC, 15:00-16:55 TTh, Alderman Hall 405, In Person Term Based; Kristen Nelson, Claudia Nanninga ; 4 cr.

4061W Water Quality and Natural Resources

(Student Option; ENV,WI)
22425 001 DIS, 16:00-17:15 MW, Haecker Hall 205, Partially Online; Claire Bleser ; 3 cr.

4096 Professional Experience Program: Internship

(A-F only; Prereq: CFANS undergrad, instr consent, completed internship contract)
22241 001 FWK, 15:00-15:50 W, Hodson Hall 490, In Person Term Based; Ray Newman ; 1 cr.
22478 002 FWK, 15:00-15:50 T, Hodson Hall 495, In Person Term Based; Chad Kooistra ; 1 cr.
22701 003 FWK, 15:00-15:50 M, Hodson Hall 490, In Person Term Based; Grace Wilson ; 1 cr.

4216 Contaminant Hydrology

(A-F or Audit;)
22729 001 LEC, 12:50-13:40 MW, Ruttan Hall B42, In Person Term Based; Grace Wilson ; 3 cr.
22730 002 DIS, 12:50-13:40 F, Ruttan Hall B42, In Person Term Based; Grace Wilson ; 3 cr.

4242 Methods for Environmental and Natural Resource Policy Analysis

(A-F only; Prereqs: ESPM 3241W or ESPM 3271 and ESPM 3261, undergrads with jr or sr standing.)
32848 001 LEC, 11:45-13:00 TTh, Green Hall 203, In Person Term Based; Meets With: 001 ESPM 5242; Forrest Fleischman ; 3 cr.

4256 Natural Resource Law and the Management of Public Lands and Waters

(A-F or Audit; Prereqs: 3241W, juniors, seniors and graduate students or instructor permission)
32855 001 LEC, 17:10-20:10 T, Twin Cities Remote, Completely Online; Meets With: 001 ESPM 5256; Douglas Thompson ; 3 cr.

4295W GIS in Environmental Science and Management

(A-F or Audit; Prereq: FNRM 3131 or Geog 3561 or instr consentWI)
22417 001 LEC, 10:40-12:35 MW, Skok Hall 35, In Person Term Based; Meets With: 001 ESPM 5295; Paul Bolstad, Andrew Jenks ; 4 cr.

5014 Tribal and Indigenous Natural Resource Management

(Student Option;)
22796 001 LEC, 13:30-14:45 MW, Green Hall 110, In Person Term Based; Meets With: 001 ESPM 3014; Mike Dockry ; 3 cr.

5061 Water Quality and Natural Resources

(Student Option;)
22674 001 LEC, 16:00-17:15 MW, Peters Hall 155, Partially Online; Claire Bleser ; 3 cr.

5071 Ecological Restoration

(Student Option;)
22494 001 LEC, 16:30-17:45 TTh, Biological Sciences Ctr 64, Partially Online; Meets With: 001 HORT 5071; Susan Galatowitsch ; 4 cr.

5108 Ecology of Managed Systems

(A-F or Audit; Prereq: Sr or grad student)
22430 001 LEC, 08:45-10:00 TTh, Green Hall 110, In Person Term Based; Meets With: 001 ESPM 3108; Claudia Nanninga, Adria Fernandez ; 4 cr.

5242 Methods for Environmental and Natural Resource Policy Analysis

(A-F only; Prereq: grad student)
32849 001 LEC, 11:45-13:00 TTh, Green Hall 203, In Person Term Based; Meets With: 001 ESPM 4242; Forrest Fleischman ; 3 cr.

5245 Sustainable Land Use Planning and Policy

(A-F or Audit;)
22522 001 LEC, 08:45-10:00 TTh, Biological Sciences Ctr 64, In Person Term Based; Meets With: 001 ESPM 3245; Mae Davenport ; 3 cr.

5251 Natural Resources in Sustainable International Development

(A-F or Audit; Prereq: Grad student or instr consent)
22334 001 LEC, 16:05-18:00 W, Green Hall 203, 16:05-16:55 M, Green Hall 203, In Person Term Based; Meets With: 001 ESPM 3251; Dean Current ; 3 cr.

5256 Natural Resource Law and the Management of Public Lands and Waters

(A-F or Audit; Prereq: grad student)
32856 001 LEC, 17:10-20:10 T, Twin Cities Remote, Completely Online; Meets With: 001 ESPM 4256; Douglas Thompson ; 3 cr.

5295 GIS in Environmental Science and Management

(A-F or Audit;)
22418 001 LEC, 10:40-12:35 MW, Skok Hall 35, In Person Term Based; Meets With: 001 ESPM 4295W; Paul Bolstad, Andrew Jenks ; 4 cr.

5402 Biometeorology

(Student Option; Prereq: MATH 1271, PHYS 1201, STAT 3011, [instr consent])
33420 001 LEC, 11:45-13:00 TTh, Soils S415, In Person Term Based; Timothy Griffis ; 3 cr.

5555 Wetland Soils

(A-F or Audit; Prereq: SOIL 1125 or 2125 or equiv or instr consent; concurrent registration is required (or allowed) in SOIL 4511 recommended)
22331 001 LEC, 15:00-15:50 MW, Borlaug Hall 375, In Person Term Based; Meets With: 001 SOIL 5555; Jay Bell ; 3 cr.
22332 002 FWK, 15:00-18:00 Th, Borlaug Hall 375, In Person Term Based; Meets With: 002 SOIL 5555; Jay Bell ; 3 cr.

5603 Environmental Life Cycle Analysis

(A-F only; Prereq: [Math 1142 or [Math 1271, Math 1282]], [Econ 1101 or ApEc 1101])
22382 001 LEC, 15:00-16:15 TTh, ONLINE BLENDED, Primarily Online; Meets With: 001 ESPM 3603; Jason Hill ; 3 cr.

5604 Environmental Management Systems and Strategy

(A-F only;)
22389 001 LEC, 16:00-17:15 MW, Carlson School of Mgmt L-122, In Person Term Based; Meets With: 001 ESPM 3604; Tim Smith ; 3 cr.

Experimental and Clinical Phar (ECP)**5220 Regulatory Issues in Drug Research**

(Student Option; Prereq: ECP grad student or Pharm.D. professional student or instr consent)
29358 001 LEC, 14:30-16:25 T, Weaver-Densford Hall W7-193, Partially Online; Angela Birnbaum ; 2 cr.

5290 Clinical Clerkship

(Student Option; Prereq: Grad experimental and clinical pharmacology)
29283 001 ROT, 00:00-00:00 , , In Person Term Based; 1-8 cr.

Family Med & Community Health (FMCH)**5564 Family Practice Seminar**

(O-N or Audit; Prereq: MD or DO degree)
27428 001 LEC, 00:00-00:00 , , In Person Term Based; 1 cr.

5950 Clinical Issues in Human Sexuality

(O-N or Audit; Prereq: Enrollment in health sci grad programs in CSPP, Psy, PubH, SW or FSoS or instr consent)
27430 001 LEC, 00:00-00:00 , , In Person Term Based; Eli Coleman ; 2 cr.

5955 Directed Study

(O-N or Audit; Prereq: instr consent; qualified students may arrange for work on a tutorial basis)
27429 001 IND, 00:00-00:00 , , In Person Term Based; 1-10 cr.
27823 002 IND, 00:00-00:00 , , In Person Term Based; Michelle van Ryn ; 1-10 cr.

Family Social Science (FSOS)**1101 Intimate Relationships**

(Student Option; SOCS)
16340 001 LEC, 14:30-16:25 T, Rapson Hall 100, In Person Term Based; Meets With: 002 FSOS 1101H; Tai Mendenhall ; 4 cr.
16341 002 DIS, 14:30-16:25 Th, Rapson Hall 100, In Person Term Based; Meets With: 003 FSOS 1101H; 4 cr.
16432 004 DIS, 14:30-16:25 Th, Rapson Hall 45, In Person Term Based; 4 cr.
17428 005 DIS, 14:30-16:25 Th, Smith Hall 331, In Person Term Based; 4 cr.

1101H Intimate Relationships Honors

(A-F only; SOCS)
34321 002 LEC, 14:30-16:25 T, Rapson Hall 100, In Person Term Based; Meets With: 001 FSOS 1101; Tai Mendenhall ; 4 cr.
34325 003 DIS, 14:30-16:25 Th, Rapson Hall 100, In Person Term Based; Meets With: 002 FSOS 1101; 4 cr.

1201 Human Development in Families: Lifespan

(Student Option; DSJ,SOCS)
17562 001 LEC, Completely Online; Kaleb Burningham ; 4 cr.
17563 002 LEC, Completely Online; Marilyn Preston ; 4 cr.
34749 003 LEC, Completely Online; Chun Creaser ; 4 cr.

1211 An Interdisciplinary Look at the Family in Multicultural America

(A-F or Audit; SOCS,DSJ)
17268 001 DIS, 14:30-16:25 MW, Peik Hall 215, In Person Term Based; Margaret Kelly ; 4 cr.

1301 Cash or Credit: You Need to Know

(A-F only;)
16763 001 LEC, Completely Online; Virginia Solis Zuiker ; 1 cr.

2101 Preparation for Working With Families

(A-F or Audit;)
16338 001 LEC, 08:45-10:00 TTh, McNeal Hall 316, In Person Term Based; Chalandra Bryant ; 3 cr.

2103 Family Policy

(Student Option;)
16681 001 LEC, Completely Online; Sara Axtell ; 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)
16682 001 LEC, 13:30-14:45 MW, Hodson Hall 490, In Person Term Based; Kay Simon ; 3 cr.

2107 Preparation for Family and Community Engagement

(Student Option;)
17292 001 DIS, 10:15-11:30 MW, McNeal Hall 316, In Person Term Based; Sara Axtell ; 3 cr.

2191 Independent Study in Family Social Science

(Student Option; Prereq: Soph, instr consent)
16348 001 IND, Independent/Directed Study; Gerald August ; 1-4 cr.
16484 002 IND, 00:00-00:00 , , Independent/Directed Study; Sara Axtell ; 1-4 cr.
16486 004 IND, 00:00-00:00 , , Independent/Directed Study; Bill Doherty ; 1-4 cr.
16487 005 IND, 00:00-00:00 , , Independent/Directed Study; Jodi Dworkin ; 1-4 cr.
16488 006 IND, Independent/Directed Study; Jennifer George ; 1-4 cr.
16490 008 IND, 00:00-00:00 , , Independent/Directed Study; Steven Harris ; 1-4 cr.
16491 009 IND, 00:00-00:00 , , Independent/Directed Study; Stacey Horn ; 1-4 cr.
16492 011 IND, 00:00-00:00 , , Independent/Directed Study; Jenifer McGuire ; 1-4 cr.
16493 012 IND, 00:00-00:00 , , Independent/Directed Study; Tai Mendenhall ; 1-4 cr.
16494 013 IND, 00:00-00:00 , , Independent/Directed Study; Cynthia Meyer ; 1-4 cr.
16495 014 IND, 00:00-00:00 , , Independent/Directed Study; Michelle Pasco ; 1-4 cr.
16496 015 IND, 00:00-00:00 , , Independent/Directed Study; Timothy Piehler ; 1-4 cr.
16760 010 IND, 00:00-00:00 , , Independent/Directed Study; Margaret Kelly ; 1-4 cr.
16929 016 IND, 00:00-00:00 , , Independent/Directed Study; Joyce Serido ; 1-4 cr.
16951 017 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.
16957 018 IND, 00:00-00:00 , , Independent/Directed Study; Catherine Solheim ; 1-4 cr.
17051 019 IND, 00:00-00:00 , , Independent/Directed Study; Xiaoran Sun ; 1-4 cr.
17110 020 IND, 00:00-00:00 , , Independent/Directed Study; Lindsey Weiler ; 1-4 cr.
17111 021 IND, 00:00-00:00 , , Independent/Directed Study; Armeda Wojciak ; 1-4 cr.
17301 022 IND, Independent/Directed Study; Zha Xiong ; 1-4 cr.
17302 023 IND, Independent/Directed Study; Virginia Solis Zuiker ; 1-4 cr.

16494 013 IND, 00:00-00:00 , , Independent/Directed Study; Cynthia Meyer ; 1-4 cr.
16495 014 IND, 00:00-00:00 , , Independent/Directed Study; Michelle Pasco ; 1-4 cr.
16496 015 IND, 00:00-00:00 , , Independent/Directed Study; Timothy Piehler ; 1-4 cr.
16760 010 IND, 00:00-00:00 , , Independent/Directed Study; Margaret Kelly ; 1-4 cr.
16929 016 IND, 00:00-00:00 , , Independent/Directed Study; Joyce Serido ; 1-4 cr.
16951 017 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.
16957 018 IND, 00:00-00:00 , , Independent/Directed Study; Catherine Solheim ; 1-4 cr.
17051 019 IND, 00:00-00:00 , , Independent/Directed Study; Xiaoran Sun ; 1-4 cr.
17110 020 IND, 00:00-00:00 , , Independent/Directed Study; Lindsey Weiler ; 1-4 cr.
17111 021 IND, 00:00-00:00 , , Independent/Directed Study; Armeda Wojciak ; 1-4 cr.
17301 022 IND, Independent/Directed Study; Zha Xiong ; 1-4 cr.
17302 023 IND, Independent/Directed Study; Virginia Solis Zuiker ; 1-4 cr.

3101 Personal and Family Finances

(Student Option No Audit;)
16344 001 LEC, Completely Online; Virginia Solis Zuiker ; 3 cr.

3102 Family Systems and Diversity

(Student Option; Prereq: At least soph or instr consent DSJ,SOCS)
16732 001 LEC, 11:45-13:00 TTh, McNeal Hall 395, In Person Term Based; Zha Xiong ; 3 cr.
17427 002 LEC, Completely Online; Malina Her ; 3 cr.

3105 Technology in Parenting and Family Relationships

(Student Option; TS)
17297 001 LEC, 13:30-14:45 TTh, McNeal Hall 10, In Person Term Based; Xiaoran Sun ; 3 cr.

3191 Independent Study in Family Social Science

(Student Option; Prereq: Jr, instr consent)
16349 001 IND, Independent/Directed Study; Gerald August ; 1-5 cr.
16497 002 IND, 00:00-00:00 , , Independent/Directed Study; Sara Axtell ; 1-5 cr.
16498 003 IND, 00:00-00:00 , , Independent/Directed Study; Chalandra Bryant ; 1-5 cr.
16499 004 IND, 00:00-00:00 , , Independent/Directed Study; Bill Doherty ; 1-5 cr.
16500 005 IND, 00:00-00:00 , , Independent/Directed Study; Jodi Dworkin ; 1-5 cr.
16501 006 IND, 00:00-00:00 , , Independent/Directed Study; Jennifer George ; 1-5 cr.
16503 008 IND, 00:00-00:00 , , Independent/Directed Study; Steven Harris ; 1-5 cr.
16504 009 IND, 00:00-00:00 , , Independent/Directed Study; Stacey Horn ; 1-5 cr.
16505 011 IND, 00:00-00:00 , , Independent/Directed Study; Jenifer McGuire ; 1-5 cr.
16506 012 IND, 00:00-00:00 , , Independent/Directed Study; Tai Mendenhall ; 1-5 cr.
16507 013 IND, 00:00-00:00 , , Independent/Directed Study; Cynthia Meyer ; 1-5 cr.
16508 014 IND, 00:00-00:00 , , Independent/Directed Study; Michelle Pasco ; 1-5 cr.
16509 015 IND, 00:00-00:00 , , Independent/Directed Study; Timothy Piehler ; 1-5 cr.
16761 010 IND, 00:00-00:00 , , Independent/Directed Study; Margaret Kelly ; 1-5 cr.
16930 016 IND, 00:00-00:00 , , Independent/Directed Study; Joyce Serido ; 1-5 cr.
16952 017 IND, 00:00-00:00 , , Independent/Directed Study; 1-5 cr.
16958 018 IND, 00:00-00:00 , , Independent/Directed Study; Catherine Solheim ; 1-5 cr.
17052 019 IND, 00:00-00:00 , , Independent/Directed Study; Xiaoran Sun ; 1-5 cr.
17112 020 IND, 00:00-00:00 , , Independent/Directed Study; Lindsey Weiler ; 1-5 cr.
17113 021 IND, 00:00-00:00 , , Independent/Directed Study; Armeda Wojciak ; 1-5 cr.
17303 022 IND, Independent/Directed Study; Zha Xiong ; 1-5 cr.
17304 023 IND, Independent/Directed Study; Virginia Solis Zuiker ; 1-5 cr.

3426 Alcohol and Drugs: Families and Culture

(Student Option;)

16733 001 LEC, Completely Online; Anne Williams-Wengerd ; 3 cr.
17426 002 LEC, Completely Online; Alyssa Maples ; 3 cr.

3429 Counseling Skills Practicum I (Student Option;)

16764 001 LEC, 10:15-11:30 MW, McNeal Hall 395, In Person Term Based; Cynthia Meyer ; 3 cr.
16765 002 LEC, 09:45-11:00 TTh, Appleby Hall 102, In Person Term Based; Cynthia Meyer ; 3 cr.

4101 Sexuality and Gender in Families and Close Relationships

(Student Option; Prereq: At least jr or instr consent)
16343 001 LEC, Completely Online; Cynthia Meyer ; 3 cr.

4104 Family Psychology

(Student Option;)
16473 001 LEC, 08:45-10:00 MW, McNeal Hall 316, In Person Term Based; Steven Harris ; 3 cr.

4107 Traumatic Stress and Resilience in Vulnerable Families Across the Lifespan

(Student Option;)
17564 001 LEC, 10:15-11:30 TTh, Ruttan Hall B45, In Person Term Based; Tai Mendenhall ; 3 cr.

4108 Understanding and Working with Immigrants and Refugee Families

(Student Option; DSJ,SOCS)
17298 001 LEC, 08:45-10:00 TTh, Bortaga Hall 365, In Person Term Based; Zha Xiong ; 3 cr.

4109W Family Theories

(Student Option; WI)
17350 001 LEC, 13:30-14:45 MW, Hodson Hall 495, In Person Term Based; Jennifer George ; 3 cr.

4111 Introduction to Family Therapy

(Student Option;)
17351 001 LEC, 15:00-16:15 MW, Hodson Hall 495, In Person Term Based; Lindsey Weiler ; 3 cr.

4155 Parent-Child Relationships

(A-F or Audit;)
32826 001 LEC, Completely Online; Lindsey Weiler ; 3 cr.

4191 Independent Study in Family Social Science

(Student Option; Prereq: Sr, instr consent)
16350 001 IND, 00:00-00:00 , , Independent/Directed Study; Gerald August ; 1-4 cr.
16510 002 IND, 00:00-00:00 , , Independent/Directed Study; Sara Axtell ; 1-4 cr.
16511 003 IND, 00:00-00:00 , , Independent/Directed Study; Chalandra Bryant ; 1-4 cr.
16512 004 IND, 00:00-00:00 , , Independent/Directed Study; Bill Doherty ; 1-4 cr.
16513 005 IND, 00:00-00:00 , , Independent/Directed Study; Jodi Dworkin ; 1-4 cr.
16514 006 IND, 00:00-00:00 , , Independent/Directed Study; Jennifer George ; 1-4 cr.
16516 008 IND, 00:00-00:00 , , Independent/Directed Study; Steven Harris ; 1-4 cr.
16517 009 IND, 00:00-00:00 , , Independent/Directed Study; Stacey Horn ; 1-4 cr.
16518 011 IND, 00:00-00:00 , , Independent/Directed Study; Jenifer McGuire ; 1-4 cr.
16519 012 IND, 00:00-00:00 , , Independent/Directed Study; Tai Mendenhall ; 1-4 cr.
16520 013 IND, 00:00-00:00 , , Independent/Directed Study; Cynthia Meyer ; 1-4 cr.
16521 014 IND, 00:00-00:00 , , Independent/Directed Study; Michelle Pasco ; 1-4 cr.
16522 015 IND, 00:00-00:00 , , Independent/Directed Study; Timothy Piehler ; 1-4 cr.
16762 010 IND, 00:00-00:00 , , Independent/Directed Study; Margaret Kelly ; 1-4 cr.
16931 016 IND, 00:00-00:00 , , Independent/Directed Study; Joyce Serido ; 1-4 cr.
16954 017 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.
16960 018 IND, 00:00-00:00 , , Independent/Directed Study; Catherine Solheim ; 1-4 cr.
17054 019 IND, 00:00-00:00 , , Independent/Directed Study; Xiaoran Sun ; 1-4 cr.
17116 020 IND, 00:00-00:00 , , Independent/Directed Study; Lindsey Weiler ; 1-4 cr.
17117 021 IND, 00:00-00:00 , , Independent/Directed Study; Armeda Wojciak ; 1-4 cr.
17305 022 IND, Independent/Directed Study; Zha Xiong ; 1-4 cr.
17306 023 IND, Independent/Directed Study; Virginia Solis Zuiker ; 1-4 cr.

4193 Directed Capstone Project

(A-F only;)
16716 001 IND, 00:00-00:00 , , Independent/Directed Study; Gerald August ; 1-4 cr.
16717 002 IND, 00:00-00:00 , , Independent/Directed Study; Chalandra Bryant ; 1-4 cr.
16718 003 IND, 00:00-00:00 , , Independent/Directed Study; Bill Doherty ; 1-4 cr.
16719 004 IND, 00:00-00:00 , , Independent/Directed Study; Jodi Dworkin ; 1-4 cr.
16720 005 IND, 00:00-00:00 , , Independent/Directed Study; Jennifer George ; 1-4 cr.
16722 007 IND, 00:00-00:00 , , Independent/Directed Study; Steven Harris ; 1-4 cr.
16723 008 IND, 00:00-00:00 , , Independent/Directed Study; Stacey Horn ; 1-4 cr.
16724 009 IND, 00:00-00:00 , , Independent/Directed Study; Jenifer McGuire ; 1-4 cr.
16725 010 IND, 00:00-00:00 , , Independent/Directed Study; Tai Mendenhall ; 1-4 cr.
16726 011 IND, 00:00-00:00 , , Independent/Directed Study; Cynthia Meyer ; 1-4 cr.
16727 012 IND, 00:00-00:00 , , Independent/Directed Study; Michelle Pasco ; 1-4 cr.
16728 013 IND, 00:00-00:00 , , Independent/Directed Study; Timothy Piehler ; 1-4 cr.
16729 014 IND, 00:00-00:00 , , Independent/Directed Study; Joyce Serido ; 1-4 cr.
16730 015 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.
16933 016 IND, 00:00-00:00 , , Independent/Directed Study; Catherine Solheim ; 1-4 cr.
16953 017 IND, 00:00-00:00 , , Independent/Directed Study; Xiaoran Sun ; 1-4 cr.
16959 018 IND, 00:00-00:00 , , Independent/Directed Study; Lindsey Weiler ; 1-4 cr.
17053 019 IND, 00:00-00:00 , , Independent/Directed Study; Armeda Wojciak ; 1-4 cr.
17114 020 IND, 00:00-00:00 , , Independent/Directed Study; Zha Xiong ; 1-4 cr.

4294 Research Internship

(Student Option; Prereq: [FSOS major, at least jr] or instr consent)
16351 001 IND, 00:00-00:00 , , Independent/Directed Study; Gerald August ; 1-4 cr.
16523 002 IND, 00:00-00:00 , , Independent/Directed Study; Sara Axtell ; 1-4 cr.
16524 003 IND, 00:00-00:00 , , Independent/Directed Study; Chalandra Bryant ; 1-4 cr.
16525 004 IND, 00:00-00:00 , , Independent/Directed Study; Bill Doherty ; 1-4 cr.
16526 005 IND, 00:00-00:00 , , Independent/Directed Study; Jodi Dworkin ; 1-4 cr.
16527 006 IND, 00:00-00:00 , , Independent/Directed Study; Jennifer George ; 1-4 cr.
16528 007 IND, 00:00-00:00 , , Independent/Directed Study; Steven Harris ; 1-4 cr.
16529 008 IND, 00:00-00:00 , , Independent/Directed Study; Stacey Horn ; 1-4 cr.
16530 009 IND, 00:00-00:00 , , Independent/Directed Study; Jenifer McGuire ; 1-4 cr.
16531 010 IND, 00:00-00:00 , , Independent/Directed Study; Tai Mendenhall ; 1-4 cr.
16532 011 IND, 00:00-00:00 , , Independent/Directed Study; Cynthia Meyer ; 1-4 cr.
16533 012 IND, 00:00-00:00 , , Independent/Directed Study; Michelle Pasco ; 1-4 cr.
16534 013 IND, 00:00-00:00 , , Independent/Directed Study; Timothy Piehler ; 1-4 cr.
16535 014 IND, 00:00-00:00 , , Independent/Directed Study; Joyce Serido ; 1-4 cr.
16932 015 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.
16955 016 IND, 00:00-00:00 , , Independent/Directed Study; Catherine Solheim ; 1-4 cr.
16961 017 IND, 00:00-00:00 , , Independent/Directed Study; Xiaoran Sun ; 1-4 cr.
17055 018 IND, 00:00-00:00 , , Independent/Directed Study; Lindsey Weiler ; 1-4 cr.
17118 019 IND, 00:00-00:00 , , Independent/Directed Study; Armeda Wojciak ; 1-4 cr.
17119 020 IND, 00:00-00:00 , , Independent/Directed Study; Zha Xiong ; 1-4 cr.
34413 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)
16339 001 FWK, 10:15-13:00 F, McNeal Hall 310, 10:15-13:00 F, McNeal Hall 310, 10:15-13:00 F, McNeal Hall 310, 10:15-13:00 F, McNeal Hall 310, Primarily Online; Sara Axtell ; 1-12 cr.

5111 Introduction to Family Therapy

(A-F only;)
17566 001 LEC, 15:00-17:45 M, McNeal Hall 33, In Person Term Based; Steven Harris ; 3 cr.

5193 Directed Study in Family Social Science

(Student Option; Prereq: FSoS or grad student in related field)
16360 001 IND, 00:00-00:00 , , Independent/Directed Study; Gerald August ; 1-6 cr.
16551 002 IND, 00:00-00:00 , , Independent/Directed Study; Sara Axtell ; 1-6 cr.
16552 003 IND, 00:00-00:00 , , Independent/Directed Study; Chalandra Bryant ; 1-6 cr.
16553 004 IND, 00:00-00:00 , , Independent/Directed Study; Bill Doherty ; 1-6 cr.
16554 005 IND, 00:00-00:00 , , Independent/Directed Study; Jodi Dworkin ; 1-6 cr.
16556 007 IND, 00:00-00:00 , , Independent/Directed Study; Tabitha Grier-Reed ; 1-6 cr.
16557 008 IND, 00:00-00:00 , , Independent/Directed Study; Steven Harris ; 1-6 cr.
16558 009 IND, 00:00-00:00 , , Independent/Directed Study; Stacey Horn ; 1-6 cr.
16559 010 IND, 00:00-00:00 , , Independent/Directed Study; Jenifer McGuire ; 1-6 cr.
16560 011 IND, 00:00-00:00 , , Independent/Directed Study; Tai Mendenhall ; 1-6 cr.
16561 013 IND, 00:00-00:00 , , Independent/Directed Study; Michelle Pasco ; 1-6 cr.
16562 014 IND, 00:00-00:00 , , Independent/Directed Study; Timothy Piehler ; 1-6 cr.
16563 015 IND, 00:00-00:00 , , Independent/Directed Study; Joyce Serido ; 1-6 cr.
16564 016 IND, 00:00-00:00 , , Independent/Directed Study; 1-6 cr.
16734 017 IND, 00:00-00:00 , , Independent/Directed Study; Catherine Solheim ; 1-6 cr.
16837 018 IND, 00:00-00:00 , , Independent/Directed Study; Xiaoran Sun ; 1-6 cr.
16934 019 IND, 00:00-00:00 , , Independent/Directed Study; Lindsey Weiler ; 1-6 cr.
17085 012 IND, 00:00-00:00 , , Independent/Directed Study; Cynthia Meyer ; 1-6 cr.
17120 020 IND, 00:00-00:00 , , Independent/Directed Study; Armeda Wojciak ; 1-6 cr.
17121 021 IND, 00:00-00:00 , , Independent/Directed Study; Zha Xiong ; 1-6 cr.
17315 022 IND, 00:00-12:00 , , Independent/Directed Study; Virginia Solis Zuiker ; 1-6 cr.

5701 Prevention Science: Principles and Practices

(A-F or Audit;)
33480 001 DIS, 15:00-17:45 T, McNeal Hall 144, In Person Term Based; Ashley Chesmore ; 3 cr.

5937 Parent-Child Interaction

(A-F only;)
17429 001 LEC, 19:00-19:50 W, Twin Cities Remote, Completely Online; Jennifer George ; 3 cr.

5942 Diverse Family Experiences

(A-F only;)
17430 001 LEC, 20:00-20:50 W, Twin Cities Remote, Completely Online; Jennifer George ; 3 cr.

5944 Curricular Design in Parent Education

(A-F only; Prereq: FSoS 5937 & FSoS 5942 or instr consent)
16927 001 DIS, 19:00-19:50 W, Twin Cities Remote, Completely Online; Shannon Rader ; 3 cr.

5945 Teaching and Learning in Parent Education

(A-F only; Prereq: FSoS 5937 & FSoS 5942 or instr consent)
16928 001 DIS, 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)
22897 001 LEC, 08:15-09:30 MW, Hanson Hall 1-102, In Person Term Based; Eric White ; 3 cr.
22898 002 LEC, 09:45-11:00 TTh, Hanson Hall 1-102, In Person Term Based; Lisa Kline ; 3 cr.
22899 003 LEC, 09:45-11:00 MW, Hanson Hall 1-104, In Person Term Based; Eric White ; 3 cr.
22975 008 LEC, 16:00-17:15 TTh, Carlson School of Mgmt 2-213, In Person Term Based; Jing Gao, Haolin Wu ; 3 cr.

23107 004 LEC, 13:00-14:15 MW, Hanson Hall 1-102, In Person Term Based; Lisa Kline ; 3 cr.
 23140 005 LEC, 13:00-14:15 TTh, Hanson Hall 1-106, In Person Term Based; Stuart Webb ; 3 cr.
 23185 006 LEC, 14:30-15:45 TTh, Hanson Hall 1-102, In Person Term Based; Nick Seeman ; 3 cr.
 23375 007 LEC, 08:15-09:30 TTh, Carlson School of Mgmt 1-123, In Person Term Based; Haolin Wu, Jing Gao ; 3 cr.

3001H Honors: Finance Fundamentals (A-F only; Prereq: Acct 2050 or Acct 2051, SCO 2550 or BA 2551 or equivalent statistics course)

23224 001 LEC, 11:15-12:30 MW, Carlson School of Mgmt 1-123, In Person Term Based; Stuart Webb ; 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.)

22908 002 LEC, 11:50-13:30 MW, Hanson Hall 1-109, In Person Term Based; Colin Ward ; 2 cr.
 22937 001 LEC, 09:55-11:35 MW, Hanson Hall 1-109, In Person Term Based; Colin Ward ; 2 cr.
 23048 003 LEC, 09:55-11:35 TTh, Hanson Hall 1-105, In Person Term Based; Colin Ward ; 2 cr.
 23049 004 LEC, 08:00-09:40 MW, Carlson School of Mgmt 2-213, In Person Term Based; Stuart Webb ; 2 cr.
 34635 005 LEC, 15:45-17:25 TTh, Hanson Hall 1-109, In Person Term Based; Thanh Le ; 2 cr.

4221 Principles of Corporate Finance (A-F only; Prereq: 3001 or 3001H, CSOM major or Math/Actuarial Science major or Management Minor)

23050 001 LEC, 09:55-11:35 TTh, Hanson Hall 1-105, In Person Term Based; Martin Szydlowski ; 2 cr.
 23051 002 LEC, 13:45-15:25 TTh, Hanson Hall 1-109, In Person Term Based; Martin Szydlowski ; 2 cr.
 23052 004 LEC, 15:45-17:25 TTh, Hanson Hall 1-109, In Person Term Based; Martin Szydlowski ; 2 cr.
 23092 003 LEC, 13:45-15:25 TTh, Hanson Hall 1-109, In Person Term Based; Martin Szydlowski ; 2 cr.

4234 Mergers and Acquisitions In Action ? Process and Valuation

(A-F only; Prerequisite: Fina 4422)
 23369 001 FWK, 08:00-09:40 MW, Carlson School of Mgmt 2-233, In Person Term Based; Lisa Kline ; 2 cr.
 32786 002 FWK, 11:50-13:30 MW, Hanson Hall 1-109, In Person Term Based; Alan Thometz ; 2 cr.

4242W Corporate Investment Decisions (A-F or Audit; Prereq: 4121, 4321, 4422, 4522, and CSOM majorW)

23108 002 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-127, In Person Term Based; John Molloy ; 4 cr.
 23291 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-127, In Person Term Based; 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)
 22995 001 LEC, 13:45-15:25 MW, Hanson Hall 1-109, In Person Term Based; Erik Loualiche ; 2 cr.
 23053 002 LEC, 15:45-17:25 MW, Hanson Hall 1-109, In Person Term Based; Erik Loualiche ; 2 cr.
 23054 003 LEC, 08:00-09:40 MW, Hanson Hall 1-109, In Person Term Based; Jeff Bailey ; 2 cr.
 23055 004 LEC, 15:45-17:25 MW, Hanson Hall 1-109, In Person Term Based; Jeff Bailey ; 2 cr.

4329 Security Analysis Capstone

(A-F only; Prereq: 4121 or 4121H, 4321 or 4321H, 4422, 4522, ACCT 5100 or ACCT 5101)
 23101 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 1-149, In Person Term Based; 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)
 23057 003 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 2-224, In Person Term Based; Jeff Bailey ; 2 cr.
 23058 002 LEC, 15:45-17:25 MW, Carlson School of Mgmt 1-149, In Person Term Based; diego borgert ; 2 cr.
 23059 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-149, In Person Term Based; Eric White ; 2 cr.
 23152 004 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 2-224, In Person Term Based; Jeff Bailey ; 2 cr.

23400 005 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-149, In Person Term Based; 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)

23292 001 LEC, 13:45-15:25 MW, Hanson Hall 1-111, In Person Term Based; Stuart Webb ; 2 cr.
 23293 002 LEC, 15:45-17:25 MW, Hanson Hall 1-111, In Person Term Based; Stuart Webb ; 2 cr.
 23294 003 LEC, 13:45-15:25 MW, Hanson Hall 1-111, In Person Term Based; Erik Loualiche ; 2 cr.
 23401 004 LEC, 09:55-11:35 TTh, Hanson Hall 1-109, In Person Term Based; 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.)

23056 001 LEC, 09:55-11:35 MW, Hanson Hall 1-105, In Person Term Based; Juliana Salomao ; 2 cr.
 23266 002 LEC, 11:50-13:30 MW, Hanson Hall 1-105, In Person Term Based; Juliana Salomao ; 2 cr.

4622 International Finance

(A-F only; Prereq: CSOM major, Fina 3001 or 3001H, 4121 or 4121H, 4221)

23267 001 LEC, 11:50-13:30 TTh, Hubert H. Humphrey School 50B, In Person Term Based; Thanh Le ; 2 cr.

4920 Finance Topics

(A-F or Audit;)
 33540 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 2-207, In Person Term Based; Raj Singh ; 2-4 cr.
 34204 002 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 2-207, In Person Term Based; Raj Singh ; 2-4 cr.

5422 Financial Econometrics and Computational Methods I

(A-F only;)
 23295 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt L-114, In Person Term Based; Meets With: 001 MSF 6422; Colin Ward ; 2 cr.

5423 Financial Econometrics and Computational Methods II

(A-F only;)
 23296 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 2-215, In Person Term Based; Meets With: 001 MSF 6423; Colin Ward ; 2 cr.

Financial Mathematics (FM)

5001 Preparation for Financial Mathematics I

(Student Option; Prereq: Grad MFM major or MFM program director approval)
 25364 001 LEC, 17:30-20:20 Th, Vincent Hall 213, In Person Term Based; Rina Ashkenazi ; 3 cr.

5101 Current Events in Finance

(S-N only;)
 26994 001 LEC, 20:20-21:10 Th, Vincent Hall 207, In Person Term Based; Robert Schell ; 1 cr.

5111 Introduction to Financial Markets

(Student Option;)
 26995 001 LEC, 17:30-20:20 T, Vincent Hall 16, In Person Term Based; Gary Hatfield ; 3 cr.

5121 Mathematics for Finance

(Student Option;)
 26997 001 LEC, 17:30-20:20 Th, Bruininks Hall 121, In Person Term Based; Jing Wang ; 3 cr.

5151 Financial Modeling I: Python

(Student Option;)
 26996 001 LEC, 17:30-20:20 W, Keller Hall 2-260, In Person Term Based; Benjamin Carter ; 3 cr.

5323 Data Science and Machine Learning in Finance

(Student Option;)
 26998 001 LEC, 17:30-20:20 T, Bruininks Hall 420A, In Person Term Based; Pritam Dalal ; 3 cr.

5343 Quantitative Risk Management

(Student Option;)
 34200 001 LEC, 17:30-20:20 Th, Bruininks Hall 144, In Person Term Based; Gary Hatfield ; 3 cr.

5353 Software Development in Finance

(Student Option;)
 34205 001 LEC, 17:30-20:20 W, Vincent Hall 209, In Person Term Based; Christopher Prouty ; 3 cr.

5411 Fixed Income Market

(Student Option;)
 34644 001 LEC, 17:30-21:10 M, Vincent Hall 207, In Person Term Based; Timothy Berend ; 2 cr.

5993 Directed Study in Financial

Mathematics
(Student Option;)
 34909 001 IND, In Person Term Based; Rina Ashkenazi ; 1-2 cr.

5996 Internship

(S-N only;)
 34789 001 IND, In Person Term Based; Rina Ashkenazi, Stephanie Lawson ; 1 cr.

Finnish (FIN)

1001 Beginning Finnish I

(Student Option;)
 18118 001 DIS, 14:30-15:20 TTh, Folwell Hall 118, 14:30-15:20 MW, ONLINE BLENDED, Partially Online; Meets With: 001 FIN 4001; Daniel Haataja ; 5 cr.
 34900 301 DIS, 14:30-15:20 MTWTh, Twin Cities Remote, Completely Online; Daniel Haataja ; 5 cr.

1003 Intermediate Finnish I

(Student Option; Prereq: 1002)
 18642 001 DIS, 15:35-16:25 TTh, Folwell Hall 118, 15:35-16:25 MW, ONLINE BLENDED, Partially Online; Meets With: 001 FIN 4003; Daniel Haataja ; 5 cr.

3011 Advanced Finnish

(Student Option; Prereq: 1004 or 4004)
 18070 001 DIS, 16:40-17:55 TTh, Folwell Hall 118, In Person Term Based; Meets With: 001 FIN 4011; Daniel Haataja ; 3 cr.

4001 Beginning Finnish for Graduate Research I

(Student Option;)
 18375 001 DIS, 14:30-15:20 TTh, Folwell Hall 118, 14:30-15:20 MW, ONLINE BLENDED, Partially Online; Meets With: 001 FIN 1001; Daniel Haataja ; 5 cr.

4003 Intermediate Finnish for Graduate Research I

(Student Option;)
 18643 001 DIS, 15:35-16:25 TTh, Folwell Hall 118, 15:35-16:25 MW, ONLINE BLENDED, Partially Online; Meets With: 001 FIN 1003; Daniel Haataja ; 5 cr.

4011 Advanced Finnish for Graduate Research

(Student Option;)
 19752 001 DIS, 16:40-17:55 TTh, Folwell Hall 118, In Person Term Based; Meets With: 001 FIN 3011; Daniel Haataja ; 3 cr.

Fisheries and Wildlife (FW)

1001 Orientation in Fisheries, Wildlife, and Conservation Biology

(A-F or Audit; Prerequisite: FWCB major or instructor permission.)
 22203 001 LEC, 15:00-15:50 M, Ruttan Hall B35, In Person Term Based; Elena West ; 1 cr.

2001W Introduction to Fisheries, Wildlife, and Conservation Biology

(Student Option; Prereq: BIOL 1001 or BIOL 1009ENV,WI)
 22247 001 LEC, 10:15-11:30 Th, Food Science & Nutrition 15, Partially Online; Ellen Candler ; 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)
 22788 001 FWK, 09:00-12:00 F, Plant Growth Facility 140A/B, In Person Term Based; Elena West, Margaret Edwards ; 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)

22789 001 FWK, 13:00-16:00 F, Plant Growth Facility 140A/B, In Person Term Based; Elena West, Margaret Edwards ; 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.)
34389 001 IND, In Person Term Based; 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.)
34390 001 IND, In Person Term Based; 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.)
34273 001 IND, In Person Term Based; Jim Perry ; 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.)
34391 001 IND, In Person Term Based; 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.)
34403 001 IND, In Person Term Based; 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.)
34392 001 IND, In Person Term Based; 1-4 cr.

4001 Biometry

(A-F or Audit;)
22250 001 LEC, 08:45-10:00 TTh, Lrng & Environmental Sci 230, In Person Term Based; John Fieberg ; 4 cr.
22251 002 LAB, 13:55-15:50 M, Lrng & Environmental Sci 230, In Person Term Based; John Fieberg ; 4 cr.

4103 Principles of Wildlife Management

(Student Option; Prereq: Intro biology course, [jr or sr])
22630 001 LEC, 11:45-13:00 TTh, Hodson Hall 495, In Person Term Based; Joseph Bump ; 3 cr.

4136 Ichthyology

(Student Option; Prereq: Biol 1001 or Biol 2012)
22491 001 LEC, 10:15-11:30 MW, McNeal Hall 10, In Person Term Based; Meets With: 001 FW 5136; Andrew Simons ; 4 cr.
22492 002 LAB, 13:55-16:55 M, Ecology Building 160, In Person Term Based; Meets With: 002 FW 5136; Andrew Simons ; 4 cr.
22506 003 LAB, 13:55-16:55 W, Ecology Building 160, In Person Term Based; Meets With: 003 FW 5136; Andrew Simons ; 4 cr.

4603 Preparing Research Proposals for Wildlife Biologists

(A-F only; Prerequisites: EEB 3407 OR 3408 OR 3807, FW 4102 OR 4103, or permission from instructor, concurrent with FW 5603W.)
22716 001 LEC, 13:00-14:00 T, ONLINE BLENDED, 13:00-14:00 T, Alderman Hall 415, Partially Online; James Forester ; 1 cr.

5003 Human Dimensions of Biological Conservation

(Student Option; Prereq: [Biol 1001 or Biol 1009], Biol 3407)
33955 001 LEC, 15:00-16:15 MW, Skok Hall 100, In Person Term Based; David Fulton ; 3 cr.

5136 Ichthyology

(Student Option;)
22627 001 LEC, 10:15-11:30 MW, McNeal Hall 10, In Person Term Based; Meets With: 001 FW 4136; Andrew Simons ; 4 cr.
22628 002 LAB, 13:55-16:55 M, Ecology Building 160, In Person Term Based; Meets With: 002 FW 4136; Andrew Simons ; 4 cr.

22629 003 LAB, 13:55-16:55 W, Ecology Building 160, In Person Term Based; Meets With: 003 FW 4136; Andrew Simons ; 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.)
34394 001 IND, In Person Term Based; 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.)
34397 001 IND, In Person Term Based; 1-4 cr.

5393 Directed Study Wildlife

(Student Option;)
34399 001 IND, In Person Term Based; 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.)
34402 001 IND, In Person Term Based; 1-4 cr.

5459 Stream and River Ecology

(Student Option; Prereq: Limnology course or instr consent)
33284 001 LEC, 13:30-14:45 TTh, Hodson Hall 490, In Person Term Based; Ray Newman ; 3 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.)
34400 001 IND, In Person Term Based; 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.)
34401 001 IND, In Person Term Based; 1-4 cr.

5603W Habitats and Regulation of Wildlife

(A-F or Audit; Prereq: [FW 4102 or FW 4103], [EEB 3407 or EEB 3408 or EEB 3807]WI)
22233 001 LEC, 14:00-16:00 TTh, ONLINE BLENDED, 14:00-16:00 TTh, Alderman Hall 415, Partially Online; James Forester ; 3 cr.

Food Science and Nutrition (FSCN)

1001 Orientation to the Majors: Food Science and Nutrition

(S-N only;)
22838 001 LEC, 13:55-14:45 T, Food Science & Nutrition 23, In Person Term Based; Corrie Marion ; 1 cr.

1011 Science of Food and Cooking

(Student Option; PHYS)
22482 001 LEC, 11:45-13:00 MW, Food Science & Nutrition 15, In Person Term Based; Belal J Muhialdin Mula Hasan ; 4 cr.
22483 002 LAB, 09:35-11:30 M, McNeal Hall 126, In Person Term Based; Anna Bishop ; 4 cr.
22484 003 LAB, 13:15-15:10 M, McNeal Hall 126, In Person Term Based; Anna Bishop ; 4 cr.
22485 004 LAB, 09:35-11:30 W, McNeal Hall 126, In Person Term Based; Anna Bishop ; 4 cr.
22486 005 LAB, 13:15-15:10 W, McNeal Hall 126, In Person Term Based; Anna Bishop ; 4 cr.

1012 Sports Nutrition

(Student Option;)
22637 001 LEC, Completely Online; Renata Korczak ; 3 cr.

1102 Food: Safety, Risks, and Technology

(Student Option No Audit; CIV)
22204 001 LEC, 09:35-10:25 MWF, Food Science & Nutrition 15, In Person Term Based; Steven Bowden ; 3 cr.

1112 Principles of Nutrition

(Student Option; Prerequisites: High school biology and chemistry(TS))
22205 002 LEC, 16:00-17:15 TTh, Food Science & Nutrition 15, In Person Term Based; Mindy Kurzer ; 3 cr.

22597 001 LEC, 08:00-09:15 TTh, Bruininks Hall 220, In Person Term Based; Robin Schow ; 3 cr.
22845 003 LEC, Completely Online; Corrie Marion ; 3 cr.

2001 A Food Systems Approach to Cooking for Health and the Environment
(Student Option; Prereq: [soph, jr, sr] or instructor consent)

22731 002 LAB, 10:15-12:45 Th, McNeal Hall 126, In Person Term Based; Robin Schow, Jennifer Breen ; 3 cr.
22732 003 LAB, 13:45-16:15 Th, McNeal Hall 126, In Person Term Based; Robin Schow, Jennifer Breen ; 3 cr.
22852 001 LEC, 15:00-16:40 T, Green Hall 110, In Person Term Based; Robin Schow ; 3 cr.
22857 004 LAB, 16:00-18:30 W, McNeal Hall 126, In Person Term Based; Robin Schow, Jennifer Breen ; 3 cr.

2021 Introductory Microbiology

(A-F only;)
22850 001 LEC, 12:50-13:40 MWF, Ruttan Hall B26, In Person Term Based; Daniel O'Sullivan ; 4 cr.
22851 002 LAB, 13:55-15:50 M, Lab TBA, In Person Term Based; Daniel O'Sullivan ; 4 cr.

2512 Food Customs and Culture

(A-F or Audit; GP)
22858 001 LEC, 14:30-15:45 TTh, Mayo Bldg & Additions C231, In Person Term Based; Francine Overcash, Job Ubbink ; 3 cr.

3102 Introduction to Food Science

(Student Option; Prereq: CHEM 1022 or [CHEM 1062 and CHEM 1066])
22206 001 LEC, 15:00-15:50 TTh, McNeal Hall 33, In Person Term Based; Zata Vickers ; 3 cr.
22253 003 LAB, 10:40-12:35 T, McNeal Hall 134, In Person Term Based; Zata Vickers ; 3 cr.
22361 004 LAB, 12:50-14:45 T, McNeal Hall 134, In Person Term Based; Zata Vickers ; 3 cr.

3612 Life Cycle Nutrition

(Student Option;)
22207 001 LEC, 12:50-13:40 MWF, Andrew Boss Laboratory 125, In Person Term Based; Aimee Tritt ; 3 cr.

3614 Nutrition Education and Counseling

(Student Option; Prerequisites courses for FSCN 3614. However, it is recommended that students take an introductory nutrition course, such as FSCN 1112 (Principles of Nutrition) or equivalent in order to be prepared.)
22376 001 DIS, 10:45-12:00 MWF, Andrew Boss Laboratory 125, In Person Term Based; Aimee Tritt ; 3 cr.

3731 Food Service Operations Management Laboratory

(A-F or Audit; Prereq: [3102 or concurrent registration is required (or allowed) in 3102], [3732 or concurrent registration is required (or allowed) in 3732])
22208 001 LAB, 08:05-10:25 Th, Andrew Boss Laboratory 125, In Person Term Based; Len Marquart ; 2 cr.

3732 Food Service Operations Management

(A-F or Audit;)
22209 001 LEC, 09:35-10:25 MWF, Andrew Boss Laboratory 125, In Person Term Based; Len Marquart ; 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.)
22855 001 IND, In Person Term Based; 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.)
22856 001 IND, In Person Term Based; 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.)
22262 001 FWK, 00:00-00:00 , , In Person Term Based; 1-4 cr.

4112 Food Chemistry and Functional Foods

(Student Option; Prereq: 3102, BIOC 3021)

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

- 22534 001 IND, 00:00-00:00 , , In Person Term Based; Chad Babcock ; 1-4 cr.
- 22535 002 IND, 00:00-00:00 , , In Person Term Based; Charlie Blinn ; 1-4 cr.
- 22536 003 IND, 00:00-00:00 , , In Person Term Based; Paul Bolstad ; 1-4 cr.
- 22537 005 IND, 00:00-00:00 , , In Person Term Based; Dean Current ; 1-4 cr.
- 22538 007 IND, 00:00-00:00 , , In Person Term Based; Andrew David ; 1-4 cr.
- 22539 008 IND, 00:00-00:00 , , In Person Term Based; Mike Dockry ; 1-4 cr.
- 22540 009 IND, 00:00-00:00 , , In Person Term Based; Christopher Edgar ; 1-4 cr.
- 22541 011 IND, 00:00-00:00 , , In Person Term Based; Lee Frelich ; 1-4 cr.
- 22542 012 IND, 00:00-00:00 , , In Person Term Based; Diana Karwan ; 1-4 cr.
- 22543 013 IND, 00:00-00:00 , , In Person Term Based; Mike Kilgore ; 1-4 cr.
- 22544 016 IND, 00:00-00:00 , , In Person Term Based; Kristen Nelson ; 1-4 cr.
- 22545 017 IND, 00:00-00:00 , , In Person Term Based; Peter Reich ; 1-4 cr.
- 22546 020 IND, 00:00-00:00 , , In Person Term Based; John Zobel ; 1-4 cr.
- 22563 015 IND, 00:00-00:00 , , In Person Term Based; Rebecca Montgomery ; 1-4 cr.
- 22571 018 IND, 00:00-00:00 , , In Person Term Based; Ingrid Schneider ; 1-4 cr.
- 22572 014 IND, 00:00-00:00 , , In Person Term Based; Joe Knight ; 1-4 cr.
- 22573 010 IND, 00:00-00:00 , , In Person Term Based; Forrest Fleischman ; 1-4 cr.
- 22574 006 IND, 00:00-00:00 , , In Person Term Based; Mae Davenport ; 1-4 cr.
- 22584 019 IND, 00:00-00:00 , , In Person Term Based; Marcella Windmuller-Campione ; 1-4 cr.
- 22589 004 IND, 00:00-00:00 , , In Person Term Based; Stephan Carlson ; 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.)

- 22801 001 IND, In Person Term Based; Chad Babcock ; 1-4 cr.
- 22802 002 IND, In Person Term Based; Charlie Blinn ; 1-4 cr.
- 22803 003 IND, In Person Term Based; Paul Bolstad ; 1-4 cr.
- 22804 004 IND, In Person Term Based; Stephan Carlson ; 1-4 cr.
- 22805 005 IND, In Person Term Based; Dean Current ; 1-4 cr.
- 22806 006 IND, In Person Term Based; Mae Davenport ; 1-4 cr.
- 22807 007 IND, In Person Term Based; Andrew David ; 1-4 cr.
- 22808 008 IND, In Person Term Based; Mike Dockry ; 1-4 cr.
- 22809 009 IND, In Person Term Based; Christopher Edgar ; 1-4 cr.
- 22810 010 IND, In Person Term Based; Forrest Fleischman ; 1-4 cr.
- 22811 011 IND, In Person Term Based; Lee Frelich ; 1-4 cr.
- 22812 012 IND, In Person Term Based; Diana Karwan ; 1-4 cr.
- 22813 013 IND, In Person Term Based; Mike Kilgore ; 1-4 cr.
- 22814 014 IND, In Person Term Based; Joe Knight ; 1-4 cr.
- 22815 015 IND, In Person Term Based; Rebecca Montgomery ; 1-4 cr.
- 22816 016 IND, In Person Term Based; Kristen Nelson ; 1-4 cr.
- 22817 017 IND, In Person Term Based; Peter Reich ; 1-4 cr.
- 22818 018 IND, In Person Term Based; Ingrid Schneider ; 1-4 cr.
- 22819 019 IND, In Person Term Based; Marcella Windmuller-Campione ; 1-4 cr.
- 22820 020 IND, In Person Term Based; John Zobel ; 1-4 cr.

5104 Forest Ecology

(A-F or Audit;)

- 22522 001 LEC, 11:45-13:00 MW, Biological Sciences Ctr 64, In Person Term Based; Meets With: 001 FNRM 3104; Rebecca Montgomery ; 4 cr.
- 22523 002 LAB, 00:00-00:00 , Lab TBA, In Person Term Based; Rebecca Montgomery ; 4 cr.

5114 Hydrology and Watershed Management

(Student Option;)

- 22564 001 LEC, 10:15-11:30 TTh, Green Hall 110, In Person Term Based; Meets With: 001 FNRM 3114; Diana Karwan ; 3 cr.

5131 Geographical Information Systems (GIS) for Natural Resources

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

- 22565 001 LEC, 15:00-15:50 TTh, Green Hall 19, In Person Term Based; Andrew Jenks, Paul Bolstad ; 4 cr.
- 22566 002 LAB, 12:50-14:45 W, Skok Hall 35, In Person Term Based; Meets With: 002 FNRM 3131; Andrew Jenks, Paul Bolstad ; 4 cr.
- 22567 003 LAB, 09:35-11:30 Th, Skok Hall 35, In Person Term Based; Meets With: 003 FNRM 3131; Andrew Jenks, Paul Bolstad ; 4 cr.
- 22570 020 LEC, 00:00-00:00 , ONLINE, Completely Online; Andrew Jenks, Paul Bolstad ; 4 cr.
- 22594 021 LAB, 00:00-00:00 , ONLINE, Completely Online; Andrew Jenks, Paul Bolstad ; 4 cr.

5140 Traditional Ecological Knowledge and Western Natural Resource Management

(Student Option;)

- 32632 001 DIS, 08:45-11:30 T, Green Hall 19, In Person Term Based; Mike Dockry ; 3 cr.

5204 Landscape Ecology and Management

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

- 22576 001 LEC, 15:00-16:15 TTh, Skok Hall 100, In Person Term Based; Meets With: 001 FNRM 3204; Lee Frelich ; 3 cr.

5206 Park and Protected Area Management Field Studies

(A-F only; Prereq: grad student)

- 32750 001 FWK, In Person Term Based; Meets With: 001 FNRM 3206; Mae Davenport ; 2 cr.

5228 Advanced Topics in Assessment and Modeling of Forests

(A-F or Audit; Prereq: 3218, Math 1272, Stat 5021)

- 32858 001 LEC, 08:45-10:00 MW, Green Hall 19, In Person Term Based; John Zobel ; 3 cr.

5259 Visitor Behavior Analysis

(Student Option;)

- 22620 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Mae Davenport ; 3 cr.

5262 Remote Sensing and Geospatial Analysis of Natural Resources and Environment

(Student Option; Prereq: Grad student or instr consent)

- 22595 001 LEC, 08:45-10:00 TTh, Alderman Hall 415, In Person Term Based; Meets With: 001 FNRM 3262; Joe Knight ; 3 cr.
- 22596 002 LAB, 08:30-10:25 M, Skok Hall 35, In Person Term Based; Meets With: 002 FNRM 3262; Joe Knight ; 3 cr.
- 22693 003 LAB, Completely Online; Meets With: 003 FNRM 3262; Joe Knight ; 3 cr.

5411 Managing Forest Ecosystems: Silviculture

(A-F only; Prereq: grad student)

- 22611 001 LEC, 11:45-13:00 TTh, Green Hall 110, In Person Term Based; Meets With: 001 FNRM 3411; Marcella Windmuller-Campione ; 3 cr.

5413 Managing Forest Ecosystems: Silviculture Lab

(A-F only; Prereq: FNRM major or minor or grad student; FNRM-FEMC track students should take FNRM 3411/5411 concurrently or instructor consent)

- 22612 001 LAB, 13:15-14:05 T, Skok Hall 35, In Person Term Based; Marcella Windmuller-Campione ; 1 cr.

5471 Forest Management Planning

(A-F or Audit; Prereq: Grad student)

- 22657 001 LEC, 15:00-16:15 MW, Green Hall 19, In Person Term Based; Meets With: 001 FNRM 3471; Christopher Edgar ; 3 cr.

5562 Field Remote Sensing

(Student Option; Prerequisite: grad student)

- 32950 001 FWK, 09:00-17:00 Sa, No Room Required, 09:00-17:00 Sa, No Room Required, Partially Online; Meets With: 001 FNRM 3562; Chad Babcock ; 1 cr.

French (FREN)

1001 Beginning French I

(Student Option;)

- 18218 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 103, Partially Online; Meets With: 001 FREN 4001; Daria Belchik ; 5 cr.
- 18378 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 106, Partially Online; Meets With: 002 FREN 4001; Lucas Godillon ; 5 cr.
- 18379 003 DIS, 10:10-11:00 MTWTh, Folwell Hall 121, Partially Online; Meets With: 003 FREN 4001; Chimene Dupuis ; 5 cr.
- 18380 004 DIS, 11:15-12:05 MTWTh, Folwell Hall 122, Partially Online; Meets With: 004 FREN 4001; Nahile Belghali ; 5 cr.
- 18381 005 DIS, 13:25-14:15 MTWTh, Folwell Hall 121, Partially Online; Meets With: 005 FREN 4001; Ashlie Henery ; 5 cr.
- 18739 006 DIS, 14:30-16:25 TTh, Folwell Hall 30, Partially Online; Meets With: 006 FREN 4001; Ashlie Henery ; 5 cr.
- 19421 007 DIS, 18:20-20:25 MTh, Folwell Hall 16, In Person Term Based; Meets With: 007 FREN 4001; Lise Hoy ; 5 cr.

1002 Beginning French II

(Student Option; Prereq: FREN 1001 or equivalent.)

- 18219 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 105, Partially Online; Meets With: 004 FREN 4002; Fidele Tchoffo Tsasse ; 5 cr.
- 18220 002 DIS, 13:25-14:15 MTWTh, Folwell Hall 31, Partially Online; Meets With: 002 FREN 4002; Lise Hoy ; 5 cr.
- 18221 003 DIS, 14:30-16:25 TTh, Folwell Hall 122, Partially Online; Meets With: 003 FREN 4002; Anne Thompson ; 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))

- 18222 001 DIS, 08:00-08:50 MTWTh, Twin Cities Remote, Completely Online; Meets With: 001 FREN 4003; Patricia Mougel ; 5 cr.
- 18223 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 103, Partially Online; Meets With: 002 FREN 4003; Lauren Goodspeed ; 5 cr.
- 18224 003 DIS, 10:10-11:00 MTWTh, Folwell Hall 18, Partially Online; Meets With: 003 FREN 4003; Pauline Maison-Dessenme ; 5 cr.
- 18225 004 DIS, 11:15-12:05 MTWTh, Folwell Hall 18, Partially Online; Meets With: 004 FREN 4003; Lauren Goodspeed ; 5 cr.
- 18226 005 DIS, 12:20-13:10 MTWTh, Folwell Hall 13, Partially Online; Meets With: 005 FREN 4003; Marina Calas ; 5 cr.
- 18227 006 DIS, 13:25-14:15 MTWTh, Folwell Hall 103, Partially Online; Meets With: 006 FREN 4003; Marina Calas ; 5 cr.
- 18228 007 DIS, 18:20-20:25 MTh, Folwell Hall 10, In Person Term Based; Meets With: 007 FREN 4003; Janel Toussaint ; 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))

- 18229 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 13, Partially Online; Meets With: 001 FREN 4004; Arwa Reda ; 5 cr.
- 18230 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 13, Partially Online; Meets With: 002 FREN 4004; Lydia Belateche ; 5 cr.
- 18440 003 DIS, 10:10-11:00 MTWTh, Twin Cities Remote, Completely Online; Meets With: 003 FREN 4004; Patricia Mougel ; 5 cr.
- 18645 004 DIS, 10:10-11:00 MTWTh, Folwell Hall 13, Partially Online; Meets With: 004 FREN 4004; Lydia Belateche ; 5 cr.
- 18646 005 DIS, 11:15-12:05 MTWTh, Folwell Hall 10, Partially Online; Meets With: 005 FREN 4004; Ramon Fonkoue ; 5 cr.
- 18648 006 DIS, 13:25-14:15 MTWTh, Twin Cities Remote, Completely Online; Meets With: 006 FREN 4004; Patricia Mougel ; 5 cr.
- 19888 007 DIS, 18:20-20:25 MTh, Folwell Hall 13, In Person Term Based; Meets With: 007 FREN 4004; Ramon Fonkoue ; 5 cr.

1022 Accelerated Beginning French

(Student Option;)

- 18369 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 6, 09:05-09:55 F, Folwell Hall 6, Partially Online; Meets With: 001 FREN 4022; Anne Thompson ; 5 cr.
- 18370 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 16, 10:10-11:00 F, Folwell Hall 16, Partially Online; Meets With: 002 FREN 4022; Rick Treece ; 5 cr.
- 18371 003 DIS, 11:15-12:05 MTWTh, Appleby Hall 11, 11:15-12:05 F, Appleby Hall 11, Partially Online; Meets With: 003 FREN 4022; Anne Thompson ; 5 cr.

32866 005 DIS, 13:25-14:15 MTWTh, Folwell Hall 106,
13:25-14:15 F, Folwell Hall 106, Partially Online; Rick
Treece ; 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)

20979 001 DIS, 14:30-15:45 TTh, Burton Hall 120, In Person Term Based; Sally Kessler ; 3 cr.

1502 Gateways to French and Francophone Studies: Bilingual

(A-F or Audit; Prereq: FREN 1004 (or equivalent through the LPE)AH,GP)

20980 001 DIS, 14:30-15:45 TTh, Burton Hall 125, In Person Term Based; Jennifer Row ; 3 cr.

3014 French Phonetics

(Student Option; Prereq: 1004)

21016 001 DIS, 11:15-12:05 MWF, Folwell Hall 120, In Person Term Based; Rick Treece ; 3 cr.

3015 Advanced French Grammar and Communication

(Student Option; Prerequisite: French 1004 or LPE. *Voilà, 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 Isout*), 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 *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.)

18231 001 DIS, 09:05-09:55 MWF, Folwell Hall 112, In Person Term Based; Magda Lissa Jeudy ; 3 cr.

18232 002 DIS, 11:15-12:05 MWF, Vincent Hall 209, In Person Term Based; Bruno Chauat ; 3 cr.

18834 003 DIS, 13:25-14:15 MWF, Peik Hall 225, In Person Term Based; Lydia Belateche ; 3 cr.

3016 Advanced French Composition and Communication

(Student Option; Prerequisite: FREN 3015.)

18233 001 LEC, 09:05-09:55 MWF, Folwell Hall 119, In Person Term Based; Trina Whitaker ; 3 cr.

18436 002 LEC, 10:10-11:00 MWF, Folwell Hall 112, In Person Term Based; Trina Whitaker ; 3 cr.

3101W Methods in French and Francophone Studies

(Student Option; Prereq: 3016 or equivLITR,WI)

18234 002 DIS, 11:15-12:30 TTh, Folwell Hall 116, In Person Term Based; Jennifer Row ; 3 cr.

18235 001 DIS, 09:45-11:00 MW, Folwell Hall 108, In Person Term Based; Christophe Wall-Romana ; 3 cr.

3345 The Holocaust in France: Literature, History, Testimony

(Student Option; Prereq: FREN 3015; it is recommended that students have taken, or take concurrently, FREN 3101W.)

32868 001 DIS, 14:30-15:45 MW, Folwell Hall 5, In Person Term Based; Bruno Chauat ; 3 cr.

3479 Francophone Writers of the African Diaspora

(Student Option; Prereq: 3101)

33119 001 DIS, 13:00-14:15 TTh, Kolthoff Hall 133, In Person Term Based; Ramon Fonkoue ; 3 cr.

3852 Memory in French and Francophone Cinema

(Student Option; Prereq: Students should have completed FREN 3016 with a minimum grade of B.)

32900 001 DIS, 13:00-14:15 MW, Nicholson Hall 335, In Person Term Based; Christophe Wall-Romana ; 3 cr.

3896 Internship in a French-Speaking Milieu

(A-F only; Prereq: 3016, 3014 [3018 strongly recommended], [3022 strongly recommended for students undertaking internships in business, government, or law])

20483 001 IND, In Person Term Based; Trina Whitaker ; 1-4 cr.

4001 Beginning French for Graduate Student Research I

(Student Option;)

19056 004 DIS, 11:15-12:05 MTWTh, Folwell Hall 122, Partially Online; Meets With: 004 FREN 1001; Nahile Belghali ; 5 cr.

20169 006 DIS, 14:30-16:25 TTh, Folwell Hall 30, Partially Online; Meets With: 006 FREN 1001; Ashlie Henery ; 5 cr.

20353 003 DIS, 10:10-11:00 MTWTh, Folwell Hall 121, Partially Online; Meets With: 003 FREN 1001; Chimene Dupuis ; 5 cr.

20923 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 103, Partially Online; Meets With: 001 FREN 1001; Daria Belchik ; 5 cr.

21022 007 DIS, 18:20-20:25 MTh, Folwell Hall 16, In Person Term Based; Meets With: 007 FREN 1001; Lise Hoy ; 5 cr.

21023 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 106, Partially Online; Meets With: 002 FREN 1001; Lucas Godillon ; 5 cr.

21024 005 DIS, 13:25-14:15 MTWTh, Folwell Hall 121, Partially Online; Meets With: 005 FREN 1001; Ashlie Henery ; 5 cr.

4002 Beginning French for Graduate Student Research II

(Student Option; Prereq: FREN 1001/4001 or equivalent.)

20170 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 105, Partially Online; Meets With: 001 FREN 1002; Fidele Tchoffo Tsasse ; 5 cr.

20352 003 DIS, 14:30-16:25 TTh, Folwell Hall 122, Partially Online; Meets With: 003 FREN 1002; Anne Thompson ; 5 cr.

21025 002 DIS, 13:25-14:15 MTWTh, Folwell Hall 31, Partially Online; Meets With: 002 FREN 1002; Lise Hoy ; 5 cr.

21026 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 103, Partially Online; Meets With: 002 FREN 1003; Lauren Goodspeed ; 5 cr.

21027 004 DIS, 11:15-12:05 MTWTh, Folwell Hall 18, Partially Online; Meets With: 004 FREN 1003; Lauren Goodspeed ; 5 cr.

21028 006 DIS, 13:25-14:15 MTWTh, Folwell Hall 103, Partially Online; Meets With: 006 FREN 1003; Marina Calas ; 5 cr.

21029 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 13, Partially Online; Meets With: 001 FREN 1004; Arwa Reda ; 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))

19057 005 DIS, 12:20-13:10 MTWTh, Folwell Hall 13, Partially Online; Meets With: 005 FREN 1003; Marina Calas ; 5 cr.

20350 001 DIS, 08:00-08:50 MTWTh, Twin Cities Remote, Completely Online; Meets With: 001 FREN 1003; Patricia Mougel ; 5 cr.

20351 003 DIS, 10:10-11:00 MTWTh, Folwell Hall 18, Partially Online; Meets With: 003 FREN 1003; Pauline Maison-Dessemme ; 5 cr.

21020 007 DIS, 18:20-20:25 MTh, Folwell Hall 10, In Person Term Based; Meets With: 007 FREN 1003; Janel Toussaint ; 5 cr.

21026 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 103, Partially Online; Meets With: 002 FREN 1003; Lauren Goodspeed ; 5 cr.

21027 004 DIS, 11:15-12:05 MTWTh, Folwell Hall 18, Partially Online; Meets With: 004 FREN 1003; Lauren Goodspeed ; 5 cr.

21028 006 DIS, 13:25-14:15 MTWTh, Folwell Hall 103, Partially Online; Meets With: 006 FREN 1003; Marina Calas ; 5 cr.

21029 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 13, Partially Online; Meets With: 001 FREN 1004; Arwa Reda ; 5 cr.

21020 007 DIS, 18:20-20:25 MTh, Folwell Hall 10, In Person Term Based; Meets With: 007 FREN 1003; Janel Toussaint ; 5 cr.

21026 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 103, Partially Online; Meets With: 002 FREN 1003; Lauren Goodspeed ; 5 cr.

21027 004 DIS, 11:15-12:05 MTWTh, Folwell Hall 18, Partially Online; Meets With: 004 FREN 1003; Lauren Goodspeed ; 5 cr.

21028 006 DIS, 13:25-14:15 MTWTh, Folwell Hall 103, Partially Online; Meets With: 006 FREN 1003; Marina Calas ; 5 cr.

21029 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 13, Partially Online; Meets With: 001 FREN 1004; Arwa Reda ; 5 cr.

21020 007 DIS, 18:20-20:25 MTh, Folwell Hall 10, In Person Term Based; Meets With: 007 FREN 1003; Janel Toussaint ; 5 cr.

21026 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 103, Partially Online; Meets With: 002 FREN 1003; Lauren Goodspeed ; 5 cr.

21027 004 DIS, 11:15-12:05 MTWTh, Folwell Hall 18, Partially Online; Meets With: 004 FREN 1003; Lauren Goodspeed ; 5 cr.

21028 006 DIS, 13:25-14:15 MTWTh, Folwell Hall 103, Partially Online; Meets With: 006 FREN 1003; Marina Calas ; 5 cr.

21029 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 13, Partially Online; Meets With: 001 FREN 1004; Arwa Reda ; 5 cr.

21030 002 DIS, 09:05-09:55 MTWTh, Folwell Hall 13, Partially Online; Meets With: 002 FREN 1004; Lydia Belateche ; 5 cr.

21031 003 DIS, 10:10-11:00 MTWTh, Twin Cities Remote, Completely Online; Meets With: 003 FREN 1004; Patricia Mougel ; 5 cr.

21032 005 DIS, 11:15-12:05 MTWTh, Folwell Hall 10, Partially Online; Meets With: 005 FREN 1004; Ramon Fonkoue ; 5 cr.

21033 007 DIS, 18:20-20:25 MTh, Folwell Hall 13, In Person Term Based; Meets With: 007 FREN 1004; Ramon Fonkoue ; 5 cr.

21034 009 DIS, 09:05-09:55 MTWTh, Folwell Hall 10, Partially Online; Meets With: 009 FREN 1004; Ramon Fonkoue ; 5 cr.

4022 Accelerated Beginning French for Graduate Student Research

(Student Option; Prereq: 1001/4001 or equivalent)

20354 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 6, 09:05-09:55 F, Folwell Hall 6, Partially Online; Meets With: 001 FREN 1022; Anne Thompson ; 5 cr.

20355 003 DIS, 11:15-12:05 MTWTh, Appleby Hall 11, 11:15-12:05 F, Appleby Hall 11, Partially Online; Meets With: 003 FREN 1022; Anne Thompson ; 5 cr.

21035 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 16, 10:10-11:00 F, Folwell Hall 16, Partially Online; Meets With: 002 FREN 1022; Rick Treece ; 5 cr.

4109W Capstone Independent Study in French and Francophone Studies

(A-F only; Prereq: instr consent, [completion of most major coursework or permission of DUS]WI)

19686 001 IND, 00:00-00:00 , Independent/Directed Study; 2 cr.

4993 Directed Study

(Student Option; Prereq: instr consent)

18236 001 IND, In Person Term Based; 1-4 cr.

5350 Topics in Literature and Culture

(Student Option; Prereq: 3101 or equiv)

32885 001 LEC, 14:30-17:00 Th, Folwell Hall 119, In Person Term Based; Hakim Abderrezak ; 3 cr.

French and Italian (FRIT)

1601 Migrants and Refugees in Mediterranean Cinema

(Student Option; AH,GP)

32886 001 LEC, 11:15-12:30 TTh, West Bank Skyway 20, In Person Term Based; Hakim Abderrezak ; 3 cr.

5999 Teaching of French and Italian: Theory and Practice

(Student Option;)

18210 001 DIS, 14:30-17:00 T, Folwell Hall 8, In Person Term Based; Meets With: 001 SPPT 5999001 GSD 5103; Kate Paesani ; 3 cr.

Gay, Lesbian, Bisexual, Transg (GLBT)

1001 Introduction to GLBT Studies

(Student Option; DSJ,SOC)

31653 001 LEC, Completely Online; Meets With: 001 GWSS 1007; Ilana Turner ; 3 cr.

3993 Directed Studies

(A-F or Audit; Prereq: GLBT studies minor, instr consent)

19358 001 IND, 00:00-00:00 , In Person Term Based; 1-6 cr.

4101 Gender, Sexuality, and Politics in America

(Student Option; DSJ,HIS)

33500 001 LEC, 13:00-14:15 MW, Ford Hall 151, In Person Term Based; Meets With: 001 AMST 4101; Elliott Powell ; 3 cr.

5993 Directed Study

(Student Option;)

19359 001 IND, 00:00-00:00 , Independent/Directed Study; 1-12 cr.

Gender, Women, & Sexuality Std (GWSS)

1001 Gender, Power, and Everyday Life

(Student Option;)
20108 001 DIS, Completely Online; Isaac Esposto ; 3 cr.

1006 Skin, Sex, and Genes

(Student Option; SOCS,TS)
20421 001 LEC, 10:10-11:00 MW, Bruininks Hall 412, In Person Term Based; Aren Aizura ; 3 cr.
20435 002 DIS, 10:10-11:00 F, Twin Cities Remote, Completely Online; 3 cr.
20436 003 DIS, 10:10-11:00 F, Ford Hall 127, In Person Term Based; 3 cr.
20437 004 DIS, 11:15-12:05 F, Twin Cities Remote, Completely Online; 3 cr.
20797 005 DIS, 11:15-12:05 F, Ford Hall 127, In Person Term Based; 3 cr.

1007 Introduction to GLBT Studies

(Student Option; DSJ,SOCS)
31609 001 LEC, Completely Online; Meets With: 001 GLBT 1001; Ilana Turner ; 3 cr.

3002W Gender, Race, and Class in the U.S.

(A-F only; DSJ,WI)
20806 001 DIS, 11:15-12:30 MW, ONLINE BLENDED, 11:15-12:30 MW, Appleby Hall 204, Partially Online; Hale Konitshek ; 3 cr.

3003 Gender and Global Politics

(Student Option; GP,SOCS)
21508 001 DIS, 09:00-11:30 W, Twin Cities Remote, Completely Online; Richa Nagar ; 3 cr.

3102W Honors: Feminist Thought and Theory

(A-F only; AH,WI,CIV)
20186 001 LEC, 10:10-11:00 TTh, Nicholson Hall 275, In Person Term Based; Meets With: 001 GWSS 3102W; Miranda Joseph ; 3 cr.
20810 002 DIS, 11:15-12:05 T, Mechanical Engineering 108, In Person Term Based; Miranda Joseph ; 3 cr.

3102W Feminist Thought and Theory

(A-F only; AH,WI,CIV)
19695 001 LEC, 10:10-11:00 TTh, Nicholson Hall 275, In Person Term Based; Meets With: 001 GWSS 3102W; Miranda Joseph ; 3 cr.
20807 002 DIS, 11:15-12:05 T, Nicholson Hall 335, In Person Term Based; Meets With: 003 GWSS 3102W; Miranda Joseph ; 3 cr.
20808 003 DIS, 11:15-12:05 T, Nicholson Hall 335, In Person Term Based; Meets With: 002 GWSS 3102W; Miranda Joseph ; 3 cr.
20809 004 DIS, 11:15-12:05 Th, Bruininks Hall 512B, In Person Term Based; Meets With: 005 GWSS 3102W; Miranda Joseph ; 3 cr.
21507 005 DIS, 11:15-12:05 Th, Bruininks Hall 512B, In Person Term Based; Meets With: 004 GWSS 3102W; Miranda Joseph ; 3 cr.

3303W Writing Differences: Literature by U.S. Women of Color

(Student Option; DSJ,WI,LITR)
20972 001 DIS, 09:45-11:00 MW, ONLINE BLENDED, 09:45-11:00 MW, Peik Gymnasium G55, Partially Online; Meets With: 001 AAS 3303W001 ENGL 3303W001 GWSS 4303W; Jigna Desai ; 3 cr.

3306 Pop Culture Women

(Student Option; AH,DSJ)
20824 001 DIS, Completely Online; Samhar Khalfani ; 3 cr.

3307 Feminist Film Studies

(Student Option; AH,DSJ)
33506 001 DIS, 17:00-19:30 M, Ford Hall 151, In Person Term Based; Ali Yildirim ; 3 cr.

3501 Gay, Lesbian, Bisexual and Transgender Social Movements in the United States

(Student Option;)
21811 001 LEC, 13:00-14:15 MW, Ford Hall 110, In Person Term Based; Meets With: 001 GLBT 3301; Tankut Atuk ; 3 cr.

3681 Gender and the Family in the Islamic World

(A-F only; Prereq: At least soph; 1001 recommended)
33697 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 25, In Person Term Based; Meets With: 001 SOC 3681001 GLOS 3681001 RELS 3716; Cawo Abdi ; 3 cr.

3993 Directed Study

(Student Option; Prereq instr consent, dept consent, college consent.)
19696 001 IND, 00:00-00:00 , , In Person Term Based; 1-12 cr.
21318 002 IND, In Person Term Based; Kari Smalkoski ; 1-12 cr.

3994 Directed Research

(Student Option; Prereq instr consent, dept consent, college consent.)
19697 001 IND, 00:00-00:00 , , In Person Term Based; 1-12 cr.

4107 Feminist Methods

(A-F only;)
21236 001 DIS, 14:30-17:00 W, Ford Hall 170, In Person Term Based; Aren Aizura ; 3 cr.

4108 Senior Capstone: Writing

(A-F only;)
19910 001 DIS, 10:00-12:30 F, Twin Cities Remote, Completely Online; Miranda Joseph ; 3 cr.

4303W Writing Differences: Literature by U.S. Women of Color

(Student Option; DSJ,WI,LITR)
21842 001 DIS, 09:45-11:00 MW, ONLINE BLENDED, 09:45-11:00 MW, Peik Gymnasium G55, Partially Online; Meets With: 001 ENGL 3303W001 GWSS 3303W001 AAS 3303W; Jigna Desai ; 3 cr.

4415 Transnational Body Politics

(A-F only; GP)
33507 001 LEC, 16:00-17:15 MW, Ford Hall 127, In Person Term Based; Rachmi Diyah Larasati ; 3 cr.

4980 Directed Instruction

(Student Option;)
19758 001 IND, In Person Term Based; 1-8 cr.

4993 Directed Study

(Student Option; Prereq: Filled out student/faculty contract, instr consent, dept consent, college consent)
19748 001 IND, In Person Term Based; 1-5 cr.

4994 Directed Research

(Student Option;)
19759 001 IND, In Person Term Based; 1-8 cr.

5390 Topics: Visual, Cultural, and Literary Studies

(Student Option;)
34826 001 DIS, 11:15-13:45 Th, Twin Cities Remote, Completely Online; Meets With: 001 ENGL 5300; Ellen Messer-Davidow ; 3 cr.

5993 Directed Study

(Student Option;)
18445 001 IND, In Person Term Based; 1-12 cr.

5994 Directed Instruction

(Student Option;)
18446 001 IND, In Person Term Based; 1-12 cr.

5995 Directed Research

(Student Option;)
18447 001 IND, In Person Term Based; 1-8 cr.

General Dentistry (GEND)**5152 Advanced General Dentistry Seminar II**

(S-N or Audit;)
23535 001 LEC, 00:00-00:00 , , In Person Term Based; James Gambucci ; 5-10 cr.

5255 Advanced General Dentistry Clinic II

(S-N or Audit;)
23537 001 FWK, 00:00-00:00 , , In Person Term Based; James Gambucci ; 5-15 cr.

5262 Advanced General Dentistry Clinical Administration II

(S-N or Audit;)
23536 001 FWK, 00:00-00:00 , , In Person Term Based; James Gambucci ; 5-10 cr.

5265 Advanced General Dentistry Clinic V

(S-N or Audit;)
23538 001 FWK, 00:00-00:00 , , In Person Term Based; James Gambucci ; 1-15 cr.

Genetics, Cell Biol/Developmnt (GCD)**3022 Genetics**

(Student Option; Prereq: Introductory biology course such as Biol 1009)
15736 001 LEC, 14:30-15:45 TTh, Molecular Cellular Biol 3-120, In Person Term Based; York Marahrens ; 3 cr.
16020 002 LEC, 13:00-14:15 TTh, Molecular Cellular Biol 3-120, In Person Term Based; Naoko Shima ; 3 cr.

3033 Principles of Cell Biology

(A-F only; Prereq: BIOL 1009 or equiv)
15902 001 LEC, 09:45-11:00 TTh, Mayo Bldg & Additions C231, In Person Term Based; Naomi Courtemanche ; 3 cr.
33105 090 LEC, Completely Online; Sean Conner ; 3 cr.

3035 Culture, Identity & Precision Medicine (A-F or Audit;)

16164 001 LEC, 11:15-12:05 TTh, Amundson Hall 104, In Person Term Based; Ian MacFarlane ; 2 cr.

3485 Bioinformatic Analysis: Introduction to the Computational Characterization of Genes and Proteins

(A-F only; Prereq: introductory course in genetics and cell biology such as Foundations)
16156 001 LAB, 11:15-13:10 MW, Bruininks Hall 530A, In Person Term Based; David Matthes ; 4 cr.

4034 Molecular Genetics and Genomics

(Student Option; Prereq: BIOL 4003)
16100 001 LEC, 09:45-11:00 MW, Bruininks Hall 131A, In Person Term Based; Daniel Voytas, Xiao Dong ; 3 cr.

4151 Molecular Biology of Cancer

(A-F or Audit; Prereq: Biol 4003)
16101 001 LEC, 09:45-11:00 TTh, Molecular Cellular Biol 2-122, In Person Term Based; Tim Starr, Sean Conner ; 3 cr.

4161 Developmental Biology

(Student Option; Prereq: BIOL 4003; also recommended prerequisite: BIOL 4004 or GCD 4005W)
15835 001 LEC, 13:25-14:15 MWF, Molecular Cellular Biol 2-122, In Person Term Based; Ann Rougvie, Michael O'Connor ; 3 cr.

4693 Genomics Directed Studies - Literature Review

(S-N only; Prereq: department consent; instructor consent.)
33882 001 IND, In Person Term Based; David Matthes ; 2-4 cr.

4694 Genomics Directed Research

(S-N only; Prereq: department consent; instructor consent.)
33883 001 IND, In Person Term Based; 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)
15803 001 IND, 00:00-00:00 , , In Person Term Based; 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)
15804 001 IND, 00:00-00:00 , , In Person Term Based; 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.)
15751 001 IND, 00:00-00:00 , , In Person Term Based; 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.)
15750 001 IND, 00:00-00:00 , , In Person Term Based; 1-7 cr.

5005 Computer Programming for Biology

(Student Option; Prereq: BIOL 4003 or BIOL 4004 or GCD 3033 or CBS grad or BMBB or MCDB&G grad student, general statistics course)

16027 001 LEC, Completely Online; Melissa Gardner ; 3 cr.
16028 002 LAB, 15:35-17:30 Th, Bruininks Hall 512A, In Person Term Based; Melissa Gardner ; 3 cr.

5036 Molecular Cell Biology

(Student Option; Prereq: Biol 4004 or GCD 4005W or grad)

15737 001 DIS, 14:30-15:45 MW, Bruininks Hall 420B, In Person Term Based; Deanna Koepf ; 3 cr.

5914 Ethical and Legal Issues in Genetic Counseling

(A-F only;)

16188 001 LEC, 14:30-16:25 M, Bruininks Hall 119, In Person Term Based; Meets With: 001 GCD 8914; Rebecca Tryon ; 2 cr.

Geographic Information Science (GIS)

5530 GIS Internship

(S-N only; Prereq: instr consent, strong GIS/mapping skills)

19352 001 FWK, 00:00-00:00 , , Independent/Directed Study; Susanna McMaster ; 1-3 cr.

5571 ArcGIS I

(Student Option; Prereq: [GEOG 5561 or equiv, status in MGIS program, familiarity with computer operating systems] or instr consent)

18253 002 LAB, 19:45-21:45 W, Blegen Hall 455, In Person Term Based; 3 cr.
18691 001 LEC, 17:30-19:20 W, Blegen Hall 225, In Person Term Based; Bryan Runck ; 3 cr.

5573 Introduction to Digital Mapping:**ArcGIS Basics**

(A-F only; Prereq: [GEOG 5561 or equiv, in MGIS program] or instr consent)

18289 001 LEC, 17:30-19:30 W, Blegen Hall 455, In Person Term Based; Meets With: 001 GEOG 3573; Catherine Hansen ; 2 cr.

5574 Web GIS and Services

(Student Option; Prereq: [GEOG 5561 or equiv, in MGIS program] or instr consent)

19665 002 LEC, 17:00-19:30 T, Blegen Hall 455, In Person Term Based; Justin Hansen ; 3 cr.

5578 GIS Programming

(Student Option; Prereq: instr consent)

33509 001 LEC, 17:30-20:00 Th, Blegen Hall 455, In Person Term Based; Pete Wiringa ; 3 cr.

Geography (GEOG)

1301W Our Globalizing World

(Student Option; GP,WI,SOCS)

17927 001 LEC, 10:10-11:00 MW, Anderson Hall 230, In Person Term Based; Kate Derickson ; 3 cr.
17928 002 DIS, 11:15-12:05 W, Hubert H. Humphrey School 60, In Person Term Based; 3 cr.
20009 003 DIS, 10:10-11:00 F, Blegen Hall 225, In Person Term Based; 3 cr.
20107 004 DIS, 11:15-12:05 W, Blegen Hall 335, In Person Term Based; 3 cr.
20395 005 DIS, 10:10-11:00 F, Blegen Hall 205, In Person Term Based; 3 cr.

1372 Geography of Global Cities

(Student Option; GP,SOCS)

20390 001 LEC, 11:15-12:30 TTh, Blegen Hall 150, In Person Term Based; Ateeb Ahmed ; 3 cr.

1403 Biogeography of the Global Garden

(Student Option; BIOL,ENV)

18046 002 LAB, 09:45-11:00 Th, Social Sciences Building 167, In Person Term Based; 4 cr.
18047 003 LAB, 13:00-14:15 M, Social Sciences Building 167, In Person Term Based; 4 cr.
18048 004 LAB, 11:15-12:30 Th, Social Sciences Building 167, In Person Term Based; 4 cr.
18049 006 LAB, 11:15-12:30 T, Social Sciences Building 167, In Person Term Based; 4 cr.
18050 008 LAB, 14:30-15:45 T, Social Sciences Building 167, In Person Term Based; 4 cr.

18432 010 LAB, 13:00-14:15 W, Social Sciences Building 167, In Person Term Based; 4 cr.

18947 001 LEC, 11:15-12:30 MW, Willey Hall 175, In Person Term Based; Meets With: 001 GEOG 1403H; Daniel Griffin ; 4 cr.

19907 007 LAB, 13:00-14:15 T, Social Sciences Building 167, In Person Term Based; 4 cr.

21064 005 LAB, 09:45-11:00 T, Social Sciences Building 167, In Person Term Based; 4 cr.

21065 009 LAB, 09:45-11:00 W, Social Sciences Building 167, In Person Term Based; 4 cr.

1403H Honors: Biogeography of the Global Garden

(A-F only; Prereq: HonorsBIOL,ENV)

21724 001 LEC, 11:15-12:30 MW, Willey Hall 175, In Person Term Based; Meets With: 001 GEOG 1403; Daniel Griffin ; 4 cr.

21726 002 LAB, 14:30-16:10 M, Social Sciences Building 167, In Person Term Based; Daniel Griffin ; 4 cr.

1502 Mapping Our World

(Student Option; SOCS,TS)

19451 001 LEC, Completely Online; Steven Manson ; 3 cr.

1916 Social Justice and the Twin Cities

(A-F only;)

33232 001 DIS, 14:30-15:45 TTh, Hubert H. Humphrey School 30, In Person Term Based; Madelaine Cahuas ; 3 cr.

1973 Geography of the Twin Cities

(Student Option; SOCS)

17906 001 LEC, 09:45-11:00 TTh, Blegen Hall 120, In Person Term Based; Meets With: 001 GEOG 3973; William Lindeke ; 3 cr.

3145 The Islamic World

(Student Option; GP,SOCS)

33444 001 LEC, 13:00-14:15 TTh, Blegen Hall 140, In Person Term Based; Meets With: 001 RELS 3711; Abdi Samatar ; 3 cr.

3161 Europe: A Geographic Perspective

(Student Option; GP)

21108 001 LEC, 11:15-12:30 MW, Blegen Hall 145, In Person Term Based; Arun Saldanha ; 3 cr.

3371W Cities, Citizens, and Communities

(Student Option; DSJ,WI)

17907 001 LEC, 11:15-12:30 TTh, Hanson Hall 1-106, In Person Term Based; Madelaine Cahuas ; 3 cr.

3376 Political Ecology of North America

(Student Option; ENV)

20020 001 LEC, 09:45-11:00 MW, Blegen Hall 145, In Person Term Based; Bruce Braun ; 3 cr.

3379 Environment and Development in the Third World

(A-F or Audit; Prereq: Soph or jr or srENV,SOCS)

20634 001 LEC, 17:00-19:30 T, Blegen Hall 10, In Person Term Based; Abdi Samatar ; 3 cr.

3381W Population in an Interacting World

(Student Option; GP,WI,SOCS)

18766 001 LEC, 13:00-14:15 MW, Blegen Hall 255, In Person Term Based; John Kendall ; 3 cr.

3411W Geography of Health and Health Care

(Student Option; WI)

33451 001 LEC, 14:30-15:45 MW, Anderson Hall 350, In Person Term Based; Kathryn Grace ; 3 cr.

3511 Principles of Cartography

(Student Option; Prereq: 3 cr in geog or instr consent)

21134 001 LEC, 11:15-12:30 MW, Blegen Hall 415, In Person Term Based; Meets With: 001 GEOG 5511; Kate Carlson ; 4 cr.
21135 002 LAB, 13:00-14:55 M, Blegen Hall 455, In Person Term Based; Meets With: 002 GEOG 5511; 4 cr.
21136 003 LAB, 11:15-13:10 F, Blegen Hall 455, In Person Term Based; Meets With: 003 GEOG 5511; 4 cr.

3531 Numerical Spatial Analysis

(Student Option; Prereq: high-school algebra; Basic stats and linear algebra recommended)

18661 001 LEC, 13:00-14:15 MW, Blegen Hall 435, In Person Term Based; Meets With: 001 GEOG 5531; Di Zhu ; 4 cr.
31468 002 LAB, 14:30-16:25 W, Blegen Hall 455, In Person Term Based; Meets With: 002 GEOG 5531; 4 cr.

3561 Principles of Geographic Information Science

(Student Option; Prereq: Jr or sr)

18021 001 LEC, 13:00-14:15 TTh, Anderson Hall 230, In Person Term Based; Meets With: 001 GEOG 5561; Ganapathy Narayanaraj ; 4 cr.
18022 002 LAB, 14:30-16:25 T, Blegen Hall 455, In Person Term Based; Meets With: 002 GEOG 5561; 4 cr.
18023 003 LAB, 10:10-12:05 W, Blegen Hall 455, In Person Term Based; Meets With: 003 GEOG 5561; 4 cr.

3573 Introduction to Digital Mapping: ArcGIS Basis

(A-F only;)

20209 001 LEC, 17:30-19:30 W, Blegen Hall 455, In Person Term Based; Meets With: 001 GIS 5573; Catherine Hansen ; 2 cr.

3605 Geographic Perspectives on Planning

(Student Option;)

33478 001 LEC, 09:45-11:00 MW, Blegen Hall 115, In Person Term Based; William Lindeke ; 3 cr.

3900 Topics in Geography

(Student Option;)

34127 003 LEC, 10:10-12:40 F, Blegen Hall 435, In Person Term Based; Ganapathy Narayanaraj ; 3 cr.

3973 Geography of the Twin Cities

(Student Option; SOCS)

18433 001 LEC, 09:45-11:00 TTh, Blegen Hall 120, In Person Term Based; Meets With: 001 GEOG 1973; William Lindeke ; 3 cr.

3991 Geography Capstone

(S-N only;)

33481 001 DIS, In Person Term Based; Ivan Bialostosky ; 1 cr.

3992 Directed Reading

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

18336 001 IND, In Person Term Based; Ivan Bialostosky ; 1-8 cr.
18423 002 IND, In Person Term Based; Ivan Bialostosky ; 1-8 cr.
18892 005 IND, In Person Term Based; Ivan Bialostosky ; 1-8 cr.

3993 Directed Studies

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

18335 001 IND, 00:00-00:00 , , In Person Term Based; 1-8 cr.
18424 002 IND, 00:00-00:00 , , In Person Term Based; 1-8 cr.

3994 Directed Research

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

18337 001 IND, 00:00-00:00 , , In Person Term Based; 1-8 cr.
18425 002 IND, 00:00-00:00 , , In Person Term Based; 1-8 cr.

3996 Senior Project Directed Research

(A-F only; Prereq instr consent,dept consent,college consent.)

19845 001 IND, 00:00-00:00 , , In Person Term Based; Adam Bledsoe ; 3-4 cr.
20675 002 IND, In Person Term Based; Bruce Braun ; 3-4 cr.
20676 003 IND, In Person Term Based; Madelaine Cahuas ; 3-4 cr.
20677 004 IND, In Person Term Based; Kate Derickson ; 3-4 cr.
20678 005 IND, In Person Term Based; Vinay Gidwani ; 3-4 cr.
20679 006 IND, In Person Term Based; Kathryn Grace ; 3-4 cr.
20680 007 IND, In Person Term Based; Daniel Griffin ; 3-4 cr.
20681 008 IND, In Person Term Based; George Henderson ; 3-4 cr.
20682 009 IND, In Person Term Based; Kurt Kipfmuller ; 3-4 cr.
20683 010 IND, In Person Term Based; Katherine Klink ; 3-4 cr.
20684 011 IND, In Person Term Based; Steven Manson ; 3-4 cr.
20685 012 IND, In Person Term Based; Robert Mc Master ; 3-4 cr.
20686 013 IND, In Person Term Based; Arun Saldanha ; 3-4 cr.
20687 014 IND, In Person Term Based; Abdi Samatar ; 3-4 cr.

20688 015 IND, In Person Term Based; Eric Shook ; 3-4 cr.
20689 016 IND, In Person Term Based; Ying Song ; 3-4 cr.

3997 Senior Project

(A-F only; Prereq instr consent, dept consent, college consent.)

19846 001 IND, 00:00-00:00 , , In Person Term Based; Adam Bledsoe ; 2 cr.
20692 002 IND, In Person Term Based; Bruce Braun ; 2 cr.
20693 003 IND, In Person Term Based; Madelaine Cahuas ; 2 cr.
20694 004 IND, In Person Term Based; Kate Derickson ; 2 cr.
20695 005 IND, In Person Term Based; Vinay Gidwani ; 2 cr.
20696 006 IND, In Person Term Based; Kathryn Grace ; 2 cr.
20697 007 IND, In Person Term Based; Daniel Griffin ; 2 cr.
20698 008 IND, In Person Term Based; George Henderson ; 2 cr.
20699 009 IND, In Person Term Based; Kurt Kipfmuller ; 2 cr.
20700 010 IND, In Person Term Based; Katherine Klink ; 2 cr.
20701 011 IND, In Person Term Based; Steven Manson ; 2 cr.
20702 012 IND, In Person Term Based; Robert Mc Master ; 2 cr.
20703 013 IND, In Person Term Based; Arun Saldanha ; 2 cr.
20704 014 IND, In Person Term Based; Abdi Samatar ; 2 cr.
20705 015 IND, In Person Term Based; Eric Shook ; 2 cr.
20706 016 IND, In Person Term Based; Ying Song ; 2 cr.

4001 Modes of Geographic Inquiry

(Student Option;)

34269 002 LEC, 13:00-14:15 MW, Blegen Hall 110, In Person Term Based; Bruce Braun ; 3 cr.

5385 Globalization and Development:

Political Economy

(Student Option; Prereq: Sr or grad or instr consent)

33485 001 LEC, 12:30-15:00 W, Mondale Hall 5, In Person Term Based; Abdi Samatar ; 4 cr.

5511 Principles of Cartography

(Student Option;)

21137 001 LEC, 11:15-12:30 MW, Blegen Hall 415, In Person Term Based; Meets With: 001 GEOG 3511; Kate Carlson ; 4 cr.
21138 002 LAB, 13:00-14:55 M, Blegen Hall 455, In Person Term Based; Meets With: 002 GEOG 3511; 4 cr.
21139 003 LAB, 11:15-13:10 F, Blegen Hall 455, In Person Term Based; Meets With: 003 GEOG 3511; 4 cr.

5531 Numerical Spatial Analysis

(Student Option;)

19021 001 LEC, 13:00-14:15 MW, Blegen Hall 435, In Person Term Based; Meets With: 001 GEOG 3531; Di Zhu ; 4 cr.
19022 002 DIS, 14:30-16:25 W, Blegen Hall 455, In Person Term Based; Meets With: 002 GEOG 3531; 4 cr.

5543 Advanced Geocomputing

(Student Option;)

21515 001 LEC, 13:00-14:15 TTh, Blegen Hall 455, In Person Term Based; Eric Shook ; 3 cr.

5561 Principles of Geographic Information Science

(Student Option; Prereq: grad)

18191 001 LEC, 13:00-14:15 TTh, Anderson Hall 230, In Person Term Based; Meets With: 001 GEOG 3561; Ganapathy Narayananaraj ; 4 cr.
18192 002 LAB, 14:30-16:25 T, Blegen Hall 455, In Person Term Based; Meets With: 002 GEOG 3561; 4 cr.
18193 003 LAB, 10:10-12:05 W, Blegen Hall 455, In Person Term Based; Meets With: 003 GEOG 3561; 4 cr.

5900 Topics in Geography

(Student Option;)

33686 002 LEC, 09:45-11:00 TTh, Blegen Hall 230, In Person Term Based; Meets With: 002 GEOG 3900; Scott St. George ; 3 cr.

German (GER)

1001 Beginning German

(Student Option;)

18073 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 105, Partially Online; Meets With: 001 GER 4001; Emily Groepper ; 5 cr.
18074 002 DIS, 11:15-12:05 MTWTh, Folwell Hall 106, Partially Online; Meets With: 002 GER 4001; Helena Ruf ; 5 cr.
18075 003 DIS, 13:25-14:15 MTWTh, Folwell Hall 120, Partially Online; Meets With: 003 GER 4001; Jennifer Peterson ; 5 cr.

21004 004 DIS, 18:20-20:25 MW, Folwell Hall 122, In Person Term Based; Meets With: 004 GER 4001; Emily Groepper ; 5 cr.

1002 Beginning German

(Student Option; Prereq: 1001)

18109 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 104, Partially Online; Meets With: 001 GER 4002; Missy Drew ; 5 cr.
20562 002 DIS, 18:20-20:25 MW, Folwell Hall 106, In Person Term Based; Meets With: 002 GER 4002; Bjorn Treber ; 5 cr.

1003 Intermediate German

(Student Option; Prereq: 1002 or Entrance Proficiency Test)

18110 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 16, Partially Online; Meets With: 001 GER 4003; Ginny Steinhagen ; 5 cr.
18111 002 DIS, 11:15-12:05 MTWTh, Folwell Hall 16, Partially Online; Meets With: 002 GER 4003; Ari Hoptman ; 5 cr.
18112 003 DIS, 13:25-14:15 MTWTh, Folwell Hall 104, Partially Online; Meets With: 003 GER 4003; Arsenia laneva-Lockney ; 5 cr.
21006 004 DIS, 18:20-20:25 TTh, Folwell Hall 122, In Person Term Based; Meets With: 004 GER 4003; Olivia Branstetter ; 5 cr.

1004 Intermediate German

(Student Option; Prereq: 1003 or completion of Entrance Proficiency Test at 1004 level)

18113 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 10, Partially Online; Meets With: 001 GER 4004; Ari Hoptman ; 5 cr.
18114 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 10, Partially Online; Meets With: 002 GER 4004; Ginny Steinhagen ; 5 cr.
18115 003 DIS, 13:25-14:15 MTWTh, Folwell Hall 18, Partially Online; Meets With: 003 GER 4004; Rachel Dodson ; 5 cr.
18700 004 DIS, 18:20-20:25 TTh, Twin Cities Remote, Completely Online; Meets With: 004 GER 4004; Ari Hoptman ; 5 cr.

1022 Beginning German Review

(Student Option; Prereq: Placement above 1001)

18120 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 121, Partially Online; Jennifer Peterson ; 5 cr.
18502 002 DIS, 12:20-13:10 MTWTh, Folwell Hall 10, Partially Online; Jennifer Peterson ; 5 cr.

3011W Conversation and Composition

(Student Option; Prereq: 1004WI)

18129 002 DIS, 14:30-16:25 MW, Nicholson Hall 120, In Person Term Based; Helena Ruf ; 4 cr.
18130 001 DIS, 10:10-12:05 TTh, Nicholson Hall 115, In Person Term Based; Beth Kautz ; 4 cr.

3014 German Media

(Student Option; Prereq: 3011)

32457 001 DIS, 09:45-11:00 TTh, Folwell Hall 119, In Person Term Based; Thomas Gurke ; 3 cr.

3104W Reading and Analysis of German Literature

(Student Option; Prereq: 3011LITR,WI)

18422 001 DIS, 14:30-15:45 TTh, Folwell Hall 28, In Person Term Based; Vincent Kancans ; 3 cr.

3441 20th-/21st-Century Literature

(Student Option; Prereq: 3011)

32945 001 DIS, 13:00-14:15 TTh, Peik Hall 165, In Person Term Based; Jenneke Oosterhoff ; 3 cr.

3634 Women & Nonbinary German

Authors: Cultural History & Constructing Selves through Narrative & Media

(Student Option;)

32710 001 DIS, 14:30-15:45 MW, Folwell Hall 30, In Person Term Based; Jamele Watkins ; 3 cr.

3641 German Folklore

(Student Option; Prereq: No knowledge of German required; cr for major or minor by arrangement with instructorGP,LITR)

32458 001 LEC, 18:20-20:50 W, Nicholson Hall 35, In Person Term Based; Anatoly Liberman ; 3 cr.

3993 Directed Studies

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

18299 001 IND, 00:00-00:00 , , In Person Term Based; Henning Schroeder ; 1-4 cr.

4001 Beginning German for Graduate Research

(Student Option; Prereq: Grad student)

18991 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 105, Partially Online; Meets With: 001 GER 1001; Emily Groepper ; 5 cr.
18992 002 DIS, 11:15-12:05 MTWTh, Folwell Hall 106, Partially Online; Meets With: 002 GER 1001; Helena Ruf ; 5 cr.
18993 003 DIS, 13:25-14:15 MTWTh, Folwell Hall 120, Partially Online; Meets With: 003 GER 1001; Jennifer Peterson ; 5 cr.
21005 004 DIS, 18:20-20:25 MW, Folwell Hall 122, In Person Term Based; Meets With: 004 GER 1001; Emily Groepper ; 5 cr.

4002 Beginning German for Graduate Research

(Student Option; Prereq: Grad student)

18994 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 104, Partially Online; Meets With: 001 GER 1002; Missy Drew ; 5 cr.
20563 002 DIS, 18:20-20:25 MW, Folwell Hall 106, Partially Online; Meets With: 002 GER 1002; Bjorn Treber ; 5 cr.

4003 Intermediate German for Graduate Research

(Student Option; Prereq: Grad student)

18995 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 16, Partially Online; Meets With: 001 GER 1003; Ginny Steinhagen ; 5 cr.
19001 002 DIS, 11:15-12:05 MTWTh, Folwell Hall 16, Partially Online; Meets With: 002 GER 1003; Ari Hoptman ; 5 cr.
19002 003 DIS, 13:25-14:15 MTWTh, Folwell Hall 104, Partially Online; Meets With: 003 GER 1003; Arsenia laneva-Lockney ; 5 cr.
21007 004 DIS, 18:20-20:25 TTh, Folwell Hall 122, In Person Term Based; Meets With: 004 GER 1003; Olivia Branstetter ; 5 cr.

4004 Intermediate German for Graduate Research

(Student Option; Prereq: Grad student)

18996 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 10, Partially Online; Meets With: 001 GER 1004; Ari Hoptman ; 5 cr.
18997 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 10, Partially Online; Meets With: 002 GER 1004; Ginny Steinhagen ; 5 cr.
18998 003 DIS, 13:25-14:15 MTWTh, Folwell Hall 18, Partially Online; Meets With: 003 GER 1004; Rachel Dodson ; 5 cr.
18999 004 DIS, 18:20-20:25 TTh, Twin Cities Remote, Completely Online; Meets With: 004 GER 1004; Ari Hoptman ; 5 cr.

5011 Advanced Conversation and Composition

(Student Option; Prereq: 3012, [grad student or adv undergrad])

20749 001 DIS, 16:40-19:10 M, Folwell Hall 118, In Person Term Based; Arsenia laneva-Lockney ; 3 cr.

5610 German Literature in Translation

(Student Option; Prereq: No knowledge of German required; cr toward major or minor requires reading in German)

34320 001 DIS, 14:30-17:00 Th, Peik Hall 335, In Person Term Based; Thomas Gurke ; 3 cr.

5993 Directed Studies

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

18290 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

German, Scandinavian, and Dutch (GSD)

3511W Vikings, Knights, and Reformers: German and European Culture and Controversies to 1700

(Student Option; WI)

18505 001 LEC, 11:15-12:30 MW, Folwell Hall 12, In Person Term Based; Jamele Watkins ; 3 cr.

5103 Teaching of Germanic Languages

(Student Option;)
18188 001 DIS, 14:30-17:00 T, Folwell Hall 8, In Person
Term Based; Meets With: 001 FRIT 5999001 SPPT 5999;
Kate Paesani ; 3 cr.

Gerontology (GERO)**5105 Multidisciplinary Perspectives on**

Aging
(Student Option;)
33893 001 LEC, 14:30-16:25 M, Health Sciences Ed Ctr
2-101AB, In Person Term Based; Meets With: 001 PUBH
6883; Tetyana Shippee, Joseph Gaugler ; 2 cr.

5191 Independent Study: Gerontology

(Student Option No Audit; Prereq: Approval of [adviser,
DGS] for gerontology minor)
29675 001 IND, 00:00-00:00 , , Independent/Directed Study;
Joseph Gaugler ; 1-4 cr.

Global Studies (GLOS)**1916 Do the Right Thing: Ethics and You**

(A-F only;)
33443 001 LEC, 11:15-12:30 TTh, Blegen Hall 230, In
Person Term Based; Thomas Wolfe ; 3 cr.

3144 Knowledge, Power, and the Politics of Representation in Global Studies

(A-F only; Prereq: soph, jr, or sr)
18200 001 LEC, 10:10-11:00 MW, Blegen Hall 5, In Person
Term Based; Meets With: 001 GLOS 3144H; William
Viestenz ; 3 cr.
18723 002 DIS, 10:10-11:00 F, Blegen Hall 260, In Person
Term Based; Lisa Santosa ; 3 cr.
18725 004 DIS, 10:10-11:00 F, Blegen Hall 115, In Person
Term Based; 3 cr.
19322 005 DIS, 11:15-12:05 F, Blegen Hall 115, In Person
Term Based; 3 cr.

3144H Honors: Knowledge, Power, and the Politics of Representation in Global Studies

(A-F only; Prereq: Honors soph, jr, or sr)
18822 001 LEC, 10:10-11:00 MW, Blegen Hall 5, In Person
Term Based; Meets With: 001 GLOS 3144; William
Viestenz ; 3 cr.
18823 002 DIS, 10:10-11:00 F, Blegen Hall 415, In Person
Term Based; William Viestenz ; 3 cr.

3225 The Power of the 1%: Global Philanthropy and the Making of a New World

(Student Option;)
32630 001 LEC, 14:30-15:45 TTh, Blegen Hall 415, In
Person Term Based; Meets With: 001 SOC 3225; Anindita
Chatterjee ; 3 cr.

3401W International Human Rights Law

(A-F or Audit; GP,WI)
18771 001 LEC, 17:30-20:15 M, Twin Cities Remote,
Completely Online; Hassan Abdel Salam ; 3 cr.

3602 Other Worlds: Globalization and Culture

(A-F or Audit;)
21133 001 LEC, 11:15-12:30 TTh, Blegen Hall 115, In
Person Term Based; Stuart McLean ; 3 cr.

3681 Gender and the Family in the Islamic World

(A-F only; Prereq: At least soph; 1001 recommended)
33287 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey
School 25, In Person Term Based; Meets With: 001 RELS
3716001 GWSS 3681001 SOC 3681; Cawo Abdi ; 3 cr.

3900 Topics in Global Studies

(Student Option;)
33650 001 LEC, 13:00-14:15 TTh, Blegen Hall 125, In
Person Term Based; Danielle Dadrás ; 1-5 cr.

3981W Capstone Seminar

(A-F or Audit; Prereq: dept consentWI)
19504 001 LEC, 11:00-13:25 T, Blegen Hall 220, In Person
Term Based; Meets With: 001 GLOS 3985V; Ajay Skaria ;
3 cr.

3985V Honors Capstone Seminar

(A-F only; Prereq: dept consentWI)
19506 001 LEC, 11:00-13:25 T, Blegen Hall 220, In Person
Term Based; Meets With: 001 GLOS 3981W; Ajay Skaria ;
3 cr.

3993 Directed Study

(Student Option; Prereq instr consent, dept consent,
college consent.)
19505 001 IND, In Person Term Based; 1-5 cr.

4311 Power, Justice & the Environment

(A-F or Audit; Prereq: SOC 1001 recommendedDSJ)
21093 001 LEC, 11:15-12:30 TTh, Blegen Hall 250, In
Person Term Based; Meets With: 001 SOC 4311; Michael
Goldman ; 3 cr.

4344 Europe and its Margins

(A-F only; Prereq: One course in [ANTH or GLOS])
33629 001 LEC, In Person Term Based; Meets With: 001
ANTH 4344; 3 cr.

5900 Topics in Global Studies

(Student Option;)
34329 001 LEC, 09:05-11:05 W, Mondale Hall 5, In Person
Term Based; Meets With: 001 LAW 6879; Amanda Lyons
Bolivar ; 1-4 cr.

5993 Directed Studies

(Student Option;)
18365 001 IND, In Person Term Based; 1-4 cr.

5994 Directed Research

(Student Option; Prereq instr consent, dept consent,
college consent.)
34704 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.)
23710 001 LEC, 16:40-17:30 M, Bruininks Hall 530A,
Partially Online; Mary Jetter, Elena Stetsenko, Alyssa
Bonnac ; 2 cr.
23711 002 LEC, 13:25-14:15 M, Bruininks Hall 420A,
Partially Online; Mary Jetter, Alyssa Bonnac, Elena
Stetsenko ; 2 cr.
23717 003 LAB, 09:05-09:55 Th, Univ Ofc Plaza 124,
Primarily Online; Elena Stetsenko, Alyssa Bonnac ; 2 cr.
23718 004 LAB, 10:10-11:00 Th, Univ Ofc Plaza 124,
Primarily Online; Elena Stetsenko, Alyssa Bonnac, Mary
Jetter ; 2 cr.
23719 006 LAB, 10:10-11:00 F, Univ Ofc Plaza 124, Primarily
Online; Elena Stetsenko, Alyssa Bonnac, Mary Jetter ; 2 cr.
23720 008 LAB, 13:25-14:15 F, Univ Ofc Plaza 124, Primarily
Online; Elena Stetsenko, Mary Jetter, , Alyssa Bonnac ; 2
cr.
23721 005 LAB, 13:25-14:15 Th, Univ Ofc Plaza 124,
Primarily Online; Elena Stetsenko, Mary Jetter, Alyssa
Bonnac ; 2 cr.
23732 007 LAB, 11:15-12:05 F, Univ Ofc Plaza 124, Primarily
Online; Elena Stetsenko, Mary Jetter, Alyssa Bonnac ; 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.)
23712 001 LEC, 14:30-15:20 M, Bruininks Hall 512B,
Partially Online; Alyssa Bonnac, Elena Stetsenko, Mary
Jetter ; 1-2 cr.
23716 002 LEC, 16:40-17:30 M, Bruininks Hall 512A,
Partially Online; Alyssa Bonnac, Mary Jetter, Elena
Stetsenko ; 1-2 cr.
23723 003 LAB, 10:10-11:00 T, Univ Ofc Plaza 124, Primarily
Online; Alyssa Bonnac, Elena Stetsenko ; 1-2 cr.
23724 004 LAB, 13:25-14:15 T, Univ Ofc Plaza 124, Primarily
Online; Elena Stetsenko, Mary Jetter, Alyssa Bonnac ; 1-2
cr.
23725 005 LAB, 15:35-16:25 T, Univ Ofc Plaza 124, Primarily
Online; Elena Stetsenko, Alyssa Bonnac, Mary Jetter ; 1-2
cr.
23726 006 LAB, 10:10-11:00 W, Univ Ofc Plaza 124,
Primarily Online; Elena Stetsenko, Mary Jetter, Alyssa
Bonnac ; 1-2 cr.
23727 007 LAB, 11:15-12:05 W, Univ Ofc Plaza 124,
Primarily Online; Elena Stetsenko, Alyssa Bonnac, Mary
Jetter ; 1-2 cr.

23729 008 LAB, 15:35-16:25 W, Univ Ofc Plaza 124,
Primarily Online; Elena Stetsenko, Alyssa Bonnac ; 1-2 cr.

Grand Challenge Curriculum (GCC)**1903 Sustainable Development with Environmental Justice**

(A-F only; ENV)
33141 001 LEC, 09:45-11:00 MW, Bruininks Hall 420A, In
Person Term Based; Ashok Singh ; 3 cr.

1906 Rare Diseases: What it Takes to Be a Medical Orphan

(A-F only;)
33142 001 LEC, 09:45-11:00 WF, Bruininks Hall 512A, In
Person Term Based; Reena Kartha ; 3 cr.

1908 Ways of Knowing Science

(A-F only; DSJ)
33143 001 LEC, 15:00-17:15 Th, Green Hall 110, In Person
Term Based; Craig Hassel ; 3 cr.

1909 Introduction to Ecosystem Health: Challenges at the Intersection of Human, Animal, and Environmental

(A-F only; ENV)
33144 001 LEC, 16:00-18:30 W, Bruininks Hall 119, In
Person Term Based; Victoria Hall ; 3 cr.

3005 Innovation for Changemakers: Design for a Disrupted World

(A-F only; GP)
30182 001 LEC, 09:00-12:00 F, Walter Library B10, In
Person Term Based; Meets With: 001 GCC 5005; Andrea
Davila, Erik Halaas ; 3 cr.

3017 World Food Problems: Agronomics, Economics and Hunger

(A-F only; GP)
30183 001 LEC, 10:15-11:30 TTh, Ruttan Hall B35, In
Person Term Based; Meets With: 001 GCC 5017; Carlisle
Runge, Peter Morrell ; 3 cr.

3027 Power Systems Journey: Making the Invisible Visible and Actionable

(A-F only; TS)
30194 001 LEC, 15:00-17:30 W, Bruininks Hall 131A, In
Person Term Based; Meets With: 001 GCC 5027; Jonee
Brigham, Paul Imbertson ; 3 cr.

3041 Transition to a Sustainable World: Can Behavior Modification Help Facilitate Global Sustainability?

(A-F only; ENV)
30204 001 LEC, 09:45-11:00 TTh, Bruininks Hall 530B, In
Person Term Based; Meets With: 001 GCC 5041; Ashok
Singh, Iris Donga Vilares ; 3 cr.

5005 Innovation for Changemakers: Design for a Disrupted World

(A-F only; GP)
30166 001 LEC, 09:00-12:00 F, Walter Library B10, In
Person Term Based; Meets With: 001 GCC 3005; Andrea
Davila, Erik Halaas ; 3 cr.

5017 World Food Problems: Agronomics, Economics and Hunger

(A-F only; GP)
30180 001 LEC, 10:15-11:30 TTh, Ruttan Hall B35, In
Person Term Based; Meets With: 001 GCC 3017; Carlisle
Runge, Peter Morrell ; 3 cr.

5027 Power Systems Journey: Making the Invisible Visible and Actionable

(A-F only; TS)
30195 001 LEC, 15:00-17:30 W, Bruininks Hall 131A, In
Person Term Based; Meets With: 001 GCC 3027; Jonee
Brigham, Paul Imbertson ; 3 cr.

5041 Transition to a Sustainable World: Can Psychology Help Facilitate Global Sustainability?

(A-F only; ENV)
30205 001 LEC, 09:45-11:00 TTh, Bruininks Hall 530B, In
Person Term Based; Meets With: 001 GCC 3041; Ashok
Singh, Iris Donga Vilares ; 3 cr.

Graphic Design (GDES)**1311 Foundations: Drawing and Design in Two and Three Dimensions****(A-F or Audit;)**

15217 003 LAB, 15:00-18:00 MW, McNeal Hall 258, In Person Term Based; Kent Gay ; 4 cr.
 15486 004 LAB, 15:00-18:00 TTh, McNeal Hall 258, In Person Term Based; Lila Shull ; 4 cr.
 15580 001 LAB, 11:45-14:45 TTh, McNeal Hall 258, In Person Term Based; Kent Gay ; 4 cr.
 33183 002 LAB, 11:45-14:45 MW, Rapson Hall 9, In Person Term Based; Bradley Agee ; 4 cr.

1312 Foundations: Color and Design in Two and Three Dimensions**(A-F or Audit;)**

15173 001 LAB, 11:45-13:15 W, McNeal Hall 262, 11:45-13:15 W, ONLINE BLENDED, Partially Online; Alex Newby ; 4 cr.
 15211 002 LAB, 11:45-13:15 M, ONLINE BLENDED, 11:45-13:15 M, McNeal Hall 262, Partially Online; Alex Newby ; 4 cr.
 15489 003 LAB, 13:15-14:45 M, ONLINE BLENDED, 13:15-14:45 M, McNeal Hall 262, Partially Online; Alex Newby ; 4 cr.
 15490 004 LAB, 13:15-14:45 W, ONLINE BLENDED, 13:15-14:45 W, McNeal Hall 262, Partially Online; Alex Newby ; 4 cr.
 15636 005 LAB, 15:00-16:30 W, McNeal Hall 262, 15:00-16:30 W, ONLINE BLENDED, Partially Online; Alex Newby ; 4 cr.
 34515 007 LAB, 16:30-18:00 W, ONLINE BLENDED, 16:30-18:00 W, McNeal Hall 262, Partially Online; Alex Newby ; 4 cr.

1315 Foundations: The Graphic Studio**(A-F or Audit; Prereq: Graphic design premajor design minor or instr consent)**

15174 001 LAB, 08:30-11:30 MW, McNeal Hall 336, In Person Term Based; Steve Stenzel ; 4 cr.
 15488 002 LAB, 11:45-14:45 TTh, McNeal Hall 233, In Person Term Based; Carly Bosanko ; 4 cr.
 15546 003 LAB, 15:00-18:00 TTh, McNeal Hall 146, In Person Term Based; Daniel Jasper ; 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)**

15367 001 FWK, Independent/Directed Study; James Boyd Brent ; 1-4 cr.
 15368 002 FWK, Independent/Directed Study; Sauman Chu ; 1-4 cr.
 15369 003 FWK, Independent/Directed Study; Brad Hokanson ; 1-4 cr.
 15370 004 FWK, Independent/Directed Study; Daniel Jasper ; 1-4 cr.
 15373 007 FWK, Independent/Directed Study; Carol Waldron ; 1-4 cr.
 15463 008 FWK, Independent/Directed Study; Eugene Park ; 1-4 cr.

2342 Web Design**(A-F only;)**

15411 001 LAB, 11:45-13:40 MW, McNeal Hall 146, In Person Term Based; James O'Brien ; 3 cr.
 15412 002 LAB, 08:30-10:25 TTh, Ruttan Hall 135B, In Person Term Based; Jacklyn Even ; 3 cr.
 33213 003 LAB, 15:00-16:55 MW, McNeal Hall 233, In Person Term Based; James O'Brien ; 3 cr.

2345 Typography**(A-F only;)**

15175 001 LAB, 11:45-14:45 MW, McNeal Hall 475, In Person Term Based; Karl Engbretson ; 4 cr.
 15483 002 LAB, 11:45-14:45 TTh, McNeal Hall 475, In Person Term Based; Karl Engbretson ; 4 cr.
 33190 003 LAB, 08:30-11:30 MW, McNeal Hall 480, In Person Term Based; Viet Do ; 4 cr.

2361 Design Process: Photography**(A-F only;)**

15256 001 LAB, 11:45-13:40 TTh, McNeal Hall 336, In Person Term Based; Caroline Houdek Solomon ; 3 cr.
 33194 002 LAB, 15:00-16:55 TTh, McNeal Hall 262, In Person Term Based; Steve Stenzel ; 3 cr.

2399V Design and its Discontents: Design, Society, Economy, and Culture**(A-F only; WI)**

15511 001 LEC, 16:30-17:45 TTh, McNeal Hall 10, In Person Term Based; Meets With: 001 GDES 2399W; Sreekishen Nair ; 3 cr.

2399W Design and its Discontents: Design, Society, Economy, and Culture**(A-F only; WI)**

15410 001 LEC, 16:30-17:45 TTh, McNeal Hall 10, In Person Term Based; Meets With: 001 GDES 2399V; Sreekishen Nair ; 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)**

15522 001 LAB, 08:30-10:25 TTh, McNeal Hall 262, In Person Term Based; Meets With: 001 GDES 5311; James O'Brien ; 3 cr.
 15637 002 LAB, 08:30-10:25 TTh, McNeal Hall 258, In Person Term Based; Viet Do ; 3 cr.

3312 Color and Form in Surface Design**(A-F only;)**

15178 001 LAB, 08:30-11:30 MW, McNeal Hall B9, In Person Term Based; James Boyd Brent ; 4 cr.
 15638 002 LAB, 11:45-14:45 MW, McNeal Hall B9, In Person Term Based; James Boyd Brent ; 4 cr.

3351 Text and Image**(A-F or Audit; Prereq: [2345 or DHA 2345], graphic design major, pass portfolio review)**

15177 001 LAB, 11:45-13:40 TTh, McNeal Hall 250, In Person Term Based; Daniel Jasper ; 3 cr.
 33221 002 LAB, 08:30-10:25 MW, Lrng & Environmental Sci 220, In Person Term Based; Alan Schutte ; 3 cr.

3352 Identity and Symbols**(A-F only; Prereq: pass portfolio review, graphic design major)**

15547 001 LAB, 15:00-16:55 MW, McNeal Hall 316, In Person Term Based; Meets With: 001 GDES 3352H; Debra Lawton ; 3 cr.
 33225 002 LAB, 08:30-10:40 TTh, McNeal Hall 146, In Person Term Based; Debra Lawton ; 3 cr.

3352H Honors: Identity and Symbols**(A-F only;)**

15512 001 LAB, 15:00-16:55 MW, McNeal Hall 316, In Person Term Based; Meets With: 001 GDES 3352; Debra Lawton ; 3 cr.

3353 Packaging and Display**(A-F only;)**

15407 001 LAB, 11:45-13:40 TTh, McNeal Hall 262, In Person Term Based; Scott Thares ; 3 cr.
 15458 002 LAB, 11:45-13:40 TTh, Biological Sciences Ctr 64, In Person Term Based; Hannah Johnson ; 3 cr.

4131W History of Graphic Design**(A-F or Audit; WI)**

15196 001 LEC, 09:35-11:30 MW, McNeal Hall 33, In Person Term Based; Bill Moran ; 4 cr.

4160H Honors Capstone Project**(A-F only; Prereq: Graphic design honors)**

15387 001 LEC, In Person Term Based; James Boyd Brent ; 2 cr.
 15388 002 LEC, In Person Term Based; Sauman Chu ; 2 cr.
 15389 003 LEC, In Person Term Based; Brad Hokanson ; 2 cr.
 15390 004 LEC, In Person Term Based; Daniel Jasper ; 2 cr.
 15393 007 LEC, In Person Term Based; Carol Waldron ; 2 cr.

4193 Directed Study in Graphic Design**(Student Option No Audit; Prereq: Undergrad, instr consent)**

15374 001 IND, Independent/Directed Study; James Boyd Brent ; 1-4 cr.
 15375 002 IND, Independent/Directed Study; Sauman Chu ; 1-4 cr.
 15376 003 IND, Independent/Directed Study; Brad Hokanson ; 1-4 cr.
 15377 004 IND, Independent/Directed Study; Daniel Jasper ; 1-4 cr.
 15464 007 IND, Independent/Directed Study; Eugene Park ; 1-4 cr.
 15590 008 IND, Independent/Directed Study; Frances Trice ; 1-4 cr.
 15591 009 IND, Independent/Directed Study; Debra Lawton ; 1-4 cr.
 15592 010 IND, Independent/Directed Study; Karl Engbretson ; 1-4 cr.
 15596 011 IND, Independent/Directed Study; Sungduck Lee ; 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)**

15380 001 FWK, Independent/Directed Study; James Boyd Brent ; 1-3 cr.
 15381 002 FWK, Independent/Directed Study; Sauman Chu ; 1-3 cr.
 15382 003 FWK, Independent/Directed Study; Brad Hokanson ; 1-3 cr.
 15383 004 FWK, Independent/Directed Study; Daniel Jasper ; 1-3 cr.
 15384 005 FWK, Independent/Directed Study; Teresa (Terri) Moses ; 1-3 cr.
 15385 006 FWK, Independent/Directed Study; Cecilia Wang ; 1-3 cr.
 15465 007 FWK, Independent/Directed Study; Eugene Park ; 1-3 cr.
 15597 008 FWK, Independent/Directed Study; Carol Waldron ; 1-3 cr.
 15683 009 FWK, Independent/Directed Study; Frances Trice ; 1-3 cr.

4312 Advanced Graphic Design Print Projects**(A-F or Audit;)**

15584 001 LAB, 15:00-16:55 TTh, McNeal Hall B9, In Person Term Based; Luci Kandler ; 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)**

15160 001 LAB, 15:00-18:00 MW, McNeal Hall 336, In Person Term Based; Bill Moran ; 4 cr.
 33226 002 LAB, 08:30-11:30 TTh, McNeal Hall 480, In Person Term Based; Michael Arney ; 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 consentWI)**

15513 001 LAB, 15:00-16:15 TTh, McNeal Hall 316, In Person Term Based; Meets With: 001 GDES 4361W; Sungduck Lee ; 3 cr.

4361W Thesis Studio and Writing**(A-F only; Prereq: [Graphic design major, 2399W, 3352, 3353] or instr consentWI)**

15445 001 LAB, 15:00-16:15 TTh, McNeal Hall 316, In Person Term Based; Meets With: 001 GDES 4361V; Sungduck Lee ; 3 cr.
 15607 002 LAB, 15:00-16:15 TTh, McNeal Hall 310, In Person Term Based; Stephanie Heidorn ; 3 cr.

4362 Senior Thesis and Exhibition**(A-F only;)**

15446 001 LAB, 08:45-10:40 TTh, McNeal Hall 336, In Person Term Based; Meets With: 001 GDES 4362H; Karl Engbretson ; 3 cr.

4362H Senior Thesis and Exhibition**(A-F only;)**

15514 001 LAB, 08:45-10:40 TTh, McNeal Hall 336, In Person Term Based; Meets With: 001 GDES 4362; Karl Engbretson ; 3 cr.

4363 Graphic Design Portfolio**(S-N only;)**

15531 002 LAB, 11:45-13:40 TTh, McNeal Hall 144, In Person Term Based; Debra Lawton ; 3 cr.

5193 Directed Study in Graphic Design**(A-F or Audit; Prereq: Jr or sr or grad student)**

15327 001 IND, Independent/Directed Study; James Boyd Brent ; 1-4 cr.
 15328 002 IND, Independent/Directed Study; Sauman Chu ; 1-4 cr.
 15329 003 IND, Independent/Directed Study; Brad Hokanson ; 1-4 cr.
 15330 004 IND, Independent/Directed Study; Daniel Jasper ; 1-4 cr.
 15333 007 IND, Independent/Directed Study; Brad Hokanson ; 1-4 cr.
 15466 008 IND, Independent/Directed Study; Eugene Park ; 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)**

15527 001 LAB, 08:30-10:25 TTh, McNeal Hall 262, In Person Term Based; Meets With: 001 GDES 3311; James O'Brien ; 3 cr.

5341 Interaction Design

(A-F or Audit; Prereq: [[2334 or 2342], design minor] or graphic design major or grad student or instr consent)
15524 001 LAB, 11:45-13:40 MW, McNeal Hall 144, In Person Term Based; Eugene Park ; 3 cr.

Greek (GRK)**1001 Beginning Classical Greek I**

(Student Option;)
18770 001 LEC, 11:15-12:05 MTWThF, Bruininks Hall 123, In Person Term Based; Simone Oppen ; 5 cr.

3003 Intermediate Greek Prose

(Student Option; Prereq: Grade of at least C- or S in 1002 or 5001 or instr consent)
18155 001 LEC, 13:25-14:15 MTWTh, Ford Hall 155, In Person Term Based; Meets With: 001 GRK 5003; Simone Oppen ; 4 cr.

3993 Directed Studies

(Student Option; Prereq: instr consent)
19085 001 IND, 00:00-00:00 , , In Person Term Based; 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.)
19084 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

5003 Intermediate Greek Prose for Graduate Student Research

(Student Option; Prereq: Grade of at least [C- or S] in [1002 or 5001] or [instr consent, grad student])
19248 001 LEC, 13:25-14:15 MTWTh, Ford Hall 155, In Person Term Based; Meets With: 001 GRK 3003; Simone Oppen ; 4 cr.

5200 Advanced Readings in Greek Prose

(Student Option; Prereq: [GRK 3004 or equiv], at least two yrs of college level Greek. Contact the Classical & Near Eastern Religions & Cultures Department (CNRC) with any questions.)
34230 001 DIS, 09:45-11:00 MW, Folwell Hall 118, In Person Term Based; Charles McNamara ; 3 cr.

5993 Directed Studies

(Student Option; Prereq Grad student or instr consent.)
19086 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.
19194 002 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.
19781 003 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.
19782 004 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.
19783 005 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.
19784 006 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.
19785 007 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

5994 Directed Research

(Student Option; Prereq Grad student or instr consent.)
18123 001 IND, In Person Term Based; 1-12 cr.

5996 Directed Instruction

(Student Option; Prereq Grad student or instr consent.)
18122 001 IND, In Person Term Based; 1-12 cr.

Health Informatics (HINF)**5394 Directed Research**

(Student Option No Audit;)
15153 001 IND, In Person Term Based; Jessica Nielson ; 1-6 cr.

5430 Foundations of Health Informatics I

(Student Option; Prereq: Junior, senior, grad student, professional student, or instr consent)
15046 001 LEC, 16:00-17:15 Th, Moos Health Sci Tower 1-430, In Person Term Based; David Pieczkiewicz ; 3 cr.
15074 002 LEC, 00:00-00:00 , ONLINE, Completely Online; David Pieczkiewicz ; 3 cr.

5436 AHC Informatics Grand Rounds

(A-F or Audit;)
15148 001 LEC, 15:30-16:30 T, Moos Health Sci Tower 2-580, In Person Term Based; Aaron Sarver ; 1 cr.
15154 002 LEC, Completely Online; Aaron Sarver ; 1 cr.

5496 Internship in Health Informatics

(S-N or Audit; Prereq: HINF student or instr consent)
15051 001 FWK, 00:00-00:00 , Independent/Directed Study; David Pieczkiewicz ; 1-6 cr.
15158 002 FWK, Independent/Directed Study; 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)
15052 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)
15129 001 LEC, 00:00-00:00 , ONLINE, Completely Online; James Rosenthal ; 1 cr.

5510 Applied Health Care Databases: Database Principles and Data Evaluation

(A-F or Audit; Prereq: Junior or senior or grad student or professional student or instr consent)
15067 001 LEC, 15:35-16:25 MWF, Moos Health Sci Tower 2-116, In Person Term Based; David Pieczkiewicz ; 3 cr.
15076 002 LEC, 00:00-00:00 , ONLINE, Completely Online; David Pieczkiewicz ; 3 cr.

Health Services Management (HSM)**3040 Dying and Death in Contemporary Society: Implications for Intervention**

(Student Option; Prerequisite: sophomore)
30009 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.)
29979 301 LEC, Completely Online; Elizabeth Hruska, Nickolas Nyhus ; 2 cr.

3101 Applied Health Economics

(A-F only; Prerequisites: None, but successful completion of a course in introductory microeconomics is strongly recommended.)
33595 001 LEC, 16:30-19:15 T, Rapson Hall 45, In Person Term Based; Eric Christensen ; 3 cr.

3521 Health Care Delivery Systems

(A-F or Audit; Prereq: 30 cr)
29932 101 LEC, 18:00-20:45 T, Bruininks Hall 432, Partially Online; Frances Fernandez, Frederick Bw-Ombongi ; 3 cr.

4041 Leadership in Health Services Management

(A-F or Audit;)
30008 101 LEC, 11:15-14:10 Th, Bruininks Hall 530A, Partially Online; Yvonne Kinney ; 3 cr.

4043 Project and Program Management in Health Services Management

(A-F or Audit; Prerequisites: None)
29980 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)
29977 301 LEC, Completely Online; Scott Lee-Eichenwald ; 3 cr.

4301 Health Care Quality & Patient Safety Management

(A-F or Audit;)
29962 101 LEC, 15:35-18:20 Th, Bruininks Hall 432, Partially Online; Jennifer Schoenecker, Kelley Boyer, Mark Kuhl ; 3 cr.

4521 Inclusion and Equity in Health Care Management

(A-F or Audit; Prerequisites: None)
30040 301 LEC, Completely Online; Frances Fernandez ; 3 cr.

4531 Human Resources in Health Care Settings

(A-F or Audit; Prereq: 45 cr)
29963 101 LEC, 18:35-21:20 Th, Bruininks Hall 432, 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.)
30014 301 LEC, Completely Online; Steven Chies ; 3 cr.

4561W Health Care Administration and Management

(A-F or Audit; WI)
29933 001 LEC, 18:00-20:45 W, Rapson Hall 56, In Person Term Based; Bill Kenney ; 3 cr.

4573 Long Term Care Regulatory Management and Law

(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.)
30031 101 LEC, 13:25-16:10 M, Bruininks Hall 131A, 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.)
29982 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.)
30032 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.)
29987 301 LEC, Completely Online; Rajean Moore ; 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.)
29983 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.)
30042 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.)
34733 301 LEC, Completely Online; Rajean Moore ; 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.)
29988 301 LEC, Completely Online; Christina Cauble ; 2 cr.

4589 Long Term Care Human Resources Management

(A-F or Audit; Prerequisites: None, but knowledge of the long-term care field is very helpful. Students without this knowledge are encouraged to meet with the director of the LTC program prior to registering to discuss strategies for acquiring it.)
29986 301 LEC, Completely Online; Roger White ; 2 cr.

4591 Health Care Law and Ethics

(A-F or Audit;)
29943 301 LEC, Completely Online; Lashonda Ouk, Maverty 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.)
34764 301 LEC, Completely Online; Rajean Moore ; 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.)
30033 301 LEC, Completely Online; Christina Cauble ; 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.)
29945 101 LEC, 13:25-16:10 M, Bruininks Hall 432, Partially Online; 3 cr.

Hebrew (HEBR)**1001 Beginning Hebrew I**

(Student Option;)
18684 001 LEC, 11:15-12:05 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 HEBR 4001; Renana Schneller ; 5 cr.

3011 Intermediate Hebrew I

(Student Option; Prereq: Grade of at least [C- or S] in [1002 or 4002] or instr consent)
18350 001 LEC, 10:10-11:00 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 HEBR 4011; Renana Schneller ; 5 cr.

3951W Major Project

(Student Option; Prereq: [Hebr major, three 3xxx Hebrew courses], instr consent, dept consent(WI))
19149 001 IND, In Person Term Based; Renana Schneller ; 4 cr.

3993 Directed Studies

(Student Option; Prereq: instr consent)
19150 001 IND, 00:00-00:00 , , In Person Term Based; Renana Schneller ; 1-4 cr.
19928 002 IND, 00:00-00:00 , , In Person Term Based; Bernard Levinson ; 1-4 cr.

4001 Beginning Hebrew I for Graduate Student Research

(Student Option; Prereq: grad student)
18687 001 LEC, 11:15-12:05 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 HEBR 1001; Renana Schneller ; 5 cr.

4011 Intermediate Hebrew I

(Student Option; Prereq: Grade of at least [C- or S] in [1002 or 4002] or instr consent)
18970 001 LEC, 10:10-11:00 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 HEBR 3011; Renana Schneller ; 5 cr.

4104 Beginning Biblical Hebrew I for Graduate Student Research

(Student Option;)
33782 001 DIS, 11:15-12:05 MTWThF, Folwell Hall 119, In Person Term Based; Meets With: 001 HEBR 1101; Bernard Levinson ; 5 cr.

5090 Advanced Modern Hebrew

(Student Option;)
34174 001 DIS, 14:30-15:45 MW, Twin Cities Remote, Completely Online; Renana Schneller ; 3 cr.

5992 Directed Readings

(Student Option; Prereq instr consent, dept consent, college consent.)
18948 001 IND, 00:00-00:00 , , In Person Term Based; Renana Schneller ; 1-4 cr.
19409 002 IND, 00:00-00:00 , , In Person Term Based; Bernard Levinson ; 1-4 cr.
19413 003 IND, In Person Term Based; Patricia Ahearne-Kroll ; 1-4 cr.

Hindi (HNDI)**1011 Beginning Hindi I**

(Student Option No Audit;)
20788 001 LEC, 11:15-12:05 MTWThF, Folwell Hall 118, In Person Term Based; Meets With: 001 HNDI 4001; Suvadip Sinha ; 5 cr.

3021 Intermediate Hindi I

(Student Option No Audit;)
20790 001 LEC, 10:10-11:00 MTWThF, Peik Hall 165, In Person Term Based; Meets With: 001 HNDI 4003; Suvadip Sinha ; 5 cr.

3031 Advanced Hindi I

(Student Option No Audit; Prereq: 3022 or instr consent)
20359 001 LEC, 14:30-16:25 MW, Folwell Hall 118, In Person Term Based; Meets With: 001 HNDI 4005; Suvadip Sinha ; 4 cr.

4001 Beginning Hindi I for Graduate Student Research

(Student Option No Audit;)
20789 001 LEC, 11:15-12:05 MTWThF, Folwell Hall 118, In Person Term Based; Meets With: 001 HNDI 1011; Suvadip Sinha ; 5 cr.

4003 Intermediate Hindi I for Graduate Student Research

(Student Option No Audit;)
20791 001 LEC, 10:10-11:00 MTWThF, Peik Hall 165, In Person Term Based; Meets With: 001 HNDI 3021; Suvadip Sinha ; 5 cr.

4005 Advanced Hindi I for Graduate Research

(Student Option No Audit; Prereq: 4004 or instr consent)
20792 001 LEC, 14:30-16:25 MW, Folwell Hall 118, In Person Term Based; Meets With: 001 HNDI 3031; Suvadip Sinha ; 4 cr.

Hindi-Urdu (HNUR)**History (HIST)****1011W Civilization and the Environment: World History to 1500**

(Student Option; Prereq: Fr or soph or non-hist major[ENV,WI,HIS])
21611 001 LEC, 09:45-11:00 TTh, West Bank Skyway 20, In Person Term Based; Andrew Gallia ; 4 cr.
21612 002 DIS, 10:10-11:00 F, Blegen Hall 335, In Person Term Based; 4 cr.
21613 003 DIS, 10:10-11:00 F, Blegen Hall 330, In Person Term Based; 4 cr.
21614 004 DIS, 11:15-12:05 F, Hubert H. Humphrey School 30, In Person Term Based; 4 cr.

21615 005 DIS, 11:15-12:05 F, Hubert H. Humphrey School 20, In Person Term Based; 4 cr.
33166 006 DIS, 10:10-11:00 F, Hubert H. Humphrey School 30, In Person Term Based; 4 cr.
33167 007 DIS, 11:15-12:05 F, Hubert H. Humphrey School 50A, In Person Term Based; 4 cr.

1032W Europe and the World: Expansion, Encounter, and Exchange from 1500 to Present

(Student Option; Prereq: Fr or soph or non-hist major[GP,WI,HIS])
33266 001 LEC, 09:45-11:00 TTh, Blegen Hall 10, In Person Term Based; Anna Clark ; 4 cr.
33267 002 DIS, 09:05-09:55 F, Hubert H. Humphrey School 50A, In Person Term Based; 4 cr.
33268 003 DIS, 10:10-11:00 F, Hubert H. Humphrey School 20, In Person Term Based; 4 cr.

1081W Martyrs, Monks, Crusaders: World Christianity, 100-1400

(Student Option; GP,WI,HIS)
33454 001 LEC, 11:15-12:30 MW, Blegen Hall 150, In Person Term Based; Meets With: 001 MEST 1081W001 HIST 3081W001 MEST 3081W001 RELS 1544W001 RELS 3544W; Andrea Sterk ; 4 cr.
33455 002 DIS, 09:05-09:55 F, Blegen Hall 115, In Person Term Based; Meets With: 002 MEST 3081W002 RELS 1544W002 RELS 3544W002 MEST 1081W002 HIST 3081W; 4 cr.
33456 003 DIS, 09:05-09:55 F, Blegen Hall 205, In Person Term Based; Meets With: 003 MEST 3081W003 RELS 1544W003 MEST 1081W003 RELS 3544W003 HIST 3081W; 4 cr.
33457 004 DIS, 10:10-11:00 F, Blegen Hall 120, In Person Term Based; Meets With: 004 RELS 3544W004 MEST 3081W004 MEST 1081W004 HIST 3081W004 RELS 1544W; 4 cr.
33458 005 DIS, 12:20-13:10 F, Blegen Hall 115, In Person Term Based; Meets With: 005 MEST 3081W005 RELS 1544W005 HIST 3081W005 RELS 3544W005 MEST 1081W; 4 cr.

1082 Jesus in History, Art & Culture

(Student Option; HIS)
34845 001 DIS, 10:10-11:00 MWF, Scott Hall 4, In Person Term Based; Meets With: 001 CNRC 1082001 CNRC 3092001 RELS 3092001 RELS 1082001 HIST 3092; Stephen Ahearne-Kroll ; 3 cr.

1301W Authority and Rebellion: American History to 1865

(Student Option; Prereq: Fr or soph or non-hist major[DSJ,WI,HIS])
18665 001 LEC, 09:45-11:00 MW, Anderson Hall 210, In Person Term Based; Katharine Gerbner, Aaron Hall ; 4 cr.
18667 007 DIS, 10:10-11:00 F, Hubert H. Humphrey School 50B, In Person Term Based; 4 cr.
18668 009 DIS, 10:10-11:00 F, Hubert H. Humphrey School 60, In Person Term Based; 4 cr.
18669 010 DIS, 10:10-11:00 F, Hubert H. Humphrey School 50A, In Person Term Based; 4 cr.
18670 011 DIS, 10:10-11:00 F, Hubert H. Humphrey School 184, In Person Term Based; 4 cr.
18984 003 DIS, 09:05-09:55 F, Hubert H. Humphrey School 184, In Person Term Based; 4 cr.
19698 004 DIS, 09:05-09:55 F, Hubert H. Humphrey School 60, In Person Term Based; 4 cr.
21972 005 DIS, 09:05-09:55 F, Hubert H. Humphrey School 30, In Person Term Based; 4 cr.
21979 002 DIS, 09:05-09:55 F, Hubert H. Humphrey School 25, In Person Term Based; 4 cr.

1534 Introduction to Jewish History and Cultures

(Student Option; HIS)
20858 001 DIS, 13:00-14:15 TTh, Anderson Hall 370, In Person Term Based; Meets With: 001 HIST 3534001 RELS 1034001 RELS 3034001 JWST 3034001 JWST 1034; Natan Paradise ; 3 cr.

1809 The Presidency: Power, Politics, and Policy in the United States

(Student Option; CIV,HIS)
33269 001 LEC, 16:00-17:15 MW, Blegen Hall 150, In Person Term Based; Jayne Kinney, Joshua Althoff ; 3 cr.

1923 Politics of Hunger: Food, Aid, and Globalization after WWII

(A-F only;)
33215 001 DIS, 11:15-13:45 F, Hubert H. Humphrey School 60, In Person Term Based; Hiromi Mizuno ; 3 cr.

1927 Radical Ecology in the Early United States

(A-F only;)
33217 001 LEC, 11:15-12:30 TTh, Blegen Hall 110, In Person Term Based; Kirsten Fischer ; 3 cr.

1928 The Bright Ages: Reimagining the Middle Ages

(A-F only;)
33218 001 LEC, 09:45-11:00 MW, Hubert H. Humphrey School 50A, In Person Term Based; David Perry ; 3 cr.

3001 Public History

(A-F or Audit; Prereq: instr consent)
21164 090 LEC, 17:00-19:30 W, Blegen Hall 240, In Person Term Based; Meets With: 001 AMST 3003001 AMIN 3001; Andre Kobayashi Deckrow, Tracey Deutsch ; 3 cr.

3020 Hands-On History Topics: Methods and Practices

(A-F only;)
34047 001 LEC, 13:00-14:15 MW, Hubert H. Humphrey School 50A, In Person Term Based; Anna Clark ; 3 cr.
34048 002 LEC, 14:30-17:00 Th, Blegen Hall 205, In Person Term Based; Kirsten Fischer ; 3 cr.

3021 Hands-On History: Global Apartheid

(A-F only;)
33966 001 DIS, 16:00-17:15 TTh, Blegen Hall 225, In Person Term Based; Helena Pohlandt-McCormick ; 3 cr.

3066 Prehistoric Pathways to World Civilization

(Student Option; HIS)
21983 001 LEC, 09:45-11:00 TTh, Anderson Hall 330, In Person Term Based; Meets With: 001 ANTH 8009001 ANTH 3009; Peter Wells ; 3 cr.

3081W Martyrs, Monks, Crusaders: World Christianity, 100-1400

(Student Option; GP,WI,HIS)
33460 001 LEC, 11:15-12:30 MW, Blegen Hall 150, In Person Term Based; Meets With: 001 HIST 1081W001 RELS 3544W001 MEST 3081W001 MEST 1081W001 RELS 1544W; Andrea Sterk ; 4 cr.

33461 002 DIS, 09:05-09:55 F, Blegen Hall 115, In Person Term Based; Meets With: 002 MEST 3081W002 RELS 1544W002 MEST 1081W002 RELS 3544W002 HIST 1081W; 4 cr.

33462 003 DIS, 09:05-09:55 F, Blegen Hall 205, In Person Term Based; Meets With: 003 RELS 1544W003 MEST 3081W003 MEST 1081W003 HIST 1081W003 RELS 3544W; 4 cr.

33463 004 DIS, 10:10-11:00 F, Blegen Hall 120, In Person Term Based; Meets With: 004 HIST 1081W004 RELS 1544W004 MEST 1081W004 MEST 3081W004 RELS 3544W; 4 cr.

33464 005 DIS, 12:20-13:10 F, Blegen Hall 115, In Person Term Based; Meets With: 005 RELS 1544W005 HIST 1081W005 MEST 3081W005 RELS 3544W005 MEST 1081W; 4 cr.

3092 Jesus in History, Art & Culture

(Student Option; HIS)
34847 001 DIS, 10:10-11:00 MWF, Scott Hall 4, In Person Term Based; Meets With: 001 RELS 1082001 HIST 1082001 CNRC 3092001 CNRC 1082001 RELS 3092; Stephen Ahearne-Kroll ; 3 cr.

3244 History of Eastern Europe

(Student Option; GP,HIS)
21154 001 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Igor Tchoukarine ; 3 cr.

3264 Imperial Russia: Formation and Expansion of the Russian Empire in the 18th and 19th Centuries

(Student Option;)
19904 001 LEC, 10:10-11:00 MWF, Blegen Hall 110, In Person Term Based; Meets With: 001 HIST 5264; Theofanis Stavrou ; 3 cr.

3271 The Viking World: Story, History, and Archaeology

(Student Option;)
34378 001 LEC, 14:30-15:45 MW, Folwell Hall 12, In Person Term Based; Meets With: 001 MEST 3271; Lena Norrman ; 3 cr.

3283 Marx, Capital, and History: An Introduction to Marxist Theory and History

(Student Option;)
33255 090 LEC, 18:20-20:50 M, Blegen Hall 125, In Person Term Based; Christopher Isett ; 3 cr.

3284W History through Memoir

(A-F only; HIS,WI)
33484 001 LEC, 14:30-17:00 T, Blegen Hall 125, In Person Term Based; Kirsten Fischer ; 3 cr.

3285 Magic and Medicine

(Student Option;)
33809 001 LEC, 08:15-09:30 TTh, Blegen Hall 130, In Person Term Based; Meets With: 001 RELS 3625; Tanner Deeds ; 3 cr.

3401W Early Latin America to 1825

(A-F or Audit; GP,WI,HIS)
21191 001 LEC, 09:05-10:45 MW, Blegen Hall 240, In Person Term Based; Meets With: 001 LAS 3401W; Ana Joanna Vergara Sierra ; 4 cr.

3412 Soccer: Around the World with the Beautiful Game

(Student Option; CIV,HIS)
20422 001 LEC, 11:15-12:30 MW, Bruininks Hall 432, In Person Term Based; Michael Lower ; 3 cr.

3419 History of Capitalism: Uneven Development Since 1500

(Student Option;)
33257 090 LEC, 18:20-20:50 T, Blegen Hall 140, In Person Term Based; Christopher Isett ; 3 cr.

3425 History of Modern Mexico

(Student Option;)
33258 001 LEC, 13:00-14:15 MW, Blegen Hall 220, In Person Term Based; Patrick McNamara ; 3 cr.

3426 Piracy in the Mediterranean: The World of Merchants and Pirates

(Student Option No Audit; GP,HIS)
21623 001 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Meets With: 001 MEST 3426; Kathryn Reyerson ; 3 cr.

3433 Images of Africa

(Student Option; GP,HIS)
33259 001 LEC, 09:45-11:00 TTh, Blegen Hall 125, In Person Term Based; Helena Pohlandt-McCormick ; 3 cr.

3435 History of South Africa from 1910: Anti-Racism, Youth Politics, Pandemics & Gender (Based Violence)

(Student Option; GP,HIS)
33260 001 LEC, 13:00-14:15 TTh, Blegen Hall 110, In Person Term Based; Meets With: 001 AFRO 3205; Helena Pohlandt-McCormick ; 3 cr.

3436 Fighting for History: Historical Roots of Contemporary Crises in Africa

(Student Option;)
21648 001 LEC, 14:30-17:00 T, Anderson Hall 250, In Person Term Based; Meets With: 001 AFRO 3436; Allen Isaacman ; 3 cr.

3462 From Subjects to Citizens: The History of East Asia From 1500 to the Present

(Student Option; GP,HIS)
33261 090 DIS, 18:20-20:50 W, Blegen Hall 125, In Person Term Based; Meets With: 001 EAS 3462; Hao-Wen Cheng ; 3-4 cr.

3471 Modern Japan, Meiji to the Present (1868-2000)

(Student Option; HIS)
33270 001 LEC, 13:00-14:15 MW, Blegen Hall 145, In Person Term Based; Meets With: 001 EAS 3471001 AMES 3478; Hiromi Mizuno ; 3 cr.

3485 History of Southeast Asia

(A-F or Audit; GP)
21649 001 LEC, 18:20-20:50 T, Twin Cities Remote, Completely Online; Alexander Hopp ; 3 cr.

3493 Islam: Religion and Culture

(Student Option; Prereq: Soph or jr or sr)
34043 001 LEC, 17:00-19:30 T, Blegen Hall 220, In Person Term Based; Meets With: 001 RELS 3712; Nabil Matar ; 3 cr.

3505 Survey of the Modern Middle East (Student Option; GP)

21650 001 LEC, 16:00-17:15 TTh, Twin Cities Remote, Completely Online; Carol Hakim ; 3 cr.

3507 History of Modern Egypt

(A-F only;)
33699 001 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Carol Hakim ; 3 cr.

3512 History of Modern Israel/Palestine: Society, Culture, and Politics

(Student Option; GP)
33702 001 LEC, 14:30-15:45 TTh, Blegen Hall 150, In Person Term Based; Meets With: 001 RELS 3113001 JWST 3512; Noam Sienna ; 3 cr.

3514W Water and Oil: An Environmental History of the Middle East

(Student Option; ENV,WI,HIS)
33271 001 LEC, 11:15-12:30 TTh, Blegen Hall 140, In Person Term Based; Zozan Pehlivan ; 3 cr.

3534 Introduction to Jewish History and Cultures

(Student Option; HIS)
20859 001 DIS, 13:00-14:15 TTh, Anderson Hall 370, In Person Term Based; Meets With: 001 JWST 3034001 JWST 1034001 RELS 3034001 HIST 1534001 RELS 1034; Natan Paradise ; 3 cr.

3606 Christians, Muslims, and Jews in the Middle Ages

(Student Option; GP,HIS)
21652 001 LEC, 13:00-14:15 MW, Blegen Hall 150, In Person Term Based; Meets With: 001 JWST 3606001 RELS 3717001 MEST 3606; Michael Lower ; 3 cr.

3637 Modern Russia: From Peter the Great to the Present

(Student Option;)
18495 090 LEC, 18:20-20:50 M, Blegen Hall 145, In Person Term Based; Theofanis Stavrou ; 3 cr.

3704W Daily Life in Europe: 1300-1800

(Student Option; GP,WI,HIS)
33276 001 LEC, 14:30-15:45 TTh, Blegen Hall 250, In Person Term Based; Howard Louthan ; 3 cr.

3708 The Age of Curiosity: Art, Science & Technology in Europe, 1400-1800

(Student Option; AH,TS)
21054 001 LEC, 11:15-12:05 MW, West Bank Skyway 20, In Person Term Based; Meets With: 001 ARTH 3315; JB Shank ; 3 cr.

33810 002 DIS, 10:10-11:00 F, Blegen Hall 220, In Person Term Based; Meets With: 002 ARTH 3315; 3 cr.
33811 003 DIS, 11:15-12:05 F, Blegen Hall 220, In Person Term Based; Meets With: 003 ARTH 3315; 3 cr.

3721 Studies in 20th-Century Europe From the Turn of the Century to the End of World War II: 1900-45

(Student Option;)
21653 001 LEC, 14:30-15:45 TTh, Blegen Hall 110, In Person Term Based; Thomas Wolfe ; 3 cr.

3812 The Civil War and Reconstruction

(Student Option;)
33814 001 LEC, 08:15-09:30 MW, Blegen Hall 230, In Person Term Based; J. David Hacker ; 3 cr.

3835 Law in American Life: 1865 to Present

(Student Option;)
34007 001 LEC, 09:45-11:00 TTh, Mondale Hall 3, In Person Term Based; Susanna Blumenthal ; 3 cr.

3852 Work and Workers in the United States

(Student Option; DSJ,HIS)
33278 001 LEC, 09:45-11:00 MW, Blegen Hall 125, In Person Term Based; William Jones ; 3 cr.

3854 Race and Sport

(A-F only; DSJ,HIS)
33279 001 LEC, 13:00-14:15 MW, Blegen Hall 425, In Person Term Based; Saje Mathieu ; 3 cr.

3865 African American History, 1865 to Present

(A-F or Audit;)

33280 001 DIS, 11:15-12:30 MW, Walter W Heller Hall 1210, In Person Term Based; Meets With: 001 AFRO 3865; Saje Mathieu, Yalile Surlil ; 3 cr.

3872 American Indian History: 1830 to the Present

(Student Option; DSJ,HIS)

33281 090 LEC, 16:00-18:30 T, Blegen Hall 130, In Person Term Based; Meets With: 001 AMIN 3872; Jean O'Brien ; 3 cr.

3886 The Age of Atlantic Revolutions, 1765-1830

(Student Option;)

21526 301 LEC, Completely Online; Heather Sommer Collins ; 3 cr.

3993 Directed Study

(A-F or Audit; Prereq instr consent, dept consent, college consent.)

18414 001 IND, 00:00-00:00 , , In Person Term Based; 1-16 cr.

3994 Directed Research

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

18415 001 IND, 00:00-00:00 , , In Person Term Based; 1-16 cr.

4011V Honors: Capstone Research

(A-F only; Prereq: Jr or sr history major, honors, or instr consentWI)

33967 001 LEC, 13:00-14:40 MW, Blegen Hall 135, In Person Term Based; Meets With: 001 HIST 4011W; William Jones ; 4 cr.

33968 002 LEC, 13:00-14:40 TTh, Twin Cities Remote, Completely Online; Meets With: 002 HIST 4011W; Kathryn Reyerson ; 4 cr.

4011W Capstone Research

(A-F only; Prereq: Jr or Sr history major or instr consentWI)

33293 001 LEC, 13:00-14:40 MW, Blegen Hall 135, In Person Term Based; Meets With: 001 HIST 4011V; William Jones ; 4 cr.

33294 002 LEC, 13:00-14:40 TTh, Twin Cities Remote, Completely Online; Meets With: 002 HIST 4011V; Kathryn Reyerson ; 4 cr.

4961V Honors: Major Paper

(A-F only; Prereq: dept consent, instr consent; sign up in Undergraduate Studies Office two sem in advanceWI)

19462 001 LEC, 16:00-17:40 TTh, Blegen Hall 425, In Person Term Based; Meets With: 001 HIST 4961W; Sarah Chambers ; 4 cr.

4961W Major Paper

(A-F or Audit; Prereq: dept consent, instr consent; sign up in Undergraduate Studies Office two sem in advanceWI)

20347 001 LEC, 16:00-17:40 TTh, Blegen Hall 425, In Person Term Based; Meets With: 001 HIST 4961V; Sarah Chambers ; 4 cr.

4970 History Day Mentorship

(Student Option;)

19278 001 FWK, 15:05-17:00 W, Blegen Hall 317, Independent/Directed Study; Andre Kobayashi Deckrow ; 1 cr.

5264 Imperial Russia: Formation and Expansion of the Russian Empire in the 18th and 19th Centuries

(Student Option;)

19704 001 LEC, 10:10-11:00 MWF, Blegen Hall 110, In Person Term Based; Meets With: 001 HIST 3264; Theofanis Stavrou ; 3 cr.

5831 Cultural Fallout: The Cold War and Its Legacy: Readings

(A-F or Audit;)

33988 001 LEC, 12:00-14:30 W, Walter W Heller Hall 1229, In Person Term Based; Meets With: 001 AMST 8231; Elaine May ; 3 cr.

5891 American Indian and Indigenous Studies Workshop

(S-N or Audit;)

21242 001 DIS, 15:15-17:30 F, Walter W Heller Hall 1210, In Person Term Based; Jean O'Brien ; 1.5 cr.

5993 Directed Study

(Student Option; Prereq [Grad student or sr], instr consent, dept consent, college consent.)

18989 001 IND, 00:00-00:00 , , In Person Term Based; 1-16 cr.

5994 Directed Research

(Student Option; Prereq [Grad student or sr], instr consent, dept consent, college consent.)

18416 001 IND, 00:00-00:00 , , In Person Term Based; 1-16 cr.

History of Medicine (HMED)

3001W Health, Disease, and Healing I

(Student Option; HIS,WI)

27420 001 LEC, 10:10-11:00 MWF, Mayo Bldg & Additions 3-100, In Person Term Based; Jole Shackelford ; 4 cr.

27421 002 DIS, 11:15-12:05 W, Amundson Hall 116, In Person Term Based; Jole Shackelford ; 4 cr.

27422 003 DIS, 13:25-14:15 W, Ford Hall 170, In Person Term Based; Jole Shackelford ; 4 cr.

27643 004 DIS, 10:10-11:00 Th, Ford Hall 170, In Person Term Based; Jole Shackelford ; 4 cr.

3075 Technology and Medicine in Modern America

(Student Option; HIS,TS)

27951 001 LEC, 11:15-12:05 MW, Bruininks Hall 412, In Person Term Based; Christopher Kindell ; 3 cr.

27965 002 DIS, 11:15-12:05 Th, Bruininks Hall 432, In Person Term Based; 3 cr.

27966 003 DIS, 12:20-13:10 Th, Folwell Hall 4, In Person Term Based; 3 cr.

27967 004 DIS, 11:15-12:05 F, Amundson Hall 162, In Person Term Based; 3 cr.

28201 005 DIS, 11:15-12:05 F, Amundson Hall 158, In Person Term Based; 3 cr.

3993 Directed Study

(Student Option;)

28537 001 IND, In Person Term Based; Jennifer Gunn, Jole Shackelford ; 1-4 cr.

History of Science and Tech (HSCI)

1585 Mammoths, Minerals, Monoculture: History of Earth and Environmental Science

(Student Option; HIS)

26623 001 LEC, 11:15-12:05 MWF, Tate Hall 120, In Person Term Based; Anna Graber ; 3 cr.

1714 Stone Tools to Steam Engines: Technology and History to 1750

(Student Option; HIS,TS)

25785 001 LEC, 13:25-14:15 MWF, Anderson Hall 270, In Person Term Based; Meets With: 001 HSCI 3714; Lindsay Bell ; 3-4 cr.

26469 002 DIS, 13:25-14:15 T, Ford Hall 170, In Person Term Based; Meets With: 002 HSCI 3714; Lindsay Bell ; 3-4 cr.

33906 003 DIS, 10:10-11:00 W, Bruininks Hall 119, In Person Term Based; Meets With: 003 HSCI 3714; Lindsay Bell ; 3-4 cr.

33914 004 DIS, 13:25-14:15 Th, Folwell Hall 107, In Person Term Based; Meets With: 004 HSCI 3714; Lindsay Bell ; 3-4 cr.

33915 005 DIS, 13:25-14:15 Th, Ford Hall 170, In Person Term Based; Meets With: 005 HSCI 3714; Lindsay Bell ; 3-4 cr.

33916 006 DIS, 10:10-11:00 F, Amundson Hall 158, In Person Term Based; Meets With: 006 HSCI 3714; Lindsay Bell ; 3-4 cr.

33917 007 DIS, 14:30-15:20 M, Vincent Hall 301, In Person Term Based; Meets With: 007 HSCI 3714; Lindsay Bell ; 3-4 cr.

33918 008 DIS, 11:15-12:05 Th, Ford Hall 155, In Person Term Based; Meets With: 008 HSCI 3714; Lindsay Bell ; 3-4 cr.

33919 009 DIS, 14:30-15:20 W, Bruininks Hall 119, In Person Term Based; Meets With: 009 HSCI 3714; Lindsay Bell ; 3-4 cr.

33920 010 DIS, 09:05-09:55 F, Amundson Hall 158, In Person Term Based; Meets With: 010 HSCI 3714; Lindsay Bell ; 3-4 cr.

1715 History of Modern Technology: Waterwheels to the Web

(Student Option; HIS,TS)

25849 001 LEC, 18:00-20:45 M, Bruininks Hall 412, In Person Term Based; Meets With: 001 HSCI 3715; Mary Thomas ; 3-4 cr.

25917 002 LEC, 18:00-20:45 W, Bruininks Hall 312, In Person Term Based; Meets With: 002 HSCI 3715; Mary Thomas ; 3-4 cr.

1814 Revolutions in Science: The Babylonians to Newton

(Student Option; GP,HIS)

25777 001 LEC, 10:10-11:00 MWF, Akerman Hall 209, In Person Term Based; Meets With: 001 HSCI 3814; Victor Boantzta ; 3-4 cr.

25779 002 DIS, 11:15-12:05 M, Akerman Hall 227, In Person Term Based; Meets With: 002 HSCI 3814; Victor Boantzta ; 3-4 cr.

25780 003 DIS, 10:10-11:00 T, Bruininks Hall 117, In Person Term Based; Meets With: 003 HSCI 3814; Victor Boantzta ; 3-4 cr.

25781 005 DIS, 09:05-09:55 F, Bruininks Hall 121, In Person Term Based; Meets With: 005 HSCI 3814; Victor Boantzta ; 3-4 cr.

3244 Nature's History: Science, Humans, and the Environment

(Student Option; ENV,HIS)

25288 001 LEC, 09:45-11:00 TTh, Bruininks Hall 412, In Person Term Based; Meets With: 001 HSCI 5244; Susan Jones ; 3 cr.

3401 Ethics in Science and Technology

(Student Option; CIV,HIS)

25826 001 LEC, 14:30-15:45 TTh, Nicholson Hall 125, In Person Term Based; Meets With: 001 HSCI 5401; Honghong Tinn ; 3 cr.

3714 Stone Tools to Steam Engines: Technology and History to 1750

(Student Option; HIS,TS)

25787 001 LEC, 13:25-14:15 MWF, Anderson Hall 270, In Person Term Based; Meets With: 001 HSCI 1714; Lindsay Bell ; 3-4 cr.

26470 002 DIS, 13:25-14:15 T, Ford Hall 170, In Person Term Based; Meets With: 002 HSCI 1714; Lindsay Bell ; 3-4 cr.

33936 003 DIS, 10:10-11:00 W, Bruininks Hall 119, In Person Term Based; Meets With: 003 HSCI 1714; Lindsay Bell ; 3-4 cr.

33937 004 DIS, 13:25-14:15 Th, Folwell Hall 107, In Person Term Based; Meets With: 004 HSCI 1714; Lindsay Bell ; 3-4 cr.

33938 005 DIS, 13:25-14:15 Th, Ford Hall 170, In Person Term Based; Meets With: 005 HSCI 1714; Lindsay Bell ; 3-4 cr.

33939 006 DIS, 10:10-11:00 F, Amundson Hall 158, In Person Term Based; Meets With: 006 HSCI 1714; Lindsay Bell ; 3-4 cr.

33940 007 DIS, 14:30-15:20 M, Vincent Hall 301, In Person Term Based; Meets With: 007 HSCI 1714; Lindsay Bell ; 3-4 cr.

33941 008 DIS, 11:15-12:05 Th, Ford Hall 155, In Person Term Based; Meets With: 008 HSCI 1714; Lindsay Bell ; 3-4 cr.

33942 009 DIS, 14:30-15:20 W, Bruininks Hall 119, In Person Term Based; Meets With: 009 HSCI 1714; Lindsay Bell ; 3-4 cr.

33943 010 DIS, 09:05-09:55 F, Amundson Hall 158, In Person Term Based; Meets With: 010 HSCI 1714; Lindsay Bell ; 3-4 cr.

3715 History of Modern Technology: Waterwheels to the Web

(Student Option; HIS,TS)

25786 001 LEC, 18:00-20:45 M, Bruininks Hall 412, In Person Term Based; Meets With: 001 HSCI 1715; Mary Thomas ; 3-4 cr.

26242 002 LEC, 18:00-20:45 W, Bruininks Hall 312, In Person Term Based; Meets With: 002 HSCI 1715; Mary Thomas ; 3-4 cr.

3814 Revolutions in Science: The Babylonians to Newton

(Student Option; GP,HIS)

25778 001 LEC, 10:10-11:00 MWF, Akerman Hall 209, In Person Term Based; Meets With: 001 HSCI 1814; Victor Boantzta ; 3-4 cr.

25782 002 DIS, 11:15-12:05 M, Akerman Hall 227, In Person Term Based; Meets With: 002 HSCI 1814; Victor Boantzta ; 3-4 cr.

25783 003 DIS, 10:10-11:00 T, Bruininks Hall 117, In Person Term Based; Meets With: 003 HSCI 1814; Victor Boantzta ; 3-4 cr.

25784 005 DIS, 09:05-09:55 F, Bruininks Hal 121, In Person Term Based; Meets With: 005 HSCI 1814; Victor Boantz ; 3-4 cr.

4321 History of Computing

(Student Option; HIS,TS)
25913 001 LEC, 13:00-14:15 TTh, Amundson Hall 240, In Person Term Based; Meets With: 001 CSCI 4921; Honghong Tinn ; 3 cr.

5244 Nature's History: Science, Humans, and the Environment

(Student Option;)
25289 001 LEC, 09:45-11:00 TTh, Bruininks Hall 412, In Person Term Based; Meets With: 001 HSCI 3244; Susan Jones ; 3 cr.

5401 Ethics in Science and Technology

(Student Option;)
25827 001 LEC, 14:30-15:45 TTh, Nicholson Hall 125, In Person Term Based; Meets With: 001 HSCI 3401; Honghong Tinn ; 3 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent)
24266 001 IND, 00:00-00:00 , , In Person Term Based; Sally Kohlstedt, Jennifer Alexander, Mark Borrello ; 1-15 cr.
25659 002 IND, 00:00-00:00 , , In Person Term Based; 1-15 cr.
26205 003 IND, In Person Term Based; 1-15 cr.

5994 Directed Research

(Student Option; Prereq: instr consent)
24265 001 IND, 00:00-00:00 , , In Person Term Based; 1-15 cr.

Hmong (HMNG)

1011 Beginning Hmong I

(Student Option No Audit;)
19340 050 LEC, 15:35-17:55 MW, Nicholson Hall 345, In Person Term Based; Meets With: 050 HMNG 4001; Kia Yang ; 5 cr.
19494 001 LEC, 13:25-14:15 MTWThF, Nicholson Hall 115, In Person Term Based; Meets With: 001 HMNG 4001; Kia Yang ; 5 cr.

1015 Accelerated Beginning Hmong

(Student Option No Audit; Prereq: Ability in basic spoken Hmong)
19717 050 LEC, 14:30-15:20 MTWTh, Folwell Hall 123, In Person Term Based; Meets With: 050 HMNG 4005; Bee Vang ; 5 cr.

3021 Intermediate Hmong I

(Student Option No Audit; Prereq: Hmng 1002 or Hmng 1012 or Hmng 1015)
18844 001 LEC, 15:35-17:55 TTh, Folwell Hall 105, In Person Term Based; Meets With: 001 HMNG 4003; Kia Yang ; 5 cr.

3290 Hmong Language Teaching Tutorial

(S-N only; Prereq: Grade of A in 3022)
19047 001 FWK, In Person Term Based; Bee Vang ; 1 cr.

3993 Directed Studies

(Student Option No Audit; Prereq: instr consent, dept consent, college consent)
19981 001 IND, In Person Term Based; 1-5 cr.

4001 Beginning Hmong I for Graduate

Student Research
(Student Option No Audit;)
19420 050 LEC, 15:35-17:55 MW, Nicholson Hall 345, In Person Term Based; Meets With: 050 HMNG 1011; Kia Yang ; 5 cr.
19495 001 LEC, 13:25-14:15 MTWThF, Nicholson Hall 115, In Person Term Based; Meets With: 001 HMNG 1011; Kia Yang ; 5 cr.

4003 Intermediate Hmong I for Graduate

Student Research
(Student Option No Audit; Prereq: 4002)
18952 001 LEC, 15:35-17:55 TTh, Folwell Hall 105, In Person Term Based; Meets With: 001 HMNG 3021; Kia Yang ; 5 cr.

4005 Accelerated Beginning Hmong for Graduate Research

(Student Option No Audit; Prereq: Ability in basic spoken Hmong)
19718 050 LEC, 14:30-15:20 MTWTh, Folwell Hall 123, In Person Term Based; Meets With: 050 HMNG 1015; Bee Vang ; 5 cr.

5993 Directed Studies

(Student Option No Audit; Prereq: instr consent, dept consent, college consent)
22017 001 IND, In Person Term Based; 1-5 cr.

Honors Colloquia (HCOL)

3101H The Honors Thesis - Development

(A-F only;)
34485 001 DIS, 12:20-14:15 W, Appleby Hall 219, 12:20-14:15 W, Appleby Hall 219, 12:20-14:15 W, Appleby Hall 219, 12:20-14:15 W, Appleby Hall 219, 12:20-14:15 W, Appleby Hall 219, 12:20-14:15 W, Appleby Hall 219, 12:20-14:15 W, Appleby Hall 219, In Person Term Based; Brian Sostek, Milena Saqui-Salces ; 1 cr.

3102H The Honors Thesis - Writing

(A-F only;)
14552 001 DIS, 13:25-15:20 Th, Ford Hall 110, 13:25-15:20 Th, Ford Hall 110, 13:25-15:20 Th, Ford Hall 110, 13:25-15:20 Th, Ford Hall 110, 13:25-15:20 Th, Ford Hall 110, 13:25-15:20 Th, Ford Hall 110, 13:25-15:20 Th, Ford Hall 110, In Person Term Based; Shana Watters, Marek Oziewicz ; 1 cr.
14716 002 DIS, 13:25-15:20 Th, Hubert H. Humphrey School 184, 13:25-15:20 Th, Hubert H. Humphrey School 184, 13:25-15:20 Th, Hubert H. Humphrey School 184, 13:25-15:20 Th, Hubert H. Humphrey School 184, 13:25-15:20 Th, Hubert H. Humphrey School 184, 13:25-15:20 Th, Hubert H. Humphrey School 184, 13:25-15:20 Th, Hubert H. Humphrey School 184, 13:25-15:20 Th, Hubert H. Humphrey School 184, In Person Term Based; David Lipset, Lizbeth Finestack ; 1 cr.
14717 003 DIS, 11:15-13:10 F, Folwell Hall 16, 11:15-13:10 F, Folwell Hall 16, 11:15-13:10 F, Folwell Hall 16, 11:15-13:10 F, Folwell Hall 16, 11:15-13:10 F, Folwell Hall 16, 11:15-13:10 F, Folwell Hall 16, 11:15-13:10 F, Folwell Hall 16, In Person Term Based; Michael Coughlin, Brian Sostek ; 1 cr.
14719 004 DIS, 16:00-17:55 T, Folwell Hall 123, 16:00-17:55 T, Folwell Hall 123, 16:00-17:55 T, Folwell Hall 123, 16:00-17:55 T, Folwell Hall 123, 16:00-17:55 T, Folwell Hall 123, 16:00-17:55 T, Folwell Hall 123, 16:00-17:55 T, Folwell Hall 123, 16:00-17:55 T, Folwell Hall 123, In Person Term Based; Katherine Scheil, Ashok Singh ; 1 cr.

Honors Seminar (HSEM)

2009H Contemporary Art and Politics:

From Marcel Duchamp to Ai Weiwei
(A-F only; GP)
13921 001 DIS, 16:00-17:15 MW, Folwell Hall 30, In Person Term Based; Meng Tang ; 3 cr.

2053H The Psychology of Paranormal

Phenomena
(A-F only;)
13973 001 DIS, 09:45-11:00 TTh, Northrop Memorial Aud 240, In Person Term Based; Charles Fletcher ; 3 cr.

2413H Insights, Ideas, and Innovation

(A-F only;)
32765 001 DIS, 09:45-11:00 TTh, Blegen Hall 115, In Person Term Based; Tobin Nord ; 3 cr.

2515H Experiencing Local Environmental

Solutions
(A-F only;)
14551 001 DIS, 14:30-16:10 Th, Nicholson Hall 110, In Person Term Based; Paul Capel ; 2 cr.

2529H Explanation and Evidence in Crime

Fiction and in Science
(A-F only;)
14689 001 DIS, 09:45-11:00 MW, Wulling Hall 240, In Person Term Based; Michel Janssen ; 3 cr.

2541V Campus Obscura: A University of

Minnesota Cabinet of Curiosity
(A-F only; HIS,WI)
14721 001 DIS, 14:30-17:00 W, Nicholson Hall 335, In Person Term Based; Juliet Burba ; 3 cr.

2635H Germs and Civilization

(A-F only;)
33168 001 DIS, 15:35-17:30 Th, Folwell Hall 121, In Person Term Based; Zheng Xing ; 2 cr.

2707H Battling the Bugs: Anthrax, Ebola, and Everyday Life - PubH Strategies for Prevention & Control

(A-F only;)
13922 001 DIS, 13:00-14:15 MW, Phillips-Wangenstn Bldg 3-154, In Person Term Based; Jill DeBoer ; 3 cr.

2721H Introduction to Medicine

(A-F only;)
33835 001 DIS, 15:35-18:55 M, Akerman Hall 317, In Person Term Based; Ratan Banik ; 2 cr.

2801H Think Like a Lawyer: The Art and Adventure of Torts

(A-F only; CIV)
32751 001 DIS, 15:35-18:15 T, Northrop Memorial Aud 240, In Person Term Based; Bobak Ha'Eri ; 3 cr.

2803H Making Your Voice Heard on Climate Change

(A-F only;)
33833 001 DIS, 16:00-17:15 TTh, Bruininks Hall 144, In Person Term Based; Fred Rose ; 3 cr.

3071H People, Pines, and Fire: Shaping the forested landscapes of Minnesota and the Great Lakes

(A-F only; ENV)
34020 001 DIS, 14:30-17:00 T, Blegen Hall 140, In Person Term Based; Kurt Kipfmuller ; 3 cr.

3077H Myths and Legends of the Polar North

(A-F only; LITR)
34018 001 DIS, 09:45-11:00 MW, Pillsbury Hall 314, In Person Term Based; Andrew Scheil ; 3 cr.

3079V Art and Revolution

(A-F only; AH,WI,GP)
34051 001 DIS, 14:30-17:00 M, Walter W Heller Hall 445, In Person Term Based; Robert Silberman ; 3 cr.

3205H Environmental Justice and Climate Futures: the Mississippi River Corridor

(A-F only;)
14718 001 DIS, 13:00-14:15 MW, Nicholson Hall 345, In Person Term Based; Patrick Nunnally ; 3 cr.

3414H "Was the \$84,000 price tag for a cure to hepatitis C corporate greed or a humanitarian triumph?"

(A-F only;)
34822 002 DIS, 11:15-12:45 F, Carlson School of Mgmt 2-219, 11:15-12:30 MW, Carlson School of Mgmt 2-219, In Person Term Based; Ian Maitland ; 2 cr.

3705H Nanotechnology: A Blessing or Curse to Society

(A-F only; ENV)
14694 001 DIS, 16:00-17:15 MW, Bruininks Hall 420B, In Person Term Based; Ashok Singh ; 3 cr.

3801H Modern China: Law, History, and Culture

(A-F only; GP)
14550 001 DIS, 16:00-18:30 Th, Carlson School of Mgmt 1-136, In Person Term Based; Chang Wang ; 3 cr.

3804H Women who Rock (the Boat): Leadership and the Nobel Peace Prize

(A-F only; GP)
14696 001 DIS, 16:00-17:15 MW, Kolthoff Hall 135, In Person Term Based; Maureen Reed ; 3 cr.

3807H Understanding Police Use of Force

(A-F only;)
34220 001 DIS, 16:00-17:15 MW, Northrop Memorial Aud 240, In Person Term Based; Amy Tamburino ; 3 cr.

Horticultural Science (HORT)

1001 Plant Propagation

(Student Option; BIOL)

- 22220 001 LEC, 11:45-13:00 TTh, Borlaug Hall 335, In Person Term Based; Meets With: 001 HORT 6011; Alan Smith ; 4 cr.
- 32752 002 LAB, 09:35-11:30 T, Plant Growth Facility 140A, In Person Term Based; Laura Irish ; 4 cr.
- 32776 003 LAB, 13:15-15:10 T, Plant Growth Facility 140A, In Person Term Based; Laura Irish ; 4 cr.
- 32777 004 LAB, 09:35-11:30 Th, Plant Growth Facility 140A, In Person Term Based; Laura Irish ; 4 cr.
- 32778 005 LAB, 13:15-15:10 Th, Plant Growth Facility 140A, In Person Term Based; Laura Irish ; 4 cr.

1014 The Edible Landscape**(Student Option No Audit; TS)**

- 33351 001 LEC, 17:10-18:30 W, Twin Cities Remote, Completely Online; Emily Tepe ; 3 cr.

1015 Plant Families for Plant People**(Student Option No Audit;)**

- 22373 002 LAB, 09:35-11:30 TTh, Plant Growth Facility 140B, In Person Term Based; Stan Hokanson ; 4 cr.
- 22374 003 LAB, 11:45-13:40 TTh, Plant Growth Facility 140B, In Person Term Based; Stan Hokanson ; 4 cr.
- 22375 001 LEC, Completely Online; Stan Hokanson ; 4 cr.
- 22450 004 LAB, 13:55-15:50 TTh, Plant Growth Facility 140B, In Person Term Based; Stan Hokanson ; 4 cr.

1061 The Sustainable Lawn**(Student Option;)**

- 22431 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Eric Watkins ; 3 cr.

2121 Agricultural Biochemistry

(A-F only; Prerequisites: [CHEM 1015, CHEM 1017] or [CHEM 1061, CHEM 1065] *Note for those students considering graduate school - We highly recommend you consult your academic advisor for appropriate chemistry coursework.)

- 22426 001 LEC, Completely Online; Adrian Hegeman ; 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.)

- 22754 001 IND, Completely Online; 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.)

- 22755 001 IND, Completely Online; 1-4 cr.

3131 Student Organic Farm Planning,**Growing, and Marketing****(Student Option;)**

- 22635 001 LEC, Completely Online; Julie Grossman ; 3 cr.
- 22636 002 LAB, 09:35-11:30 W, Plant Growth Facility 140A, In Person Term Based; Meets With: 002 HORT 5131; Julie Grossman ; 3 cr.

4061W Turfgrass Management**(A-F only; Prereq: 1001 or instr consentWI)**

- 32784 001 LEC, 12:50-14:45 W, Room TBA, In Person Term Based; 3 cr.

4096W Professional Experience Internship

(A-F only; Prerequisite Canvas module on pre-and reflection during the summer internship experience. Upon successful completion of this prerequisite, students will receive a permission number to register for HORT 4096W in the fall. In 4096W, students will produce a final publication that is focused on writing for lay audiences. This writing project will start toward the end of the internship and end at the conclusion of the 7-week online fall course. prereq: CFANS undergradWI)

- 22462 001 FWK, Independent/Directed Study; Mary Rogers ; 1 cr.

5071 Ecological Restoration**(Student Option;)**

- 22619 001 LEC, 16:30-17:45 TTh, Biological Sciences Ctr 64, Partially Online; Meets With: 001 ESPM 5071; Susan Galatowitsch ; 4 cr.

5093 Directed Study

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

- 22751 001 IND, Completely Online; 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.)

- 22752 001 IND, Completely Online; 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)**

- 33004 001 LEC, 17:00-18:00 W, Twin Cities Remote, Completely Online; Thomas Michaels ; 1 cr.

5131 Student Organic Farm Planning,**Growing, and Marketing****(Student Option; Prereq: 1001 or AGRO 1101 or AGRO 1103 or BIOL 1001 or BIOL 1009 or instr consent)**

- 22756 001 LEC, Completely Online; Julie Grossman ; 3 cr.
- 22757 002 LAB, 09:35-11:30 W, Plant Growth Facility 140A, In Person Term Based; Meets With: 002 HORT 3131; Julie Grossman ; 3 cr.

Human Factors (HUMF)**5001 Foundations of Human Factors/ Ergonomics****(A-F or Audit; Prereq: Grad HumF major or minor or instr consent)**

- 15219 001 LEC, 14:30-17:00 W, Civil Engineering Bldg 212, In Person Term Based; Meets With: 001 KIN 5001; Thomas Smith ; 3 cr.

5193 Directed Study in Human Factors and Ergonomics**(A-F only; Prereq: instr consent)**

- 15493 001 IND, Independent/Directed Study; Lucy Dunne ; 1-4 cr.
- 15509 002 IND, Independent/Directed Study; Brad Holschuh ; 1-4 cr.
- 15515 003 IND, Independent/Directed Study; Victoria Interrante ; 1-4 cr.
- 15516 004 IND, Independent/Directed Study; ; 1-4 cr.

5211 Human Factors and Work Analysis**(A-F or Audit;)**

- 15278 001 LEC, 10:10-12:05 TTh, Mayo Bldg & Additions 3-100, In Person Term Based; Meets With: 001 IE 4511001 IE 5511; Nichole Morris ; 4 cr.

Human Resources/Indus Rel (HRIR)**3021 Human Capital Management****(A-F only;)**

- 22966 002 LEC, 13:00-14:15 TTh, Hanson Hall 1-108, In Person Term Based; Amy Simon ; 3 cr.
- 22972 003 LEC, 14:30-15:45 TTh, Hanson Hall 1-108, In Person Term Based; Amy Simon ; 3 cr.
- 23016 004 LEC, 13:00-14:15 MW, Hanson Hall 1-108, In Person Term Based; Adib Birkland ; 3 cr.
- 23068 020 LEC, 16:00-18:30 T, Hanson Hall 1-108, In Person Term Based; Dongil (Marco) Jang ; 3 cr.
- 23153 001 LEC, 11:15-12:30 TTh, Hanson Hall 1-102, In Person Term Based; Amy Simon ; 3 cr.

3041 The Individual and the Organization**(Student Option; Prerequisite: HRIR 3021)**

- 23134 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 1-135, In Person Term Based; Adib Birkland ; 2 cr.

3042 Organizational Behavior: Groups and Teams**(Student Option; Prerequisite: HRIR 3021)**

- 23135 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 1-143, In Person Term Based; Adib Birkland ; 2 cr.

3051 Compensation: Theory and Practice**(Student Option;)**

- 22945 001 LEC, 15:45-17:25 MW, Carlson School of Mgmt 1-132, In Person Term Based; Peter Ronza ; 2 cr.

5252 Employment and Labor Law for the HRIR Professional**(Student Option; Prereq: HRIR MA student must register A-F, 3021, [CSOM or HRD junior or senior or dept consent])**

- 23310 060 LEC, 17:45-21:05 M, Carlson School of Mgmt 2-213, In Person Term Based; Carol O'Toole ; 2 cr.

5442 Employee Performance Management: Strategies, Systems, and Skills**(Student Option; Prereq: HRIR MA student must register A-F, 3021, [CSOM or HRD junior or senior or dept consent])**

- 23159 060 LEC, 17:45-21:05 W, Carlson School of Mgmt 1-135, In Person Term Based; Larry Bourgerie ; 2 cr.

5443 Principles of Effective Coaching**(A-F only; Prereq: HRIR MA student must register A-F, [CSOM or HRD junior or senior or dept consent] with HRIR 3021)**

- 23163 090 LEC, 17:45-21:05 Th, Twin Cities Remote, Completely Online; Stephen Glomb ; 2 cr.

5655 Public Policies on Work and Pay**(Student Option; Prereq: HRIR MA student must register A-F, ECON 1101, [CSOM or HRD junior or senior or dept consent])**

- 23298 060 LEC, 18:00-20:45 T, Carlson School of Mgmt 2-219, In Person Term Based; Meets With: 001 PA 5431; Noah Wexler ; 3 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])**

- 23348 060 LEC, 17:45-21:05 W, Carlson School of Mgmt 1-143, In Person Term Based; John Budd ; 2 cr.

5992 Independent Study in Human**Resources and Industrial Relations****(Student Option; Prereq: dept consent or instr consent)**

- 22922 001 IND, In Person Term Based; 1-8 cr.

Industrial Engineering (IE)**1101 Foundations of Industrial and****Systems Engineering****(A-F only;)**

- 25823 001 LEC, 14:30-16:25 TTh, Bruininks Hall 114, In Person Term Based; Lisa Miller ; 4 cr.

2021 Engineering Economics**(A-F only; Prereq: [MATH 1372 or equiv], CSE student)**

- 25824 001 LEC, 13:25-15:20 MW, Anderson Hall 250, In Person Term Based; Shuzhong Zhang ; 4 cr.

3011 Optimization Models and Methods**(A-F only; Prereq: MATH 2374, MATH 2142, or equivalent, Upper Division CSE)**

- 25868 001 LEC, 10:10-12:05 MW, Mechanical Engineering 212, In Person Term Based; Jean-Philippe Richard ; 4 cr.

3013 Optimization for Machine Learning**(A-F only;)**

- 26803 001 LEC, 10:10-12:05 TTh, Armory Building 202, In Person Term Based; Darin England ; 4 cr.

3521 Statistics, Quality, and Reliability**(Student Option; Prereq: MATH 1372 or equiv)**

- 24223 001 LEC, 10:10-12:05 TTh, Akerman Hall 209, In Person Term Based; Ankur Mani ; 4 cr.
- 24308 002 LEC, 15:35-17:30 TTh, Mechanical Engineering 108, In Person Term Based; William Cooper ; 4 cr.
- 33139 883 LEC, 15:35-17:20 TTh, Twin Cities Remote, Completely Online; William Cooper ; 4 cr.

3553 Simulation**(A-F only; Prereq: CSCI 1133, IE 3521 or equivalent, CSE Upper Division)**

- 26337 001 LEC, 13:25-15:20 MW, Mayo Bldg & Additions C231, In Person Term Based; Meets With: 001 IE 5553; Darin England ; 4 cr.

4091 Independent Study**(A-F only;)**

- 26167 001 IND, In Person Term Based; 1-4 cr.

4094 Directed Research**(A-F only;)**

- 26168 001 IND, In Person Term Based; 1-4 cr.

4096 Curricular Practical Training**(S-N only;)**

- 26169 001 FWK, In Person Term Based; Lisa Miller ; 1 cr.
- 26652 002 FWK, In Person Term Based; Lisa Miller ; 1 cr.

4511 Human Factors**(A-F only; Prereq: CSE Upper Division)**

25870 001 LEC, 10:10-12:05 TTh, Mayo Bldg & Additions 3-100, In Person Term Based; Meets With: 001 IE 5511001 HUMF 5211; Nichole Morris ; 4 cr.

4541W Project Management

(A-F only; Prereq: ISyE seniorWI)
25869 001 LEC, 13:25-15:20 TTh, Bruininks Hall 131A, In Person Term Based; Mimi Wong ; 4 cr.
26793 002 LEC, 15:35-17:30 TTh, Bruininks Hall 131A, In Person Term Based; Mimi Wong ; 4 cr.

4894 Directed Senior Honors Thesis

(A-F only;)
26170 001 IND, In Person Term Based; 2 cr.

5080 Topics in Industrial Engineering

(Student Option;)
33573 002 LEC, 15:35-17:30 TTh, Smith Hall 100, In Person Term Based; Meets With: 003 CSCI 5980; Ankur Mani, Jaideep Srivastava ; 1-4 cr.

5111 Systems Engineering I

(A-F or Audit; Prereq: CSE upper div or grad student)
25132 001 LEC, 18:10-20:00 M, Mechanical Engineering 212, In Person Term Based; Juliana Monson ; 2 cr.
25445 883 LEC, 18:10-20:00 M, Twin Cities Remote, Completely Online; Juliana Monson ; 2 cr.

5511 Human Factors and Work Analysis

(A-F or Audit; Prereq: Upper div CSE or grad student)
24221 001 LEC, 10:10-12:05 TTh, Mayo Bldg & Additions 3-100, In Person Term Based; Meets With: 001 IE 4511001 HUMF 5211; Nichole Morris ; 4 cr.

5524 Process Transformation through Lean Tools

(A-F only;)
26446 001 LEC, 16:00-17:45 M, Keller Hall 3-115, In Person Term Based; Nicholas Arnosti ; 2 cr.

5531 Engineering Optimization I

(Student Option; Prereq: Upper div or grad student or CNR)
24224 001 LEC, 11:15-13:10 MW, Mechanical Engineering 108, In Person Term Based; Meets With: 001 MATH 5711; Yiling Zhang ; 4 cr.
26232 883 LEC, 11:15-13:10 MW, Twin Cities Remote, Completely Online; Yiling Zhang ; 4 cr.

5532 Stochastic Models

(Student Option; Prereq: Undergraduate probability and statistics. Familiarity with computer programming in a high level language.)
26088 001 LEC, 10:10-12:05 TTh, Keller Hall 3-115, In Person Term Based; Martin Zubeldia Suarez ; 4 cr.
26313 883 LEC, 10:10-12:05 TTh, Twin Cities Remote, Completely Online; Martin Zubeldia Suarez ; 4 cr.

5533 Operations Research for Data Science

(A-F only;)
33123 001 LEC, 13:00-14:15 TTh, Akerman Hall 225, In Person Term Based; Ying Cui ; 3 cr.

5541 Project Management

(A-F only; Prereq: Upper div or grad student)
24309 001 LEC, 18:10-21:30 T, Bruininks Hall 412, In Person Term Based; Mimi Wong ; 4 cr.

5553 Simulation

(Student Option; Prereq: Upper div or grad student; familiarity with probability/statistics recommended)
26920 001 LEC, 13:25-15:20 MW, Mayo Bldg & Additions C231, In Person Term Based; Meets With: 001 IE 3553; Darin England ; 4 cr.

5773 Practice-focused Seminar

(S-N or Audit;)
26338 001 LEC, 15:35-16:25 W, Bruininks Hall 117, In Person Term Based; Krishnamurthy Iyer ; 1 cr.

5801 Capstone Project

(A-F only; Prerequisites: ISyE Analytics Track MS Student; IE 5531; IE 5561; Stat 5302; CSci 5521 or 5523.)
26339 001 LEC, 15:45-19:05 M, Bruininks Hal 121, In Person Term Based; William Cooper ; 4 cr.

Information Networking (INET)

1001 Survey of Information Technology

(A-F or Audit;)

29924 301 LEC, Completely Online; Scott Lee-Eichenwald ; 1 cr.

3011W Social Impact of Information Technology

(A-F or Audit; Prereq: None WI)
30036 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])
29838 001 LEC, 18:00-21:35 T, Appleby Hall 3, In Person Term Based; Mark Langanki ; 2 cr.

3102 Web Infrastructure

(A-F or Audit; Prereq: [3101, CSCI 2021] or equiv IT experience)
29889 001 LEC, 18:00-21:35 T, Akerman Hall 225, In Person Term Based; Banipal Ayvaz ; 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.)
29974 301 LEC, Completely Online; John Raabe ; 3 cr.

4007 Security II: Cyber Security

(A-F only; Prerequisites. Basic knowledge of security issues and processes (detection, risk assessment, technology, secure design, business continuity, forensics, and legal aspects) is recommended. If you have taken INet 4165, you will be well prepared. If you are unsure about whether your knowledge is sufficient for success in this class, contact the instructor.)
29958 001 LEC, 18:00-21:35 T, Appleby Hall 11, In Person Term Based; Norman Owens ; 4 cr.

4011 Networking I: Network Administration

(A-F or Audit; Prereq: CSCI 4211-Introduction to Computer Networks or equivalent networking knowledge and understanding.)
29961 001 LEC, 18:00-21:35 W, Appleby Hall 3, In Person Term Based; Nathan Tymeson ; 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.)
29959 001 LEC, 18:00-21:35 Th, Appleby Hall 302, In Person Term Based; Joseph Axberg ; 4 cr.

4032 Systems I: Storage

(A-F or Audit; Prereq: Fundamental understanding of an operating system such as Microsoft Windows, Linux, or Apple OSX, in the areas of file systems, I/O, computer architecture, and basic administration.)
29857 001 LEC, 18:00-21:35 T, Appleby Hall 128, In Person Term Based; Carl Follstad ; 4 cr.

4051 IT Infrastructure Operations: Capstone

(A-F or Audit; Prereq: INet 4002 or CSci 4211 or instructor consent, Senior.)
29956 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)
29960 301 LEC, Completely Online; Tyler Deutsch ; 4 cr.

4082W IT Infrastructure Projects and Processes

(A-F or Audit; Prereq: 45 cr recommendedWI)
29944 101 LEC, 18:00-20:45 Th, Bruininks Hall 512B, Partially Online; Banipal Ayvaz ; 3 cr.

4121 DevOps II: Development Strategies

(A-F or Audit; Prereqs: CSCI 4061 or operating system knowledge, basic knowledge of Python)
29950 001 LEC, 18:00-21:35 M, Appleby Hall 3, In Person Term Based; Jonathan Silverman ; 4 cr.

4153 Introduction to Security: Policy and Regulation

(A-F or Audit; Prereq: experience with Windows/Internet; 45 semester credits)
29831 001 LEC, 18:00-21:35 Th, Bruininks Hall 512A, In Person Term Based; John Raabe ; 4 cr.

4193 Directed Study

(A-F or Audit; Prereq: ITI student, dept consent)
29822 401 IND, Independent/Directed Study; 1-4 cr.
29823 402 IND, Independent/Directed Study; 1-4 cr.

4596 Internship

(A-F only; Prereq: [ITI major or certificate student], [jr or sr], dept consent)
29843 401 FWK, Independent/Directed Study; 1 cr.
29844 402 FWK, Independent/Directed Study; 1 cr.

4707 Introduction to Databases

(A-F or Audit; Prereq: INet 4001 or CSci 4061, at least 45 cr completed; CSci majors contact CSci Dept before registering.)
29899 001 LEC, 18:00-21:35 M, Bruininks Hall 530A, In Person Term Based; Rich Howey ; 4 cr.

4709 Data Management I: Fundamentals

(A-F or Audit; Prereq: INet/CSci 4707 and CSci 4061, or professional experience with SQL and basic operating systems.)
30039 001 LEC, 18:00-20:45 M, Appleby Hall 11, In Person Term Based; Norman Owens ; 3 cr.

Information and Decision Sci (IDSC)

3001 Information Systems & Digital Transformation

(A-F or Audit;)
23141 001 LEC, 09:45-11:00 MW, Hanson Hall 1-108, In Person Term Based; Timothy Olson ; 3 cr.
23142 002 LEC, 08:15-09:30 TTh, Hanson Hall 1-108, In Person Term Based; Timothy Olson ; 3 cr.
23143 003 LEC, 11:15-12:30 TTh, Hanson Hall 1-104, In Person Term Based; Yuqing Ren ; 3 cr.
23144 020 LEC, 17:45-20:15 T, Hanson Hall 1-102, In Person Term Based; Erich Selvig ; 3 cr.
23145 005 LEC, 16:00-17:15 TTh, Hanson Hall 1-104, In Person Term Based; Timothy Olson ; 3 cr.
23170 004 LEC, 11:15-12:30 MW, Hanson Hall 1-108, In Person Term Based; Timothy Olson ; 3 cr.
32802 006 LEC, 16:00-17:15 MW, Hanson Hall 1-104, In Person Term Based; Kevin Kuhn ; 3 cr.

3001H Honors: Information Systems for Business Processes and Management

(A-F or Audit;)
23483 001 LEC, 09:45-11:00 TTh, Carlson School of Mgmt L-122, In Person Term Based; Yuqing Ren ; 3 cr.

3101 Introduction to Programming

(A-F or Audit;)
23028 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt L-117, In Person Term Based; Vedran Lelas ; 2 cr.
23111 002 LEC, 15:45-17:25 MW, Carlson School of Mgmt L-117, In Person Term Based; Vedran Lelas ; 2 cr.

3102 Intermediate Programming

(A-F or Audit;)
23029 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt L-117, In Person Term Based; Vedran Lelas ; 2 cr.
23114 002 LEC, 15:45-17:25 MW, Carlson School of Mgmt L-117, In Person Term Based; Vedran Lelas ; 2 cr.

3103 Data Modeling and Databases

(A-F only;)
23030 002 LEC, 13:45-15:25 TTh, Carlson School of Mgmt L-117, In Person Term Based; Vedran Lelas ; 2 cr.
23117 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt L-117, In Person Term Based; Vedran Lelas ; 2 cr.
23263 003 LEC, 11:50-13:30 MW, Carlson School of Mgmt L-117, In Person Term Based; Yicheng Song ; 2 cr.

3104 Enterprise Systems

(A-F or Audit; Prereq: 3001)
23031 002 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 2-207, In Person Term Based; Kevin Kuhn ; 2 cr.
23271 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 2-233, In Person Term Based; Kevin Kuhn ; 2 cr.
23299 003 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-114, In Person Term Based; Kevin Kuhn ; 2 cr.

3202 Analysis and Modeling of Business Systems

(A-F or Audit; Prereq: 3001)
22964 001 LEC, 09:55-11:35 MW, Carlson School of Mgmt 2-213, In Person Term Based; Sofia Bapna ; 4 cr.
23168 002 LEC, 11:50-13:30 MW, Carlson School of Mgmt 2-213, In Person Term Based; Sofia Bapna ; 4 cr.

3511 Pitching Business Strategy

(A-F only; Prereq: IDSc 3001 or I-Core (completed or concurrent), or Instructor permission.)

23417 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 1-127, In Person Term Based; Ken Reily ; 2 cr.

4110 Data Engineering for Business**Analytics**

(A-F only;)

23255 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt L-117, In Person Term Based; Vedran Lelas ; 2 cr.

23279 002 LEC, 09:55-11:35 TTh, Carlson School of Mgmt L-117, In Person Term Based; Kartik Ganju ; 2 cr.

23371 003 LEC, 15:45-17:25 TTh, Carlson School of Mgmt L-117, In Person Term Based; Kartik Ganju ; 2 cr.

4204W Strategic Information Technology Management

(A-F or Audit; WI)

23060 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 1-127, In Person Term Based; Gautam Ray ; 4 cr.

23132 002 LEC, 13:45-15:25 MW, Carlson School of Mgmt L-118, In Person Term Based; Ryan Sougstad ; 4 cr.

23193 003 LEC, 15:45-17:25 TTh, Carlson School of Mgmt 2-224, In Person Term Based; Ryan Sougstad ; 4 cr.

4210 Interactive Data Visualization for Business Analytics

(A-F only;)

23256 002 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-132, In Person Term Based; Ryan Sougstad ; 2 cr.

23306 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 2-224, In Person Term Based; Ryan Sougstad ; 2 cr.

4301 MIS in Action: A Capstone Course

(A-F only;)

23118 001 LEC, 08:00-09:40 MW, Carlson School of Mgmt 1-132, In Person Term Based; Timothy Olson ; 2 cr.

32803 002 LEC, 08:00-09:40 MW, Carlson School of Mgmt 2-233, In Person Term Based; Michael McFarlane ; 2 cr.

4401 Information Security

(A-F only; Prereq: 3001)

23309 020 LEC, 17:45-21:05 T, Carlson School of Mgmt 1-142, In Person Term Based; Matt Schmidt ; 2 cr.

4411 Information Technology Governance and Assurance

(A-F only; Prereq: 3001)

23113 020 LEC, 17:45-21:05 W, Carlson School of Mgmt 1-123, In Person Term Based; Matt Schmidt ; 2 cr.

4444 Descriptive and Predictive Analytics

(A-F only; Prereqs: IDSC 3001; non-MIS majors also need IDSC 4110)

23223 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 2-224, In Person Term Based; Yi Zhu ; 2 cr.

23307 002 LEC, 11:50-13:30 MW, Hanson Hall 1-105, In Person Term Based; De Liu ; 2 cr.

23419 003 LEC, 09:55-11:35 MW, Hanson Hall 1-105, In Person Term Based; De Liu ; 2 cr.

23420 004 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 1-142, In Person Term Based; Xuan Bi ; 2 cr.

4491 Independent Study in Information Systems

(A-F only; Prereq: instr consent)

23167 001 IND, In Person Term Based; Ken Reily ; 1-4 cr.

Insurance and Risk Management (INS)**4101 Employee Benefits**

(Student Option;)

22985 001 LEC, 11:50-13:30 TTh, Hanson Hall 1-109, In Person Term Based; Meets With: 001 INS 6101; Andrew Whitman ; 2 cr.

4105 Corporate Risk Management

(Student Option;)

22934 001 LEC, 11:50-13:30 TTh, Hanson Hall 1-109, In Person Term Based; Meets With: 001 INS 6105; Andrew Whitman ; 2 cr.

4200 Insurance Theory and Practice

(Student Option;)

23136 020 LEC, 17:45-21:05 W, Hanson Hall 1-109, In Person Term Based; Meets With: 090 INS 6200; Andrew Whitman ; 2 cr.

Inter-College Program (ICP)**3093 Directed Study**

(A-F only; Prereq: instr consent)

29837 401 IND, Independent/Directed Study; Josh Borowicz ; 1-15 cr.

30076 402 IND, Independent/Directed Study; Josh Borowicz ; 1-15 cr.

30078 403 IND, Independent/Directed Study; Josh Borowicz ; 1-15 cr.

30079 404 IND, Independent/Directed Study; Josh Borowicz ; 1-15 cr.

3101W Proposal Development

(A-F only; Prereq: Admission to the Inter-College Program or Health and Wellbeing Sciences major(WI))

30003 301 LEC, Completely Online; Ganeane Sawyer ; 2 cr.

30023 302 LEC, Completely Online; Ganeane Sawyer ; 2 cr.

30044 303 LEC, Completely Online; Ganeane Sawyer ; 2 cr.

Interior Design (IDES)**1601 Interior Design Studio I**

(A-F or Audit; Prereq: Interior design pre-major or interior environments minor)

15183 001 LAB, 08:30-11:30 MW, McNeal Hall 470, In Person Term Based; Lei Mai Van Nguyen ; 4 cr.

15210 003 LAB, 15:00-18:00 TTh, McNeal Hall 470, In Person Term Based; Anne Farniok ; 4 cr.

15484 002 LAB, 15:00-18:00 MW, McNeal Hall 470, In Person Term Based; Meghan Hendrickson ; 4 cr.

2196 Work Experience in Interior Design

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

15285 002 FWK, Independent/Directed Study; Tasoulla Hadjiyanni ; 1-4 cr.

15286 003 FWK, Independent/Directed Study; Stephanie Zollinger ; 1-4 cr.

15287 004 FWK, Independent/Directed Study; Meghan Hendrickson ; 1-4 cr.

15415 001 FWK, Independent/Directed Study; Abimbola Asojo ; 1-4 cr.

2603 Interior Design Studio III

(A-F only; Prereq: [1602 or DHA 1602] with grade of at least C-, pass portfolio review, interior design major)

15184 001 LAB, 14:30-17:30 TTh, Rapson Hall 1, In Person Term Based; Meghan Hendrickson ; 4 cr.

15574 002 LAB, 15:35-18:35 TTh, Nolte Center 140, In Person Term Based; Janet Whaley ; 4 cr.

2613 Interior Structures, Systems, and Life Safety

(A-F only;)

15444 001 LEC, 12:50-14:45 MW, McNeal Hall 316, In Person Term Based; Jennifer Klein ; 4 cr.

3161 History of Interiors and Furnishings: Ancient to 1750

(A-F or Audit; GP)

15288 001 LEC, Completely Online; Stephanie Zollinger ; 4 cr.

3606 Interior Design Studio VI

(A-F only; Prereq: IDes 3605)

15414 001 LAB, 09:05-12:05 MW, Nolte Center 140, In Person Term Based; Carol Erklouts ; 4 cr.

15548 002 LAB, 09:05-12:05 MW, Rapson Hall 1, In Person Term Based; Shawn Gaitner ; 4 cr.

3612 Lighting Design

(A-F only;)

15456 001 LEC, 09:35-11:30 TTh, McNeal Hall 233, In Person Term Based; Meets With: 001 IDes 5612; Abimbola Asojo ; 3 cr.

3614 Interior Design Ethics and Professional Practice

(A-F only; Prereq: 2604 or DHA 2604; or Interior Environments Minor(CIV))

15485 001 LEC, 12:20-14:15 MW, Rapson Hall 43, In Person Term Based; Anne Farniok ; 4 cr.

3622 Computer Applications II

(A-F only; Prereq: 2622)

15457 001 LEC, 13:55-16:55 Th, McNeal Hall 305, In Person Term Based; Jennifer Klein ; 2 cr.

4193 Directed Study in Interior Design

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

15289 001 IND, Independent/Directed Study; Abimbola Asojo ; 1-4 cr.

15290 002 IND, Independent/Directed Study; Tasoulla Hadjiyanni ; 1-4 cr.

15291 003 IND, Independent/Directed Study; Stephanie Zollinger ; 1-4 cr.

15292 004 IND, Independent/Directed Study; 1-4 cr.

4196 Internship in Interior Design

(S-N only; Prereq: 4607, instr consent)

15293 001 FWK, Independent/Directed Study; Abimbola Asojo ; 1 cr.

15294 002 FWK, Independent/Directed Study; Tasoulla Hadjiyanni ; 1 cr.

15295 004 FWK, Independent/Directed Study; Meghan Hendrickson ; 1 cr.

15540 003 FWK, Independent/Directed Study; Stephanie Zollinger ; 1 cr.

4607 Interior Design Studio VII

(A-F only; Prereq: [IDes 2604] or [DHA 2604]] with grade of at least C-)

15161 001 LAB, 15:35-18:35 MW, Rapson Hall 1, In Person Term Based; Bill Hickey ; 4 cr.

15634 002 LAB, 15:35-18:35 MW, Nolte Center 140, In Person Term Based; Anne Farniok ; 4 cr.

4615W Interior Design Research

(A-F only; Prereq: 3605 or DHA 3605(WI))

15222 001 LEC, 09:35-12:35 T, Peters Hall 145, In Person Term Based; Meghan Hendrickson ; 3 cr.

5193 Directed Study in Interior Design

(A-F or Audit; Prereq: Jr or sr or grad student)

15296 001 IND, Independent/Directed Study; Abimbola Asojo ; 1-4 cr.

15297 002 IND, Independent/Directed Study; Tasoulla Hadjiyanni ; 1-4 cr.

15298 003 IND, Independent/Directed Study; Stephanie Zollinger ; 1-4 cr.

5612 Lighting Design

(A-F only;)

15605 001 LEC, 09:35-11:30 TTh, McNeal Hall 233, In Person Term Based; Meets With: 001 IDES 3612; Abimbola Asojo ; 3 cr.

International Business (IBUS)**3002 Strategic Management Accounting**

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

23181 001 LEC, 17:45-20:15 M, Carlson School of Mgmt 1-136, In Person Term Based; Clayton Forester ; 4 cr.

3019 Striving for Equity in International Business

(A-F only;)

23474 001 DIS, 13:45-15:25 MW, Carlson School of Mgmt 1-136, In Person Term Based; Wendy Lutter ; 4 cr.

3081 Sustainability and Corporate Social Responsibility in Costa Rica

(A-F only;)

23164 001 LEC, 16:00-19:00 T, Carlson School of Mgmt 1-136, In Person Term Based; Tim Smith ; 4 cr.

3092 Understanding International Business

(A-F only; Prereq: Carlson School undergraduate students with at least 90 cumulative credits)

32796 001 DIS, 11:50-13:30 MW, Carlson School of Mgmt 2-233, In Person Term Based; Michael Nolan ; 2 cr.

32797 002 DIS, 13:45-15:25 MW, Carlson School of Mgmt 2-207, In Person Term Based; Michael Nolan ; 2 cr.

32798 003 DIS, 08:00-09:40 MW, Carlson School of Mgmt 1-132, In Person Term Based; Michael Nolan ; 2 cr.

4125 Global Banking: A Survey of Regulatory and Competitive Developments Post Financial Crisis

(A-F only; Prereq: FINA 4121)

23358 001 LEC, 09:00-10:40 MW, Carlson School of Mgmt 1-136, In Person Term Based; Susanna Gibbons ; 4 cr.

Italian (ITAL)**1001 Beginning Italian I**

(Student Option;)

- 18214 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 104, Partially Online; Meets With: 001 ITAL 4001; Monica Barbieri ; 5 cr.
- 18215 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 120, Partially Online; Meets With: 002 ITAL 4001; Monica Barbieri ; 5 cr.
- 18434 003 DIS, 11:15-12:05 MTWTh, Folwell Hall 105, Partially Online; Meets With: 003 ITAL 4001; Cristina Cocchi ; 5 cr.
- 18442 004 DIS, 14:30-16:25 TTh, Folwell Hall 3, Partially Online; Meets With: 004 ITAL 4001; Cristina Cocchi ; 5 cr.

1002 Beginning Italian II

- (Student Option; Prereq: 1001 or instr consent)
18783 001 DIS, 13:25-14:15 MTWTh, Folwell Hall 123, Partially Online; Meets With: 001 ITAL 4002; Cristina Cocchi ; 5 cr.

1003 Intermediate Italian I

- (Student Option;)
18293 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 122, Partially Online; Meets With: 001 ITAL 4003; Kathleen Rider ; 5 cr.
- 18294 002 DIS, 12:20-13:10 MTWTh, Folwell Hall 122, Partially Online; Meets With: 002 ITAL 4003; 5 cr.

1004 Intermediate Italian II

- (Student Option; Prereq: ITAL 1003)
18720 001 DIS, 11:15-12:05 MTWTh, Folwell Hall 123, Partially Online; Meets With: 001 ITAL 4004; Monica Barbieri ; 5 cr.

1837 Imaging Italy: Italian and Italian-American Culture, History, and Society through Film

- (Student Option; AH,GP)
20756 001 LEC, 16:00-17:15 W, Twin Cities Remote, 16:00-18:00 M, Twin Cities Remote, Completely Online; Meets With: 001 ITAL 3837; Susanna Ferlito ; 4 cr.

1912 Rome at the Movies from Fascism to Netflix

- (A-F Only;)
33925 001 DIS, 11:15-12:30 Th, Peik Hall 28, 11:15-13:10 T, Bruininks Hall 119, In Person Term Based; Lorenzo Fabbri ; 3 cr.

3015 Reading, Conversation, and Composition

- (Student Option; Prereq: 1004)
18967 001 DIS, Completely Online; Carlotta Dradi ; 4 cr.

3459W Senior Project

- (Student Option; Prereq: completion of pre-requisite for major (3015) and eight electives for the sum of 30 creditsWI)
19266 001 IND, Independent/Directed Study; Susanna Ferlito ; 2 cr.

3550 Topics in 19th Century Italy

- (Student Option; Prereq: 3015 or instr consent)
32870 001 LEC, 14:30-15:45 MW, 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)
20913 001 LEC, 16:00-17:15 W, Twin Cities Remote, 16:00-18:00 M, 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)
20294 002 DIS, 10:10-11:00 MTWTh, Folwell Hall 120, Partially Online; Meets With: 002 ITAL 1001; Monica Barbieri ; 5 cr.
- 21036 001 DIS, 09:05-09:55 MTWTh, Folwell Hall 104, Partially Online; Meets With: 001 ITAL 1001; Monica Barbieri ; 5 cr.
- 21037 003 DIS, 11:15-12:05 MTWTh, Folwell Hall 105, Partially Online; Meets With: 003 ITAL 1001; Cristina Cocchi ; 5 cr.
- 21038 004 DIS, 14:30-16:25 TTh, Folwell Hall 3, Partially Online; Meets With: 004 ITAL 1001; Cristina Cocchi ; 5 cr.

4002 Beginning Italian for Graduate Research II

- (Student Option; Prereq: instr consent)
20242 001 DIS, 13:25-14:15 MTWTh, Folwell Hall 123, Partially Online; Meets With: 001 ITAL 1002; Cristina Cocchi ; 5 cr.

4003 Intermediate Italian for Graduate Research I

- (Student Option; Prereq: instr consent)
19958 002 DIS, 12:20-13:10 MTWTh, Folwell Hall 122, Partially Online; Meets With: 002 ITAL 1003; 5 cr.
- 20111 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 122, Partially Online; Meets With: 001 ITAL 1003; Kathleen Rider ; 5 cr.

4004 Intermediate Italian for Graduate Research II

- (Student Option;)
20071 001 DIS, 11:15-12:05 MTWTh, Folwell Hall 123, Partially Online; Meets With: 001 ITAL 1004; Monica Barbieri ; 5 cr.

4993 Directed Study

- (Student Option; Prereq: instr consent)
18211 001 IND, In Person Term Based; 1-4 cr.

5970 Directed Readings

- (Student Option; Prereq: instr consent)
18212 001 IND, In Person Term Based; 1-4 cr.

Japanese (JPN)**1011 Beginning Japanese I**

- (Student Option No Audit;)
19986 001 LEC, 09:05-09:55 MTWThF, Folwell Hall 8, In Person Term Based; Meets With: 001 JPN 4001; Masanori Shiomi ; 5 cr.
- 19987 002 LEC, 09:05-11:25 MW, Amundson Hall 162, In Person Term Based; Meets With: 002 JPN 4001; Fumiko Matsumoto ; 5 cr.
- 19988 003 LEC, 10:10-11:00 MTWThF, Peik Hall 315, In Person Term Based; Meets With: 003 JPN 4001; Nicolas Audet ; 5 cr.
- 19989 004 LEC, 11:15-12:05 MTWThF, Folwell Hall 32, In Person Term Based; Meets With: 004 JPN 4001; Keiko Kawakami ; 5 cr.
- 19990 005 LEC, 11:15-12:05 MTWThF, Folwell Hall 8, In Person Term Based; Meets With: 005 JPN 4001; Masanori Shiomi ; 5 cr.
- 19991 006 LEC, 12:20-13:10 MTWThF, Folwell Hall 8, In Person Term Based; Meets With: 006 JPN 4001; Masanori Shiomi ; 5 cr.
- 19992 007 LEC, 13:25-14:15 MTWThF, Nicholson Hall 110, In Person Term Based; Meets With: 007 JPN 4001; Marnie Jorenby ; 5 cr.
- 19993 008 LEC, 13:25-15:45 TTh, Peik Gymnasium G55, In Person Term Based; Meets With: 008 JPN 4001; Fumiko Matsumoto ; 5 cr.
- 19994 050 LEC, 16:40-19:00 TTh, Twin Cities Remote, Completely Online; Meets With: 050 JPN 4001; Marnie Jorenby ; 5 cr.
- 20781 009 LEC, 14:30-15:20 MTWThF, Folwell Hall 32, In Person Term Based; Meets With: 009 JPN 4001; Marnie Jorenby ; 5 cr.

3021 Intermediate Japanese I

- (Student Option No Audit; Prereq: 1012 or instr consent)
18352 001 LEC, 10:10-11:00 MTWThF, Kolthoff Hall 134, In Person Term Based; Meets With: 001 JPN 4003; Ayumi Mita ; 5 cr.
- 18354 002 LEC, 11:15-12:05 MTWThF, Kolthoff Hall 134, In Person Term Based; Meets With: 002 JPN 4003; Ayumi Mita ; 5 cr.
- 18355 003 LEC, 12:20-13:10 MTWThF, Folwell Hall 105, In Person Term Based; Meets With: 003 JPN 4003; Kenichi Tazawa ; 5 cr.
- 19305 004 LEC, 13:25-14:15 MTWThF, Amundson Hall 120, In Person Term Based; Meets With: 004 JPN 4003; Kenichi Tazawa ; 5 cr.
- 19886 050 LEC, 16:40-19:00 MW, Twin Cities Remote, Completely Online; Meets With: 050 JPN 4003; Kenichi Tazawa ; 5 cr.

3031 Third Year Japanese I

- (Student Option No Audit; Prereq: 3022 or instr consent)
18356 002 LEC, 14:30-16:25 TTh, Folwell Hall 6, In Person Term Based; Meets With: 002 JPN 4005; Keiko Kawakami ; 4 cr.
- 19362 001 LEC, 13:25-14:15 MTWTh, Scott Hall 4, In Person Term Based; Meets With: 001 JPN 4005; Keiko Kawakami ; 4 cr.

4001 Beginning Japanese I for Graduate Student Research

(Student Option No Audit;)

- 19995 001 LEC, 09:05-09:55 MTWThF, Folwell Hall 8, In Person Term Based; Meets With: 001 JPN 1011; Masanori Shiomi ; 5 cr.
- 19996 002 LEC, 09:05-11:25 MW, Amundson Hall 162, In Person Term Based; Meets With: 002 JPN 1011; Fumiko Matsumoto ; 5 cr.
- 19997 003 LEC, 10:10-11:00 MTWThF, Peik Hall 315, In Person Term Based; Meets With: 003 JPN 1011; Nicolas Audet ; 5 cr.
- 19998 004 LEC, 11:15-12:05 MTWThF, Folwell Hall 32, In Person Term Based; Meets With: 004 JPN 1011; Keiko Kawakami ; 5 cr.
- 19999 005 LEC, 11:15-12:05 MTWThF, Folwell Hall 8, In Person Term Based; Meets With: 005 JPN 1011; Masanori Shiomi ; 5 cr.
- 20000 006 LEC, 12:20-13:10 MTWThF, Folwell Hall 8, In Person Term Based; Meets With: 006 JPN 1011; Masanori Shiomi ; 5 cr.
- 20001 007 LEC, 13:25-14:15 MTWThF, Nicholson Hall 110, In Person Term Based; Meets With: 007 JPN 1011; Marnie Jorenby ; 5 cr.
- 20002 008 LEC, 13:25-15:45 TTh, Peik Gymnasium G55, In Person Term Based; Meets With: 008 JPN 1011; Fumiko Matsumoto ; 5 cr.
- 20003 050 LEC, 16:40-19:00 TTh, Twin Cities Remote, Completely Online; Meets With: 050 JPN 1011; Marnie Jorenby ; 5 cr.
- 20787 009 LEC, 14:30-15:20 MTWThF, Folwell Hall 32, In Person Term Based; Meets With: 009 JPN 1011; Marnie Jorenby ; 5 cr.

4003 Intermediate Japanese I for Graduate Student Research

- (Student Option No Audit; Prereq: 4002)
18802 001 LEC, 10:10-11:00 MTWThF, Kolthoff Hall 134, In Person Term Based; Meets With: 001 JPN 3021; Ayumi Mita ; 5 cr.
- 18803 002 LEC, 11:15-12:05 MTWThF, Kolthoff Hall 134, In Person Term Based; Meets With: 002 JPN 3021; Ayumi Mita ; 5 cr.
- 18804 003 LEC, 12:20-13:10 MTWThF, Folwell Hall 105, In Person Term Based; Meets With: 003 JPN 3021; Kenichi Tazawa ; 5 cr.
- 19348 004 LEC, 13:25-14:15 MTWThF, Amundson Hall 120, In Person Term Based; Meets With: 004 JPN 3021; Kenichi Tazawa ; 5 cr.
- 19887 050 LEC, 16:40-19:00 MW, Twin Cities Remote, Completely Online; Meets With: 050 JPN 3021; Kenichi Tazawa ; 5 cr.

4005 Third Year Japanese I for Graduate Student Research

- (Student Option No Audit; Prereq: 4004)
19013 001 LEC, 13:25-14:15 MTWTh, Scott Hall 4, In Person Term Based; Meets With: 001 JPN 3031; Keiko Kawakami ; 4 cr.
- 19363 002 LEC, 14:30-16:25 TTh, Folwell Hall 6, In Person Term Based; Meets With: 002 JPN 3031; Keiko Kawakami ; 4 cr.

4041 Advanced Japanese Conversation and Composition I

- (Student Option; Prereq: 3032 or instr consent)
20752 001 LEC, 12:20-14:15 MW, Folwell Hall 119, In Person Term Based; Ayumi Mita ; 4 cr.

Jewish Studies (JWST)**1034 Introduction to Jewish History and Cultures**

- (Student Option: HIS)
19721 001 DIS, 13:00-14:15 TTh, Anderson Hall 370, In Person Term Based; Meets With: 001 JWST 3034001 RELS 1034001 HIST 3534001 RELS 3034001 HIST 1534; Natan Paradise ; 3 cr.

1201 The Bible: Context and Interpretation, World of the Hebrew Bible

- (Student Option; Prereq: Knowledge of Hebrew not requiredLITR)
19439 001 LEC, 11:15-12:30 TTh, Nicholson Hall 155, In Person Term Based; Hanne Levinson ; 3 cr.

3013W Biblical Law and Jewish Ethics

- (Student Option; Prerequisites: the course is open to all qualified students. The course begins with ideas of law in ancient Babylon and then studies the ongoing history of those ideas. The biblical idea that a covenant binds Israel to God, along with its implications for human worth - including the view of woman as person - will be examined. Comparative cultural issues include

the reinterpretations of covenant within Christianity and Islam. The course investigates the rabbinic concept of oral law, the use of law to maintain the civil and religious stability of the Jewish people, and the kabbalistic transformation of law. The course concludes with contemporary Jewish thinkers who return to the Bible while seeking to establish a modern system of universal ethics. The premise of the course is the discipline of academic religious studies. The assumptions of the course are therefore academic and secular, as required by the First Amendment. All texts and all religious traditions will be examined analytically and critically. Students are expected to understand and master this approach, which includes questioning conventional cultural assumptions about the composition and authorship of the Bible. Willingness to ask such questions and openness to new ways of thinking are essential to success in the course.WI)

33934 001 LEC, 14:30-15:45 TTh, Nicholson Hall 325, In Person Term Based; Meets With: 001 LAW 6916001 CNRC 5016W001 CNRC 3016W001 RELS 5013W001 RELS 3013W001 JWST 5013W; Bernard Levinson ; 3 cr.

3034 Introduction to Jewish History and Cultures

(Student Option; HIS)

19722 001 DIS, 13:00-14:15 TTh, Anderson Hall 370, In Person Term Based; Meets With: 001 HIST 1534001 JWST 1034001 RELS 1034001 HIST 3534001 RELS 3034; Natan Paradise ; 3 cr.

3201 The Bible: Context and Interpretation, World of the Hebrew Bible

(Student Option; Prereq: Knowledge of Hebrew not requiredLITR)

19440 001 LEC, 11:15-12:30 TTh, Nicholson Hall 155, In Person Term Based; Hanne Levinson ; 3 cr.

3512 History of Modern Israel/Palestine: Society, Culture, and Politics

(Student Option; GP)

34066 001 LEC, 14:30-15:45 TTh, Blegen Hall 150, In Person Term Based; Meets With: 001 HIST 3512001 RELS 3113; Noam Sienna ; 3 cr.

3606 Christians, Muslims, and Jews in the Middle Ages

(Student Option; GP,HIS)

21756 001 LEC, 13:00-14:15 MW, Blegen Hall 150, In Person Term Based; Meets With: 001 MEST 3606001 HIST 3606001 RELS 3717; Michael Lower ; 3 cr.

3896 Jewish Studies Internship for Academic Credit

(Student Option;)

21153 001 IND, In Person Term Based; Natan Paradise ; 1-4 cr.

3993 Directed Study

(A-F only; Prereq: instr consent)

20961 001 IND, In Person Term Based; Natan Paradise ; 1-4 cr.

4000W Final Project, Writing Intensive

(A-F or Audit; Prereq: JwSt major, permission of dir of undergrad studiesWI)

18848 001 IND, In Person Term Based; 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)

18351 001 IND, In Person Term Based; Natan Paradise ; 1 cr.

5013W Biblical Law and Jewish Ethics

(Student Option; Prerequisites: the course is open to all qualified students. The course begins with ideas of law in ancient Babylon and then studies the ongoing history of those ideas. The biblical idea that a covenant binds Israel to God, along with its implications for human worth - including the view of woman as person - will be examined. Comparative cultural issues include the reinterpretations of covenant within Christianity and Islam. The course investigates the rabbinic concept of oral law, the use of law to maintain the civil and religious stability of the Jewish people, and the kabbalistic transformation of law. The course concludes with contemporary Jewish thinkers who return to the Bible while seeking to establish a modern system of universal ethics. The premise of the course

is the discipline of academic religious studies. The assumptions of the course are therefore academic and secular, as required by the First Amendment. All texts and all religious traditions will be examined analytically and critically. Students are expected to understand and master this approach, which includes questioning conventional cultural assumptions about the composition and authorship of the Bible. Willingness to ask such questions and openness to new ways of thinking are essential to success in the course.WI)

33935 001 LEC, 14:30-15:45 TTh, Nicholson Hall 325, In Person Term Based; Meets With: 001 RELS 5013W001 JWST 3013W001 CNRC 5016W001 CNRC 3016W001 RELS 3013W001 LAW 6916; Bernard Levinson ; 3 cr.

Journalism & Mass Communication (JOUR)

1001 Media in a Changing World

(Student Option; SOCS,TS)

17796 001 LEC, 09:45-11:00 TTh, Bruininks Hall 220, In Person Term Based; Christopher Terry ; 3 cr.
18459 003 LEC, Completely Online; Scott Memmel ; 3 cr.
19693 002 LEC, 13:00-14:15 TTh, 10 Church Street SE 100, In Person Term Based; Scott Libin ; 3 cr.

1001H Media in a Changing World

(A-F or Audit; SOCS,TS)

19330 001 LEC, 09:45-11:00 MW, Bruininks Hall 144, In Person Term Based; Scott Memmel ; 3 cr.

1501 Digital Games and Society

(Student Option; AH,TS)

20152 001 LEC, Completely Online; Allison Steinke ; 3 cr.

3004 Information for Mass Communication

(A-F only; Prereq: Jour major, Strat Comm major, Mass Comm major or Mass Comm minor or approved BIS/IDIM/ICP program)

17797 001 LEC, 09:05-09:55 MW, Murphy Hall 130, Partially Online; Susan LoRusso ; 3 cr.
19699 002 LEC, 10:10-11:00 MW, Murphy Hall 130, Partially Online; Haseon Park ; 3 cr.

3004H Information for Mass Communication

(Student Option; SOCS)

(A-F only; Prereq: Honors [Jour major, Strat Comm major, Mass Comm major or Mass Comm minor or approved BIS/IDIM/ICP program])

32883 001 LEC, 09:05-09:55 MW, Murphy Hall 25, Partially Online; Haseon Park ; 3 cr.

3005 Media Effects

(Student Option; SOCS)

19203 001 LEC, 13:00-14:15 MW, Nicholson Hall 35, In Person Term Based; Rebekah Nagler ; 3 cr.

3006 Visual Communication

(Student Option;)

18837 001 LEC, 13:00-14:15 MW, Murphy Hall 130, In Person Term Based; Diane Cormany ; 3 cr.

3007 The Media in American History and Law: Case Studies

(Student Option; HIS)

32884 001 LEC, 13:00-14:15 TTh, Murphy Hall 214, In Person Term Based; Sid Bedingfield ; 3 cr.

3101W News Reporting and Writing

(A-F only; Prereq: [Jour 3004 or 3004H or concurrent registration], [Jour major, Mass Comm major or approved BIS/IDIM/ICP program]WI)

21692 001 LAB, 15:35-17:30 MW, Johnston Hall B16, In Person Term Based; Seth Richardson ; 3 cr.
21693 002 LAB, 11:15-13:10 TTh, Johnston Hall B16, In Person Term Based; Gayle Golden ; 3 cr.
21694 003 LAB, 13:25-15:20 TTh, Johnston Hall B16, In Person Term Based; Seth Richardson ; 3 cr.

3102 Multimedia Production and Storytelling

(A-F only; Prereq: [Jour 3004 or 3004H or concurrent registration], [Jour 3101 or concurrent registration or Jour 3279 or concurrent registration or Jour 3241 or concurrent registration], [Jour major, Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])

21695 002 LAB, 08:00-09:55 TTh, Murphy Hall 15, In Person Term Based; Aaron Lavinsky ; 3 cr.

21696 001 LAB, 10:10-12:05 MW, Murphy Hall 15, In Person Term Based; Regina McCombs ; 3 cr.

21697 003 LAB, 15:35-17:30 TTh, Murphy Hall 15, In Person Term Based; William Middeke ; 3 cr.

3103 Interactive and Data Journalism

(A-F only; Prereq: [Jour 3004 or 3004H], Jour 3101, [Jour major, Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])

21931 001 LEC, 08:15-09:30 TTh, Johnston Hall B16, In Person Term Based; Thomas Scheck ; 3 cr.

3121 Intermediate News Reporting

(A-F only; Prereq: [Jour 3004 or 3004H], Jour 3101, [Jour major, Mass Comm major or approved BIS/IDIM/ICP program])

18738 001 LEC, 13:00-14:15 MW, Murphy Hall 25, In Person Term Based; Seth Richardson ; 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)

19868 001 LEC, 14:30-15:45 TTh, Murphy Hall 228, In Person Term Based; 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, Mass Comm major or Mass Comm minor or approved BIS/IDIM/ICP program])

18639 002 LEC, 11:15-12:30 TTh, Murphy Hall 130, In Person Term Based; Hyejoon Rim ; 3 cr.
19703 001 LEC, 11:15-12:30 MW, Murphy Hall 130, In Person Term Based; Amy O'Connor ; 3 cr.

3241W Advertising Strategy and Creative Development

(A-F only; Prereq: [Jour 3004W or 3004V], Jour 3201, [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program]WI)

17798 001 LEC, 11:15-12:30 MW, Murphy Hall 228, In Person Term Based; Mark Jensen ; 3 cr.
18403 002 LEC, 08:15-09:30 TTh, Murphy Hall 214, In Person Term Based; Erik Kv7lseth ; 3 cr.
20008 003 LEC, 09:45-11:00 TTh, Murphy Hall 228, In Person Term Based; Jennifer Johnson ; 3 cr.
21055 004 LEC, 13:00-14:15 TTh, Murphy Hall 228, In Person Term Based; Jennifer Johnson ; 3 cr.

3251 Strategic Communication Research and Analytics

(A-F only; Prereq: [Jour 3004 or 3004H], Jour 3201, [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])

18404 001 LEC, 13:00-14:15 W, Murphy Hall 214, Partially Online; Adam Saffer ; 3 cr.
21056 002 LEC, 13:00-14:15 TTh, Twin Cities Remote, Completely Online; Yan Qu ; 3 cr.

3253 Account Planning

(A-F only; Prereq: [Jour 3004W or 3004V], Jour 3201, [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])

19869 001 LEC, 11:15-12:30 TTh, Bruininks Hall 114, In Person Term Based; Mark Jensen ; 3 cr.

3261 Media Planning

(A-F only; Prereq: [Jour 3004W or 3004V], Jour 3201, [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])

17800 001 LEC, 16:00-17:15 MW, Murphy Hall 214, In Person Term Based; Luis Garrido ; 3 cr.

3275 Digital Strategy in Strategic Communication

(A-F only; Prereq: [Jour 3004W or 3004V], Jour 3201, [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])

19870 002 LEC, 14:30-15:45 TTh, Nicholson Hall 115, In Person Term Based; Alvin Zhou ; 3 cr.
21860 001 LEC, 11:15-12:30 TTh, Campbell Hall 1, In Person Term Based; Alvin Zhou ; 3 cr.

3279W Professional Writing for Strategic Communication

(A-F only; Prereq: [Jour 3004W or 3004V], Jour 3201, [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program]WI)

18973 003 LEC, 14:30-15:45 TTh, Ford Hall 170, In Person Term Based; Donald Allen ; 3 cr.

19700 002 LEC, 09:45-11:00 TTh, Johnston Hall B16, In Person Term Based; Donald Allen ; 3 cr.
20748 001 LEC, 09:45-11:00 MW, Johnston Hall B16, In Person Term Based; Donald Allen ; 3 cr.

3321 Media Design

(A-F only; Prereq: [Jour 3004 or 3004H or concurrent registration], [Jour major, Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])
21699 001 LAB, 08:00-09:55 MW, Murphy Hall 15, In Person Term Based; Susan Andre ; 3 cr.
21700 002 LAB, 11:15-13:10 TTh, Murphy Hall 15, In Person Term Based; Jeanne Schacht ; 3 cr.
21701 003 LAB, Completely Online; Sara Quinn ; 3 cr.
21702 004 LAB, 13:25-15:20 TTh, Murphy Hall 15, In Person Term Based; 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, Mass Comm major or approved BIS/IDIM/ICP program])
18741 001 LAB, 09:05-11:00 MW, Lab TBA, In Person Term Based; Scott Libin ; 3 cr.

3551 The Business of Digital Media: Innovation, Disruption, and Adaptation (Student Option; TS)

20754 001 LEC, 09:45-11:00 MW, Murphy Hall 214, In Person Term Based; Diane Cormany ; 3 cr.

3614 History of Media Communication

(Student Option; HIS,TS)
21703 001 LEC, 16:00-17:15 TTh, Murphy Hall 214, In Person Term Based; Sid Bedingfield ; 3 cr.

3741 Diversity and Media

(Student Option; DSJ)
19701 001 LEC, 09:45-11:00 MW, Twin Cities Remote, Completely Online; Danielle Brown ; 3 cr.

3745 Media and Popular Culture

(Student Option; AH,DSJ)
18494 001 LEC, 14:30-15:45 MW, Murphy Hall 130, In Person Term Based; Diane Cormany ; 3 cr.
20769 002 LEC, Completely Online; Ruth DeFoster ; 3 cr.

3751 Digital Media and Culture

(Student Option; AH,TS)
19890 001 LEC, Completely Online; Allison Steinke ; 3 cr.

3771 Media Ethics

(Student Option; CIV)
17804 001 LEC, 11:15-12:30 MW, Murphy Hall 214, In Person Term Based; Jonathan Anderson ; 3 cr.

3776 Media Law

(A-F only;)
17799 001 LEC, 09:45-11:00 TTh, Murphy Hall 130, In Person Term Based; Meets With: 001 JOUR 3776H; Jane Kirtley ; 3 cr.

3776H Media Law

(A-F only; Prereq: Honors)
20153 001 LEC, 09:45-11:00 TTh, Murphy Hall 130, In Person Term Based; Meets With: 001 JOUR 3776; Jane Kirtley ; 3 cr.

3786 Media and Politics

(Student Option;)
18392 001 LEC, 11:15-12:30 MW, Hubert H. Humphrey School 50B, In Person Term Based; Meets With: 001 POL 3786; Emily Vraga ; 3 cr.

3896 Directed Internship

(S-N only; Prereq: Jour major, dept consent)
19033 002 FWK, 00:00-00:00 , , In Person Term Based; Hyejeon Rim ; 1 cr.
19034 003 FWK, 00:00-00:00 , , In Person Term Based; Gayle Golden ; 1 cr.
19746 004 FWK, 00:00-00:00 , , In Person Term Based; Scott Libin ; 1 cr.
22023 005 FWK, In Person Term Based; Jennifer Johnson ; 1 cr.

4171 Covering the Arts

(A-F only; Prereq: [Jour 3004 or 3004H], Jour 3101, [Jour major, Mass Comm major or approved BIS/IDIM/ICP program])
21932 002 LEC, 08:15-09:30 TTh, Murphy Hall 228, In Person Term Based; Dominic Papatola ; 3 cr.

4173 Podcast Production and Storytelling

(A-F only; Prereq: [Jour 3004 or 3004H], Jour 3101, Jour 3102, [Jour major, Mass Comm major or approved BIS/IDIM/ICP program])

21706 001 LAB, 13:00-14:15 TTh, Murphy Hall 25, In Person Term Based; Sarah Lemanczyk ; 3 cr.

4242 Advertising Portfolio Development

(A-F only; Prereq: [Jour 3004W or 3004V], Jour 3201, Jour 3241, [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])
19143 001 LEC, 09:45-11:00 MW, Murphy Hall 228, In Person Term Based; 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, Mass Comm major or approved BIS/IDIM/ICP program])
21707 001 LAB, 13:00-14:55 MW, Johnston Hall B16, In Person Term Based; Allison Steinke ; 3 cr.
33097 002 LAB, 16:00-17:55 TTh, Johnston Hall B16, In Person Term Based; Christopher Havens ; 3 cr.

4251 Psychology of Advertising

(Student Option;)
19911 001 LEC, 13:00-14:15 TTh, Murphy Hall 130, In Person Term Based; Claire Segjin ; 3 cr.
33216 002 LEC, 14:30-15:45 TTh, Murphy Hall 130, In Person Term Based; Jisu Huh ; 3 cr.

4258 Corporate Social Responsibility Communication

(A-F only;)
32903 001 LEC, 14:30-15:45 TTh, Murphy Hall 214, In Person Term Based; Hyejeon Rim ; 3 cr.

4259 Strategic Communication Case Analysis

(A-F only; Prereq: [Jour 3004 or 3004H], Jour 3201, any 32xx skills course, [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])
19702 001 LEC, 08:15-09:30 MW, Murphy Hall 214, In Person Term Based; Amy O'Connor ; 3 cr.

4262 Management for Strategic Communication

(A-F only; Prereq: [Jour 3004 or 3004H], Jour 3201, any 32xx skills course, [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])
19871 001 LEC, 14:30-15:45 MW, Murphy Hall 214, In Person Term Based; Richard McCracken ; 3 cr.
21708 002 LEC, 16:00-17:15 TTh, Murphy Hall 228, In Person Term Based; 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 or Flor 3007 or concurrent registration], [Strat Comm major, Mass Comm major or approved BIS/IDIM/ICP program])
17801 001 LAB, 14:30-16:25 MW, Murphy Hall 228, In Person Term Based; Mark Jensen ; 3 cr.
17802 002 LAB, 10:10-12:05 TTh, Murphy Hall 25, In Person Term Based; Richard McCracken ; 3 cr.
19277 003 LAB, 15:35-17:30 TTh, Folwell Hall 104, In Person Term Based; Yan Qu ; 3 cr.

4272 Digital Advertising: Theory and Practice

(A-F or Audit;)
33222 001 LEC, 09:45-11:00 TTh, Murphy Hall 214, In Person Term Based; Jisu Huh ; 3 cr.

4274W Advertising in Society

(Student Option; WI)
18413 001 LEC, 16:00-17:15 MW, Murphy Hall 130, In Person Term Based; Ruth DeFoster ; 3 cr.

4302 Photojournalism

(A-F or Audit; Prereq: [Jour 3004 or 3004H], Jour 3101, Jour 3102, [Jour major, Mass Comm major or approved BIS/IDIM/ICP program])
18851 001 LEC, 14:30-15:45 MW, Murphy Hall 15, In Person Term Based; Regina McCombs ; 3 cr.

4733V Honors Thesis Seminar

(A-F only; Prereq: Honors, [Jour major, Strat Comm major, Mass Comm major, or Media and Information major]WI)
19430 001 LEC, 11:15-12:30 MW, Murphy Hall 25, In Person Term Based; Adam Saffer ; 3 cr.

4790 Special Topics in Strategic Communication Skills - Execution

(A-F only; Prerequisites specified in Class Schedule. ? Students must be Strategic Communication majors and meet the prerequisites for the specific course offering.)

33673 001 LEC, 11:15-12:30 TTh, Murphy Hall 228, In Person Term Based; Christopher Terry ; 3 cr.

4999 Capstone

(S-N only;)
21957 001 LEC, Completely Online; Susan LoRusso ; 1 cr.
21958 002 LEC, Completely Online; Scott Memmel ; 1 cr.
34800 004 LEC, Completely Online; Elaine Hargrove ; 1 cr.

5131 In-Depth Reporting

(A-F only; Prereq: [Jour 3004 or 3004H], Jour 3101, Jour 3121, [Jour major, Mass Comm major or approved BIS/IDIM/ICP program])
20974 001 LEC, 08:15-09:30 MW, Murphy Hall 228, In Person Term Based; Andrew Mannix ; 3 cr.

5196 Field Based Practicum

(A-F only; Prereq: Jour major and instructor permission)
21709 001 LAB, 10:00-12:30 F, Twin Cities Remote, Completely Online; Gayle Golden ; 3 cr.

5253 Content Strategy and Development (Student Option; Prereq: Strategic Communication MA student or instructor permission)

21710 001 LEC, 17:30-20:00 M, Murphy Hall 214, Partially Online; Richard McCracken ; 3 cr.

5501 Communication, Public Opinion, and Social Media

(Student Option;)
33223 001 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Benjamin Toff ; 3 cr.

5541 Mass Communication and Public Health

(Student Option;)
19903 001 LEC, 11:15-12:30 TTh, Murphy Hall 214, In Person Term Based; Meets With: 001 PUBH 6074; Marco Yzer ; 3 cr.

5601W History of Journalism

(Student Option; WI)
21057 001 LEC, 14:30-15:45 MW, Vincent Hall 6, In Person Term Based; Scott Memmel ; 3 cr.

5725 Management of Media Organizations

(Student Option;)
21711 001 LEC, 16:45-18:00 MW, Murphy Hall 228, In Person Term Based; Danford Zirugo ; 3 cr.

5777 Contemporary Problems in Freedom of Speech and Press

(A-F only; Prereq: Jour major, Strat Comm major, Mass Comm major or Mass Comm minor or approved BIS/IDIM/ICP program or graduate or law student status. Course is open to students have previously taken a relevant law course - contact instructor for permission.)
18966 001 LEC, 13:00-14:15 TTh, Mondale Hall 15, In Person Term Based; Meets With: 001 LAW 6030; Jane Kirtley ; 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)
18792 001 IND, In Person Term Based; 1-3 cr.
18793 002 IND, 00:00-00:00 , , In Person Term Based; Jisu Huh ; 1-3 cr.
18794 003 IND, 00:00-00:00 , , In Person Term Based; Jane Kirtley ; 1-3 cr.
18795 004 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.
18796 005 IND, In Person Term Based; 1-3 cr.

21341 006 IND, In Person Term Based; ; 1-3 cr.

Kenya (KNYA)**Kinesiology (KIN)****1871 Survey of Kinesiology, Recreation, and Sport****(A-F or Audit;)**
16302 001 LEC, 08:15-09:30 TTh, Tate Hall B50, In Person Term Based; Chelsey Thul ; 3 cr.**1904 An Olympic Impact on the World****(A-F only; GP)**
33338 001 LEC, 09:45-11:00 MW, Civil Engineering Bldg 213, In Person Term Based; Donald Dengel ; 3 cr.**3001 Lifetime Health and Wellness****(A-F or Audit; SOCS)**
16456 001 LEC, 09:45-11:00 TTh, Armory Building 116, In Person Term Based; Andrea Silva ; 3 cr.
16693 002 LEC, 11:15-12:30 TTh, Akerman Hall 319, In Person Term Based; Michael Urvig ; 3 cr.
17312 003 LEC, 13:00-14:15 TTh, Mayo Bldg & Additions 3-100, In Person Term Based; Stephanie Grace ; 3 cr.**3027 Human Anatomy for Kinesiology, Physical Activity, and Health Promotion****(A-F or Audit;)**
16816 002 LAB, 12:20-14:10 M, Mariucci Arena 141, In Person Term Based; Otto Sanchez ; 4 cr.
16817 003 LAB, 14:30-16:20 M, Mariucci Arena 141, In Person Term Based; Otto Sanchez ; 4 cr.
16818 001 LEC, 11:15-12:05 MW, Nicholson Hall 275, In Person Term Based; Otto Sanchez ; 4 cr.
16838 004 LAB, 12:20-14:10 W, Mariucci Arena 141, In Person Term Based; Otto Sanchez ; 4 cr.
16962 005 LAB, 14:30-16:20 W, Mariucci Arena 141, In Person Term Based; Otto Sanchez ; 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)**
16303 001 LEC, 09:05-11:00 T, Smith Hall 231, In Person Term Based; Juergen Konczak ; 4 cr.
16386 002 LAB, 08:15-09:55 Th, Cooke Hall 20, In Person Term Based; 4 cr.
16387 003 LAB, 10:10-11:50 Th, Cooke Hall 20, In Person Term Based; 4 cr.
16388 004 LAB, 12:05-13:45 Th, Cooke Hall 20, In Person Term Based; 4 cr.
16875 006 LAB, 16:00-17:40 Th, Cooke Hall 20, In Person Term Based; 4 cr.
17376 007 LAB, 18:00-19:40 Th, Cooke Hall 20, In Person Term Based; 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])**
16301 001 LEC, 09:45-11:00 MW, Akerman Hall 215, In Person Term Based; Bridget Sturch ; 3 cr.
17378 002 LEC, 11:15-12:30 MW, Burton Hall 120, In Person Term Based; Debbie Dalsin ; 3 cr.
34027 003 LEC, 09:45-11:00 TTh, Williams Arena/Maturi Pav P122, In Person Term Based; Ronni Beatty-Kollasch ; 3 cr.**3126W Sport and Exercise Psychology****(A-F or Audit; Prereq: Kin major or instr consentWI)**
16445 001 LEC, 09:05-09:55 MW, Cooke Hall 206, In Person Term Based; Chelsey Thul ; 3 cr.
16697 003 DIS, 09:05-09:55 F, Cooke Hall 206, In Person Term Based; 3 cr.
16880 004 DIS, 10:10-11:00 F, Cooke Hall 206, In Person Term Based; 3 cr.
16881 005 LEC, 10:10-11:00 MW, Cooke Hall 206, In Person Term Based; Chelsey Thul ; 3 cr.
16882 006 DIS, 11:15-12:05 F, Cooke Hall 206, In Person Term Based; 3 cr.
17318 007 DIS, 12:20-13:10 F, Cooke Hall 206, In Person Term Based; 3 cr.
17319 008 DIS, 13:25-14:15 F, Cooke Hall 206, In Person Term Based; 3 cr.**3131W History and Philosophy of Sport****(A-F or Audit; Prereq: Kin major or instr consentWI)**
17320 001 LEC, 14:30-15:45 TTh, Nicholson Hall 35, In Person Term Based; Dunja Antunovic ; 3 cr.**3132 Introduction to Motor Development Across the Lifespan****(A-F only; Prereq: Kin major or instr consent)**
16813 001 LEC, 13:00-14:15 TTh, Bruininks Hall 412, In Person Term Based; Ruth Rath ; 3 cr.**3135 Introduction to Motor Learning and Control****(A-F or Audit;)**
16704 001 LEC, 09:05-09:55 WF, Rapson Hall 56, In Person Term Based; Rachel Hawe ; 3 cr.
16883 002 LAB, 09:05-09:55 M, Cooke Hall 20, In Person Term Based; 3 cr.
16884 003 LAB, 10:10-11:00 M, Cooke Hall 20, In Person Term Based; 3 cr.
16885 004 LAB, 11:15-12:05 M, Cooke Hall 20, In Person Term Based; 3 cr.
16886 005 LAB, 12:20-13:10 M, Cooke Hall 20, In Person Term Based; 3 cr.
16887 006 LAB, 13:25-14:15 M, Cooke Hall 20, In Person Term Based; 3 cr.**3327 Teaching Physical Education in the Elementary School****(A-F only;)**
16748 001 LEC, 13:25-15:20 T, University Rec Center 320, In Person Term Based; Matt Vollum ; 2 cr.
16812 002 LEC, 13:25-15:20 W, University Rec Center 320, In Person Term Based; 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)**
16322 001 LEC, 11:15-12:30 TTh, Armory Building 116, In Person Term Based; Otto Sanchez ; 4 cr.
16705 002 LAB, 13:25-14:15 T, Mariucci Arena 141, In Person Term Based; Otto Sanchez ; 4 cr.
16706 003 LAB, 14:30-15:20 T, Mariucci Arena 141, In Person Term Based; Otto Sanchez ; 4 cr.
16874 004 LAB, 15:35-16:25 T, Mariucci Arena 141, In Person Term Based; Otto Sanchez ; 4 cr.**3505 Intro to Human-Centered Design****(Student Option;)**
16434 001 LEC, 09:05-11:50 W, Cooke Hall 214, In Person Term Based; Meets With: 001 KIN 5505; Tom Stoffregen ; 3 cr.**3696 Supervised Practical Experience****(S-N only; Prereq: instr consent)**
16888 006 FWK, 00:00-00:00 , In Person Term Based; Colin Rogness ; 1-10 cr.
17536 002 FWK, In Person Term Based; 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)**
17068 001 LEC, 13:00-14:15 MW, Cooke Hall 206, In Person Term Based; Katie Schuver ; 3 cr.
17069 002 LEC, 13:00-14:15 TTh, Cooke Hall 206, In Person Term Based; Wanjiang Zhou ; 3 cr.
17196 004 LEC, 14:30-15:45 MW, Cooke Hall 206, In Person Term Based; Katie Schuver ; 3 cr.
17321 005 LEC, 14:30-15:45 TTh, Cooke Hall 206, In Person Term Based; Kaitlyn Swinney ; 3 cr.**3993 Directed Study in Kinesiology****(A-F only;)**
16306 025 IND, 00:00-00:00 , In Person Term Based; Diane Wiese-Bjornstal ; 1-10 cr.
16446 004 IND, 00:00-00:00 , In Person Term Based; Donald Dengel ; 1-10 cr.
16457 019 IND, 00:00-00:00 , In Person Term Based; Tom Stoffregen ; 1-10 cr.
16476 002 IND, 00:00-00:00 , In Person Term Based; Lisa Kihl ; 1-10 cr.
16708 027 IND, 00:00-00:00 , In Person Term Based; Nicole LaVoi ; 1-10 cr.
16712 008 IND, 00:00-00:00 , In Person Term Based; Juergen Konczak ; 1-10 cr.
16784 029 IND, 00:00-00:00 , In Person Term Based; Beth Lewis ; 1-10 cr.
16918 006 IND, 00:00-00:00 , In Person Term Based; Li Li Ji ; 1-10 cr.
16982 045 IND, 00:00-00:00 , In Person Term Based; Zan Gao ; 1-10 cr.
17101 001 IND, 00:00-00:00 , In Person Term Based; Daheia Barr-Anderson ; 1-10 cr.17150 049 IND, 00:00-00:00 , In Person Term Based; Chelsey Thul ; 1-10 cr.
17186 014 IND, 00:00-00:00 , In Person Term Based; Christopher Lundstrom ; 1-10 cr.
17386 005 IND, In Person Term Based; Sarah Greising ; 1-10 cr.
17417 015 IND, In Person Term Based; Vicki Schull ; 1-10 cr.
17646 050 IND, In Person Term Based; Rachel Hawe ; 1-10 cr.
17647 051 IND, In Person Term Based; Dunja Antunovic ; 1-10 cr.
17651 052 IND, In Person Term Based; Otto Sanchez ; 1-10 cr.
17652 053 IND, In Person Term Based; Andrea Silva ; 1-10 cr.**4001H Honors Seminar in KIN, PAHP, + SMGT****(A-F only; Prerequisites: Honors student and Kinesiology major, PAHP major, or SMGT major)**
16475 001 LEC, 09:05-10:35 Th, Kolthoff Hall 136, In Person Term Based; Dunja Antunovic ; 3 cr.**4134 The Aging Motor System****(A-F only; Prereq: [3132, 3135, Kin major] or instr consent)**
17334 001 LEC, 13:00-14:15 MW, Akerman Hall 215, In Person Term Based; Michael Wade ; 3 cr.**4136 Embodied Cognition****(A-F only; Prereq: 3132 or 3135 or instr consent)**
17441 001 LEC, 11:15-12:30 TTh, Akerman Hall 211, In Person Term Based; Tom Stoffregen ; 3 cr.**4214 Health Promotion****(A-F only;)**
17453 001 LEC, 09:45-11:00 TTh, Cooke Hall 206, In Person Term Based; Stephanie Grace ; 3 cr.
17547 002 LEC, 13:00-14:15 TTh, Akerman Hall 313, In Person Term Based; Michael Urvig ; 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)**
16674 001 LEC, 13:25-14:15 MW, Smith Hall 231, In Person Term Based; Donald Dengel ; 4 cr.
16675 002 LAB, 08:00-09:50 M, Mariucci Arena 141, In Person Term Based; 4 cr.
16676 003 LAB, 10:10-12:00 M, Mariucci Arena 141, In Person Term Based; 4 cr.
16677 004 LAB, 08:00-09:50 W, Mariucci Arena 141, In Person Term Based; 4 cr.
16678 005 LAB, 10:10-12:00 W, Mariucci Arena 141, In Person Term Based; 4 cr.
17079 007 LAB, 10:10-12:00 F, Mariucci Arena 141, In Person Term Based; 4 cr.
17688 006 LAB, 10:00-09:50 F, Mariucci Arena 141, In Person Term Based; Donald Dengel ; 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)**
16781 001 LEC, 13:00-14:15 TTh, Akerman Hall 319, In Person Term Based; Christopher Lundstrom ; 3 cr.**4687 Principles and Theory of Sports Coaching****(A-F only;)**
33769 001 LEC, 11:15-12:30 TTh, Cooke Hall 215, In Person Term Based; Julie Lundquist ; 3 cr.**5001 Foundations of Human Factors/ Ergonomics****(A-F or Audit;)**
16331 001 LEC, 14:30-17:00 W, Civil Engineering Bldg 212, In Person Term Based; Meets With: 001 HUMF 5001; Thomas Smith ; 3 cr.**5104 Physical Activities for Persons with Disabilities****(A-F or Audit;)**
17385 002 LEC, 13:00-14:15 TTh, Akerman Hall 215, In Person Term Based; Rachel Hawe ; 3 cr.**5111 Sports Facilities****(A-F or Audit; Prereq: Kin or Rec grad student or MEd student)**

17511 001 LEC, 17:30-20:00 T, Akerman Hall 227, In Person Term Based; Cody Mikl ; 3 cr.

5122 Applied Exercise Physiology

(A-F or Audit; Prereq: 4385 or equiv or instr consent)
17576 001 LEC, 17:00-19:30 T, Cooke Hall 215, In Person Term Based; Sarah Greising ; 3 cr.

5123 Motivational Interventions in Physical Activity

(A-F only;)
33385 001 LEC, 09:45-11:00 M, Nicholson Hall 110, In Person Term Based; Katie Schuver ; 3 cr.

5136 Psychology of Coaching

(Student Option;)
16694 001 LEC, 11:15-12:30 TTh, Akerman Hall 227, In Person Term Based; Nicole LaVoi ; 3 cr.

5141 Nutrition and Exercise for Health Promotion and Disease Prevention

(A-F only; Prereq: FScN 1112 or equiv)
16263 001 LEC, 14:30-15:45 TTh, Akerman Hall 227, In Person Term Based; Li Li Ji ; 3 cr.

5181 Understanding Kinesiology Research

(A-F only; Prerequisite: introductory statistics)
16788 001 LEC, 16:00-17:15 W, Twin Cities Remote, Completely Online; Katie Schuver ; 3 cr.

5421 Sport Finance

(A-F or Audit; Prereq: Grad student or instr consent)
17158 001 LEC, 09:45-11:00 TTh, Akerman Hall 327, In Person Term Based; Clinton Warren, PhD ; 3 cr.

5461 Issues in the Sport Industry

(A-F only; Prereq: postbac or grad student or instr consent)
17577 001 LEC, 15:00-17:30 M, Cooke Hall 214, In Person Term Based; Lisa Kihl ; 3 cr.

5485 Exercise Testing and Prescription

(A-F only; Prereq: [3385, 4385] or instr consent)
17437 001 LEC, 13:00-14:15 MW, Akerman Hall 211, In Person Term Based; Christopher Lundstrom ; 3 cr.

5505 Human-Centered Design - Principles and Applications

(A-F only;)
17365 001 LEC, 09:05-11:50 W, Cooke Hall 214, In Person Term Based; Meets With: 001 KIN 3505; Tom Stoffregen ; 3 cr.

5511 Sport and Gender

(A-F only;)
17514 001 LEC, 16:00-18:30 W, Akerman Hall 313, In Person Term Based; Vicki Schull ; 3 cr.

5601 Sport Management Ethics and Policy

(A-F or Audit; Prereq: MEd or grad student or instr consent)
17578 001 LEC, 15:00-17:30 T, Mechanical Engineering 25, In Person Term Based; Lisa Kihl ; 3 cr.

5631 Programming and Promotion in Sport

(A-F or Audit; Prereq: Kin or Rec grad student or instr consent)
17579 001 LEC, 13:00-14:15 MW, Cooke Hall 214, In Person Term Based; Clinton Warren, PhD ; 3 cr.

5696 Practicum in Kinesiology

(S-N only; Prereq: [Kin MEd or grad student], instr consent)
16436 002 FWK, 00:00-00:00 , In Person Term Based; Lisa Kihl ; 1-6 cr.
17281 027 FWK, In Person Term Based; Nicole LaVoi ; 1-6 cr.
17395 014 FWK, In Person Term Based; Christopher Lundstrom ; 1-6 cr.
17535 001 FWK, In Person Term Based; Vicki Schull ; 1-6 cr.

5723 Psychology of Sport Injury and Rehabilitation

(A-F only; Prereq: Intro psych course)
16464 001 LEC, 13:00-14:15 TTh, Cooke Hall 215, In Person Term Based; Diane Wiese-Bjornstal ; 3 cr.

5725 Organization and Management of Physical Education and Sport

(A-F only; Prereq: Grad/initial licensure or instr consent)
33384 001 LEC, 14:30-17:00 Th, Folwell Hall 8, In Person Term Based; Landy Lu ; 3 cr.

5801 Legal Aspects of Sport and Physical Activity

(A-F only;)
16370 001 LEC, 17:45-19:00 M, Twin Cities Remote, Completely Online; John Wallace ; 4 cr.

5981 Research Methodology in Kinesiology and Sport Management

(A-F only;)
17159 001 LEC, 13:00-14:15 MW, Akerman Hall 227, In Person Term Based; Daheia Barr-Anderson ; 3 cr.

5992 Readings in Kinesiology

(A-F only; Prereq: [KIN upper div undergrad or MEd or grad student], instr consent)
16313 025 IND, 00:00-00:00 , In Person Term Based; Diane Wiese-Bjornstal ; 1-9 cr.
16447 004 IND, 00:00-00:00 , In Person Term Based; Donald Dengel ; 1-9 cr.
16459 019 IND, 00:00-00:00 , In Person Term Based; Tom Stoffregen ; 1-9 cr.
16477 002 IND, 00:00-00:00 , In Person Term Based; Lisa Kihl ; 1-9 cr.
16709 027 IND, 00:00-00:00 , In Person Term Based; Nicole LaVoi ; 1-9 cr.
16713 008 IND, 00:00-00:00 , In Person Term Based; Juergen Konczak ; 1-9 cr.
16783 029 IND, 00:00-00:00 , In Person Term Based; Beth Lewis ; 1-9 cr.
16793 023 IND, 00:00-00:00 , In Person Term Based; Maureen Weiss ; 1-9 cr.
16919 006 IND, 00:00-00:00 , In Person Term Based; Li Li Ji ; 1-9 cr.
16983 045 IND, 00:00-00:00 , In Person Term Based; Zan Gao ; 1-9 cr.
16989 001 IND, 00:00-00:00 , In Person Term Based; Daheia Barr-Anderson ; 1-9 cr.
17151 049 IND, 00:00-00:00 , In Person Term Based; Chelsey Thul ; 1-9 cr.
17188 014 IND, 00:00-00:00 , In Person Term Based; Christopher Lundstrom ; 1-9 cr.
17387 005 IND, In Person Term Based; Sarah Greising ; 1-9 cr.
17418 015 IND, In Person Term Based; Vicki Schull ; 1-9 cr.
17653 050 IND, In Person Term Based; Rachel Hawe ; 1-9 cr.
17654 051 IND, In Person Term Based; Dunja Antunovic ; 1-9 cr.
17655 052 IND, In Person Term Based; Otto Sanchez ; 1-9 cr.
17656 053 IND, In Person Term Based; Andrea Silva ; 1-9 cr.
17657 054 IND, In Person Term Based; Clinton Warren, PhD ; 1-9 cr.
17658 055 IND, In Person Term Based; Landy Lu ; 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)
16309 025 IND, 00:00-00:00 , In Person Term Based; Diane Wiese-Bjornstal ; 1-6 cr.
16448 004 IND, 00:00-00:00 , In Person Term Based; Donald Dengel ; 1-6 cr.
16460 019 IND, 00:00-00:00 , In Person Term Based; Tom Stoffregen ; 1-6 cr.
16469 021 IND, 00:00-00:00 , In Person Term Based; Michael Wade ; 1-6 cr.
16478 002 IND, 00:00-00:00 , In Person Term Based; Lisa Kihl ; 1-6 cr.
16710 027 IND, 00:00-00:00 , In Person Term Based; Nicole LaVoi ; 1-6 cr.
16714 008 IND, 00:00-00:00 , In Person Term Based; Juergen Konczak ; 1-6 cr.
16833 023 IND, 00:00-00:00 , In Person Term Based; Maureen Weiss ; 1-6 cr.
16920 006 IND, 00:00-00:00 , In Person Term Based; Li Li Ji ; 1-6 cr.
16984 045 IND, 00:00-00:00 , In Person Term Based; Zan Gao ; 1-6 cr.
17103 001 IND, 00:00-00:00 , In Person Term Based; Daheia Barr-Anderson ; 1-6 cr.
17152 049 IND, 00:00-00:00 , In Person Term Based; Chelsey Thul ; 1-6 cr.
17179 014 IND, 00:00-00:00 , In Person Term Based; Christopher Lundstrom ; 1-6 cr.
17388 005 IND, In Person Term Based; Sarah Greising ; 1-6 cr.
17419 015 IND, In Person Term Based; Vicki Schull ; 1-6 cr.
17659 050 IND, In Person Term Based; Rachel Hawe ; 1-6 cr.
17660 051 IND, In Person Term Based; Dunja Antunovic ; 1-6 cr.
17661 052 IND, In Person Term Based; Otto Sanchez ; 1-6 cr.
17662 053 IND, In Person Term Based; Andrea Silva ; 1-6 cr.

17663 054 IND, In Person Term Based; Clinton Warren, PhD ; 1-6 cr.
17664 055 IND, In Person Term Based; Landy Lu ; 1-6 cr.

Korean (KOR)

1011 Beginning Korean I

(Student Option No Audit;)
18427 003 LEC, 11:15-12:05 MTWThF, Folwell Hall 31, In Person Term Based; Meets With: 003 KOR 4001; Fatima Walji Han ; 5 cr.
18660 001 LEC, 09:05-09:55 MTWThF, Folwell Hall 28, In Person Term Based; Meets With: 001 KOR 4001; Fatima Walji Han ; 5 cr.
18951 002 LEC, 10:10-11:00 MTWThF, Cooke Hall 215, In Person Term Based; Meets With: 002 KOR 4001; Fatima Walji Han ; 5 cr.
19813 004 LEC, 11:15-12:05 MTWThF, Folwell Hall 28, In Person Term Based; Meets With: 004 KOR 4001; Bryce Johnson ; 5 cr.
20506 050 LEC, 17:40-20:00 TTh, Twin Cities Remote, Completely Online; Meets With: 050 KOR 4001; Bryce Johnson ; 5 cr.
20690 005 LEC, 12:20-13:10 MTWThF, Folwell Hall 106, In Person Term Based; Meets With: 005 KOR 4001; Bryce Johnson ; 5 cr.
20723 006 LEC, 13:25-14:15 MTWThF, Folwell Hall 8, In Person Term Based; Meets With: 006 KOR 4001; Jiyoon Pyeon ; 5 cr.
21503 007 LEC, 15:30-17:50 MW, Folwell Hall 32, In Person Term Based; Meets With: 007 KOR 4001; Hangtae Cho ; 5 cr.

3021 Intermediate Korean I

(Student Option No Audit; Prereq: 1012)
18775 001 LEC, 13:25-14:15 MTWThF, Mechanical Engineering 321, In Person Term Based; Meets With: 001 KOR 4003; Suyon Kim ; 5 cr.
19715 002 LEC, 15:35-16:25 MTWThF, Folwell Hall 13, In Person Term Based; Meets With: 002 KOR 4003; Sugyung Kim ; 5 cr.
19747 003 LEC, 14:30-15:20 MTWThF, Folwell Hall 121, In Person Term Based; Meets With: 003 KOR 4003; Sugyung Kim ; 5 cr.
20876 050 LEC, 17:30-19:50 MW, Twin Cities Remote, Completely Online; Meets With: 050 KOR 4003; Sugyung Kim ; 5 cr.

3031 Third Year Korean I

(Student Option No Audit; Prereq: 3022)
18688 001 LEC, 15:35-17:30 TTh, Folwell Hall 103, In Person Term Based; Meets With: 001 KOR 4005; Suyon Kim ; 4 cr.
21281 002 LEC, 15:35-17:30 MW, Folwell Hall 123, In Person Term Based; Meets With: 002 KOR 4005; Suyon Kim ; 4 cr.

3290 Korean Language Teaching Tutorial

(S-N only; Prereq: Grade of A in 3032)
19048 001 FWK, In Person Term Based; 1 cr.

4001 Beginning Korean I for Graduate

Student Research
(Student Option No Audit;)
18819 001 LEC, 09:05-09:55 MTWThF, Folwell Hall 28, In Person Term Based; Meets With: 001 KOR 1011; Fatima Walji Han ; 5 cr.
18820 003 LEC, 11:15-12:05 MTWThF, Folwell Hall 31, In Person Term Based; Meets With: 003 KOR 1011; Fatima Walji Han ; 5 cr.
18914 002 LEC, 10:10-11:00 MTWThF, Cooke Hall 215, In Person Term Based; Meets With: 002 KOR 1011; Fatima Walji Han ; 5 cr.
19814 004 LEC, 11:15-12:05 MTWThF, Folwell Hall 28, In Person Term Based; Meets With: 004 KOR 1011; Bryce Johnson ; 5 cr.
20507 050 LEC, 17:40-20:00 TTh, Twin Cities Remote, Completely Online; Meets With: 050 KOR 1011; Bryce Johnson ; 5 cr.
20691 005 LEC, 12:20-13:10 MTWThF, Folwell Hall 106, In Person Term Based; Meets With: 005 KOR 1011; Bryce Johnson ; 5 cr.
20753 006 LEC, 13:25-14:15 MTWThF, Folwell Hall 8, In Person Term Based; Meets With: 006 KOR 1011; Jiyoon Pyeon ; 5 cr.
21504 007 LEC, 15:30-17:50 MW, Folwell Hall 32, In Person Term Based; Meets With: 007 KOR 1011; Hangtae Cho ; 5 cr.

4003 Intermediate Korean I for Graduate

Student Research
(Student Option No Audit; Prereq: 4002, grad student)

18953 001 LEC, 13:25-14:15 MTWThF, Mechanical Engineering 321, In Person Term Based; Meets With: 001 KOR 3021; Suyon Kim ; 5 cr.
 19716 002 LEC, 15:35-16:25 MTWThF, Folwell Hall 13, In Person Term Based; Meets With: 002 KOR 3021; Sugyung Kim ; 5 cr.
 19760 003 LEC, 14:30-15:20 MTWThF, Folwell Hall 121, In Person Term Based; Meets With: 003 KOR 3021; Sugyung Kim ; 5 cr.
 20877 050 LEC, 17:30-19:50 MW, Twin Cities Remote, Completely Online; Meets With: 050 KOR 3021; Sugyung Kim ; 5 cr.

4005 Third Year Korean I for Graduate Student Research

(Student Option No Audit; Prereq: 4004)

19015 001 LEC, 15:35-17:30 TTh, Folwell Hall 103, In Person Term Based; Meets With: 001 KOR 3031; Suyon Kim ; 4 cr.
 21282 002 LEC, 15:35-17:30 MW, Folwell Hall 123, In Person Term Based; Meets With: 002 KOR 3031; Suyon Kim ; 4 cr.

4041 Advanced Readings in Modern Korean I

(Student Option; Prereq: 3032 or equiv or instr consent)

20755 001 LEC, 09:05-11:00 TTh, Folwell Hall 108, In Person Term Based; Hangtae Cho ; 4 cr.

Land and Atmospheric Science (LAAS)

5050 Integrated Topics in Land & Atmospheric Science

(A-F or Audit;)

22467 001 LEC, 11:45-13:00 MW, McNeal Hall 395, In Person Term Based; Kyungsoo Yoo ; 3 cr.

5425 Atmospheric Processes I: Thermodynamics and Dynamics of the Atmosphere

(A-F or Audit; Prereq: One yr college-level [calculus, physics])

33571 001 LEC, 13:55-15:05 TTh, McNeal Hall 395, In Person Term Based; Peter Snyder ; 3 cr.

5480 Special Topics in Land and Atmospheric Science

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

34905 001 LEC, Independent/Directed Study; Jessica Gutknecht ; 1-4 cr.

5621 Environmental Genomics and Microbiomes

(Student Option; Prereq: college-level courses in microbiology)

22639 001 LEC, 10:40-11:55 T, Ecology Building 170, In Person Term Based; Satoshi Ishii ; 3 cr.
 22640 002 LAB, 10:40-11:55 Th, Ecology Building 170, In Person Term Based; Satoshi Ishii ; 3 cr.

Landscape Architecture (LA)

1201 Learning from the Landscape

(A-F or Audit; AH,DSJ)

15215 001 LEC, Completely Online; Kristine Miller ; 3 cr.

2301 Mixed Analog and Digital Representation Methods

(Student Option; Prereq: LA 1301 OR GDES 1311 OR instructor consent)

15279 001 LAB, 09:05-11:00 TTh, Rapson Hall 9, 09:05-11:00 TTh, Rapson Hall 33, In Person Term Based; Meets With: 001 LA 5376; Vincent deBritto ; 3 cr.

3001 Understanding and Creating Landscape Space

(A-F or Audit;)

15186 001 LEC, 14:30-15:45 TTh, Rapson Hall 9, 14:30-15:45 TTh, 1425 University Ave 175, In Person Term Based; Karen Lutsky ; 4 cr.
 15187 002 DIS, 16:00-17:30 TTh, Rapson Hall 9, 16:00-17:30 TTh, 1425 University Ave 175, In Person Term Based; Karen Lutsky ; 4 cr.

3003 Climate Change Adaptation

(Student Option;)

15282 001 LAB, 16:00-17:15 TTh, Bruininks Hall 330, In Person Term Based; Meets With: 001 LA 5003; Vincent deBritto ; 3 cr.

3413 Introduction to Landscape

Architectural History

(A-F or Audit; GP,HIS)

15475 002 DIS, 00:00-00:00 , ONLINE, Completely Online; Bradley Agee ; 3 cr.
 15477 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Bradley Agee ; 3 cr.

3501 Environmental Design and Its Biological and Physical Context

(A-F or Audit; ENV)

34242 002 LEC, 14:30-15:45 MW, Rapson Hall 58, In Person Term Based; Laura Musacchio ; 3 cr.

3571 Landscape Construction: Site Systems and Engineering

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

15216 001 DIS, 09:05-11:00 MW, Keller Hall 3-111, In Person Term Based; Tiffani Navratil ; 3 cr.

4001 Sustainable Landscape Design and Planning Practices Studio

(Student Option; Prereq: LA 2302 and LA 3002 or instructor consent.)

15284 002 LAB, 15:00-18:00 MW, 1425 University Ave 75, In Person Term Based; Andrew Montgomery ; 4 cr.

4096 Internship in Landscape Design and Planning

(S-N only; Prereq: 1301, 2301, 2302, 3001, 3002, 3003)

15283 001 FWK, 00:00-00:00 , , In Person Term Based; Bradley Agee ; 1 cr.
 15570 002 FWK, In Person Term Based; Bradley Agee ; 1 cr.

5003 Climate Change Adaptation

(Student Option;)

15409 001 LAB, 16:00-17:15 TTh, Bruininks Hall 330, In Person Term Based; Meets With: 001 LA 3003; Vincent deBritto ; 3 cr.

5096 Internship for Master of Landscape Architecture Students

(Student Option;)

15627 003 LEC, In Person Term Based; Rebecca Krinke ; 1-3 cr.

5131 Geospatial Data Analysis and Design

(A-F only; Prereq: Master of Landscape Architecture Student or instr consent)

33447 001 LAB, 14:30-15:45 TTh, Rapson Hall 33, In Person Term Based; Peter Truax ; 3 cr.

5201 Making Landscape Spaces and Types

(A-F or Audit; Prereq: B.E.D accelerated status or LA grad or instr consent)

15185 001 LAB, 13:30-17:30 MWF, Rapson Hall 35, In Person Term Based; Rebecca Krinke ; 6 cr.

5202 Landscape Analysis Workshop

(S-N only;)

15200 001 LEC, In Person Term Based; Rebecca Krinke, Daniel Shaw ; 1 cr.

5376 Representation I

(A-F only; Prereq: Master of Landscape Architecture (MLA) or Accelerated Bachelor of Environmental Design.)

15451 001 LAB, 09:05-11:00 TTh, Rapson Hall 9, 09:05-11:00 TTh, Rapson Hall 33, In Person Term Based; Meets With: 001 LA 2301; Vincent deBritto ; 4 cr.

5405 Interdisciplinary Studies in Landscape Architecture

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

15563 001 IND, In Person Term Based; Rebecca Krinke ; 1-6 cr.
 15684 004 IND, In Person Term Based; Patrick Nunnally ; 1-6 cr.

5576 Ecological Restoration Project Planning and Management

(A-F only; Prereq: [MLA student, senior B.E.D.] or senior or grad with one college course in ecology/ one college course in plant science or botany or instr consent)

15673 001 DIS, 09:05-11:00 MW, Mechanical Engineering 321, In Person Term Based; Daniel Shaw ; 3 cr.

5771 Landscape Infrastructure and Systems I

(A-F only; Prereq: Master of Landscape Architecture Student, [Accelerated Track B.E.D or instr consent])

15476 001 LEC, 09:05-11:00 MW, Keller Hall 3-111, In Person Term Based; Kevin Tousignant ; 3 cr.

Language Centr CLA Courseshare (LANG)

1021 Beginning Czech I

(Student Option;)

21731 001 LEC, 12:50-13:40 MTWTh, Room TBA, In Person Term Based; 4 cr.

1051 Beginning Indonesian I

(Student Option;)

34491 001 LEC, 12:05-12:55 MTWTh, Twin Cities Remote, Completely Online; 4 cr.

1061 Beginning Persian I

(Student Option No Audit;)

21737 001 LEC, 09:20-10:40 MTh, Twin Cities Remote, Completely Online; 4 cr.

1071 Beginning Polish I

(Student Option No Audit;)

21732 001 LEC, In Person Term Based; 4 cr.

1081 Beginning Sanskrit I

(Student Option;)

21743 001 LEC, Completely Online; 2 cr.

1111 Beginning Turkish I

(Student Option;)

21169 001 LEC, 09:20-10:40 MTh, Twin Cities Remote, Completely Online; 4 cr.

1121 Beginning Vietnamese I

(Student Option No Audit;)

34100 001 LEC, Completely Online; 4 cr.

1131 Beginning Yiddish I

(Student Option No Audit;)

21744 001 LEC, 09:00-10:00 Th, Twin Cities Remote, 09:00-10:30 MT, Twin Cities Remote, Completely Online; 4 cr.

1141 Beginning Yoruba I

(Student Option No Audit;)

21747 001 LEC, 09:55-10:45 MWF, Twin Cities Remote, Completely Online; 4 cr.

1161 Beginning Hungarian I

(Student Option;)

21735 001 LEC, 09:20-10:10 MTWTh, Twin Cities Remote, Completely Online; 4 cr.

1181 Beginning Filipino I

(Student Option No Audit;)

34490 001 LEC, 11:00-11:50 MTWTh, Twin Cities Remote, Completely Online; 4 cr.

1191 Beginning Romanian I

(Student Option No Audit;)

21749 001 LEC, Completely Online; 4 cr.

1201 Beginning Basque I

(Student Option;)

21742 001 LEC, 15:30-16:30 TTh, Twin Cities Remote, Completely Online; 3 cr.

1231 Beginning Modern Greek I

(Student Option No Audit;)

21275 001 LEC, 09:20-10:40 MWTh, Twin Cities Remote, Completely Online; 4 cr.
 21978 002 LEC, 11:10-12:30 MWTh, Twin Cities Remote, Completely Online; 4 cr.

1251 Beginning Haitian Creole I

(Student Option;)

21734 001 LEC, 14:00-15:30 TTh, Twin Cities Remote, Completely Online; 4 cr.

1261 Beginning Ukrainian I

(Student Option;)

21745 001 LEC, Completely Online; 4 cr.

1273 French for Reading Knowledge

(Student Option;)

21739 001 LEC, 16:40-18:00 MW, Twin Cities Remote, Completely Online; 3 cr.

1301 Beginning Quechua I

(Student Option;)
34114 001 LEC, 10:15-11:10 TWTuF, Twin Cities Remote,
Completely Online; 4 cr.

1311 Italian for Reading Knowledge

(Student Option;)
21879 001 LEC, Completely Online; 3 cr.

1341 Beginning Thai I

(Student Option;)
34798 001 LEC, 09:55-10:45 MTWTh, Twin Cities Remote,
Completely Online; 4 cr.

1371 Beginning Kinyarwanda I

(Student Option;)
22000 001 LEC, 10:30-11:45 TTh, Twin Cities Remote,
10:30-11:20 MW, Twin Cities Remote, Completely Online;
4 cr.

1381 Beginning Marathi I

(Student Option;)
34105 001 LEC, 11:30-12:20 MWF, Twin Cities Remote,
Completely Online; 2 cr.

1421 Beginning Tamil I

(Student Option;)
34625 001 LEC, 11:00-12:20 TTh, Twin Cities Remote,
Completely Online; 2 cr.

2011 Accelerated Catalan I

(Student Option No Audit;)
21740 001 LEC, 13:30-14:50 MW, Twin Cities Remote,
Completely Online; 2 cr.

2061 Intermediate Persian I

(Student Option;)
21738 001 LEC, 11:10-12:30 MTh, Twin Cities Remote,
Completely Online; 4 cr.

2071 Intermediate Polish I

(Student Option;)
21733 001 LEC, In Person Term Based; 3 cr.

2073 Accelerated Polish for Heritage Speakers

(Student Option No Audit;)
21746 001 LEC, Completely Online; 3 cr.

2111 Intermediate Turkish I

(Student Option No Audit;)
34102 001 LEC, 11:10-12:30 MTh, Twin Cities Remote,
Completely Online; 4 cr.

2121 Intermediate Vietnamese I

(Student Option No Audit;)
34101 001 LEC, Completely Online; 4 cr.

2131 Intermediate Yiddish I

(Student Option;)
21856 001 LEC, Completely Online; 4 cr.

2141 Intermediate Yoruba I

(Student Option;)
22001 001 LEC, 09:55-10:45 TTh, Twin Cities Remote,
Completely Online; 3 cr.

2161 Intermediate Hungarian I

(Student Option;)
34797 001 LEC, 10:30-23:20 MTWF, Twin Cities Remote,
Completely Online; 4 cr.

2231 Intermediate Modern Greek I

(Student Option No Audit;)
34104 001 LEC, 13:00-14:20 MWTh, Twin Cities Remote,
Completely Online; 4 cr.

2331 Intermediate Syriac I

(Student Option;)
21895 001 LEC, Completely Online; 3 cr.

2361 Intermediate Biblical Hebrew I

(Student Option;)
21884 001 LEC, Completely Online; 3 cr.

2381 Intermediate Marathi I

(Student Option;)
22176 001 LEC, 12:30-13:20 MTF, Twin Cities Remote,
Completely Online; 2 cr.

3012 Advanced Catalan: Language, Society and Culture

(Student Option;)
21741 001 LEC, Completely Online; 2 cr.

3031 Advanced Danish I

(Student Option;)
34111 001 LEC, 12:05-12:55 MTWTh, Twin Cities Remote,
Completely Online; 3 cr.

3061 Advanced Persian I

(Student Option;)
21877 001 LEC, 12:00-15:00 F, Twin Cities Remote,
Completely Online; 3 cr.

3121 Advanced Vietnamese I

(Student Option No Audit;)
21170 001 LEC, 13:00-14:15 TTh, Twin Cities Remote,
Completely Online; 3 cr.

3231 Advanced Modern Greek I

(Student Option;)
21878 001 LEC, Completely Online; 3 cr.

3341 Advanced Thai I

(Student Option;)
34109 001 LEC, 13:00-14:15 TTh, Twin Cities Remote,
Completely Online; 3 cr.

3381 Advanced Marathi I

(Student Option;)
34107 001 LEC, 14:30-15:20 MWF, Twin Cities Remote,
Completely Online; 2 cr.

3507 Korean Language and Contemporary Pop Culture

(Student Option;)
21748 001 LEC, 09:30-10:45 TTh, Twin Cities Remote,
Completely Online; 3 cr.

3508 Making Places in Seoul: History of Urbanism and Development

(Student Option; Prerequisite, although background
knowledge about Korean language, geography,
history, and culture is highly desirable. Please
contact the Language Center at elsie@umn.edu or
612-626-6017 with questions.)
21880 001 LEC, Completely Online; 3 cr.

4071 Beginning Polish I

(Student Option;)
22174 001 LEC, In Person Term Based; 4 cr.

5010 Graduate Language Study

(Student Option No Audit;)
34280 001 LEC, 11:10-12:30 MTh, Twin Cities Remote,
Completely Online; 3 cr.

5125 Advanced Vietnamese Special Translation I

(Student Option;)
22175 001 LEC, 13:00-14:15 TTh, Twin Cities Remote,
Completely Online; 3 cr.

5231 Special Topics in Hebrew Studies: Israeli Innovation and Entrepreneurship

(Student Option;)
34385 001 LEC, 10:30-12:00 TTh, Twin Cities Remote,
Completely Online; 3 cr.

5341 Advanced Thai III

(Student Option;)
34475 001 LEC, 13:00-14:15 TTh, Twin Cities Remote,
Completely Online; 3 cr.

5361 Intermediate Biblical Hebrew Grad I

(Student Option;)
21900 001 LEC, 13:30-15:00 TTh, Twin Cities Remote,
Completely Online; 3 cr.

Latin (LAT)**1001 Beginning Latin I**

(Student Option;)
18043 001 LEC, 13:25-14:15 MTWThF, Kolthoff Hall 139, In
Person Term Based; Fade Manley ; 5 cr.
18044 003 LEC, 09:05-09:55 MTWThF, Nicholson Hall 115,
In Person Term Based; Anthony Thomas ; 5 cr.

3003 Intermediate Latin Prose

(Student Option; Prereq: Grade of at least C- or S in
1002 or 5001 or instr consent)

19246 001 LEC, 15:35-16:25 MTWTh, Nicholson Hall 355, In
Person Term Based; Meets With: 001 LAT 5003; Spencer
Cole ; 4 cr.

19247 002 LEC, 14:30-15:20 MTWTh, Nicholson Hall 355, In
Person Term Based; Meets With: 002 LAT 5003; Charles
McNamara ; 4 cr.

3993 Directed Studies

(Student Option; Prereq: instr consent and dept
consent)
18125 001 IND, 00:00-00:00 , , In Person Term Based; 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.)
19078 001 IND, 00:00-00:00 , , In Person Term Based; 1-4
cr.
19770 002 IND, 00:00-00:00 , , In Person Term Based; 1-4
cr.

19078 001 IND, 00:00-00:00 , , In Person Term Based; 1-4
cr.

19770 002 IND, 00:00-00:00 , , In Person Term Based; 1-4
cr.

5003 Intermediate Latin Prose for Graduate Student Research

(Student Option; Prereq: [Grade of at least [C- or S] in
[1002 or 5001] or instr consent])
20110 002 LEC, 14:30-15:20 MTWTh, Nicholson Hall 355, In
Person Term Based; Meets With: 002 LAT 3003; Charles
McNamara ; 4 cr.
20180 001 LEC, 15:35-16:25 MTWTh, Nicholson Hall 355, In
Person Term Based; Meets With: 001 LAT 3003; Spencer
Cole ; 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 (CNR)
with any questions.)
34135 001 LEC, 13:00-14:15 TTh, Blegen Hall 230, In
Person Term Based; Andrew Gallia ; 3 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent, dept consent)
18126 001 IND, 00:00-00:00 , , In Person Term Based; 1-4
cr.
18658 002 IND, 00:00-00:00 , , In Person Term Based; S.
Douglas Olson ; 1-4 cr.
19792 003 IND, 00:00-00:00 , , In Person Term Based;
Spencer Cole ; 1-4 cr.
19793 004 IND, 00:00-00:00 , , In Person Term Based;
Andrew Gallia ; 1-4 cr.
19794 005 IND, 00:00-00:00 , , In Person Term Based; Nita
Krevans ; 1-4 cr.
19795 006 IND, 00:00-00:00 , , In Person Term Based;
Charles McNamara ; 1-4 cr.
19796 007 IND, 00:00-00:00 , , In Person Term Based; 1-4
cr.
19797 008 IND, 00:00-00:00 , , In Person Term Based; 1-4
cr.

5994 Directed Research

(Student Option; Prereq: Grad student or instr consent)
18685 001 IND, In Person Term Based; 1-12 cr.

5996 Directed Instruction

(Student Option; Prereq: Grad student or instr consent)
19087 001 IND, In Person Term Based; 1-12 cr.

Latin American Studies (LAS)**3401W Early Latin America to 1825**

(A-F or Audit; GP,WI,HIS)
21194 001 DIS, 09:05-10:45 MW, Blegen Hall 240, In Person
Term Based; Meets With: 001 HIST 3401W; Ana Joanna
Vergara Sierra ; 4 cr.

19267 002 DIS, 11:15-12:05 F, Folwell Hall 18, In Person Term Based; Jean-Philippe Marcotte ; 4 cr.

5105 Field Methods in Linguistics I

(Student Option; Prereq: [[4201 or 5201], [4302W or 5302]] or instr consent)

20413 001 FWK, 14:30-16:25 MW, Elliott Hall N555, In Person Term Based; Meets With: 001 LING 8105; Samuel Akinbo ; 4 cr.

5201 Syntactic Theory I

(Student Option; Prereq: Ling 5001 and graduate student or honors student, or instructor consent)

19985 001 LEC, 09:45-11:00 MW, Ford Hall 155, In Person Term Based; Hooi Ling Soh ; 3 cr.

5205 Semantics

(Student Option; Prereq: [4201 or 5201] or instr consent)

19737 001 LEC, 14:30-15:45 TTh, Appleby Hall 11, In Person Term Based; Brian Reese ; 3 cr.

5302 Phonological Theory I

(Student Option; Prereq: 5001 or honors student or instructor consent. LING 5302 is directed towards honors students and graduate students.)

33263 001 LEC, 11:15-12:30 TTh, Akerman Hall 313, In Person Term Based; Anna Lubowicz ; 3 cr.

5461 Conversation Analysis

(Student Option; Prereq: 3001 or 3001H or 5001 or instr consent)

20757 001 LEC, 11:15-12:30 TTh, Elliott Hall N555, In Person Term Based; Polly Sztatowski ; 3 cr.

5993 Directed Study

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

18359 001 IND, In Person Term Based; Diti Bhadra ; 1-3 cr.
18768 002 IND, In Person Term Based; Hooi Ling Soh ; 1-3 cr.

19479 004 IND, In Person Term Based; Brian Reese ; 1-3 cr.

19484 005 IND, In Person Term Based; Claire Halpert ; 1-3 cr.

19687 006 IND, In Person Term Based; Jean-Philippe Marcotte ; 1-3 cr.

19924 007 IND, In Person Term Based; Polly Sztatowski ; 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;)

22902 001 LEC, 11:15-12:30 MW, Hanson Hall 1-106, In Person Term Based; Jaime Roquebert ; 3 cr.

22903 002 LEC, 16:00-17:15 MW, Hanson Hall 1-106, In Person Term Based; Jaime Roquebert ; 3 cr.

22904 003 LEC, 11:15-12:30 TTh, Hanson Hall 1-103, In Person Term Based; Yeon Jin Kim ; 3 cr.

23444 070 LEC, Completely Online; Kelsey Baumann ; 3 cr.

3004 Strategic Management

(A-F only; Prereq: CSOM, soph or jr)

23061 001 LEC, 08:15-09:30 TTh, Hanson Hall 1-104, In Person Term Based; Moshe Barach ; 3 cr.

23083 002 LEC, 09:45-11:00 MW, Hanson Hall 1-106, In Person Term Based; Jiao Luo ; 3 cr.

23149 003 LEC, 09:45-11:00 TTh, Hanson Hall 1-106, In Person Term Based; Moshe Barach ; 3 cr.

23198 004 LEC, 13:00-14:15 TTh, Hanson Hall 1-104, In Person Term Based; Moshe Barach ; 3 cr.

23378 005 LEC, 13:00-14:15 MW, Hanson Hall 1-104, In Person Term Based; Jiao Luo ; 3 cr.

32807 006 LEC, 14:30-15:45 MW, Hanson Hall 1-106, In Person Term Based; Jeffrey Kaufmann ; 3 cr.

3015 Introduction to Entrepreneurship

(A-F or Audit;)

22978 002 LEC, 10:10-11:50 MW, Hanson Hall 1-111, In Person Term Based; Sunasir Dutta ; 4 cr.

22980 001 LEC, 14:30-16:10 MW, Carlson School of Mgmt 1-123, In Person Term Based; Shaker Zahra ; 4 cr.

23024 003 LEC, 12:20-14:00 MW, Blegen Hall 130, In Person Term Based; Sunasir Dutta ; 4 cr.

23086 004 LEC, 08:00-09:40 MW, Hanson Hall 1-105, In Person Term Based; Jaime Roquebert ; 4 cr.

3045 Understanding the International Environment of Firms: International Business

(A-F or Audit; Prereq: MGMT 3001 or 3004)

22928 001 LEC, 15:45-17:25 TTh, Hanson Hall 1-105, In Person Term Based; Alan Fine ; 2 cr.

4008 Entrepreneurial Management

(A-F only; Prereq: MGMT 3015 or MGMT 3010 or IBUS 3010)

22907 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt 2-233, In Person Term Based; Alan Fine ; 4 cr.

4031 Industry Analysis in a Global Context

(A-F only; Prereq: Mgmt 3004)

23459 001 LEC, 11:50-13:30 MW, Hanson Hall 1-107, In Person Term Based; Jeremy Watson ; 2 cr.

4032 Corporate Strategy

(A-F only; Prereq: Mgmt 3004)

23460 001 LEC, 15:45-17:25 MW, Hanson Hall 1-107, In Person Term Based; Aseem Kaul ; 2 cr.

4034 Technology Strategy

(A-F only; Prereq: Mgmt 3004 or 3001)

23467 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 2-224, In Person Term Based; Mary Benner ; 2 cr.

4044 Negotiation Strategies

(A-F only;)

23175 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt L-114, In Person Term Based; Yelena Hydrie ; 4 cr.

4055 Managing Innovation and Change In Action

(A-F or Audit; Prereq: MGMT 3001 or MGMT 3004 or MGMT 3010 or MGMT 3015)

23095 001 LEC, 13:45-17:05 Th, Carlson School of Mgmt 2-215, In Person Term Based; Gurmeeta Singh ; 2 cr.

4080W Applied Technology

Entrepreneurship

(Student Option; WI)

23112 001 LEC, 15:45-17:25 MW, Carlson School of Mgmt 2-219, In Person Term Based; John Stavig ; 4 cr.

4101 Independent Study in Strategic

Management and Organization

(Student Option; Prereq: instr consent or dept consent)

23502 001 IND, In Person Term Based; 1-4 cr.

4173 New Venture Financing & Seed Stage Investing

(Student Option No Audit;)

23461 001 LEC, 10:00-12:00 F, Carlson School of Mgmt 1-143, In Person Term Based; John Stavig ; 2-4 cr.

4175W New Business Feasibility and Planning

(A-F only; Prereq: MGMT 3010 or MGMT 3015 or IBUS 3010W)

23087 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 1-127, In Person Term Based; Alan Fine ; 4 cr.

4505 Senior Seminar in International Business

(A-F only; Prereq: CSOM sr, completed semester abroad, IB major or minor)

23119 001 LEC, 13:45-17:00 Th, Carlson School of Mgmt L-114, In Person Term Based; Sveltiana Madzar ; 2 cr.

5018 Philanthropy & Fundraising Strategy

(A-F only;)

23462 001 DIS, 11:50-13:30 MW, Carlson School of Mgmt 1-135, In Person Term Based; Matt Gill ; 2 cr.

5102 StartUp: Customer Development and Testing

(A-F only;)

23249 001 FWK, 15:45-17:25 T, Carlson School of Mgmt L-118, In Person Term Based; Carla Pavone ; 2 cr.

Management of Technology (MOT)

4001 Leadership, Professionalism and Business Basics for Engineers

(A-F only;)

26308 001 LEC, 15:35-17:30 M, Bruininks Hall 512B, In Person Term Based; Meets With: 001 MOT 5001; Mark Sanders ; 2 cr.

5001 Technological Business Fundamentals

(A-F only; Prereq: Degree seeking or non-degree graduate students)

25940 001 LEC, 15:35-17:30 M, Bruininks Hall 512B, In Person Term Based; Meets With: 001 MOT 4001; Mark Sanders ; 2 cr.

Managerial Communications (MCOM)

5400 Managerial Communications for the HR Professional

(A-F only; Prereq: HRIR student)

23080 060 LEC, 08:00-15:00 Sa, Carlson School of Mgmt 1-132, 08:00-15:00 Sa, Carlson School of Mgmt 1-132, 08:00-15:00 Sa, Carlson School of Mgmt 1-132, 08:00-15:00 Sa, Carlson School of Mgmt 1-132, In Person Term Based; Joseph Bork ; 2 cr.

5515 Persuasive Writing in Business

(A-F only; Prereq: MBA student)

23470 060 LEC, 17:45-21:05 W, ONLINE BLENDED, 17:45-21:05 W, Carlson School of Mgmt 1-142, Partially Online; Nat Bennett ; 2 cr.

Manufacturing Operations Mgmt (MM)

3001W Manufacturing in the Global Economy

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

29884 301 LEC, Completely Online; William King ; 3 cr.

3305 Advanced 3D Printing for Innovative Business Practices

(A-F or Audit; Prerequisites: None)

30041 001 LEC, 18:00-20:45 T, Bruininks Hall 530A, In Person Term Based; Mick Kuehn ; 3 cr.

Marketing (MKTG)

3001 Principles of Marketing

(A-F or Audit; Prereq: ECON 1101 or ECON 1165)

22900 002 LEC, 08:15-09:30 TTh, Hanson Hall 1-102, In Person Term Based; Andrew Lainsbury ; 3 cr.

22901 003 LEC, 08:15-09:30 MW, Hanson Hall 1-104, In Person Term Based; Andrew Lainsbury ; 3 cr.

22946 070 LEC, Completely Online; Corey Nelson ; 3 cr.

22981 001 LEC, 09:45-11:00 MW, Hanson Hall 1-102, In Person Term Based; Corey Nelson ; 3 cr.

23084 005 LEC, 14:30-15:45 TTh, Hanson Hall 1-106, In Person Term Based; Corey Nelson ; 3 cr.

23150 004 LEC, 14:30-15:45 MW, Hanson Hall 1-102, In Person Term Based; Allison Murn ; 3 cr.

23199 006 LEC, 13:00-14:15 TTh, Hanson Hall 1-102, In Person Term Based; Meredith Speier ; 3 cr.

23376 007 LEC, 11:15-12:30 TTh, Carlson School of Mgmt 1-147, In Person Term Based; Han Young Jung ; 3 cr.

32818 008 LEC, 11:15-12:30 MW, Carlson School of Mgmt 2-206, In Person Term Based; Xianyu Hao ; 3 cr.

32819 071 LEC, Completely Online; Corey Nelson ; 3 cr.

33717 009 LEC, 09:45-11:00 TTh, Hanson Hall 1-111, In Person Term Based; Allison Murn, Weize Yin, Yunyoung Kim, Sangmin Kim ; 3 cr.

3001H Honors:Principles of Marketing

(A-F only; Prereq: ECON 1101 or ECON 1165, Honors Student)

23312 001 LEC, 11:15-12:30 TTh, Carlson School of Mgmt 1-123, In Person Term Based; George John ; 3 cr.

3005 Introduction to Applying Analytical Tools for Solving Business Problems

(A-F only; Prereq: SCO 2550 or equivalent statistics course)

23251 001 LEC, 11:50-13:30 MW, Carlson School of Mgmt 2-224, In Person Term Based; Xuefeng Liu ; 2 cr.
23280 002 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-114, In Person Term Based; Xuefeng Liu ; 2 cr.
23317 003 LEC, 11:30-13:10 MW, Carlson School of Mgmt 1-143, In Person Term Based; Xuefeng Liu ; 2 cr.
23372 004 LEC, 15:45-17:25 MW, Carlson School of Mgmt 1-149, In Person Term Based; Xuefeng Liu ; 2 cr.

3011 Marketing Research

(A-F or Audit; Prereqs: 3001 and BA 2551 or SCO 2550 or equivalent statistics course)

22910 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-135, In Person Term Based; Xuefeng Liu ; 4 cr.
23018 002 LEC, 11:50-13:30 TTh, Carlson School of Mgmt 1-114, In Person Term Based; Xuefeng Liu ; 4 cr.
23265 003 LEC, 11:50-13:30 MW, Carlson School of Mgmt L-114, In Person Term Based; Wendy Lutter ; 4 cr.
23433 004 LEC, 13:45-15:25 MW, Carlson School of Mgmt 2-224, In Person Term Based; Nicole Newton ; 4 cr.

3041 Buyer Behavior

(A-F or Audit; Prereq: 3001)

22912 001 LEC, 09:55-11:35 TTh, Hanson Hall 1-107, In Person Term Based; Vivian Martin ; 4 cr.
22913 002 LEC, 13:45-15:25 TTh, Hanson Hall 1-107, In Person Term Based; Vivian Martin ; 4 cr.
23316 003 LEC, 13:45-15:25 MW, Hanson Hall 1-105, In Person Term Based; Corey Nelson ; 4 cr.

4031 Sales Management

(A-F or Audit; Prereq: MKTG 3040 or 3041)

22911 001 LEC, 13:45-15:25 MW, Carlson School of Mgmt 1-147, In Person Term Based; Kasey Beeler ; 4 cr.

4051 Advertising and Promotion

(A-F or Audit; Prereq: MKTG 3011 and MKTG 3041 (or 3010 & 3040) or instructor approval)

23064 001 LEC, 08:00-09:40 MW, Carlson School of Mgmt 1-135, In Person Term Based; Rohini Ahluwalia ; 4 cr.
23138 002 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-135, In Person Term Based; Rohini Ahluwalia ; 4 cr.

4061 Marketing Channels

(A-F or Audit; Prereq: MKTG 3011 and MKTG 3041 (or 3010 & 3040) or instructor approval)

23065 001 LEC, 11:50-13:30 TTh, Hanson Hall 1-107, In Person Term Based; Jay Lipe ; 4 cr.

4072 Marketing-in-Action: Marketing Practicum

(A-F or Audit; Prereq: MKTG 3001 and BA 2551 or SCO 2550 or equivalent statistics course)

23252 001 LEC, 08:00-09:40 TTh, Carlson School of Mgmt 1-149, In Person Term Based; Joe Redden ; 4 cr.
23253 002 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 1-149, In Person Term Based; Joe Redden ; 4 cr.

4076 Digital Marketing

(A-F only; Prereq: Mktg 3011 (or 3010))

23351 001 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-149, In Person Term Based; Allison Murn ; 2 cr.
23434 002 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-149, In Person Term Based; 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 creditsWI)

22914 001 LEC, 08:00-09:40 MW, Carlson School of Mgmt 1-127, In Person Term Based; John Franklin ; 4 cr.
23172 002 LEC, 09:55-11:35 MW, Carlson School of Mgmt 1-127, In Person Term Based; John Franklin ; 4 cr.
23490 003 LEC, 09:55-11:35 TTh, Carlson School of Mgmt 2-233, In Person Term Based; Jay Lipe ; 4 cr.

4082W Brand Management

(A-F only; Prereq: Mktg 3010/3011 and Mktg 3040/3041WI)

23066 001 LEC, 11:50-13:30 TTh, Carlson School of Mgmt L-118, In Person Term Based; Deborah John ; 4 cr.
23067 002 LEC, 13:45-15:25 TTh, Carlson School of Mgmt L-118, In Person Term Based; Deborah John ; 4 cr.

4090 Marketing Topics

(A-F or Audit;)

33544 001 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 1-149, In Person Term Based; Rohini Ahluwalia ; 2-4 cr.

Martin Luther King, Jr Program (MLK)

1001 CLA First-Year Experience I

(S-N only;)

21919 001 LEC, 14:30-15:45 W, Akerman Hall 313, In Person Term Based; Evan Johnson ; 1 cr.
21920 002 LEC, 14:30-15:45 W, Ford Hall 110, In Person Term Based; Charissa Blue ; 1 cr.
21921 003 LEC, 14:30-15:45 W, Ford Hall B80, In Person Term Based; Marisela Rodriguez-Gutierrez ; 1 cr.
21922 004 LEC, 14:30-15:45 W, Ford Hall 151, In Person Term Based; JoJamba Matthews ; 1 cr.
21923 005 LEC, 14:30-15:45 W, Ford Hall B29, In Person Term Based; Zac Arellano ; 1 cr.
21924 006 LEC, 14:30-15:45 W, Ford Hall 150, In Person Term Based; Mayzong Lee ; 1 cr.

Master of Business Admin (MBA)

5200 Directed Studies for Curricular

Practical Training

(S-N only; Prereq: International student with approval from the Program Office)

23005 001 FWK, 11:15-13:15 MTWThF, Carlson School of Mgmt 1-142, In Person Term Based; 1-3 cr.

Master of Development Practice (MDP)

5001 Ways of Knowing for Sustainable Development

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

13919 001 LEC, 13:00-14:40 W, Hubert H. Humphrey School 30, In Person Term Based; David Wilsey ; 2 cr.

5100 Post-Field / Pre-Capstone Seminar

(A-F only;)

13920 002 LEC, Completely Online; 1 cr.
14722 001 LEC, 14:00-16:00 F, Twin Cities Remote, Completely Online; Meets With: 001 PA 5080; Kevin Gerdes ; 1 cr.

Materials Science (MATS)

1001 Advances in Chemical Engineering and Materials Science

(S-N or Audit; Prereq: Credit will not be granted if credit has been received for : ChEn 1001;

Recommended for [chemical engineering, materials science/engineering] majors)

24483 001 LEC, 14:30-15:20 Th, Amundson Hall B75, In Person Term Based; Meets With: 001 CHEN 1001; Lorraine Francis, Paul Dauenhauer ; 1 cr.

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)

24205 001 LEC, 16:40-17:30 MWF, Keller Hall 3-210, In Person Term Based; Christopher Haas ; 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)

25127 001 LAB, 08:00-11:00 M, Amundson Hall B16, In Person Term Based; Kimberly Kosto ; 1 cr.
25128 002 LAB, 14:30-17:30 T, Amundson Hall B16, In Person Term Based; Kimberly Kosto ; 1 cr.
25129 003 LAB, 14:30-17:30 Th, Amundson Hall B16, In Person Term Based; Kimberly Kosto ; 1 cr.
25130 004 LAB, 13:25-16:25 F, Amundson Hall 162, In Person Term Based; Kimberly Kosto ; 1 cr.

3001 Thermodynamics of Materials

(A-F or Audit; Prereq: MatS upper div)

24545 001 LEC, 11:15-12:05 MWF, Molecular Cellular Biol 2-120, In Person Term Based; Mahesh Mahanthappa ; 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)

24210 001 LEC, 14:30-15:20 MWF, Amundson Hall B75, 18:00-19:00 Th, Amundson Hall B75, 18:00-19:00 Th, Amundson Hall B75, 18:00-19:00 Th, Amundson Hall B75, In Person Term Based; David Poerschke ; 3 cr.

25076 002 DIS, 09:05-09:55 T, Akerman Hall 317, In Person Term Based; David Poerschke ; 3 cr.
25077 003 DIS, 10:10-11:00 T, Amundson Hall 240, In Person Term Based; David Poerschke ; 3 cr.
25078 004 DIS, 11:15-12:05 T, Amundson Hall 124, In Person Term Based; David Poerschke ; 3 cr.
25079 005 DIS, 12:20-13:10 T, Amundson Hall 158, In Person Term Based; David Poerschke ; 3 cr.

3012 Metals and Alloys

(A-F or Audit; Prereq: [3011, [MatS or ChEn upper div]] or instr consent)

24523 001 LEC, 14:30-15:20 MWF, Akerman Hall 319, In Person Term Based; Chris Leighton ; 3 cr.

3013 Electrical and Magnetic Properties of Materials

(A-F or Audit; Prereq: 3011, [CHEM 4502 or PHYS 2303], [upper div MatS or ChEn] or instr consent)

25384 001 LEC, 13:25-14:15 MWF, Rapson Hall 45, In Person Term Based; David Flannigan ; 3 cr.

3801 Structural Characterization Lab

(A-F only; Prereq: [3011, MatS upper div] or dept consent)

24524 001 LEC, 12:20-13:10 MW, Rapson Hall 45, In Person Term Based; Michael Manno ; 4 cr.
24525 002 LAB, 09:05-12:05 T, Amundson Hall 47, In Person Term Based; Michael Manno ; 4 cr.
24526 003 LAB, 09:05-12:05 Th, Amundson Hall 47, In Person Term Based; Michael Manno ; 4 cr.
25755 004 LAB, 14:30-17:30 T, Amundson Hall 47, In Person Term Based; 4 cr.

4212 Ceramics

(A-F or Audit; Prereq: [3011, [3001 or CHEN 3101], [MatS or ChEn upper div]] or instr consent)

24215 001 LEC, 10:10-11:00 MWF, Rapson Hall 43, In Person Term Based; Bharat Jalan ; 3 cr.

4221 Materials Performance

(A-F only; Prereq: 3012, AEM 2031, Upper div MatS)

24216 001 LEC, 09:05-09:55 MWF, Amundson Hall 240, In Person Term Based; Nathan Mara ; 4 cr.
24217 003 LAB, 11:20-14:15 T, Lab TBA, In Person Term Based; Nathan Mara ; 4 cr.
25833 004 LAB, 11:20-14:15 W, Amundson Hall 47, In Person Term Based; Nathan Mara ; 4 cr.
26027 005 LAB, 14:30-17:25 W, Amundson Hall 47, In Person Term Based; Nathan Mara ; 4 cr.

4312 Principles and Applications of Solar Cells

(A-F only;)

26691 001 LEC, 09:45-11:00 TTh, Amundson Hall 158, In Person Term Based; Russell Holmes ; 3 cr.

4591 Independent Study in Materials Science

(Student Option No Audit; Prereq: Upper div mat sci)

24218 001 IND, 00:00-00:00 , , In Person Term Based; Nathan Mara ; 1-3 cr.

4593 Directed Study in Materials Science

(A-F only; Prereq: upper div MatS)

24219 001 IND, 00:00-00:00 , , In Person Term Based; Nathan Mara ; 1-4 cr.

4594 Directed Research in Materials Science

(Student Option No Audit; Prereq: Upper div mat sci)

24220 001 IND, 00:00-00:00 , , In Person Term Based; Nathan Mara ; 1-3 cr.

5771 Colloids and Dispersions

(A-F or Audit; Prereq: Physical chemistry)

26946 001 LEC, 14:30-15:45 TTh, Akerman Hall 209, In Person Term Based; Meets With: 001 CHEN 5771; Joseph Zasadzinski ; 3 cr.

5801 Optimization in Chemical and Energy Systems Engineering

(A-F or Audit;)

27018 001 LEC, 13:00-14:15 MW, Akerman Hall 209, In Person Term Based; Meets With: 001 CHEN 5801; Qi Zhang ; 3 cr.

5803 Chemical and Materials Technology Commercialization

(A-F only;)

27019 001 LEC, 12:20-13:10 MWF, Akerman Hall 319, In Person Term Based; Meets With: 001 CHEN 5803; Paul Dauenhauer ; 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)

- 23881 010 LEC, 11:15-12:05 MWF, Scott Hall 4, In Person Term Based; Mikal Nelson ; 3 cr.
 23882 011 DIS, 10:10-11:00 Th, Amundson Hall 104, In Person Term Based; Sujana Ramesh ; 3 cr.
 23883 012 DIS, 11:15-12:05 Th, Smith Hall 121, In Person Term Based; 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)

- 24010 001 LEC, 18:00-19:30 MW, Bruininks Hall 432, In Person Term Based; 3 cr.
 24011 020 LEC, 09:05-09:55 TThF, Bruininks Hall 330, Partially Online; Mike Weimerskirch ; 3 cr.
 24012 030 LEC, 12:20-13:10 TTh, Bruininks Hall 330, 12:20-13:10 F, Bruininks Hall 312, Partially Online; Mike Weimerskirch ; 3 cr.
 24300 040 LEC, 14:30-15:20 TThF, Bruininks Hall 131B, Partially Online; May An ; 3 cr.
 26667 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)

- 26319 001 LEC, Completely Online; Mark Kayser ; 4 cr.

1049 Intermediate Algebra Skills

(S-N only;)

- 32853 001 LEC, 12:20-13:10 Th, Vincent Hall 213, In Person Term Based; 1 cr.
 32854 002 LEC, 13:25-14:15 Th, Vincent Hall 213, In Person Term Based; 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)

- 24278 010 LEC, 12:20-13:10 MF, Bruininks Hall 330, Partially Online; Delia Samuel ; 3 cr.
 24279 020 LEC, 13:25-14:15 MF, Bruininks Hall 330, Partially Online; Delia Samuel ; 3 cr.
 26258 030 LEC, 14:30-15:20 MF, Bruininks Hall 330, Partially Online; 3 cr.
 26679 003 LEC, Completely Online; Delia Samuel ; 3 cr.
 26912 011 DIS, 12:20-13:10 W, Vincent Hall 16, In Person Term Based; 3 cr.
 26913 021 DIS, 13:25-14:15 W, Bruininks Hall 330, In Person Term Based; 3 cr.
 26914 031 DIS, 14:30-15:20 W, Vincent Hall 16, In Person Term Based; 3 cr.
 34009 001 LEC, 18:00-19:30 MW, Bruininks Hall 330, In Person Term Based; Robert Angarone ; 3 cr.

1139 College Algebra Skills

(S-N only;)

- 33078 001 LEC, 11:15-12:05 Th, Ford Hall 170, In Person Term Based; 1 cr.
 33079 002 LEC, 13:25-14:15 Th, Vincent Hall 364, In Person Term Based; 1 cr.

1142 Short Calculus

(Student Option; Prereq: Satisfactory score on placement test or grade of at least C- in [1031 or 1051]MATH)

- 23884 001 LEC, 18:00-20:05 MW, Vincent Hall 211, In Person Term Based; Judith Franklin ; 4 cr.
 23885 002 LEC, 18:00-20:05 TTh, Amundson Hall 120, In Person Term Based; Judith Franklin ; 4 cr.
 23886 010 LEC, 09:05-09:55 MWF, Akerman Hall 209, In Person Term Based; Mikal Nelson ; 4 cr.
 23887 011 DIS, 08:00-08:50 TTh, Vincent Hall 211, In Person Term Based; Libby Farrell ; 4 cr.
 23889 013 DIS, 09:05-09:55 TTh, Vincent Hall 211, In Person Term Based; Libby Farrell ; 4 cr.
 23890 014 DIS, 09:05-09:55 TTh, Vincent Hall 113, In Person Term Based; Juil Chung ; 4 cr.
 23891 020 LEC, 14:30-15:20 MWF, Anderson Hall 210, In Person Term Based; Mikal Nelson ; 4 cr.
 23892 021 DIS, 13:25-14:15 TTh, Vincent Hall 6, In Person Term Based; Cristian Camilo Chica Castano ; 4 cr.
 23893 022 DIS, 13:25-14:15 Th, Vincent Hall 211, In Person Term Based; Meets With: 023 MATH 1142; Shengzhen Ning ; 4 cr.
 23894 023 DIS, 13:25-14:15 TTh, Vincent Hall 211, In Person Term Based; Meets With: 022 MATH 1142; Shengzhen Ning ; 4 cr.

- 23895 024 DIS, 14:30-15:20 TTh, Vincent Hall 211, In Person Term Based; Shengzhen Ning ; 4 cr.
 24560 025 DIS, 14:30-15:20 TTh, Vincent Hall 6, In Person Term Based; Meets With: 026 MATH 1142; Cristian Camilo Chica Castano ; 4 cr.
 25123 026 DIS, 14:30-15:20 TTh, Vincent Hall 6, In Person Term Based; Meets With: 025 MATH 1142; Cristian Camilo Chica Castano ; 4 cr.
 26694 003 LEC, Completely Online; Angelina Schenck ; 4 cr.

1149 College Algebra Skills

(S-N only;)

- 32850 001 LEC, 11:15-12:05 Th, Vincent Hall 364, In Person Term Based; 1 cr.
 32851 002 LEC, 12:20-13:10 Th, Vincent Hall 364, In Person Term Based; 1 cr.
 32852 003 LEC, 14:30-15:20 Th, Vincent Hall 364, In Person Term Based; 1 cr.
 34884 004 LEC, 13:25-14:15 Th, Kolthoff Hall 137, In Person Term Based; 1 cr.

1151 Precalculus II

(Student Option; Prereq: Satisfactory score on placement exam or grade of at least C- in [1031 or 1051]MATH)

- 24280 020 LEC, 11:15-12:05 WF, Bruininks Hall 330, Partially Online; Shelley Kandola ; 3 cr.
 24281 030 LEC, 12:20-13:10 WF, Bruininks Hall 412, Partially Online; Megan McPeak ; 3 cr.
 24511 040 LEC, 13:25-14:15 WF, Bruininks Hall 412, Partially Online; Megan McPeak ; 3 cr.
 26257 050 LEC, 14:30-15:20 WF, Bruininks Hall 412, Partially Online; Megan McPeak ; 3 cr.
 26695 003 LEC, Completely Online; Craig Corsi ; 3 cr.
 26915 021 DIS, 11:15-12:05 M, Bruininks Hall 330, In Person Term Based; 3 cr.
 26916 031 DIS, 12:20-13:10 M, Vincent Hall 16, In Person Term Based; 3 cr.
 26917 041 DIS, 13:25-14:15 M, Bruininks Hall 412, In Person Term Based; 3 cr.
 26918 051 DIS, 14:30-15:20 M, Vincent Hall 16, In Person Term Based; 3 cr.
 33995 001 LEC, 18:00-19:30 TTh, Bruininks Hall 131A, In Person Term Based; Irene Noharinaivo ; 3 cr.

1241 Calculus and Dynamical Systems in Biology

(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]], CBS student[MATH])

- 25684 010 LEC, 14:30-15:45 WF, Bruininks Hall 114, In Person Term Based; Duane Nykamp ; 4 cr.
 25685 011 DIS, 11:15-12:05 Th, Vincent Hall 16, 11:15-12:05 T, Bruininks Hall 530B, In Person Term Based; Zanning Dai ; 4 cr.
 25686 012 DIS, 11:15-12:05 Th, Vincent Hall 16, 11:15-12:05 T, Bruininks Hall 530A, In Person Term Based; 4 cr.
 25923 013 DIS, 12:20-13:10 Th, Vincent Hall 16, 12:20-13:10 T, Bruininks Hall 530A, In Person Term Based; Zanning Dai ; 4 cr.
 25924 014 DIS, 12:20-13:10 Th, Vincent Hall 16, 12:20-13:10 T, Bruininks Hall 512A, In Person Term Based; Shuo Zhang ; 4 cr.
 25925 015 DIS, 13:25-14:15 Th, Vincent Hall 16, 13:25-14:15 T, Bruininks Hall 530A, In Person Term Based; 4 cr.
 25926 016 DIS, 13:25-14:15 Th, Vincent Hall 16, 13:25-14:15 T, Bruininks Hall 512B, In Person Term Based; Shuo Zhang ; 4 cr.

1269 Precalculus Skills

(S-N only;)

- 32840 001 LEC, 09:05-09:55 Th, Vincent Hall 301, In Person Term Based; 1 cr.
 32841 002 LEC, 10:10-11:00 Th, Vincent Hall 301, In Person Term Based; 1 cr.
 32842 003 LEC, 11:15-12:05 Th, Vincent Hall 301, In Person Term Based; 1 cr.
 32843 004 LEC, 12:20-13:10 Th, Vincent Hall 301, In Person Term Based; 1 cr.
 32844 005 LEC, 13:25-14:15 Th, Vincent Hall 301, In Person Term Based; 1 cr.
 32845 006 LEC, 14:30-15:20 Th, Vincent Hall 301, In Person Term Based; 1 cr.
 32846 007 LEC, 15:35-16:25 Th, Vincent Hall 301, In Person Term Based; 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)

- 23896 001 LEC, 18:00-20:05 MW, Vincent Hall 113, In Person Term Based; Diyi Liu ; 4 cr.
 23897 002 LEC, 18:00-20:05 TTh, Tate Hall B45, In Person Term Based; Tobias Ramaswamy ; 4 cr.

- 23898 020 LEC, 09:05-09:55 MWF, Willey Hall 175, In Person Term Based; Tomas Banuelos ; 4 cr.
 23899 021 DIS, 09:05-09:55 TTh, Ford Hall 151, In Person Term Based; Joseph Mcdonough ; 4 cr.
 23900 022 DIS, 09:05-09:55 TTh, Vincent Hall 6, In Person Term Based; E Koenig ; 4 cr.
 23901 023 DIS, 09:05-09:55 TTh, Akerman Hall 211, In Person Term Based; Danae Sarahi Galan Covarrubias ; 4 cr.
 23903 030 LEC, 12:20-13:10 MWF, Bruininks Hall 230, In Person Term Based; John O'Brien ; 4 cr.
 23904 031 DIS, 12:20-13:10 TTh, Akerman Hall 317, In Person Term Based; Yi Du ; 4 cr.
 23905 032 DIS, 12:20-13:10 TTh, Ford Hall 151, In Person Term Based; Lina Liu ; 4 cr.
 23906 033 DIS, 12:20-13:10 TTh, Amundson Hall 162, In Person Term Based; Nan Li ; 4 cr.
 23907 034 DIS, 12:20-13:10 TTh, Ford Hall 115, In Person Term Based; Mykola Sapronov ; 4 cr.
 24340 040 LEC, 13:25-14:15 MWF, Nicholson Hall 155, In Person Term Based; David Demark ; 4 cr.
 24341 041 DIS, 13:25-14:15 TTh, Akerman Hall 317, In Person Term Based; Connor Bass ; 4 cr.
 24342 042 DIS, 13:25-14:15 TTh, Ford Hall 151, In Person Term Based; Clara Buck ; 4 cr.
 24343 043 DIS, 13:25-14:15 TTh, Amundson Hall 162, In Person Term Based; Ian Ruohoniemi ; 4 cr.
 24344 050 LEC, 14:30-15:20 MWF, Bruininks Hall 230, In Person Term Based; Emily Gullerud ; 4 cr.
 24449 051 DIS, 14:30-15:20 TTh, Akerman Hall 317, In Person Term Based; Sagnik Mukherjee ; 4 cr.
 24450 052 DIS, 14:30-15:20 TTh, Akerman Hall 313, In Person Term Based; Pouya Layeghi ; 4 cr.
 24451 053 DIS, 14:30-15:20 TTh, Amundson Hall 162, In Person Term Based; Alexis Dasher ; 4 cr.
 24452 010 LEC, 08:00-08:50 MWF, Vincent Hall 16, In Person Term Based; Tomas Banuelos ; 4 cr.
 24453 011 DIS, 08:00-08:50 TTh, Vincent Hall 20, In Person Term Based; Hollee Trent ; 4 cr.
 24454 012 DIS, 08:00-08:50 TTh, Vincent Hall 2, In Person Term Based; Miranda Moore ; 4 cr.
 24455 013 DIS, 08:00-08:50 TTh, Vincent Hall 1, In Person Term Based; Vikas Yarltagadda ; 4 cr.
 24456 014 DIS, 09:05-09:55 TTh, Akerman Hall 313, In Person Term Based; Hollee Trent ; 4 cr.
 24599 035 DIS, 13:25-14:15 TTh, Mechanical Engineering 102, In Person Term Based; Yi Du ; 4 cr.
 24600 025 DIS, 10:10-11:00 TTh, Akerman Hall 317, In Person Term Based; Danae Sarahi Galan Covarrubias ; 4 cr.
 25006 015 DIS, 09:05-09:55 TTh, Ford Hall B80, In Person Term Based; Miranda Moore ; 4 cr.
 25114 026 DIS, 10:10-11:00 TTh, Pillsbury Hall 214, In Person Term Based; Drake Clark ; 4 cr.
 25115 036 DIS, 13:25-14:15 TTh, Ford Hall 150, In Person Term Based; Lina Liu ; 4 cr.
 25116 044 DIS, 14:30-15:20 TTh, Amundson Hall 158, In Person Term Based; Connor Bass ; 4 cr.
 25117 045 DIS, 14:30-15:20 TTh, Ford Hall 130, In Person Term Based; Clara Buck ; 4 cr.
 25493 070 LEC, 11:15-12:05 MWF, Bruininks Hall 220, In Person Term Based; Tomas Banuelos ; 4 cr.
 25496 071 DIS, 11:15-12:05 TTh, Ford Hall 151, In Person Term Based; Cole Willis ; 4 cr.
 25532 037 DIS, 13:25-14:15 TTh, Vincent Hall 113, In Person Term Based; Mykola Sapronov ; 4 cr.
 25533 046 DIS, 14:30-15:20 TTh, Ford Hall 151, In Person Term Based; Ian Ruohoniemi ; 4 cr.
 25534 055 DIS, 15:35-16:25 TTh, Akerman Hall 215, In Person Term Based; Sagnik Mukherjee ; 4 cr.
 25535 072 DIS, 11:15-12:05 TTh, Amundson Hall 162, In Person Term Based; Daniel Miao ; 4 cr.
 25536 073 DIS, 11:15-12:05 TTh, Molecular Cellular Biol 2-120, In Person Term Based; Shrivathsa Pandelu ; 4 cr.
 25537 074 DIS, 12:20-13:10 TTh, Vincent Hall 6, In Person Term Based; Cole Willis ; 4 cr.
 25769 027 DIS, 10:10-11:00 TTh, Ford Hall 151, In Person Term Based; Joseph Mcdonough ; 4 cr.
 26696 003 LEC, Completely Online; Meagan Kenney ; 4 cr.
 26697 004 LEC, Completely Online; Jon Roth ; 4 cr.
 26698 028 DIS, 10:10-11:00 TTh, Vincent Hall 213, In Person Term Based; E Koenig ; 4 cr.
 26699 038 DIS, 13:25-14:15 TTh, Amundson Hall 156, In Person Term Based; Nan Li ; 4 cr.
 26700 056 DIS, 15:35-16:25 TTh, Ford Hall 151, In Person Term Based; Pouya Layeghi ; 4 cr.
 26701 075 DIS, 12:20-13:10 TTh, Vincent Hall 211, In Person Term Based; Daniel Miao ; 4 cr.
 26702 076 DIS, 12:20-13:10 TTh, Vincent Hall 113, In Person Term Based; Shrivathsa Pandelu ; 4 cr.
 33450 057 DIS, 15:35-16:25 TTh, Amundson Hall 162, In Person Term Based; Alexis Dasher ; 4 cr.

1272 Calculus II

(Student Option; Prereq: [1271 or equiv] with grade of at least C-)

23908 020 LEC, 09:05-09:55 MWF, Vincent Hall 16, In Person Term Based; Craig Westerland; 4 cr.
 23909 021 DIS, 09:05-09:55 TTh, Vincent Hall 311, In Person Term Based; Salomea Jankovic; 4 cr.
 23910 022 DIS, 09:05-09:55 TTh, Vincent Hall 20, In Person Term Based; Sarbartha Bhattacharya; 4 cr.
 23911 023 DIS, 10:10-11:00 TTh, Akerman Hall 211, In Person Term Based; Salomea Jankovic; 4 cr.
 23912 024 DIS, 10:10-11:00 TTh, Tate Hall B55, In Person Term Based; Sarbartha Bhattacharya; 4 cr.
 23913 030 LEC, 13:25-14:15 MWF, Bruininks Hall 230, In Person Term Based; Craig Westerland; 4 cr.
 23914 031 DIS, 12:20-13:10 TTh, Vincent Hall 311, In Person Term Based; David Luo; 4 cr.
 23915 032 DIS, 12:20-13:10 TTh, Vincent Hall 20, In Person Term Based; Tara Gomes; 4 cr.
 23916 033 DIS, 12:20-13:10 TTh, Vincent Hall 1, In Person Term Based; Anh Hoang; 4 cr.
 23917 034 DIS, 13:25-14:15 TTh, Vincent Hall 311, In Person Term Based; David Luo; 4 cr.
 24334 040 LEC, 14:30-15:20 MWF, Nicholson Hall 275, In Person Term Based; Trevor Kam; 4 cr.
 24335 041 DIS, 14:30-15:20 TTh, Appleby Hall 226, In Person Term Based; Tori Braun; 4 cr.
 24336 042 DIS, 14:30-15:20 TTh, Elliott Hall N647, In Person Term Based; Merin A P; 4 cr.
 24337 043 DIS, 15:35-16:25 TTh, Appleby Hall 302, In Person Term Based; Tori Braun; 4 cr.
 24598 035 DIS, 13:25-14:15 TTh, Vincent Hall 20, In Person Term Based; Tara Gomes; 4 cr.
 24601 036 DIS, 13:25-14:15 TTh, Vincent Hall 2, In Person Term Based; Anh Hoang; 4 cr.
 26703 003 LEC, Completely Online; Michelle Mastrianni; 4 cr.

1371 CSE Calculus I

(Student Option; Prereq: CSE or pre-bioproduct concurrent registration is required (or allowed) in biosys engr (PRE), background in [precalculus, geometry, visualization of functions/graphs], instr consent; familiarity with graphing calculators recommended(MATH))

24058 020 LEC, 09:05-09:55 MW, Tate Hall 105, In Person Term Based; Eoin O'Hara; 4 cr.
 24059 022 DIS, 09:05-11:00 Th, Appleby Hall 103, 09:05-09:55 T, Ford Hall 130, In Person Term Based; Anneke Von Seeger; 4 cr.
 24060 023 DIS, 11:15-13:10 Th, Appleby Hall 319, 11:15-12:05 T, Ford Hall 150, In Person Term Based; Anneke Von Seeger; 4 cr.
 24061 024 DIS, 12:20-14:15 Th, Amundson Hall 124, 12:20-13:10 T, Ford Hall 150, In Person Term Based; Ike Goetzman; 4 cr.
 24062 030 LEC, 13:25-14:15 MW, Tate Hall 105, In Person Term Based; Eoin O'Hara; 4 cr.
 24063 031 DIS, 10:10-12:05 Th, Ford Hall 150, 10:10-11:00 T, Ford Hall 130, In Person Term Based; Moriah Elkin; 4 cr.
 24064 032 DIS, 11:15-13:10 Th, Appleby Hall 204, 11:15-12:05 T, Burton Hall 123, In Person Term Based; Tong Shi; 4 cr.
 24065 034 DIS, 12:20-14:15 Th, Mechanical Engineering 221, 12:20-13:10 T, Ford Hall 130, In Person Term Based; Moriah Elkin; 4 cr.
 24066 040 LEC, 14:30-15:20 MW, Tate Hall 105, In Person Term Based; Eoin O'Hara; 4 cr.
 24067 042 DIS, 11:15-13:10 Th, Burton Hall 123, 11:15-12:05 T, Appleby Hall 204, In Person Term Based; Xinchun Miao; 4 cr.
 24068 043 DIS, 10:10-12:05 Th, Blegen Hall 240, 11:15-12:05 T, Ford Hall 130, In Person Term Based; 4 cr.
 24592 025 DIS, 14:30-16:25 Th, Appleby Hall 303, 14:30-15:20 T, Peik Hall 155, In Person Term Based; Ike Goetzman; 4 cr.
 24593 035 DIS, 14:30-16:25 Th, Appleby Hall 3, 14:30-15:20 T, Vincent Hall 113, In Person Term Based; Tong Shi; 4 cr.
 24594 045 DIS, 14:30-16:25 Th, Cooke Hall 214, 14:30-15:20 T, Vincent Hall 311, In Person Term Based; Xinchun Miao; 4 cr.

1372 CSE Calculus II

(Student Option; Prereq: Grade of at least C- in [1371 or equiv], CSE or pre-Bioproduct/Biosys Engr)

24602 010 LEC, 09:05-09:55 MW, Anderson Hall 270, In Person Term Based; Jennie Morgan; 4 cr.
 24604 012 DIS, 09:05-11:00 Th, Appleby Hall 226, 09:05-09:55 T, Peik Hall 375, In Person Term Based; Orges Ormanidhi; 4 cr.
 24605 013 DIS, 10:10-12:05 Th, Ford Hall 130, 10:10-11:00 T, Peik Hall 375, In Person Term Based; Ahmed Naim Ghaniwala; 4 cr.
 24606 014 DIS, 12:20-14:15 Th, Keller Hall 3-115, 12:20-13:10 T, Pillsbury Hall 314, In Person Term Based; Orges Ormanidhi; 4 cr.
 25406 020 LEC, 12:20-13:10 MW, Tate Hall 101, In Person Term Based; Jennie Morgan; 4 cr.

25416 021 DIS, 08:00-09:55 Th, Tate Hall B85, 08:00-08:50 T, Vincent Hall 311, In Person Term Based; Guodong Xi; 4 cr.
 25417 022 DIS, 11:15-13:10 Th, Ford Hall 110, 11:15-12:05 T, Ford Hall 110, In Person Term Based; Guodong Xi; 4 cr.
 25418 023 DIS, 12:20-14:15 Th, Ford Hall 130, 12:20-13:10 T, Ford Hall 110, In Person Term Based; Navanshu Khare; 4 cr.
 25419 024 DIS, 14:30-16:25 Th, Vincent Hall 311, 14:30-15:20 T, Vincent Hall 12, In Person Term Based; Navanshu Khare; 4 cr.
 25607 015 DIS, 14:30-16:25 Th, Peik Hall 315, 14:30-15:20 T, Vincent Hall 20, In Person Term Based; Ahmed Naim Ghaniwala; 4 cr.

1571H Honors Calculus I

(A-F only; Prereq: Honors student and permission of University Honors Program(MATH))

24077 010 LEC, 10:10-11:00 MWF, Burton Hall 120, In Person Term Based; Pei-Ken Hung; 4 cr.
 24079 012 DIS, 10:10-11:00 TTh, Kolthoff Hall 138, In Person Term Based; Kaelyn Willingham; 4 cr.

1572H Honors Calculus II

(A-F only; Prereq: 1571H, honors student, permission of University Honors Program)

25748 010 LEC, 10:10-11:00 MWF, Akerman Hall 225, In Person Term Based; Adrian Diaconu; 4 cr.
 25749 011 DIS, 09:05-09:55 TTh, Vincent Hall 209, In Person Term Based; Shaohan Li; 4 cr.
 25750 012 DIS, 10:10-11:00 TTh, Kolthoff Hall 137, In Person Term Based; Shaohan Li; 4 cr.

2142 Elementary Linear Algebra

(Student Option; Prerequisites: MATH 1272 or equivalent)

26704 010 LEC, 11:15-12:05 MWF, Tate Hall 110, In Person Term Based; Greg Anderson; 4 cr.
 26705 011 DIS, 10:10-11:00 TTh, Amundson Hall 156, In Person Term Based; Naomi Burks; 4 cr.
 26706 012 DIS, 11:15-12:05 TTh, Tate Hall B45, In Person Term Based; Naomi Burks; 4 cr.

2243 Linear Algebra and Differential Equations

(Student Option; Prereq: [1272 or 1282 or 1372 or 1572] w/grade of at least C-)

23918 001 LEC, 18:00-20:05 MW, Vincent Hall 311, In Person Term Based; Thomas Sundquist; 4 cr.
 23919 020 LEC, 11:15-12:05 MWF, Tate Hall 101, In Person Term Based; Jay Stotsky; 4 cr.
 23920 021 DIS, 10:10-11:00 TTh, Vincent Hall 209, In Person Term Based; Christine Brasic; 4 cr.
 23921 023 DIS, 10:10-11:00 TTh, Kolthoff Hall 135, In Person Term Based; Zhengyi Gong; 4 cr.
 25415 024 DIS, 11:15-12:05 TTh, Kolthoff Hall 138, In Person Term Based; Christine Brasic; 4 cr.
 25424 030 LEC, 14:30-15:20 MWF, Nicholson Hall 155, In Person Term Based; Ionut Ciocan-Fontanine; 4 cr.
 25425 031 DIS, 14:30-15:20 TTh, Kolthoff Hall 139, In Person Term Based; Shengkai Mao; 4 cr.
 25426 032 DIS, 14:30-15:20 TTh, Ford Hall B53, In Person Term Based; Thomas Sundquist; 4 cr.
 25490 034 DIS, 15:35-16:25 TTh, Vincent Hall 209, In Person Term Based; Shengkai Mao; 4 cr.
 25492 025 DIS, 11:15-12:05 TTh, Kolthoff Hall 137, In Person Term Based; Zhengyi Gong; 4 cr.
 26707 003 LEC, Completely Online; Calista Bernard; 4 cr.

2263 Multivariable Calculus

(Student Option; Prereq: [1272 or 1372 or 1572] w/grade of at least C-)

23922 001 LEC, 18:00-20:05 MW, Vincent Hall 206, In Person Term Based; Dorian Smith; 4 cr.
 23923 010 LEC, 10:10-11:00 MWF, Rapson Hall 100, In Person Term Based; Lingfei Yi; 4 cr.
 23924 011 DIS, 10:10-11:00 TTh, Kolthoff Hall 132, In Person Term Based; Sylvester Zhang; 4 cr.
 23925 012 DIS, 10:10-11:00 TTh, Vincent Hall 6, In Person Term Based; Liam Keenan; 4 cr.
 23926 013 DIS, 10:10-11:00 TTh, Vincent Hall 211, In Person Term Based; Eli Schlossberg; 4 cr.
 23927 014 DIS, 11:15-12:05 TTh, Tate Hall B85, In Person Term Based; Sylvester Zhang; 4 cr.
 23928 020 LEC, 14:30-15:20 MWF, Smith Hall 331, In Person Term Based; Lingfei Yi; 4 cr.
 23929 021 DIS, 13:25-14:15 TTh, Vincent Hall 209, In Person Term Based; Devraj Duggal; 4 cr.
 23930 022 DIS, 13:25-14:15 TTh, Vincent Hall 207, In Person Term Based; Wenjie Lu; 4 cr.
 24448 002 LEC, 18:00-20:05 TTh, Vincent Hall 206, In Person Term Based; Maria Sanchez Muniz; 4 cr.
 25462 023 DIS, 14:30-15:20 TTh, Kolthoff Hall 140, In Person Term Based; Devraj Duggal; 4 cr.
 25538 024 DIS, 14:30-15:20 TTh, Cooke Hall 215, In Person Term Based; Wenjie Lu; 4 cr.

25640 015 DIS, 11:15-12:05 TTh, Vincent Hall 6, In Person Term Based; Liam Keenan; 4 cr.
 25844 016 DIS, 11:15-12:05 TTh, Vincent Hall 211, In Person Term Based; Eli Schlossberg; 4 cr.
 26708 003 LEC, Completely Online; Jon Roth; 4 cr.
 26709 017 DIS, 11:15-12:05 TTh, Vincent Hall 113, In Person Term Based; Angel Chavez; 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)

24069 010 LEC, 11:15-12:05 MW, Anderson Hall 350, In Person Term Based; Terrence Stanley; 4 cr.
 24070 012 DIS, 10:10-11:00 Th, Bruininks Hall 144, 09:05-09:55 TTh, Vincent Hall 207, In Person Term Based; Zane Huttinga, Krishna Sugeeth Thummalapally; 4 cr.
 24071 013 DIS, 11:15-12:05 Th, Blegen Hall 435, 10:10-11:00 TTh, Vincent Hall 113, In Person Term Based; Zane Huttinga, Sharey Guleria; 4 cr.
 24072 020 LEC, 13:25-14:15 MW, Anderson Hall 370, In Person Term Based; Terrence Stanley; 4 cr.
 24073 021 DIS, 09:05-09:55 T, Kolthoff Hall 138, 08:00-08:50 TTh, Vincent Hall 206, In Person Term Based; Fikri Goksu, Saahil Samant; 4 cr.
 24074 022 DIS, 10:10-11:00 T, Ford Hall 150, 09:05-09:55 TTh, Vincent Hall 206, In Person Term Based; Fikri Goksu, Carlos Osco Huaricapcha; 4 cr.
 24075 023 DIS, 11:15-12:05 T, Bruininks Hall 117, 10:10-11:00 TTh, Vincent Hall 311, In Person Term Based; Fikri Goksu, Sharey Guleria; 4 cr.
 24076 024 DIS, 12:20-13:10 T, Mechanical Engineering 321, 11:15-12:05 TTh, Vincent Hall 20, In Person Term Based; Fikri Goksu, Carlos Osco Huaricapcha; 4 cr.
 24447 014 DIS, 12:20-13:10 Th, Ford Hall 150, 11:15-12:05 TTh, Vincent Hall 311, In Person Term Based; Heejune Kim, Krishna Sugeeth Thummalapally; 4 cr.
 24595 015 DIS, 13:25-14:15 Th, Kolthoff Hall 138, 12:20-13:10 TTh, Vincent Hall 209, In Person Term Based; Heejune Kim, Saahil Samant; 4 cr.
 25110 025 DIS, 13:25-14:15 T, Bruininks Hall 230, 12:20-13:10 TTh, Vincent Hall 207, In Person Term Based; Zhaolin Li, Carlos Osco Huaricapcha; 4 cr.
 26475 030 LEC, 15:35-16:25 MW, Bruininks Hall 230, In Person Term Based; Terrence Stanley; 4 cr.
 26476 031 DIS, 14:30-15:20 T, Vincent Hall 209, 13:25-14:15 TTh, Vincent Hall 206, In Person Term Based; Zhaolin Li, Carlos Osco Huaricapcha; 4 cr.
 26477 032 DIS, 15:35-16:25 T, Vincent Hall 311, 14:30-15:20 TTh, Kolthoff Hall 137, In Person Term Based; Cheng Chen, Lavanith Togaru; 4 cr.
 26478 033 DIS, 16:40-17:30 T, Vincent Hall 206, 15:35-16:25 TTh, Vincent Hall 207, In Person Term Based; Cheng Chen, Lavanith Togaru; 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)

24457 010 LEC, 09:05-09:55 WF, Blegen Hall 10, In Person Term Based; Grace Zhang; 4 cr.
 24458 012 DIS, 10:10-11:00 Th, Peik Hall 375, 09:05-09:55 TTh, Vincent Hall 2, In Person Term Based; Peihang Wu, Parul Herur; 4 cr.
 24459 013 DIS, 11:15-12:05 Th, Akerman Hall 215, 10:10-11:00 TTh, Vincent Hall 2, In Person Term Based; Peihang Wu, Parul Herur; 4 cr.
 24460 014 DIS, 12:20-13:10 Th, Mechanical Engineering 102, 11:15-12:05 TTh, Vincent Hall 2, In Person Term Based; Ratul Biswas, Tianhao Zhang; 4 cr.
 24461 020 LEC, 13:25-14:15 WF, Vincent Hall 16, In Person Term Based; Alexander Voronov; 4 cr.
 24462 021 DIS, 14:30-15:20 Th, Vincent Hall 2, 13:25-14:15 TTh, Vincent Hall 1, In Person Term Based; HyeKyung Kim, Tianhao Zhang; 4 cr.
 24463 022 DIS, 15:35-16:25 Th, Tate Hall B85, 14:30-15:20 TTh, Tate Hall B85, In Person Term Based; HyeKyung Kim, Tianhao Zhang; 4 cr.
 24464 023 DIS, 16:40-17:30 Th, Vincent Hall 311, 15:35-16:25 TTh, Amundson Hall 158, In Person Term Based; Matthew Sikkink Johnson, Sameer Swain; 4 cr.
 24465 024 DIS, 17:45-18:35 Th, Vincent Hall 311, 16:40-17:30 TTh, Tate Hall B45, In Person Term Based; Matthew Sikkink Johnson, Sameer Swain; 4 cr.
 25070 015 DIS, 13:25-14:15 Th, Appleby Hall 319, 12:20-13:10 TTh, Vincent Hall 2, In Person Term Based; Ratul Biswas, Tianhao Zhang; 4 cr.

2573H Honors Calculus III

(A-F only; Prereq: Math 1572H or Math 2574H, honors student and permission of University Honors Program)

24080 010 LEC, 10:10-11:00 MWF, Smith Hall 331, In Person Term Based; Michelle Chu; 4 cr.

25484 013 DIS, 09:05-09:55 TTh, Vincent Hall 1, In Person Term Based; Marshall Smith ; 4 cr.
25632 014 DIS, 10:10-11:00 TTh, Vincent Hall 20, In Person Term Based; 4 cr.
25633 015 DIS, 10:10-11:00 TTh, Vincent Hall 1, In Person Term Based; 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-WI)

24315 010 LEC, 11:15-12:05 MWF, Anderson Hall 270, In Person Term Based; Bryan Mosher ; 4 cr.
24316 012 DIS, 10:10-11:00 TTh, Vincent Hall 207, In Person Term Based; Elise Catania ; 4 cr.
25102 013 DIS, 10:10-11:00 TTh, Vincent Hall 206, In Person Term Based; Yorkinoy Shermatova ; 4 cr.
25539 014 DIS, 11:15-12:05 TTh, Vincent Hall 1, In Person Term Based; Carolyn Stephen ; 4 cr.
25630 015 DIS, 11:15-12:05 TTh, Vincent Hall 213, In Person Term Based; Aaron Li ; 4 cr.
26711 017 DIS, 11:15-12:05 TTh, Vincent Hall 207, In Person Term Based; Anastasia Nathanson ; 4 cr.
26712 016 DIS, 11:15-12:05 TTh, Vincent Hall 209, In Person Term Based; Sasha Pevzner ; 4 cr.

3592H Honors Mathematics I

(A-F only; Prereq: dept consent; for students with mathematical talent)

24574 010 LEC, 10:10-11:00 MWF, Smith Hall 121, In Person Term Based; Markus Keel ; 5 cr.
24575 011 DIS, 10:10-11:00 TTh, Smith Hall 111, In Person Term Based; ; 5 cr.

4065 Theory of Interest

(A-F only; Prereq: 1272 or 1372 or 1572)

24546 001 LEC, 10:10-12:05 MW, Vincent Hall 6, In Person Term Based; Breanne Richins ; 4 cr.
25540 002 LEC, 12:20-14:15 MW, Amundson Hall 158, In Person Term Based; Katherine Kovarik ; 4 cr.

4067W Actuarial Mathematics in Practice

(A-F only; Prereq: 4065, ACCT 2050, ECON 1101, ECON 1102WI)

25747 001 LEC, 17:00-19:30 T, Bruininks Hall 512A, In Person Term Based; Doreen Vescelius ; 3 cr.

4242 Applied Linear Algebra

(Student Option; Prereq: 2243 or 2373 or 2573)

24273 010 LEC, 09:05-09:55 MWF, Tate Hall 110, In Person Term Based; Peter Oliver ; 4 cr.
25296 030 LEC, 12:20-13:10 MWF, Smith Hall 231, In Person Term Based; Pavlo Pylyavskyy ; 4 cr.
25383 040 LEC, 13:25-14:15 MWF, Burton Hall 120, In Person Term Based; Jiaping Wang ; 4 cr.
25541 050 LEC, 14:30-15:20 MWF, Burton Hall 120, In Person Term Based; Pavlo Pylyavskyy ; 4 cr.

4281 Introduction to Modern Algebra

(Student Option; Prereq: 2283 or 3283 or instr consent)

25711 001 LEC, 11:15-12:05 MWF, Vincent Hall 113, In Person Term Based; Christine Berkesch ; 4 cr.
25841 002 LEC, 13:25-14:15 MWF, Vincent Hall 211, In Person Term Based; Michael Perlman ; 4 cr.

4512 Differential Equations with

Applications

(Student Option; Prereq: 2243 or 2373 or 2573)

24106 001 LEC, 10:10-11:00 MWF, Vincent Hall 311, In Person Term Based; Peter Polacik ; 3 cr.

4567 Applied Fourier Analysis

(Student Option; Prereq: 2243 or 2373 or 2573)

24111 001 LEC, 12:20-13:10 MWF, Vincent Hall 1, In Person Term Based; Dmytro Bilyk ; 4 cr.

4603 Advanced Calculus I

(Student Option; Prereq: [[2243 or 2373], [2263 or 2374]] or 2574 or instr consent)

25554 001 LEC, 09:05-11:00 TTh, Amundson Hall 162, In Person Term Based; Scot Adams ; 4 cr.
25842 002 LEC, 11:15-13:10 TTh, Vincent Hall 206, In Person Term Based; Scot Adams ; 4 cr.

4653 Elementary Probability

(Student Option; Prereq: [2263 or 2374 or 2573]; [2283 or 2574 or 3283] recommended)

25062 001 LEC, 16:40-18:35 TTh, Vincent Hall 207, In Person Term Based; Devadatta Ganesh Hegde ; 4 cr.

4707 Introduction to Combinatorics and Graph Theory

(Student Option; Prereq: 2243, [2283 or 3283])

24552 001 LEC, 14:30-16:25 MW, Vincent Hall 113, In Person Term Based; Kayla Wright ; 4 cr.

4991 Independent Writing

(Student Option;)

24282 001 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.
25281 002 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.
25637 003 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.
25855 004 IND, 00:00-00:00 , In Person Term Based; 1-4 cr.
25866 005 IND, 00:00-00:00 , In Person Term Based; 1-4 cr.

4992 Directed Reading

(Student Option;)

24285 001 IND, 00:00-00:00 , Independent/Directed Study; Daoji Huang ; 1-4 cr.
25388 002 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.

4993 Directed Study

(Student Option;)

24286 001 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.
25386 002 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.
25573 003 IND, 00:00-00:00 , Independent/Directed Study; 1-4 cr.
25576 004 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)

24542 001 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25034 002 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25035 005 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25036 004 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25037 003 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25644 006 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25856 007 IND, 00:00-00:00 , In Person Term Based; 1 cr.
25857 008 IND, 00:00-00:00 , In Person Term Based; 1 cr.
25862 009 IND, 00:00-00:00 , In Person Term Based; 1 cr.
25864 010 IND, 00:00-00:00 , In Person Term Based; 1 cr.
27082 011 IND, In Person Term Based; 1 cr.

4997W Senior project (Writing Intensive)

(A-F or Audit; Prereq: 2 sem upper div math, dept consentWI)

24543 001 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25038 002 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25039 003 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25040 004 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25041 005 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25042 006 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25499 007 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25500 008 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25569 009 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25570 010 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25571 011 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25572 012 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25574 013 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25575 014 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25773 015 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25774 016 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
25775 017 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

25776 018 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

25858 019 IND, 00:00-00:00 , In Person Term Based; 1 cr.
25859 020 IND, 00:00-00:00 , In Person Term Based; 1 cr.
25861 021 IND, 00:00-00:00 , In Person Term Based; 1 cr.
25863 022 IND, 00:00-00:00 , In Person Term Based; 1 cr.
25865 023 IND, 00:00-00:00 , In Person Term Based; 1 cr.
25966 024 IND, 00:00-00:00 , In Person Term Based; 1 cr.
25968 025 IND, 00:00-00:00 , In Person Term Based; 1 cr.
25969 026 IND, 00:00-00:00 , In Person Term Based; 1 cr.
26395 027 IND, In Person Term Based; 1 cr.
26397 028 IND, In Person Term Based; 1 cr.
26398 029 IND, In Person Term Based; 1 cr.

5067 Actuarial Mathematics I

(Student Option; Prereq: 4065, [one sem [4xxx or 5xxx] [probability or statistics] course])

24015 001 LEC, 12:20-14:15 MW, Ford Hall B15, In Person Term Based; Breanne Richins ; 4 cr.
25556 002 LEC, 12:20-14:15 MW, Tate Hall B85, In Person Term Based; Aileen Lyle ; 4 cr.

5075 Mathematics of Options, Futures, and Derivative Securities I

(Student Option; Prereq: Two yrs calculus, basic computer skills)

24317 001 LEC, 10:10-12:05 MW, Vincent Hall 211, In Person Term Based; Katherine Kovarik ; 4 cr.

5165 Mathematical Logic I

(Student Option; Prereq: 2283 or 3283 or Phil 5201 or CSci course in theory of algorithms or instr consent)

24029 001 LEC, 14:30-15:20 MWF, Vincent Hall 311, In Person Term Based; Karel Priky ; 4 cr.

5248 Cryptology and Number Theory

(Student Option; Prereq: 2 sems soph math)

24108 001 LEC, 16:00-17:15 MW, Vincent Hall 311, In Person Term Based; Gennady Lyubeznik ; 4 cr.
24959 002 LEC, 14:30-15:45 MW, Vincent Hall 2, In Person Term Based; Kai-Wen Lan ; 4 cr.
25840 003 LEC, 14:30-15:45 TTh, Vincent Hall 1, In Person Term Based; Andrew Odlyzko ; 4 cr.

5251 Error-Correcting Codes, Finite Fields, Algebraic Curves

(Student Option; Prereq: 2 sems soph math)

25060 001 LEC, 13:25-14:15 MWF, Vincent Hall 20, In Person Term Based; Gennady Lyubeznik ; 4 cr.

5285H Honors: Fundamental Structures of Algebra I

(Student Option; Prereq: [2243 or 2373 or 2573], [2283 or 2574 or 3283])

24092 001 LEC, 10:10-11:00 MWF, Vincent Hall 20, In Person Term Based; Monica Lewis ; 4 cr.

5335 Geometry I

(Student Option; Prereq: [2243 or 2373 or 2573], [concurrent registration is required (or allowed) in 2263 or concurrent registration is required (or allowed) in 2374 or concurrent registration is required (or allowed) in 2574])

24093 001 LEC, 12:20-14:15 MW, Tate Hall B45, In Person Term Based; Jonathan Rogness ; 4 cr.

5345H Honors: Introduction to Topology

(A-F only; Prereq: [2263 or 2374 or 2573], [concurrent registration is required (or allowed) in 2283 or concurrent registration is required (or allowed) in 2574 or concurrent registration is required (or allowed) in 3283])

24109 001 LEC, 11:15-12:05 MWF, Vincent Hall 311, In Person Term Based; Tyler Lawson ; 4 cr.

5447 Theoretical Neuroscience

(Student Option; Prereq: 2243 or 2373 or 2574)

26499 001 LEC, 13:00-14:15 WF, Amundson Hall 156, In Person Term Based; Duane Nykamp ; 4 cr.

5485 Introduction to Numerical Methods I

(Student Option; Prereq: [2243 or 2373 or 2573], familiarity with some programming language)

24110 001 LEC, 13:25-14:15 MWF, Vincent Hall 209, In Person Term Based; Kunlun Qi ; 4 cr.
26368 002 LEC, 14:30-15:20 MWF, Vincent Hall 211, In Person Term Based; Kunlun Qi ; 4 cr.

5535 Dynamical Systems and Chaos

(Student Option; Prereq: [2243 or 2373 or 2573], [2263 or 2374 or 2574])

24107 001 LEC, 12:20-14:15 MW, Vincent Hall 6, In Person Term Based; Rick Moeckel ; 4 cr.

5587 Elementary Partial Differential Equations I**(Student Option; Prereq: [2243 or 2373 or 2573], [2263 or 2374 or 2574])**24328 001 LEC, 14:30-15:45 TTh, Vincent Hall 206, In Person Term Based; Carme Calderer ; 4 cr.
24554 002 LEC, 16:45-18:00 TTh, Vincent Hall 209, In Person Term Based; Lili Yan ; 4 cr.**5615H Honors: Introduction to Analysis I****(Student Option; Prereq: [[2243 or 2373], [2263 or 2374], [2283 or 3283]] or 2574)**24104 001 LEC, 12:20-13:10 MWF, Vincent Hall 207, In Person Term Based; Daniel Spirn ; 4 cr.
24105 002 LEC, 14:30-15:20 MWF, Vincent Hall 20, In Person Term Based; 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.)**24112 001 LEC, 10:10-12:05 TTh, Blegen Hall 330, In Person Term Based; Markus Keel ; 4 cr.
24445 002 LEC, 12:20-14:15 TTh, Kolthoff Hall 135, In Person Term Based; Laura Shou ; 4 cr.
25619 003 LEC, 14:30-16:25 TTh, Mechanical Engineering 221, In Person Term Based; Laura Shou ; 4 cr.**5652 Introduction to Stochastic Processes****(Student Option; Prereq: 5651 or Stat 5101)**24561 001 LEC, 10:10-12:05 TTh, Blegen Hall 225, In Person Term Based; Anna Kraut ; 4 cr.
25756 002 LEC, 16:40-18:35 TTh, Ford Hall 151, In Person Term Based; Anna Kraut ; 4 cr.**5705 Enumerative Combinatorics****(Student Option; Prereq: [2243 or 2373 or 2573], [2263 or 2283 or 2374 or 2574 or 3283])**

26003 001 LEC, 14:30-16:25 MW, Vincent Hall 206, In Person Term Based; Hannah Burson ; 4 cr.

5711 Linear Programming and Combinatorial Optimization**(Student Option; Prereq: 2 sems soph math [including 2243 or 2373 or 2573])**25134 001 LEC, 11:15-13:10 MW, Mechanical Engineering 108, In Person Term Based; Meets With: 001 IE 5531; Yiling Zhang ; 4 cr.
26659 883 LEC, 11:15-13:10 MW, Twin Cities Remote, Completely Online; Yiling Zhang ; 4 cr.**5900 Tutorial in Advanced Mathematics****(A-F or Audit;)**

25912 001 IND, In Person Term Based; 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)**16695 001 LEC, 10:30-11:45 MW, Lrng & Environmental Sci 139B, In Person Term Based; Alyssa Kasahara ; 3 cr.
16828 002 LEC, 13:30-14:45 MW, Lrng & Environmental Sci 139B, In Person Term Based; Kamie Stack ; 3 cr.**3102 Mathematics and Pedagogy for Elementary Teachers II****(A-F or Audit; Prereq: 3101, college algebra)**

16745 001 LEC, 08:45-10:00 MW, Lrng & Environmental Sci 139B, In Person Term Based; Amber Armstrong ; 3 cr.

5021 Algebraic Structures in School Mathematics**(Student Option; Prereq: Tchg exper or instr consent)**

17474 001 LEC, 12:20-14:20 TTh, Lrng & Environmental Sci 139B, In Person Term Based; Erin Baldinger ; 3 cr.

5115 Applications of Teaching Mathematics**(A-F only; Prereq: You must be enrolled in the Mathematics initial licensure program to take this course.)**

17377 001 FWK, 08:00-11:00 MTWThF, No Room Required, In Person Term Based; Sophie Kasahara ; 3 cr.

5314 Teaching and Learning Mathematics**(Student Option; Prereq: Math Ed or MEd or CI MEd or grad student or instr consent)**

17014 001 LEC, 16:40-19:20 T, Lrng & Environmental Sci 139B, In Person Term Based; Erin Baldinger ; 3 cr.

5355 Mathematics for Diverse Learners**(Student Option; Prereq: Teaching license or student in elem ed or special ed or instr consent)**17512 001 LEC, 16:40-19:20 M, Lrng & Environmental Sci 139A, In Person Term Based; Terrence Wyberg ; 3 cr.
17521 002 LEC, 08:45-11:25 Th, Lrng & Environmental Sci 139A, In Person Term Based; Terrence Wyberg ; 3 cr.**5696 Student Teaching in Mathematics****(S-N only; Prereq: MEd/initial licensure student or instr consent)**

17595 001 FWK, In Person Term Based; 1-8 cr.

5993 Directed Studies in Mathematics Education**(S-N or Audit; Prereq: Math ed MEd student, instr consent)**

16365 001 IND, Independent/Directed Study; 2 cr.

Mechanical Engineering (ME)**2011 Introduction to Engineering****(A-F or Audit; Prereq: CSE pre-major)**

24534 001 LEC, 14:30-16:25 M, Willey Hall 125, In Person Term Based; Will Durfee ; 4 cr.

24535 003 LAB, 14:30-16:25 W, Armory Building 202, In Person Term Based; Will Durfee ; 4 cr.

24536 004 LAB, 14:30-16:25 W, Wulling Hall 240, In Person Term Based; Will Durfee ; 4 cr.

24537 006 LAB, 14:30-16:25 W, Ford Hall B10, In Person Term Based; Will Durfee ; 4 cr.

24538 007 LAB, 14:30-16:25 W, Mechanical Engineering 321, In Person Term Based; Will Durfee ; 4 cr.

25834 008 LAB, 08:00-09:55 W, Tate Hall 120, In Person Term Based; Will Durfee ; 4 cr.

26310 011 LAB, 14:30-16:25 W, Peik Gymnasium G55, In Person Term Based; Will Durfee ; 4 cr.

26785 002 LAB, 14:30-16:25 W, Cooke Hall 214, In Person Term Based; Will Durfee ; 4 cr.

3221 Fundamentals of Design & Manufacturing**(A-F or Audit; Prereq: 2011, AEM 3031, MatS 2001)**

24186 001 LEC, 13:25-14:15 MWF, Rapson Hall 100, In Person Term Based; Susan Mantell ; 4 cr.

24187 003 LAB, 08:00-09:55 T, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24188 004 LAB, 10:10-12:05 T, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24189 005 LAB, 12:20-14:15 T, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24190 006 LAB, 14:30-16:25 T, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24191 007 LAB, 08:00-09:55 W, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24192 008 LAB, 10:10-12:05 W, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24193 009 LAB, 14:30-16:25 W, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24194 010 LAB, 08:00-09:55 Th, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24326 011 LAB, 10:10-12:05 Th, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24327 012 LAB, 12:20-14:15 Th, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24347 013 LAB, 14:30-16:25 Th, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

24501 016 DIS, 08:00-09:55 M, Cooke Hall 214, In Person Term Based; Susan Mantell ; 4 cr.

24502 017 DIS, 10:10-12:05 M, Cooke Hall 214, In Person Term Based; Susan Mantell ; 4 cr.

24503 018 DIS, 16:40-18:35 W, Rapson Hall 58, In Person Term Based; Susan Mantell ; 4 cr.

24504 019 DIS, 16:40-18:35 Th, Akerman Hall 225, In Person Term Based; Susan Mantell ; 4 cr.

25846 021 LAB, 16:40-18:35 T, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

25847 022 LAB, 14:30-16:25 F, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

26636 023 LAB, 10:10-12:05 F, Lab TBA, In Person Term Based; Susan Mantell ; 4 cr.

26786 024 LAB, 08:00-09:55 F, Lab TBA, In Person Term Based; Susan Mantell ; 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])**

25385 001 LEC, 11:15-12:05 WF, Keller Hall 3-230, 11:15-12:05 M, Mayo Bldg & Additions 3-100, In Person Term Based; Julianna Abel ; 4 cr.

25551 002 DIS, 14:30-16:25 T, Cooke Hall 214, In Person Term Based; Julianna Abel ; 4 cr.

25552 003 DIS, 12:20-14:15 W, Rapson Hall 58, In Person Term Based; Julianna Abel ; 4 cr.

25553 004 DIS, 14:30-16:25 Th, Mechanical Engineering 321, In Person Term Based; Julianna Abel ; 4 cr.

3281 System Dynamics and Control**(A-F or Audit; Prereq: AEM 2021, [Math 2243 or Math 2373], ME upper div)**

24195 001 LEC, 10:10-11:00 MWF, Vincent Hall 16, In Person Term Based; Perry Li ; 4 cr.

24196 002 DIS, 12:20-14:15 T, Vincent Hall 16, In Person Term Based; Perry Li ; 4 cr.

24197 003 DIS, 14:30-16:25 T, Rapson Hall 45, In Person Term Based; Perry Li ; 4 cr.

3324 Introduction to Thermal Science**(A-F or Audit; Prereq: Chem 1061, Chem 1065, Math 2243 or Math 2373, Phys 1301, [CSE student])**

24539 001 LEC, 12:20-13:10 MWThF, Mayo Bldg & Additions 3-125, In Person Term Based; Traian Dumitrica ; 3 cr.

3331 Thermodynamics**(A-F only; Prereq: Chem 1061, Chem 1065, Phys 1301)**

25389 003 LEC, 11:15-12:05 MWF, Rapson Hall 45, In Person Term Based; William Northrop ; 3 cr.

25390 004 DIS, 11:15-12:05 Th, Mechanical Engineering 108, In Person Term Based; William Northrop ; 3 cr.

3332 Fluid Mechanics**(A-F only; Prereq: Math 2243 or Math 2373, 3331)**

25059 001 LEC, 09:05-09:55 MWF, Bruininks Hall 412, In Person Term Based; Paul Strykowski ; 3 cr.

25734 003 DIS, 10:10-11:00 F, Bruininks Hall 330, In Person Term Based; Paul Strykowski ; 3 cr.

26156 008 DIS, 12:20-13:10 Th, Bruininks Hall 230, In Person Term Based; Lian Shen ; 3 cr.

26157 007 LEC, 12:20-13:10 MWF, Tate Hall 110, In Person Term Based; Lian Shen ; 3 cr.

3333 Heat Transfer**(A-F only; Prereq: 3332)**

25131 001 LEC, 09:05-09:55 MWF, Rapson Hall 43, In Person Term Based; Chris Hogan ; 3 cr.

25550 002 DIS, 12:20-13:10 F, Rapson Hall 43, In Person Term Based; Chris Hogan ; 3 cr.

3990 Curricular Practical Training**(S-N only; Prereq: ME major)**

25934 001 FWK, 00:00-00:00 , , Independent/Directed Study; Terrence Simon ; 1 cr.

4031W Basic Mechanical Measurements Laboratory**(A-F or Audit; Prereq: IE 4521, upper div MEWI)**

24291 001 LEC, 08:15-09:30 TTh, Mechanical Engineering 108, In Person Term Based; Ognjen Ilic ; 4 cr.

24527 003 LAB, 10:10-13:10 T, Lab TBA, In Person Term Based; Ognjen Ilic ; 4 cr.

24528 005 LAB, 10:10-13:10 Th, Lab TBA, In Person Term Based; Ognjen Ilic ; 4 cr.

24529 007 LAB, 13:25-16:25 M, Lab TBA, In Person Term Based; Ognjen Ilic ; 4 cr.

24530 008 LAB, 13:25-16:25 T, Lab TBA, In Person Term Based; Ognjen Ilic ; 4 cr.

24531 010 LAB, 13:25-16:25 Th, Lab TBA, In Person Term Based; Ognjen Ilic ; 4 cr.

24532 013 LAB, 16:40-19:40 T, Lab TBA, In Person Term Based; Ognjen Ilic ; 4 cr.

24533 014 LAB, 16:40-19:40 W, Lab TBA, In Person Term Based; Ognjen Ilic ; 4 cr.

4053 Mechanical Engineering Modeling**(Student Option;)**

26344 001 LEC, 10:10-12:05 TTh, Bruininks Hall 330, In Person Term Based; Thomas Chase, Matt Anderson ; 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)**

24212 001 LEC, 16:00-17:30 T, Bruininks Hall 412, In Person Term Based; Arthur Erdman ; 4 cr.

24213 002 DIS, 16:00-17:30 Th, Bruininks Hall 412, 14:30-15:45 TTh, Bruininks Hall 412, In Person Term Based; Arthur Erdman ; 4 cr.

4090 Advanced Engineering Problems**(Student Option; Prereq: ME upper div, instr consent)**

24290 001 IND, 00:00-00:00 , , In Person Term Based; 2-4 cr.

25133 002 IND, 00:00-00:00 , , In Person Term Based; 2-4 cr.
26389 003 IND, In Person Term Based; 2-4 cr.
26396 004 IND, In Person Term Based; 2-4 cr.

4131W Indoor Environment & Energy Laboratory

(A-F or Audit; Prereq: ME 3333, ME 4031W, admitted to upper division/ME major/WI)
25728 001 LEC, 09:05-09:55 T, Mechanical Engineering 221, In Person Term Based; Uwe Kortshagen ; 4 cr.
25729 005 LAB, 13:25-16:25 F, Lab TBA, In Person Term Based; Uwe Kortshagen ; 4 cr.
25730 004 LAB, 10:10-13:10 F, Lab TBA, In Person Term Based; Uwe Kortshagen ; 4 cr.
25731 003 LAB, 09:05-12:05 Th, Lab TBA, In Person Term Based; Uwe Kortshagen ; 4 cr.
25732 002 LAB, 13:25-16:25 T, Lab TBA, In Person Term Based; Uwe Kortshagen ; 4 cr.
25733 006 LAB, 10:10-13:10 W, Lab TBA, In Person Term Based; Uwe Kortshagen ; 4 cr.
34304 007 LAB, 14:30-17:30 M, Lab TBA, In Person Term Based; Uwe Kortshagen ; 4 cr.

4231 Motion Control Laboratory

(A-F or Audit; Prereq: 3281, 4031W, ME upper div)
24198 001 LEC, 13:25-15:20 F, Mechanical Engineering 108, In Person Term Based; Rajesh Rajamani ; 4 cr.
24199 002 LAB, 09:05-12:05 T, Lab TBA, In Person Term Based; Rajesh Rajamani ; 4 cr.
24200 003 LAB, 09:05-12:05 W, Lab TBA, In Person Term Based; Rajesh Rajamani ; 4 cr.
24201 004 LAB, 14:30-17:30 W, Lab TBA, In Person Term Based; Rajesh Rajamani ; 4 cr.
24202 005 LAB, 09:05-12:05 Th, Lab TBA, In Person Term Based; Rajesh Rajamani ; 4 cr.
24203 006 LAB, 09:05-12:05 M, Lab TBA, In Person Term Based; Rajesh Rajamani ; 4 cr.
24204 007 LAB, 14:30-17:30 M, Lab TBA, In Person Term Based; Rajesh Rajamani ; 4 cr.

4232 Fluid Power Control Lab

(A-F or Audit; Prereq: 3281, 4031W, ME upper div)
24330 001 LEC, 10:10-12:05 F, Bruininks Hal 121, In Person Term Based; James Van De Ven ; 4 cr.
24331 003 LAB, 11:15-13:10 TTh, Lab TBA, In Person Term Based; James Van De Ven ; 4 cr.
24332 005 LAB, 14:30-16:25 MW, Lab TBA, In Person Term Based; James Van De Ven ; 4 cr.
25432 002 LAB, 09:05-11:00 TTh, Lab TBA, In Person Term Based; James Van De Ven ; 4 cr.
25433 004 LAB, 12:20-14:15 MW, Lab TBA, In Person Term Based; James Van De Ven ; 4 cr.

4431W Energy Conversion Systems Laboratory

(A-F or Audit; Prereq: 3333, 4031W, [ME upper div or grad student][WI])
26450 001 LEC, 12:20-13:10 MW, Mechanical Engineering 221, In Person Term Based; Sayan Biswas ; 4 cr.
26451 002 LAB, 13:25-16:25 W, Lab TBA, In Person Term Based; Sayan Biswas ; 4 cr.
26467 005 LAB, 13:25-16:25 M, Lab TBA, In Person Term Based; Sayan Biswas ; 4 cr.
26468 006 LAB, 09:05-12:05 T, Lab TBA, In Person Term Based; Sayan Biswas ; 4 cr.
26788 007 LAB, 13:25-16:25 Th, Lab TBA, In Person Term Based; Sayan Biswas ; 4 cr.

5070 Topics in Mechanical Engineering (Student Option; Prereq: CSE upper div or grad student)

33542 001 LEC, 15:35-17:30 MW, Akerman Hall 319, In Person Term Based; Terrence Simon ; 1-4 cr.

5133 Aerosol Measurement Laboratory (A-F or Audit; Prereq: CSE upper div or graduate student)

32754 001 LAB, 09:05-11:00 MW, Mechanical Engineering 456, In Person Term Based; David Pui ; 4 cr.

5223 Materials in Design

(Student Option; Prereq: 3221, ME upper division or grad student)
26010 001 LEC, 12:20-14:15 MW, Keller Hall 3-230, In Person Term Based; Michael McAlpine ; 4 cr.

5228 Introduction to Finite Element Modeling, Analysis, and Design

(A-F or Audit; Prereq: CSE upper div or grad, 3221, AEM 3031, CSci 1113, MatS 2001)
24206 001 LEC, 15:35-17:30 MW, Bruininks Hall 412, Partially Online; Kumar Tamma ; 4 cr.

5281 Feedback Control Systems

(Student Option; Prereq: 3281)
25061 001 LEC, 12:20-14:15 TTh, Mayo Bldg & Additions C231, In Person Term Based; Zongxuan Sun ; 4 cr.

5312 Solar Thermal Technologies

(A-F or Audit; Prereq: [3333, CSE upper Div] or grad student)
26789 001 LEC, 10:10-12:05 MW, Keller Hall 3-115, In Person Term Based; Natasha Wright ; 4 cr.

5332 Intermediate Fluid Mechanics

(A-F or Audit; Prereq: ME 3332, Admitted to upper division/ME major or graduate student)
26092 001 LEC, 13:00-14:15 TTh, Civil Engineering Bldg 212, In Person Term Based; Lian Shen ; 4 cr.
33822 002 DIS, 12:20-13:10 F, Mechanical Engineering 108, In Person Term Based; Lian Shen ; 4 cr.

5461 Internal Combustion Engines

(A-F or Audit; Prereq: CSE upper div or grad student, C or better in [3332, 3333] or 3324)
32756 001 LEC, 12:20-14:15 TTh, Armory Building 202, In Person Term Based; David Kittelson ; 4 cr.

Medical Device Innovation (MDI)

5004 Clinical Foundations of Medical Device Innovation

(A-F only; Prereq: MDI grad student. Non-MDI graduate students and non-degree graduate students may register for this course with permission of the MDI program.)
34365 002 LEC, 17:30-21:30 M, Keller Hall 2-260, In Person Term Based; Lars Oddsson ; 3 cr.

5015 Biodesign Practicum III

(A-F only; Prereq: Grad MDI student)
26907 001 LEC, 08:30-16:30 Sa, Mayo Medical Device Ctr G217-1, In Person Term Based; Joseph Hale ; 2 cr.

5020 Medical Device Innovation Capstone

(A-F only;)
26908 001 LEC, In Person Term Based; Charles Laingen, Matthew Stoll ; 1-2 cr.

Medical Industry Leadrshp Inst (MILI)

3585 Navigating the Healthcare Marketplace with Economic, Social and Policy Lenses

(A-F only; SOCS)
23350 001 LEC, 13:00-14:15 TTh, Carlson School of Mgmt 2-233, In Person Term Based; Pinar Karaca Mandic ; 3 cr.

5995 Medical Industry Valuation Laboratory

(A-F only; Prereq: instr consent)
23075 001 LEC, 17:45-19:30 Th, Carlson School of Mgmt 1-127, In Person Term Based; Meets With: 001 MILI 6996060 MILI 6995; Matthew Stoll, Michael Finch ; 2 cr.

5999 Independent Study

(A-F only;)
23076 001 IND, In Person Term Based; 1-8 cr.

Medical Laboratory Sciences Pr (MLSP)

1010 Introduction to Medical Laboratory Science

(S-N only;)
30236 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Stacy Noll ; 1 cr.

5012 Educational Methods and Interprofessional Practice

(A-F only;)
30239 001 LEC, 13:00-16:00 F, Twin Cities Remote, Completely Online; Donna Spannaus-Martin ; 1 cr.

5013 Scholarly Inquiry and Analysis in Medical Laboratory Sciences

(A-F only;)
30230 001 LEC, 00:00-00:00 , ONLINE, Completely Online; 1 cr.

5013H Scholarly Inquiry and Analysis in Medical Laboratory Sciences - Honors

(A-F only;)
30269 001 LEC, Completely Online; Stephen Wiesner ; 2 cr.

5014W Laboratory Operations and Management in Health Care Systems

(A-F only; WI)
30237 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Andrew Yue ; 2 cr.

5111 Concepts of Diagnostic Microbiology (A-F only;)

30231 001 LEC, 12:20-14:15 M, Twin Cities Remote, Completely Online; Meets With: 001 MLSP 6111; Lorna Ruskin ; 3 cr.

5112 Application of Diagnostic Microbiology Principles

(A-F only;)
30232 001 LAB, 09:00-12:00 TTh, Molecular Cellular Biol 3-150, In Person Term Based; Lorna Ruskin ; 2 cr.
30240 002 LAB, 13:00-16:00 TTh, Molecular Cellular Biol 3-150, In Person Term Based; Lorna Ruskin, Hannah Gartzke ; 2 cr.
30243 003 LAB, 13:00-16:00 TTh, Molecular Cellular Biol 3-150, In Person Term Based; Lorna Ruskin, Hannah Gartzke ; 2 cr.

5211 Fundamentals in Hematology and Hemostasis

(A-F only;)
30233 001 LEC, 09:05-11:00 M, Phillips-Wangenstein 3154/3156, Partially Online; Meets With: 001 MLSP 6211; Stephen Wiesner ; 3 cr.

5212 Application of Hematology & Hemostasis Principles

(A-F only;)
30234 001 LAB, 08:30-11:30 W, Molecular Cellular Biol 3-150, In Person Term Based; Christine Maleck ; 1 cr.
30241 003 LAB, 12:30-15:30 W, Molecular Cellular Biol 3-150, In Person Term Based; Christine Maleck ; 1 cr.
30244 002 LAB, 12:30-15:30 W, Molecular Cellular Biol 3-150, In Person Term Based; Christine Maleck ; 1 cr.

5313 Chemical Analysis in Health and Disease

(A-F only;)
30242 001 LEC, 14:30-16:30 M, Twin Cities Remote, Completely Online; Meets With: 001 MLSP 6313; Donna Spannaus-Martin, Jennifer Brown ; 3 cr.

5511 Principles of Immunobiology

(A-F only;)
30235 001 LEC, 10:10-11:40 M, Twin Cities Remote, Completely Online; Michelle Henry-Stanley ; 3 cr.

5701 Clinical Experience in Microbiology

(S-N only;)
30313 001 ROT, Independent/Directed Study; Tami Alpaugh ; 2 cr.

5702 Clinical Experience in Hematology and Hemostasis

(S-N only;)
30314 001 ROT, Independent/Directed Study; Tami Alpaugh ; 2 cr.

5703 Clinical Experience in Clinical Chemistry and Urinalysis

(S-N only;)
30315 001 ROT, Independent/Directed Study; Tami Alpaugh ; 2 cr.

5704 Clinical Experience in Transfusion Medicine

(S-N only;)
30316 001 ROT, Independent/Directed Study; Tami Alpaugh ; 2 cr.

5801 Advanced Practicum Experience in Specialty Disciplines

(S-N only;)
30317 001 ROT, Independent/Directed Study; Tami Alpaugh ; 1 cr.

Medical Physics (MPHY)

5138 Research Seminar

(S-N or Audit;)

27959 001 LEC, 12:00-13:00 F, Phillips-Wangenstn Bldg 1-164, In Person Term Based; Parham Alaei ; 1-5 cr.

5160 Advanced Radiation Physics and Dosimetry

(A-F only;)

28446 001 LEC, 13:00-14:15 MW, Phillips-Wangenstn Bldg 1-164, In Person Term Based; Eric Ehler ; 3 cr.

5170 Radiation Therapy Physics I

(Student Option; Prereq: instr consent)

27960 001 LEC, 16:00-17:15 TTh, Phillips-Wangenstn Bldg 1-164, In Person Term Based; Yoichi Watanabe, Parham Alaei ; 3 cr.

5171 Medical and Health Physics of Imaging I

(Student Option; Prereq: 5170 or instr consent)

28289 001 LEC, 14:30-15:45 MW, Mayo Bldg & Additions B216, In Person Term Based; Ngonah Jallow, Farhad Jafari ; 3 cr.

5172 Radiation Biology

(Student Option; Prereq: 5170 or instr consent)

33818 001 LEC, 07:30-08:45 Th, Phillips-Wangenstn Bldg 3-150, 16:00-17:15 M, Phillips-Wangenstn Bldg 3-154, Partially Online; Jianling Yuan, Lindsey Sloan ; 3 cr.

5178 Physical Principles of Magnetic Resonance Imaging

(Student Option;)

28595 001 LEC, 10:00-10:50 W, Room TBA, Partially Online; Patrick Bolan ; 3 cr.

Medieval Studies (MEST)**1081W Martyrs, Monks, Crusaders: World Christianity, 100-1400**

(Student Option; GP,WI,HIS)

33848 001 LEC, 11:15-12:30 MW, Blegen Hall 150, In Person Term Based; Meets With: 001 RELS 3544W001 HIST 1081W001 HIST 3081W001 MEST 3081W001 RELS 1544W; Andrea Sterk ; 4 cr.

33849 002 DIS, 09:05-09:55 F, Blegen Hall 115, In Person Term Based; Meets With: 002 HIST 3081W002 RELS 1544W002 HIST 1081W002 RELS 3544W002 MEST 3081W; 4 cr.

33850 003 DIS, 09:05-09:55 F, Blegen Hall 205, In Person Term Based; Meets With: 003 HIST 1081W003 RELS 1544W003 MEST 3081W003 RELS 3544W003 HIST 3081W; 4 cr.

33851 004 DIS, 10:10-11:00 F, Blegen Hall 120, In Person Term Based; Meets With: 004 HIST 1081W004 HIST 3081W004 MEST 3081W004 RELS 1544W004 RELS 3544W; 4 cr.

33852 005 DIS, 12:20-13:10 F, Blegen Hall 115, In Person Term Based; Meets With: 005 RELS 1544W005 HIST 1081W005 HIST 3081W005 MEST 3081W005 RELS 3544W; 4 cr.

3081W Martyrs, Monks, Crusaders: World Christianity, 100-1400

(Student Option; GP,WI,HIS)

33853 001 LEC, 11:15-12:30 MW, Blegen Hall 150, In Person Term Based; Meets With: 001 MEST 1081W001 HIST 1081W001 RELS 3544W001 RELS 1544W001 HIST 3081W; Andrea Sterk ; 4 cr.

33854 002 DIS, 09:05-09:55 F, Blegen Hall 115, In Person Term Based; Meets With: 002 MEST 1081W002 HIST 3081W002 RELS 1544W002 RELS 3544W002 HIST 1081W; 4 cr.

33855 003 DIS, 09:05-09:55 F, Blegen Hall 205, In Person Term Based; Meets With: 003 HIST 1081W003 RELS 1544W003 MEST 1081W003 HIST 3081W003 RELS 3544W; 4 cr.

33856 004 DIS, 10:10-11:00 F, Blegen Hall 120, In Person Term Based; Meets With: 004 HIST 3081W004 RELS 1544W004 RELS 3544W004 MEST 1081W004 HIST 1081W; 4 cr.

33857 005 DIS, 12:20-13:10 F, Blegen Hall 115, In Person Term Based; Meets With: 005 HIST 3081W005 RELS 1544W005 RELS 3544W005 MEST 1081W005 HIST 1081W; 4 cr.

3271 The Viking World: Story, History, and Archaeology

(Student Option;)

34424 001 LEC, 14:30-15:45 MW, Folwell Hall 12, In Person Term Based; Meets With: 001 HIST 3271; Lena Norrman ; 3 cr.

3426 Piracy in the Mediterranean: The World of Merchants and Pirates

(Student Option No Audit; GP,HIS)

21790 001 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Meets With: 001 HIST 3426; Kathryn Reyerson ; 3 cr.

3606 Christians, Muslims, and Jews in the Middle Ages

(Student Option; GP,HIS)

21831 001 LEC, 13:00-14:15 MW, Blegen Hall 150, In Person Term Based; Meets With: 001 HIST 3606001 RELS 3717001 JWST 3606; Michael Lower ; 3 cr.

3993 Directed Studies in Medieval Studies

(Student Option; Prereq: Previous work in a medieval studies discipline, instr consent)

18974 001 IND, Independent/Directed Study; 1-3 cr.

5701 Old Norse Language and Literature

(Student Option;)

21798 001 DIS, 13:00-14:15 MW, Folwell Hall 118, In Person Term Based; Meets With: 001 SCAN 5701; Anatoly Liberman ; 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)

17902 001 IND, In Person Term Based; 1-3 cr.

Microbial Engineering (MICE)**5035 Personal Microbiome Analysis**

(Student Option;)

34201 001 LEC, 09:45-11:00 MW, Amundson Hall 120, In Person Term Based; Dan Knights ; 3 cr.

Microbiol/Immun/Cancer Biology (MICA)**5000 Practicum: Teaching**

(No Grade Associated;)

27699 001 FWK, 00:00-00:00 , In Person Term Based; 0 cr.

Microbiology (MICB)**3301 Biology of Microorganisms**

(A-F only; Prereq: [Biol 1961 and Biol 2003] or Biol 1009 or instructor permission)

16093 001 LEC, 11:15-12:30 TTh, Moos Health Sci Tower 2-530, In Person Term Based; Meets With: 001 MICB 3303; Christian Mohr ; 5 cr.

16094 002 LAB, 09:05-11:00 TTh, Moos Health Sci Tower 2-242, In Person Term Based; Christian Mohr ; 5 cr.

16095 003 LAB, 12:20-14:15 WF, Moos Health Sci Tower 2-242, In Person Term Based; Christian Mohr ; 5 cr.

3302 Biology of Microorganisms Laboratory

(A-F only; Prerequisite for MicB 3302 (lab only). Students who desire both should register for MicB 3301.)

33841 001 LAB, 09:05-11:00 TTh, Moos Health Sci Tower 2-242, In Person Term Based; Christian Mohr ; 2 cr.

33842 002 LAB, 12:20-14:15 WF, Moos Health Sci Tower 2-242, In Person Term Based; Christian Mohr ; 2 cr.

3303 Biology of Microorganisms (without laboratory)

(A-F only; Prereq: Biol 2003 or Biol 1009 or instructor permission)

15877 001 LEC, 11:15-12:30 TTh, Moos Health Sci Tower 2-530, In Person Term Based; Meets With: 001 MICB 3301; Christian Mohr ; 3 cr.

4131 Immunology

(Student Option; Prereq: Biol 2003 or Biol 1009 and [Junior or senior])

15828 001 LEC, 14:30-15:20 MWF, Molecular Cellular Biol 3-120, In Person Term Based; Vaiva Vezys, Ryan Langlois ; 3 cr.

4161W Eukaryotic Microbiology

(A-F only; Prereq: Biol 4003W)

15834 001 LEC, 13:25-14:15 MWF, Bruininks Hall 512A, In Person Term Based; Dana Davis ; 3 cr.

4215 Advanced Laboratory: Microbial Physiology and Diversity

(A-F or Audit; Prereq: MICB 3301 AND Microbiology major or minor; priority for seats from waitlist to graduating Microbiology majors)

15829 001 LAB, 12:20-15:20 TTh, Moos Health Sci Tower 2-262, In Person Term Based; Sandra Armstrong ; 3 cr.

4225W Advanced Laboratory: Microbial Genetics

(A-F only; Prereq: MicB 3301 and [Biol 4003 or permission]; priority for seats from waitlist to graduating Microbiology majorsW)

15855 001 LAB, 09:00-12:00 WF, Moos Health Sci Tower 2-242, In Person Term Based; Anna Selmecki ; 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)

15830 001 IND, 00:00-00:00 , In Person Term Based; 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)

15831 001 IND, 00:00-00:00 , In Person Term Based; 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.)

15832 001 IND, 00:00-00:00 , In Person Term Based; 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.)

15833 001 IND, 00:00-00:00 , In Person Term Based; 1-7 cr.

Military Science (MIL)**1003 Military Science I Leadership Lab**

(A-F only; Prereq: concurrent registration is required (or allowed) in 1201)

30121 001 LEC, 06:30-07:30 MWF, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, 06:30-07:30 Th, Armory Building 100, 16:30-18:30 W, Armory Building 100, In Person Term Based; Meets With: 001 MIL 1203001 MIL 103001 MIL 203; Lukas Wright, Kellima Thompson ; 1 cr.

1101 Introduction to the Army and Critical Thinking

(A-F only;)

30128 001 LEC, 09:05-09:55 W, Armory Building 116A, In Person Term Based; Lukas Wright ; 1 cr.

30129 002 LEC, 13:25-14:15 W, Armory Building 116A, In Person Term Based; Lukas Wright ; 1 cr.

1201 Leadership and Decision Making

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

30130 001 LEC, 08:00-08:50 MW, Armory Building 202, In Person Term Based; Kellima Thompson, Gerald Cramer ; 2 cr.

30131 002 LEC, 13:25-14:15 MW, Armory Building 202, In Person Term Based; Gerald Cramer, Kellima Thompson ; 2 cr.

1203 MS II One Credit Lead Lab

(A-F only; Prereq: concurrent registration is required (or allowed) in 1201)

30142 001 LAB, 06:30-07:30 MWF, Armory Building 100, 16:30-18:30 W, Armory Building 100, 16:30-18:30 W, Armory Building 100, 06:30-07:30 Th, Armory Building 100, 16:30-18:30 W, Armory Building 100, In Person Term Based; Meets With: 001 MIL 103001 MIL 103001 MIL 203; Lukas Wright, Kellima Thompson ; 1 cr.

3301 Training Management and Warfighting Functions

(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)

30132 001 LEC, 08:00-08:50 MWF, Armory Building 116, In Person Term Based; Stephen McNew, Travis Baldrige ; 3 cr.

3303 MS III One Credit Lead Lab

(A-F only; Prereq: Completion of basic courses, concurrent registration is required (or allowed) in 3301)
30144 001 LAB, 06:30-07:30 MWF, Armory Building 116A, 16:30-18:30 W, Armory Building 116A, 16:30-18:30 W, Armory Building 116A, 06:30-07:30 Th, Armory Building 116A, 16:30-18:30 W, Armory Building 116A, In Person Term Based; Meets With: 001 MIL 303; Travis Baldrige, Stephen McNew ; 1 cr.

3401 The Army Officer

(A-F only; Prereq: Completed all other military courses or Army equiv, concurrent registration is required (or allowed) in lab)

30133 001 LEC, 08:00-08:50 MWF, Armory Building 116A, In Person Term Based; John Nguyen ; 3 cr.

3403 MS IV One Credit Lead Lab

(A-F only; Prereq: Completion of basic courses, concurrent registration is required (or allowed) in 3401)
30143 001 LAB, 06:30-07:30 MWF, Armory Building 116, 16:30-18:30 W, Armory Building 116, 16:30-18:30 W, Armory Building 116, 06:30-07:30 Th, Armory Building 116, 16:30-18:30 W, Armory Building 116, In Person Term Based; Meets With: 001 MIL 403; John Nguyen ; 1 cr.

3970 Military History

(A-F only;)
30196 003 LEC, 16:00-18:30 T, Twin Cities Remote, Completely Online; Daniel Hekter ; 3 cr.

Mortuary Science (MORT)

2171 Introductory Anatomy

(A-F only;)
28538 001 LEC, 11:30-14:00 T, Jackson Hall 2-125, In Person Term Based; Michael Mathews ; 3 cr.

3012W Organization and Management of Funeral Business

(A-F only; Prerequisites: Diversified Core Mathematical Thinking, ACCT 2050: Introduction to Financial Reporting(WI))
28599 001 LEC, 15:30-18:00 M, Jackson Hall 2-125, In Person Term Based; Carrie Rowell ; 3 cr.

3014 Funeral Service Rules and Regulations

(A-F only;)
27748 001 LEC, 09:00-11:00 T, Jackson Hall 2-125, In Person Term Based; Michael Mathews ; 2 cr.

3018 Funeral Service Practice I

(A-F only;)
27778 001 LEC, 09:00-11:20 W, Jackson Hall 2-125, In Person Term Based; Michael Mathews ; 3 cr.

3021W Funeral Service Psychology and Arrangements Theory

(A-F only; Prerequisites: WRIT 1301, PSY 1001, COMM 3401 or COMM 3402WI)
27727 001 LEC, 09:00-11:30 Th, Jackson Hall 2-125, In Person Term Based; Carrie Rowell ; 3 cr.

3025 Business Law

(A-F only;)
27582 001 LEC, 16:30-19:00 T, Jackson Hall 2-125, In Person Term Based; Doug Meslow ; 3 cr.

3048 Microbiology and Pathology for Funeral Service

(A-F only;)
27955 001 LEC, Completely Online; Michael Mathews ; 4 cr.

3051 Restorative Art

(A-F only; Prerequisites: MORT 2171 Introductory Human Anatomy; MORT 3171 Human Anatomy Laboratory)
27583 001 LEC, 12:30-15:00 M, Jackson Hall 2-121, In Person Term Based; Kelley Romanowski ; 3 cr.

3061 Embalming Theory

(A-F only; Prerequisites: MORT 2171 Introductory Human Anatomy; MORT 3171 Human Anatomy Laboratory)
27585 001 LEC, 09:00-11:30 M, Jackson Hall 2-121, In Person Term Based; Carrie Rowell ; 3 cr.

3065 Embalming Chemistry

(A-F only;)
27964 001 LEC, 09:00-11:00 M, Jackson Hall 2-125, In Person Term Based; Michael Mathews ; 2 cr.

3151 Restorative Art Laboratory

(A-F only;)
27584 001 LAB, 09:00-12:00 W, Jackson Hall 2-121, 09:00-12:00 W, Jackson Hall 5-125A, In Person Term Based; Kelley Romanowski, Chelsea Smolenski ; 1 cr.
28596 002 LAB, 13:30-16:30 W, Jackson Hall 2-121, 13:30-16:30 W, Jackson Hall 5-125A, In Person Term Based; Kelley Romanowski, Chelsea Smolenski ; 1 cr.

3161 Embalming Laboratory

(A-F only;)
27586 001 LAB, 09:00-12:00 T, Jackson Hall 2-121, 09:00-12:00 T, Jackson Hall 5-125A, In Person Term Based; Carrie Rowell ; 1 cr.
28597 002 LAB, 13:00-16:00 T, Jackson Hall 2-121, 13:00-16:00 T, Jackson Hall 5-125A, In Person Term Based; Carrie Rowell ; 1 cr.

3171 Human Anatomy Laboratory

(A-F or Audit; Prerequisites: MORT 2171; PHAR 1002: Medical Terminology)
27913 001 LEC, 13:30-14:20 Th, Jackson Hall 2-125, In Person Term Based; Mary Doherty ; 2 cr.
27914 002 LAB, 14:30-16:30 Th, Jackson Hall 5-125A, In Person Term Based; Mary Doherty ; 2 cr.

3371 Funeral Service Rites, Customs, and Ceremonies

(A-F only;)
27792 001 LEC, 13:00-15:30 W, Jackson Hall 2-125, In Person Term Based; Patrick Sheedy, Lynne Schriver-Sheedy ; 3 cr.

3379 Clinical Funeral Service Rotation

(A-F only; Prerequisites: MORT 3051; 3061; 3151; 3161)
27708 001 ROT, 12:00-14:00 Th, Jackson Hall 2-121, In Person Term Based; Carrie Rowell ; 1-6 cr.

3384 Mortuary Science Practice in the US: An Integrative Capstone Course For Professional Practice

(A-F only;)
33960 001 LEC, 14:30-16:00 Th, Twin Cities Remote, Completely Online; Michael LuBrant ; 1 cr.

Multidisciplinary Studies (MDS)

3001W Introduction to Multidisciplinary Studies

(A-F only; Prereq: Admitted to multidisciplinary studies(WI))
29842 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Lisa Garrett ; 3 cr.

3093 Directed Study

(A-F only; Prereq: instr consent)
29898 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)
29914 301 LEC, 00:00-00:00 , ONLINE, 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)
29915 301 LEC, 00:00-00:00 , ONLINE, 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)
29925 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Lisa Garrett ; 3 cr.

3203 Project Registration 3

(A-F only; Prereq: 3001W, MdS major, C- or above 3101, approved project proposal, permission number, basic computer/internet skills)
29926 301 LEC, 00:00-00:00 , ONLINE, Completely Online; Lisa Garrett ; 3 cr.

Museum Studies (MST)

5020 Internship

(S-N or Audit; Prereq: 5011, 5012, dept consent)
15416 001 FWK, Independent/Directed Study; Jean McElvain ; 1-6 cr.

Music (MUS)

1013 Rock I: The Historical Origins and Development of Rock Music to 1970

(A-F or Audit; AH,DSJ)
20410 301 LEC, Completely Online; Cong Liu ; 3 cr.
20724 302 LEC, Completely Online; Ryan Picone ; 3 cr.
20840 303 LEC, Completely Online; Momcilo Aleksandric ; 3 cr.
20841 304 LEC, Completely Online; Junyi Ma ; 3 cr.
20924 305 LEC, Completely Online; Zachary Ploeger ; 3 cr.

1014 Rock II: Rock Music from 1970 to the Present

(Student Option; AH,DSJ)
20361 001 LEC, 12:20-13:10 MW, Huntington Bank Stad G065A, In Person Term Based; Peter Mercer-Taylor ; 3 cr.
20362 002 DIS, 08:00-08:50 F, Ferguson Hall 123, In Person Term Based; Nathaniel Krebs ; 3 cr.
20363 003 DIS, 09:05-09:55 F, Ferguson Hall 123, In Person Term Based; Patricia Morgan ; 3 cr.
20364 004 DIS, 09:05-09:55 F, Ferguson Hall 149, In Person Term Based; Alexis Aguilar ; 3 cr.
20365 005 DIS, 11:15-12:05 F, Ferguson Hall 123, In Person Term Based; Nathaniel Krebs ; 3 cr.
20366 006 DIS, 11:15-12:05 F, Ferguson Hall 149, In Person Term Based; 3 cr.
20367 007 DIS, 12:20-13:10 F, Ferguson Hall 115, In Person Term Based; Chantalle Falconer ; 3 cr.
20368 008 DIS, 12:20-13:10 F, Ferguson Hall 107, In Person Term Based; Cixian Lu ; 3 cr.
20369 009 DIS, 12:20-13:10 F, Ferguson Hall 149, In Person Term Based; Yi Ding ; 3 cr.
20370 010 DIS, 13:25-14:15 F, Ferguson Hall 123, In Person Term Based; Milos Socanin ; 3 cr.
20371 011 DIS, 13:25-14:15 F, Ferguson Hall 107, In Person Term Based; Cixian Lu ; 3 cr.
20372 012 DIS, 14:30-15:20 F, Blegen Hall 115, In Person Term Based; Samantha Martinez-Brockhus, Peter Mercer-Taylor ; 3 cr.

1015W Music and Movies: The Use and Representation of Music and Musicians in Film in a Global Context

(A-F or Audit; WI)
20411 301 LEC, Completely Online; Leyna Papach ; 4 cr.
21288 302 LEC, Completely Online; Jordan Goebel ; 4 cr.

1021 Introduction to Music

(Student Option; AH)
18672 001 LEC, 10:10-11:00 MWF, Ferguson Hall 225, In Person Term Based; Meets With: 001 MUS 3021; Peter Mercer-Taylor ; 3 cr.

1051 Class Piano for Nonmusic Majors I

(Student Option No Audit;)
17910 001 LEC, 09:05-09:55 MW, Ferguson Hall 265, In Person Term Based; Samantha Martinez-Brockhus ; 2 cr.
17911 002 LEC, 09:05-09:55 TTh, Ferguson Hall 265, In Person Term Based; Koki Sato ; 2 cr.
17912 003 LEC, 13:25-14:15 MW, Ferguson Hall 265, In Person Term Based; Sujin Cho ; 2 cr.

1052 Class Piano for Non Music Majors II

(Student Option No Audit;)
18781 001 LEC, 14:30-15:20 TTh, Ferguson Hall 265, In Person Term Based; Sujin Cho ; 2 cr.

1151 Piano: Class Lessons I

(A-F or Audit; Prereq: undergraduate music major or music minor status.)
17918 001 LEC, 10:10-11:00 MW, Ferguson Hall 265, In Person Term Based; Sujin Cho ; 2 cr.
17919 003 LEC, 10:10-11:00 TTh, Ferguson Hall 265, In Person Term Based; Hyein Choi ; 2 cr.
19875 004 LEC, 12:20-13:10 TTh, Ferguson Hall 265, In Person Term Based; Hyein Choi ; 2 cr.
20189 002 LEC, 12:20-13:10 MW, Ferguson Hall 265, In Person Term Based; Sujin Cho ; 2 cr.

1155 Keyboard Skills I

(A-F or Audit; Prereq: Keyboard major or music major with extensive keyboard background or instr consent)

19003 001 LEC, 11:15-12:05 TTh, Ferguson Hall 265, In Person Term Based; Michael Min ; 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 rhythm. 3. Ability to learn a song independently from sheet music.)

17929 001 LEC, 10:10-11:00 MW, Ferguson Hall 81, In Person Term Based; Pauline Hsu ; 2 cr.

19302 003 LEC, 18:15-20:00 Th, Ferguson Hall 81, In Person Term Based; Elizabeth Dehn ; 2 cr.

1471 Guitar: Class Lessons I

(A-F or Audit;)

18059 001 LEC, 13:25-14:15 MW, Ferguson Hall 105, In Person Term Based; ; 2 cr.

18060 002 LEC, 14:30-15:20 MW, Ferguson Hall 107, In Person Term Based; ; 2 cr.

18431 003 LEC, 13:25-14:15 TTh, Ferguson Hall 107, In Person Term Based; ; 2 cr.

18653 004 LEC, 15:35-16:25 TTh, Ferguson Hall 107, In Person Term Based; ; 2 cr.

18702 005 LEC, 18:30-20:30 W, Ferguson Hall 107, In Person Term Based; ; 2 cr.

1472 Guitar: Class Lessons II

(A-F or Audit; Prereq: 1471 or instr consent)

19043 001 LEC, 16:40-17:30 MW, Ferguson Hall 107, In Person Term Based; ; 2 cr.

1475 Beginning Ukulele

(A-F only;)

21670 001 DIS, 18:00-20:00 T, Ferguson Hall 107, In Person Term Based; Maja Radovanlija ; 2 cr.

1476 Guitar World - guitar and its music, overview of world music styles through guitar related music

(A-F or Audit;)

21543 301 LEC, Completely Online; Maja Radovanlija ; 3 cr.

1501 Theory and Analysis of Tonal Music I

(A-F or Audit; Prereq: Co-Requisite: course must be taken concurrently w/ MUS 1511.)

18689 001 LEC, 08:00-08:50 WF, Ferguson Hall 225, In Person Term Based; Alyssa Barna ; 2 cr.

19251 002 DIS, 09:05-09:55 M, Ferguson Hall 105, In Person Term Based; Madeline Mascia ; 2 cr.

19252 003 DIS, 09:05-09:55 M, Ferguson Hall 107, In Person Term Based; Thomas Otten ; 2 cr.

19253 004 DIS, 09:05-09:55 M, Ferguson Hall 123, In Person Term Based; Elena De Stasio Stabile ; 2 cr.

19254 005 DIS, 09:35-10:25 T, Ferguson Hall 105, In Person Term Based; Alyssa Inglett ; 2 cr.

20204 006 DIS, 09:35-10:25 T, Ferguson Hall 123, In Person Term Based; Alexandra Brouillard ; 2 cr.

1511 Ear-Training and Sight-Singing I

(A-F or Audit;)

19042 001 LEC, 08:00-08:50 M, Ferguson Hall 225, In Person Term Based; Alyssa Barna ; 1 cr.

19255 002 DIS, 09:05-09:55 W, Ferguson Hall 105, In Person Term Based; Madeline Mascia ; 1 cr.

19256 003 DIS, 09:05-09:55 W, Ferguson Hall 107, In Person Term Based; Thomas Otten ; 1 cr.

19257 004 DIS, 09:05-09:55 W, Ferguson Hall 123, In Person Term Based; Elena De Stasio Stabile ; 1 cr.

19258 005 DIS, 09:35-10:25 Th, Ferguson Hall 105, In Person Term Based; Madeline Mascia ; 1 cr.

20205 006 DIS, 09:35-10:25 Th, Ferguson Hall 123, In Person Term Based; Thomas Otten ; 1 cr.

1801W Music, Society, and Cultures

(A-F or Audit; Prereq: Registration for this course is open until the first day of class, at which point instructor consent will be required.AH,WI,GP)

18010 001 LEC, 08:00-09:30 TTh, Ferguson Hall 225, In Person Term Based; Matthew Rahaim ; 3 cr.

18011 002 DIS, 09:05-09:55 F, Ferguson Hall 107, In Person Term Based; Simon Mwaniki ; 3 cr.

18012 003 DIS, 09:05-09:55 F, Ferguson Hall 115, In Person Term Based; Devin Kaveler ; 3 cr.

18013 005 DIS, 10:10-11:00 F, Ferguson Hall 115, In Person Term Based; Devin Kaveler ; 3 cr.

18640 004 DIS, 10:10-11:00 F, Ferguson Hall 107, In Person Term Based; Simon Mwaniki ; 3 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)

19250 001 DIS, 11:15-12:30 MW, Ferguson Hall 225, In Person Term Based; Scott Currie ; 3 cr.

22028 002 DIS, 11:15-12:30 MW, Twin Cities Remote, Completely Online; Scott Currie ; 3 cr.

1914W Music in Nazi Germany & the Holocaust

(Student Option No Audit; CIV,WI)

33745 001 DIS, 11:15-12:35 Th, Ferguson Hall 225, 11:15-12:05 T, Ferguson Hall 225, In Person Term Based; Karen Painter ; 3 cr.

1915 The Color of Music

(A-F only;)

33746 001 DIS, 13:00-14:15 MW, Ferguson Hall 225, In Person Term Based; Gabriela Currie ; 3 cr.

1916 All About Music: Its Meaning, Reality, Communication, and Embodiment

(A-F only; TS)

34129 001 DIS, 12:20-14:15 Th, Ferguson Hall 149, 13:25-14:15 T, Ferguson Hall 149, In Person Term Based; Guerino Mazzola ; 3 cr.

3021 Introduction to Music

(Student Option; AH)

18069 001 LEC, 10:10-11:00 MWF, Ferguson Hall 225, In Person Term Based; Meets With: 001 MUS 1021; Peter Mercer-Taylor ; 3 cr.

3200 Campus Singers

(Student Option;)

19654 001 LAB, 12:15-13:15 TTh, Ferguson Hall 90, In Person Term Based; Jingqi Zhu ; 2 cr.

19655 002 LAB, 18:00-20:00 M, Ferguson Hall 90, In Person Term Based; Christiana Howell ; 2 cr.

19656 003 LAB, 18:00-20:00 W, Ferguson Hall 90, In Person Term Based; Shekela Wanyama ; 2 cr.

3230 Chorus

(Student Option; Prereq: Choral and/or instrumental music background, audition, instr consent)

17957 001 LAB, 15:35-17:05 MW, Ferguson Hall 90, In Person Term Based; Meets With: 001 MUS 5230; Kathy Romey ; 1-2 cr.

3241 Vocal Literature (German Lieder) and Pedagogy

(A-F or Audit; Prereq: MUS 1502, MUS 1512, MUS 3602W and [Vocal performance or accompanying major])

33779 001 LEC, 13:25-14:15 TTh, Ferguson Hall 123, In Person Term Based; Jane Giering-De Haan ; 1 cr.

3261 Italian Diction for Singers

(A-F or Audit; Prereq: Voice or choral music major, concurrent registration is required (or allowed) in applied voice)

21094 001 LAB, 11:15-12:05 MW, Ferguson Hall 123, In Person Term Based; Jane Giering-De Haan ; 1 cr.

3263 German Diction for Singers

(A-F or Audit; Prereq: Voice or choral music major, concurrent registration is required (or allowed) in applied voice)

18037 001 LEC, 11:15-12:05 TTh, Ferguson Hall 115, In Person Term Based; Philip Zawisza ; 1 cr.

3301 The Music of Black Americans

(A-F only; AH,DSJ)

34013 001 DIS, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Meets With: 001 AFRO 3301; Yolanda Williams ; 3 cr.

3340 Jazz Ensemble

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

17955 001 LAB, 15:35-17:00 TTh, Ferguson Hall 95, In Person Term Based; Meets With: 001 MUS 5340; Dean Sorenson ; 1 cr.

17956 002 LAB, 11:15-12:05 MWF, Ferguson Hall 95, In Person Term Based; Meets With: 002 MUS 5340; Dean Sorenson ; 1 cr.

3350 Jazz Combo

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

17931 001 LAB, 10:10-11:00 MW, Ferguson Hall 3, In Person Term Based; Philip Hey, Dean Sorenson ; 1 cr.

17932 002 LAB, 11:15-12:05 MW, Ferguson Hall 3, In Person Term Based; Philip Hey, Dean Sorenson ; 1 cr.

17933 003 LAB, 12:20-13:10 MW, Ferguson Hall 3, In Person Term Based; Philip Hey, Dean Sorenson ; 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.)

20904 001 LAB, 18:00-20:00 T, Ferguson Hall 90, In Person Term Based; Adrian Davis ; 2 cr.

3400 University and Campus Bands

(Student Option;)

19050 001 LAB, 19:00-20:30 MTh, Ferguson Hall 95, In Person Term Based; Meets With: 001 MUS 5400; Betsy McCann, John Leonard ; 2 cr.

19051 002 LAB, 19:00-21:00 M, Huntington Bank Stad G065A, In Person Term Based; Meets With: 002 MUS 5400; John Leonard, Rose Tyler, Roger Vajda ; 2 cr.

19314 003 LAB, 19:00-21:00 W, Huntington Bank Stad G065A, In Person Term Based; Meets With: 003 MUS 5400; John Leonard ; 2 cr.

19927 004 LAB, 19:00-21:00 Th, Huntington Bank Stad G065A, In Person Term Based; Meets With: 004 MUS 5400; John Leonard, Seth Davis ; 2 cr.

3410 University Wind Bands

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

18134 001 LAB, 13:25-15:20 MWF, Ferguson Hall 95, In Person Term Based; Meets With: 001 MUS 5410; Emily Threinen, Jerry Luckhardt ; 1 cr.

18135 002 LAB, 13:25-15:20 TThF, Ferguson Hall 95, In Person Term Based; Meets With: 002 MUS 5410; Jerry Luckhardt, Lauren Visel, Emily Threinen ; 1 cr.

3420 Orchestra

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

18008 001 LAB, 13:25-15:20 MWF, Ferguson Hall 85, In Person Term Based; Mark Russell Smith, Hisham Groover, Andrew Kim, Jose Carrillo Silezar ; 1 cr.

20406 002 LAB, 13:25-15:20 , In Person Term Based; Mark Russell Smith, Andrew Kim, Jose Carrillo Silezar, Hisham Groover ; 1 cr.

3430 Campus Orchestra

(Student Option; Prereq: Non-music major or unable to register for University Orchestra)

18190 001 LAB, 18:00-20:00 M, Ferguson Hall 85, In Person Term Based; Jose Carrillo Silezar, Jingqi Zhu, Andrew Kim ; 2 cr.

19461 002 LAB, 18:00-20:00 T, Ferguson Hall 85, In Person Term Based; Jose Carrillo Silezar, Jingqi Zhu, Andrew Kim ; 2 cr.

19709 003 LAB, 18:00-20:00 W, Lab TBA, In Person Term Based; Jingqi Zhu, Andrew Kim, Jose Carrillo Silezar ; 2 cr.

3440 Chamber Ensemble

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

19411 001 LAB, 00:00-00:00 , In Person Term Based; Ellen Dinwiddie Smith ; 1 cr.

19666 002 LAB, 00:00-00:00 , In Person Term Based; Meets With: 002 MUS 5440; 1 cr.

19680 003 LAB, 00:00-00:00 , In Person Term Based; Meets With: 003 MUS 5440; Thomas Ashworth ; 1 cr.

19681 004 LAB, 00:00-00:00 , In Person Term Based; Immanuel Davis ; 1 cr.

19682 005 LAB, 00:00-00:00 , In Person Term Based; Meets With: 005 MUS 5440; Immanuel Davis ; 1 cr.

20118 006 LAB, 00:00-00:00 , In Person Term Based; Maja Radovanlija ; 1 cr.

20119 007 LAB, 00:00-00:00 , In Person Term Based; Meets With: 007 MUS 5440; 1 cr.

20124 008 LAB, 00:00-00:00 , In Person Term Based; Stephanie Arado ; 1 cr.

20126 009 LAB, 00:00-00:00 , In Person Term Based; Marissa Benedict ; 1 cr.

20127 010 LAB, 00:00-00:00 , In Person Term Based; 1 cr.

20190 011 LAB, 00:00-00:00 , In Person Term Based; Maja Radovanlija ; 1 cr.

20323 012 LAB, 00:00-00:00 , In Person Term Based; Sangyoon Kim ; 1 cr.

20329 014 LAB, 00:00-00:00 , In Person Term Based; Jennifer Gerth ; 1 cr.

20332 013 LAB, 00:00-00:00 , In Person Term Based; Sally O'Reilly ; 1 cr.

20336 015 LAB, 00:00-00:00 , In Person Term Based; Preston Duncan ; 1 cr.

20337 016 LAB, 00:00-00:00 , In Person Term Based; Caroline Lemen ; 1 cr.

20338 017 LAB, 00:00-00:00 , In Person Term Based; 1 cr.

20485 018 LAB, In Person Term Based; Tanya Remenikova ; 1 cr.

20532 020 LAB, In Person Term Based; Paul Shaw ; 1 cr.

20534 021 LAB, In Person Term Based; 1 cr.

20540 022 LAB, In Person Term Based; Timothy Lovelace ; 1 cr.

20541 023 LAB, In Person Term Based; Korey Konkol ; 1 cr.
 20543 024 LAB, In Person Term Based; Alexander Braginsky ; 1 cr.
 20545 025 LAB, In Person Term Based; Norbert Nielubowski ; 1 cr.
 20548 026 LAB, In Person Term Based; Norbert Nielubowski ; 1 cr.
 20668 019 LAB, In Person Term Based; Paul Shaw ; 1 cr.

3480 Marching Band

(A-F or Audit; Prereq: instr consent)
 18007 001 LAB, 16:15-18:00 MTWThF, Huntington Bank Stad G065A, In Person Term Based; Betsy McCann, John Leonard, Lauren Visel ; 2 cr.
 20288 002 LAB, 19:00-22:00 W, Lab TBA, 16:15-18:00 MTWThF, Lab TBA, In Person Term Based; Betsy McCann, John Leonard, Shaun Evans, Lauren Visel, Lance Sample ; 2 cr.
 20289 003 LAB, 19:00-22:00 W, Lab TBA, 16:15-18:00 MTWThF, Lab TBA, In Person Term Based; Betsy McCann, John Leonard, Lauren Visel, Shaun Evans, Lance Sample ; 2 cr.

3490 Athletics Bands

(A-F or Audit;)
 18969 001 LAB, 19:00-21:00 , , In Person Term Based; Betsy McCann, John Leonard ; 1 cr.
 19152 002 LAB, 19:00-21:00 , , In Person Term Based; Betsy McCann, John Leonard ; 1 cr.
 19153 003 LAB, 19:00-21:00 , , In Person Term Based; Betsy McCann, John Leonard ; 1 cr.

3501 Theory and Analysis of Tonal Music III

(A-F or Audit; Prereq: [MUS 1511, MUS 1512] with grade of at least C- or higher.)
 18612 002 DIS, 08:00-08:50 M, Ferguson Hall 105, In Person Term Based; M. Howard ; 2 cr.
 18673 003 DIS, 08:35-09:25 T, Ferguson Hall 105, In Person Term Based; Evan Fraser ; 2 cr.
 18674 004 DIS, 08:35-09:25 T, Ferguson Hall 123, In Person Term Based; Brian Billion ; 2 cr.
 18690 001 LEC, 09:05-09:55 WF, Ferguson Hall 225, In Person Term Based; David Damschroder ; 2 cr.

3508 Review of Tonal Theory

(Student Option; Prereq: Theory placement exam)
 18251 001 LEC, 08:15-09:30 TTh, Ferguson Hall 107, In Person Term Based; Nicholas White ; 2 cr.

3511 Ear-Training and Sight-Singing III

(A-F or Audit; Prereq: [MUS 1502, MUS 1512] with grade of at least C- or higher, or diagnostic test administered by School of Music)
 19037 001 LEC, 09:05-09:55 M, Ferguson Hall 225, In Person Term Based; David Damschroder ; 1 cr.
 19038 002 DIS, 08:00-08:50 W, Ferguson Hall 105, In Person Term Based; Brian Billion ; 1 cr.
 19039 003 DIS, 08:35-09:25 Th, Ferguson Hall 105, In Person Term Based; Brian Billion ; 1 cr.
 19040 004 DIS, 08:35-09:25 Th, Ferguson Hall 123, In Person Term Based; M. Howard ; 1 cr.

3518 Review of Ear-Training and Sight-Singing

(Student Option; Prereq: Theory Placement Exam)
 18252 001 LEC, 10:10-11:00 TTh, Ferguson Hall 149, In Person Term Based; Nicholas White ; 1 cr.
 33987 002 LEC, 10:10-11:00 TTh, Ferguson Hall 203, In Person Term Based; Evan Fraser ; 1 cr.

3602W History of Western Music II

(A-F or Audit; Prereq: MUS 1502, MUS 1512, and MUS 3601 OR instr consentW)
 18608 001 LEC, 09:35-11:00 TTh, Ferguson Hall 225, In Person Term Based; ; 3 cr.
 18609 002 DIS, 08:00-08:50 F, Ferguson Hall 105, In Person Term Based; Anne Briggs ; 3 cr.
 18610 003 DIS, 10:10-11:00 F, Ferguson Hall 105, In Person Term Based; Anya Badaldavood ; 3 cr.
 18611 004 DIS, 10:10-11:00 F, Ferguson Hall 123, In Person Term Based; Abigail Proehl ; 3 cr.

3993 Directed Studies

(A-F or Audit; Prereq: instr consent, dept consent, college consent.)
 18015 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.
 18657 002 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

3995 Major Project

(A-F or Audit; Prereq: Undergrad music major in B.A. program, instr consent, dept consent)
 18017 001 IND, 00:00-00:00 , , In Person Term Based; 1 cr.

4505 Jazz Theory

(A-F or Audit; Prereq: [MUS 3501 and MUS 3511] with grades of at least C- or instructor permission)
 18937 001 LEC, 11:15-13:10 Th, Ferguson Hall 123, 11:15-12:05 T, Ferguson Hall 123, In Person Term Based; Dean Sorenson ; 3 cr.

5150 Body Awareness in Activity: The Alexander Technique for Musicians

(Student Option;)
 19653 001 LAB, 11:15-12:55 Th, Ferguson Hall 85, In Person Term Based; Brian McCullough ; 2 cr.

5181 Advanced Piano Literature I

(A-F or Audit; Prereq: grad piano major or instr consent)
 33736 001 LEC, 13:25-15:20 T, Ferguson Hall 225, In Person Term Based; Paul Shaw ; 2 cr.

5230 Chorus

(Student Option; Prereq: Choral and/or instrumental music background; audition, instr consent)
 17958 001 LAB, 15:35-17:05 MW, Ferguson Hall 90, In Person Term Based; Meets With: 001 MUS 3230; Kathy Romey ; 1-2 cr.

5240 University Singers

(A-F or Audit; Prereq: Audition, instr consent)
 18138 001 LAB, 12:45-14:15 MWF, Ferguson Hall 90, In Person Term Based; Matthew Mehaffey, Kathy Romey ; 1 cr.

5241 Vocal Literature I

(A-F or Audit; Prereq: [12 cr in MusA 1304, grad music student] or instr consent)
 33780 001 LEC, 13:25-14:15 TTh, Ferguson Hall 81, In Person Term Based; Jane Giering-De Haan ; 3 cr.

5250 Opera Workshop and Ensemble

(A-F or Audit; Prereq: audition, instr consent)
 18202 001 LAB, 15:35-18:30 TTh, Ferguson Hall 99, In Person Term Based; David Walsh ; 2 cr.
 18852 002 LAB, 18:30-21:30 MTh, Ferguson Hall 99, In Person Term Based; David Walsh ; 2 cr.

5271 Diction for Singers I

(A-F or Audit; Prereq: 12 cr MusA 1304 or grad music major or instr consent)
 20869 001 LAB, 10:10-12:05 F, Ferguson Hall 81, In Person Term Based; Philip Zawisza ; 2 cr.

5275 Vocal Pedagogy I

(Student Option; Prereq: Sr vocal major or instr consent)
 21685 001 DIS, 11:15-12:05 TTh, Ferguson Hall 149, In Person Term Based; Victoria Vargas ; 3 cr.

5280 Opera Theatre

(A-F or Audit; Prereq: audition, instr consent)
 18154 001 LAB, 10:30-17:30 Sa, Ferguson Hall 99, 14:30-17:30 MWF, Ferguson Hall 99, In Person Term Based; David Walsh, Fei Ma ; 2 cr.

5333 Music After 1945

(A-F only; Prereq: MUS 4504 or Graduate music major)
 21711 001 LEC, 10:10-12:05 W, Ferguson Hall 115, 10:10-11:00 M, Ferguson Hall 115, In Person Term Based; Alyssa Barna ; 3 cr.

5340 Jazz Ensemble

(A-F or Audit; Prereq: audition, instr consent)
 17942 001 LAB, 15:35-17:00 TTh, Ferguson Hall 95, In Person Term Based; Meets With: 001 MUS 3340; Dean Sorenson ; 1 cr.
 17943 002 LAB, 11:15-12:05 MWF, Ferguson Hall 95, In Person Term Based; Meets With: 002 MUS 3340; Dean Sorenson ; 1 cr.

5400 University and Campus Bands

(Student Option;)
 20063 002 LAB, 19:00-21:00 M, Huntington Bank Stad G065A, In Person Term Based; Meets With: 002 MUS 3400; John Leonard, Rose Tyler, Roger Vajda ; 1 cr.
 20249 001 LAB, 19:00-20:30 MTh, Ferguson Hall 95, In Person Term Based; Meets With: 001 MUS 3400; Betsy McCann, John Leonard ; 1 cr.
 20930 003 LAB, 19:00-21:00 W, Huntington Bank Stad G065A, In Person Term Based; Meets With: 003 MUS 3400; John Leonard ; 1 cr.
 21990 004 LAB, 19:00-21:00 Th, Huntington Bank Stad G065A, In Person Term Based; Meets With: 004 MUS 3400; John Leonard, Seth Davis ; 1 cr.

5410 University Wind Bands

(A-F or Audit; Prereq: audition, instr consent)
 18136 001 LAB, 13:25-15:20 MWF, Ferguson Hall 95, In Person Term Based; Meets With: 001 MUS 3410; Emily Threinen, Jerry Luckhardt ; 1 cr.
 18137 002 LAB, 13:25-15:20 TThF, Ferguson Hall 95, In Person Term Based; Meets With: 002 MUS 3410; Jerry Luckhardt, Lauren Visel, Emily Threinen ; 1 cr.

5420 Orchestra

(A-F or Audit; Prereq: audition, instr consent)
 20405 002 LAB, 13:25-15:20 , , In Person Term Based; Mark Russell Smith, Andrew Kim, Jose Carrillo Siliezar, Hisham Groover ; 1 cr.
 21304 001 LAB, 13:25-15:20 MWF, Lab TBA, In Person Term Based; Mark Russell Smith, Andrew Kim, Hisham Groover, Jose Carrillo Siliezar ; 1 cr.

5427 Violin Pedagogy I

(A-F or Audit; Prereq: Violin or viola major or instr consent)
 21892 001 DIS, 09:00-10:30 F, Ferguson Hall 205, In Person Term Based; Sally O'Reilly ; 2 cr.

5440 Chamber Ensemble

(A-F or Audit; Prereq: audition, instr consent)
 19482 001 LAB, 00:00-00:00 , , In Person Term Based; Sangyoon Kim ; 1 cr.
 19667 002 LAB, 00:00-00:00 , , In Person Term Based; Meets With: 002 MUS 3440 ; 1 cr.
 19683 003 LAB, 00:00-00:00 , , In Person Term Based; Meets With: 003 MUS 3440; Thomas Ashworth ; 1 cr.
 19684 004 LAB, 00:00-00:00 , , In Person Term Based; Immanuel Davis ; 1 cr.
 19685 005 LAB, 00:00-00:00 , , In Person Term Based; Meets With: 005 MUS 3440; Immanuel Davis ; 1 cr.
 20112 006 LAB, 00:00-00:00 , , In Person Term Based; Maja Radovanlija ; 1 cr.
 20120 007 LAB, 00:00-00:00 , , In Person Term Based; Meets With: 007 MUS 3440 ; 1 cr.
 20122 008 LAB, 00:00-00:00 , , In Person Term Based; Stephanie Arado ; 1 cr.
 20125 009 LAB, 00:00-00:00 , , In Person Term Based; Marissa Benedict ; 1 cr.
 20128 010 LAB, 00:00-00:00 , , In Person Term Based; Young-Nam Kim ; 1 cr.
 20316 011 LAB, 00:00-00:00 , , In Person Term Based; Maja Radovanlija ; 1 cr.
 20322 012 LAB, 00:00-00:00 , , In Person Term Based; David Baldwin ; 1 cr.
 20325 013 LAB, 00:00-00:00 , , In Person Term Based; Sally O'Reilly ; 1 cr.
 20328 014 LAB, 00:00-00:00 , , In Person Term Based; Preston Duncan ; 1 cr.
 20330 015 LAB, 00:00-00:00 , , In Person Term Based; Preston Duncan ; 1 cr.
 20333 016 LAB, 00:00-00:00 , , In Person Term Based; Caroline Lemen ; 1 cr.
 20334 017 LAB, 00:00-00:00 , , In Person Term Based; Catherine Kinzler ; 1 cr.
 20335 018 LAB, 00:00-00:00 , , In Person Term Based; Tanya Remenikova ; 1 cr.
 20484 019 LAB, In Person Term Based; Lydia Artymiw ; 1 cr.
 20533 020 LAB, In Person Term Based; Paul Shaw ; 1 cr.
 20535 022 LAB, In Person Term Based; Timothy Lovelace ; 1 cr.
 20537 021 LAB, In Person Term Based; Kyung Kim ; 1 cr.
 20542 023 LAB, In Person Term Based; Korey Konkol ; 1 cr.
 20544 025 LAB, In Person Term Based; Norbert Nielubowski ; 1 cr.
 20546 026 LAB, In Person Term Based; Michael Kim ; 1 cr.
 20667 024 LAB, In Person Term Based; Alexander Braginsky ; 1 cr.

5450 Orchestral Repertoire

(A-F or Audit; Prereq: instr consent)
 21344 001 LAB, 19:00-21:00 Th, Ferguson Hall 90, In Person Term Based; Steven Campbell ; 1-3 cr.
 21976 002 LAB, 16:30-17:30 , , In Person Term Based; Kathy Kienzie ; 1-3 cr.

5460 World Music Ensemble

(Student Option;)
 19474 001 LAB, 18:00-20:00 W, Ferguson Hall 95, In Person Term Based; Scott Currie ; 1-2 cr.

5490 Percussion Ensemble

(A-F or Audit; Prereq: instr consent)
 18009 001 LAB, 15:35-17:30 MF, Ferguson Hall 95, In Person Term Based; Fernando Meza ; 1 cr.

5494 West African Music Ensemble

(Student Option;)
 20664 001 LAB, 15:35-17:05 T, Ferguson Hall 85, In Person Term Based; Sowah Mensah ; 1 cr.

5571 Schenkerian Analysis for Performers

(A-F or Audit; Prereq: 3502)
33986 001 LEC, 12:20-13:10 MWF, Ferguson Hall 123, In Person Term Based; David Damschroder ; 3 cr.

5591 Introduction to Music Information Technology

(A-F or Audit; Prereq: Music grad student or instr consent)
20393 001 LEC, 09:05-09:55 MWF, Ferguson Hall 81, In Person Term Based; Guerino Mazzola ; 3 cr.

5611 Resources for Music Research

(A-F or Audit; Prereq: 3603)
20374 001 LEC, 15:30-16:45 TTh, Ferguson Hall 203, In Person Term Based; Karen Painter ; 3 cr.

5950 Topics in Music

(Student Option;)
33749 001 LEC, 09:30-12:00 T, Ferguson Hall 205, In Person Term Based; Sumanth Gopinath ; 1-4 cr.
34169 002 LEC, 11:15-12:30 MW, Ferguson Hall 105, In Person Term Based; Gabriela Currie ; 1-4 cr.
34276 003 LEC, 10:10-12:45 Th, Ferguson Hall M61, In Person Term Based; Alex Lubet ; 1-4 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent, dept consent, college consent.)
18016 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.
19848 002 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

Music Applied (MUSA)**1101 Piano: Elective (non-major in music)**

(A-F or Audit; Prereq: dept consent)
17941 001 LAB, 00:00-00:00 , , In Person Term Based; Koki Sato ; 2-4 cr.
18616 002 LAB, 00:00-00:00 , , In Person Term Based; Samantha Martinez-Brockhus ; 2-4 cr.
18617 003 LAB, 00:00-00:00 , , In Person Term Based; 2-4 cr.
20722 004 LAB, In Person Term Based; 2-4 cr.

1103 Organ: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
19353 001 LAB, 00:00-00:00 , , In Person Term Based; Dean Billmeyer ; 2-4 cr.

1104 Voice: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
19762 001 LAB, 00:00-00:00 , , In Person Term Based; Elena Zolnick ; 2-4 cr.
19798 002 LAB, 00:00-00:00 , , In Person Term Based; Mary Kate Hubbard ; 2-4 cr.
19811 003 LAB, 00:00-00:00 , , In Person Term Based; Jane Giering-De Haan ; 2-4 cr.
20066 004 LAB, In Person Term Based; Philip Zawisza ; 2-4 cr.
21179 005 LAB, In Person Term Based; Victoria Vargas ; 2-4 cr.

1105 Violin: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
19941 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Kyu-Young Kim ; 2-4 cr.
21180 002 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Stephanie Arado ; 2-4 cr.
21181 003 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Sally O'Reilly ; 2-4 cr.

1106 Viola: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
20117 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Korey Konkol ; 2-4 cr.

1107 Cello: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
20873 001 LAB, In Person Term Based; Tanya Remenikova ; 2-4 cr.
21277 002 LAB, In Person Term Based; Omar Macias ; 2-4 cr.

1109 Flute: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
20953 001 LAB, In Person Term Based; Immanuel Davis ; 2-4 cr.
21301 002 LAB, In Person Term Based; Savannah Ridley ; 2-4 cr.

1111 Oboe: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
20939 001 LAB, In Person Term Based; Christine Kim ; 2-4 cr.

1112 Clarinet: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
20132 001 LAB, 00:00-00:00 , , In Person Term Based; Jan Scholl ; 2-4 cr.
20949 002 LAB, In Person Term Based; Jennifer Gerth ; 2-4 cr.
20950 003 LAB, In Person Term Based; Timothy Zavadil ; 2-4 cr.

1113 Saxophone: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
20519 001 LAB, In Person Term Based; Preston Duncan ; 2-4 cr.

1115 French Horn: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
20131 001 LAB, 00:00-00:00 , , In Person Term Based; Caroline Lemen ; 2-4 cr.

1116 Trumpet: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
20318 001 LAB, 00:00-00:00 , , In Person Term Based; Marissa Benedict ; 2-4 cr.

1117 Trombone: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
21302 001 LAB, In Person Term Based; Thomas Ashworth ; 2-4 cr.

1118 Euphonium: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
20959 001 LAB, In Person Term Based; John Tranter ; 2-4 cr.

1119 Tuba: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
21360 001 LAB, In Person Term Based; Steven Campbell ; 2-4 cr.

1121 Percussion: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
20539 001 LAB, In Person Term Based; Fernando Meza ; 2-4 cr.
20733 002 LAB, In Person Term Based; Philip Hey ; 2-4 cr.
21349 003 LAB, In Person Term Based; John Donovan ; 2-4 cr.

1123 Guitar: Elective (non-major in music)

(A-F or Audit; Prereq: dept consent)
18618 001 LAB, 00:00-00:00 , , In Person Term Based; Samuel Hines ; 2-4 cr.
18876 002 LAB, 00:00-00:00 , , In Person Term Based; Nikola Korovljev ; 2-4 cr.
19376 003 LAB, 00:00-00:00 , , In Person Term Based; Samuel Hines ; 2-4 cr.

1201 Piano: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
21182 001 IND, In Person Term Based; Alexander Braginsky ; 2 cr.
21183 002 IND, In Person Term Based; Paul Shaw ; 2 cr.

1203 Organ: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent This course is offered for 2 credits and meets for two hours a week; one hour being a one-on-one lesson between the instructor and student, and another hour in the instructor-led studio class.)
21185 001 IND, In Person Term Based; Dean Billmeyer ; 2 cr.

1204 Voice: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
19807 001 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Jean Del Santo ; 2 cr.
19808 002 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Stanford Felix ; 2 cr.
19809 005 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Philip Zawisza ; 2 cr.
20910 003 IND, In Person Term Based; Victoria Vargas ; 2 cr.

20938 006 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Jane Giering-De Haan ; 2 cr.
20940 004 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; John De Haan ; 2 cr.

1205 Violin: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
20934 001 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Kyu-Young Kim ; 2 cr.
21186 002 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Stephanie Arado ; 2 cr.
21306 003 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Sally O'Reilly ; 2 cr.

1206 Viola: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
20106 001 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Korey Konkol ; 2 cr.

1207 Cello: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
21174 001 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Tanya Remenikova ; 2 cr.

1208 Double Bass: Music Education and BA

(A-F only;)
20944 001 IND, In Person Term Based; ; 2 cr.

1209 Flute: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
21945 002 IND, In Person Term Based; Immanuel Davis ; 2 cr.

1211 Oboe: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
21187 001 IND, In Person Term Based; Christine Kim ; 2 cr.

1212 Clarinet: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
19942 001 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Jennifer Gerth ; 2 cr.
20853 002 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Sangyoon Kim ; 2 cr.

1213 Saxophone: Music Ed and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
19810 001 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Preston Duncan ; 2 cr.

1214 Bassoon: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
21188 001 IND, In Person Term Based; ; 2 cr.

1215 French Horn: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
20908 001 IND, 15:35-17:35 M, Lab TBA, In Person Term Based; Caroline Lemen ; 2 cr.
21305 002 IND, In Person Term Based; Ellen Dinwiddie Smith ; 2 cr.

1216 Trumpet: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
19804 001 IND, 15:35-17:30 W, Lab TBA, In Person Term Based; Marissa Benedict ; 2 cr.

1217 Trombone: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
19803 001 IND, 15:35-17:35 M, Lab TBA, In Person Term Based; Thomas Ashworth ; 2 cr.

1218 Euphonium: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
21325 001 IND, In Person Term Based; John Tranter ; 2 cr.

1219 Tuba: Music Education and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)
20936 001 IND, 18:00-19:00 T, Lab TBA, In Person Term Based; Steven Campbell ; 2 cr.

1221 Percussion: Music Ed and BA

(A-F only; Prereq: [Music education or BA applied] major, dept consent)

19805 001 IND, 15:30-16:30 W, Lab TBA, In Person Term Based; Fernando Meza ; 2 cr.
21189 002 IND, In Person Term Based; Philip Hey ; 2 cr.**1223 Guitar: Music Education and BA**

(A-F only; Prereq: [Music education or BA applied] major, dept consent)

20231 001 IND, 00:00-00:00 , , In Person Term Based; Maja Radovanlija ; 2 cr.

1301 Piano: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19659 003 LAB, 13:15-15:15 W, Lab TBA, In Person Term Based; Paul Shaw ; 2-4 cr.
20488 004 LAB, 12:30-14:30 M, Lab TBA, In Person Term Based; Timothy Lovelace ; 2-4 cr.
20909 002 LAB, 14:00-15:30 F, Lab TBA, In Person Term Based; Alexander Braginsky ; 2-4 cr.**1302 Harpsichord: Music Major**

(A-F or Audit; Prereq: Audition, dept consent)

21190 001 LAB, In Person Term Based; Dean Billmeyer ; 2-4 cr.

1303 Organ: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

20232 001 LAB, 00:00-00:00 , , In Person Term Based; Dean Billmeyer ; 2-4 cr.

1304 Voice: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18071 001 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Jane Giering-De Haan ; 2-4 cr.
18619 002 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Stanford Felix ; 2-4 cr.
18620 003 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Victoria Vargas ; 2-4 cr.
18621 004 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; John De Haan ; 2-4 cr.
19660 005 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Philip Zawisza ; 2-4 cr.
20730 006 LAB, In Person Term Based; Jane Giering-De Haan ; 2-4 cr.**1305 Violin: Music Major**

(A-F or Audit; Prereq: Audition, dept consent)

20951 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Kyu-Young Kim ; 2-4 cr.
21192 002 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Sally O'Reilly ; 2-4 cr.
21887 003 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Stephanie Arado ; 2-4 cr.**1306 Viola: Music Major**

(A-F or Audit; Prereq: Audition, dept consent)

19326 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Korey Konkol ; 2-4 cr.

1307 Cello: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18238 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Tanya Remenikova ; 2-4 cr.

1308 Double Bass: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18239 001 LAB, 17:00-18:30 Th, Lab TBA, In Person Term Based; Meets With: 001 MUSA 2308001 MUSA 8308; Christopher Brown ; 2-4 cr.

1309 Flute: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18622 002 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Immanuel Davis ; 2-4 cr.
20914 001 LAB, 15:30-17:30 M, Lab TBA, In Person Term Based; Julia Bogorad ; 2-4 cr.**1311 Oboe: Music Major**

(A-F or Audit; Prereq: Audition, dept consent)

19377 001 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Christine Kim ; 2-4 cr.

1312 Clarinet: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19191 001 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Jennifer Gerth ; 2-4 cr.
21193 002 LAB, In Person Term Based; Sangyoon Kim ; 2-4 cr.**1313 Saxophone: Music Major**

(A-F or Audit; Prereq: Audition, dept consent)

18623 001 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Preston Duncan ; 2-4 cr.

1314 Bassoon: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18624 001 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Fei Xie ; 2-4 cr.
19806 002 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Norbert Nielubowski ; 2-4 cr.**1315 French Horn: Music Major**

(A-F or Audit; Prereq: Audition, dept consent)

18821 001 LAB, 15:35-17:35 M, Lab TBA, In Person Term Based; Caroline Lemen ; 2-4 cr.
20907 002 LAB, 15:35-17:35 M, Lab TBA, In Person Term Based; Ellen Dinwiddie Smith ; 2-4 cr.**1316 Trumpet: Music Major**

(A-F or Audit; Prereq: Audition, dept consent)

18240 001 LAB, 15:35-17:30 W, Lab TBA, In Person Term Based; Marissa Benedict ; 2-4 cr.

1317 Trombone: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19705 001 LAB, 15:35-17:35 M, Lab TBA, In Person Term Based; Thomas Ashworth ; 2-4 cr.

1318 Euphonium: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19706 001 LAB, In Person Term Based; John Tranter ; 2-4 cr.

1319 Tuba: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19354 001 LAB, 18:00-19:00 T, Lab TBA, In Person Term Based; Steven Campbell ; 2-4 cr.

1321 Percussion: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18625 002 LAB, 15:30-16:30 W, Lab TBA, In Person Term Based; Fernando Meza ; 2-4 cr.
20921 001 LAB, 15:30-16:30 W, Lab TBA, In Person Term Based; Philip Hey ; 2-4 cr.
21340 003 LAB, 15:30-16:20 W, Lab TBA, In Person Term Based; Adam Rappel ; 2-4 cr.**1322 Harp: Music Major**

(A-F or Audit; Prereq: Audition, dept consent)

21195 001 LAB, In Person Term Based; Kathy Kienzle ; 2-4 cr.

1323 Guitar: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19378 001 LAB, 15:30-17:00 F, Lab TBA, In Person Term Based; Maja Radovanlija ; 2-4 cr.

1401 Piano: Music Major Secondary

(undergraduate)

(A-F or Audit; Prereq: Music major, dept consent)

18310 001 LAB, 00:00-00:00 , , In Person Term Based; Timothy Lovelace ; 2-4 cr.
19403 003 LAB, 00:00-00:00 , , In Person Term Based; Michael Min ; 2-4 cr.
20928 002 LAB, In Person Term Based; Paul Shaw ; 2-4 cr.**1402 Harpsichord: Music Major Secondary**

(undergraduate)

(A-F or Audit; Prereq: Audition, dept consent)

19691 001 LAB, 00:00-00:00 , , In Person Term Based; Dean Billmeyer ; 2-4 cr.

1403 Organ: Music Major Secondary

(undergraduate)

(A-F or Audit; Prereq: Audition, dept consent)

20899 001 LAB, In Person Term Based; Thomas Ferry ; 2-4 cr.

1404 Voice: Music Major Secondary

(undergraduate)

(A-F or Audit; Prereq: Audition, dept consent)

18316 001 LAB, 00:00-00:00 , , In Person Term Based; Mary Kate Hubbard ; 2-4 cr.
19431 002 LAB, 00:00-00:00 , , In Person Term Based; Elena Zolnick ; 2-4 cr.**1405 Violin: Music Major Secondary**

(undergraduate)

(A-F or Audit; Prereq: Audition, dept consent)

21196 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Sally O'Reilly ; 2-4 cr.
21985 002 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Stephanie Arado ; 2-4 cr.**1406 Viola: Music Major Secondary**

(undergraduate)

(A-F or Audit; Prereq: Audition, dept consent)

20487 001 LAB, In Person Term Based; Korey Konkol ; 2-4 cr.

1407 Cello: Music Major Secondary

(undergraduate)

(A-F or Audit; Prereq: Audition, dept consent)

21992 002 LAB, In Person Term Based; Omar Macias ; 2-4 cr.

1408 Double Bass: Music Major Secondary

(undergraduate)

(A-F or Audit; Prereq: Audition, dept consent)

20954 001 LAB, In Person Term Based; David Williamson ; 2-4 cr.

1414 Bassoon: Music Major Secondary

(undergraduate)

(A-F or Audit; Prereq: Audition, dept consent)

21197 001 LAB, In Person Term Based; Norbert Nielubowski ; 2-4 cr.

1421 Percussion: Music Major Secondary

(undergraduate)

(A-F or Audit; Prereq: Audition, dept consent)

19960 001 LAB, 00:00-00:00 , , In Person Term Based; Philip Hey ; 2-4 cr.

1423 Guitar: Music Major Secondary

(undergraduate)

(A-F or Audit; Prereq: Audition, dept consent)

19802 001 LAB, 00:00-00:00 , , In Person Term Based; Filip Zivanovic ; 2-4 cr.
20958 002 LAB, In Person Term Based; Nikola Korovljev ; 2-4 cr.
21198 003 LAB, In Person Term Based; Momcilo Aleksandric ; 2-4 cr.**1901 Piano: Music Major Transfer**

(A-F or Audit; Prereq: Audition, dept consent)

20728 001 LAB, In Person Term Based; Alexander Braginsky ; 2-4 cr.
21336 002 LAB, In Person Term Based; Timothy Lovelace ; 2-4 cr.**1903 Organ: Music Major Transfer**

(A-F or Audit; Prereq: Audition, dept consent)

20918 001 LAB, In Person Term Based; Dean Billmeyer ; 2-4 cr.

1904 Voice: Music Major Transfer

(A-F or Audit; Prereq: Audition, dept consent)

20468 001 LAB, In Person Term Based; John De Haan ; 2-4 cr.
22009 002 LAB, In Person Term Based; Philip Zawisza ; 2-4 cr.**1905 Violin: Music Major Transfer**

(A-F or Audit; Prereq: Audition, dept consent)

20879 001 LAB, 15:30-18:30 Th, Lab TBA, In Person Term Based; Sally O'Reilly ; 2-4 cr.

1906 Viola: Music Major Transfer

(A-F or Audit; Prereq: Audition, dept consent)

20720 001 LAB, 15:30-18:30 Th, Lab TBA, In Person Term Based; Korey Konkol ; 2-4 cr.

1908 Double Bass: Music Major Transfer

(A-F or Audit; Prereq: Audition, dept consent)

21199 001 LAB, In Person Term Based; David Williamson ; 2-4 cr.

1912 Clarinet: Music Major Transfer

(A-F or Audit; Prereq: Audition, dept consent)

21963 001 LAB, In Person Term Based; Jennifer Gerth ; 2-4 cr.
21968 002 LAB, In Person Term Based; Sangyoon Kim ; 2-4 cr.**1915 French Horn: Music Major Transfer**

(A-F or Audit; Prereq: Audition, dept consent)

20917 001 LAB, 15:35-17:35 M, Lab TBA, In Person Term Based; Caroline Lemen ; 2-4 cr.

1916 Trumpet: Music Major Transfer

(A-F or Audit; Prereq: Audition, dept consent)

18315 001 LAB, 15:35-17:35 M, Lab TBA, In Person Term Based; 2-4 cr.

1917 Trombone: Music Major Transfer

(A-F or Audit; Prereq: Audition, dept consent)

19812 001 LAB, 15:35-17:35 M, Lab TBA, In Person Term Based; Thomas Ashworth ; 2-4 cr.
20948 002 LAB, In Person Term Based; John Tranter ; 2-4 cr.

1918 Euphonium: Music Major Transfer**(A-F or Audit; Prereq: Audition, dept consent)**

20737 001 LAB, 18:00-19:00 T, Lab TBA, In Person Term Based; John Tranter ; 2-4 cr.

1921 Percussion: Music Major Transfer**(A-F or Audit; Prereq: Audition, dept consent)**

21916 001 LAB, In Person Term Based; Fernando Meza ; 2-4 cr.

1923 Guitar: Music Major Transfer**(A-F or Audit; Prereq: Audition, dept consent)**

19707 001 LAB, 15:30-17:00 F, Lab TBA, In Person Term Based; Maja Radovanlija ; 2-4 cr.

2201 Piano: Music Ed and BA**(A-F only; Prereq: [Music education or BA applied] major, dept consent)**

19877 001 IND, 13:15-15:15 W, Lab TBA, In Person Term Based; Paul Shaw ; 2 cr.

2203 Organ: Music Education and BA**(A-F only; Prereq: dept consent)**

21324 001 IND, In Person Term Based; Thomas Ferry ; 2 cr.

2204 Voice: Music Education and BA**(A-F only; Prereq: dept consent)**

19878 002 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Stanford Felix ; 2 cr.
19879 005 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Philip Zawisza ; 2 cr.
20645 006 IND, 14:30-15:20 TTh, Lab TBA, In Person Term Based; Jane Giering-De Haan ; 2 cr.
20849 001 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Jean Del Santo ; 2 cr.
21323 004 IND, In Person Term Based; John De Haan ; 2 cr.
21352 007 IND, In Person Term Based; Victoria Vargas ; 2 cr.

2205 Violin: Music Education and BA**(A-F only; Prereq: dept consent)**

20418 003 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Sally O'Reilly ; 2 cr.
21291 001 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Stephanie Arado ; 2 cr.

2206 Viola: Music Education and BA**(A-F only; Prereq: dept consent)**

19880 001 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Korey Konkol ; 2 cr.

2207 Cello: Music Education and BA**(A-F only; Prereq: dept consent)**

20079 001 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Tanya Remenikova ; 2 cr.

2208 Bass: Music Education and BA**(A-F only; Prereq: dept consent)**

19929 001 IND, 00:00-00:00 , , In Person Term Based; Christopher Brown ; 2 cr.

2209 Flute: Music Education and BA**(A-F only; Prereq: dept consent)**

19881 001 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Immanuel Davis ; 2 cr.

2211 Oboe: Music Education and BA**(A-F only; Prereq: dept consent)**

21865 001 IND, In Person Term Based; Christine Kim ; 2 cr.

2212 Clarinet: Music Education and BA**(A-F only; Prereq: dept consent)**

20113 001 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Jennifer Gerth ; 2 cr.
20670 002 IND, 15:35-17:00 M, Lab TBA, In Person Term Based; Sangyoon Kim ; 2 cr.

2213 Saxophone: Music Education and BA**(A-F only; Prereq: dept consent)**

20847 001 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Preston Duncan ; 2 cr.

2214 Bassoon: Music Education and BA**(A-F only; Prereq: dept consent)**

20725 001 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; ; 2 cr.

2215 French Horn: Music Education and BA**(A-F only; Prereq: dept consent)**

20897 001 IND, In Person Term Based; Caroline Lemen ; 2 cr.
21890 002 IND, In Person Term Based; Ellen Dinwiddie Smith ; 2 cr.

2216 Trumpet: Music Education and BA**(A-F only; Prereq: dept consent)**

19882 001 IND, 15:35-17:30 W, Lab TBA, In Person Term Based; Marissa Benedict ; 2 cr.

2217 Trombone: Music Education and BA**(A-F only; Prereq: dept consent)**

19883 001 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Thomas Ashworth ; 2 cr.

2218 Euphonium: Music Education and BA**(A-F only; Prereq: dept consent)**

21846 001 IND, In Person Term Based; John Tranter ; 2 cr.

2219 Tuba: Music Education and BA**(A-F only; Prereq: dept consent)**

21292 001 IND, In Person Term Based; Steven Campbell ; 2 cr.

2221 Percussion: Music Education and BA**(A-F only; Prereq: dept consent)**

19884 001 IND, 15:30-16:30 W, Lab TBA, In Person Term Based; Fernando Meza ; 2 cr.
22026 002 IND, In Person Term Based; Philip Hey ; 2 cr.

2222 Harp: Music Education and BA**(A-F only; Prereq: dept consent)**

20074 001 IND, 00:00-00:00 , , In Person Term Based; Kathy Kienzle ; 2 cr.

2223 Guitar: Music Education and BA**(A-F only; Prereq: dept consent)**

20895 001 IND, In Person Term Based; Maja Radovanlija ; 2 cr.

2301 Piano: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

19749 001 LAB, 14:00-15:30 F, Lab TBA, In Person Term Based; Alexander Braginsky ; 2-4 cr.
19750 002 LAB, 13:15-15:15 W, Lab TBA, In Person Term Based; Paul Shaw ; 2-4 cr.
20663 003 LAB, 12:30-14:30 , , In Person Term Based; Timothy Lovelace ; 2-4 cr.

2303 Organ: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

18644 001 LAB, 00:00-00:00 , , In Person Term Based; Dean Billmeyer ; 2-4 cr.

2304 Voice: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

19753 003 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Victoria Vargas ; 2-4 cr.
19754 004 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; John De Haan ; 2-4 cr.
20666 006 LAB, In Person Term Based; Jane Giering-De Haan ; 2-4 cr.
20884 002 LAB, In Person Term Based; Stanford Felix ; 2-4 cr.
20889 001 LAB, In Person Term Based; Jean Del Santo ; 2-4 cr.
20896 005 LAB, In Person Term Based; Philip Zawisza ; 2-4 cr.

2305 Violin: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

19755 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Kyu-Young Kim ; 2-4 cr.
19756 003 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Sally O'Reilly ; 2-4 cr.
21888 002 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Stephanie Arado ; 2-4 cr.

2306 Viola: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

20888 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Korey Konkol ; 2-4 cr.

2307 Cello: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

19774 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Tanya Remenikova ; 2-4 cr.

2308 Double Bass: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

19373 001 LAB, 17:00-18:30 Th, Lab TBA, In Person Term Based; Meets With: 001 MUSA 1308001 MUSA 8308; Christopher Brown ; 2-4 cr.

2309 Flute: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

19355 002 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Immanuel Davis ; 2-4 cr.
21285 001 LAB, In Person Term Based; Julia Bogorad ; 2-4 cr.

2311 Oboe: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

21866 001 LAB, In Person Term Based; Christine Kim ; 2-4 cr.

2312 Clarinet: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

20890 001 LAB, In Person Term Based; Jennifer Gerth ; 2-4 cr.
20891 002 LAB, In Person Term Based; Sangyoon Kim ; 2-4 cr.

2313 Saxophone: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

19773 001 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Preston Duncan ; 2-4 cr.

2314 Bassoon: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

21641 001 LAB, In Person Term Based; Norbert Nielubowski ; 2-4 cr.
21954 002 LAB, In Person Term Based; Fei Xie ; 2-4 cr.

2315 French Horn: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

20894 002 LAB, In Person Term Based; Caroline Lemen ; 2-4 cr.
21293 001 LAB, In Person Term Based; Ellen Dinwiddie Smith ; 2-4 cr.

2316 Trumpet: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

20882 001 LAB, 15:35-17:30 W, Lab TBA, In Person Term Based; Marissa Benedict ; 2-4 cr.

2317 Trombone: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

18647 001 LAB, 15:35-17:35 M, Lab TBA, In Person Term Based; Thomas Ashworth ; 2-4 cr.

2318 Euphonium: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

19356 001 LAB, 18:00-19:00 T, Lab TBA, In Person Term Based; John Tranter ; 2-4 cr.

2319 Tuba: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

20932 001 LAB, 18:00-19:00 T, Lab TBA, In Person Term Based; Steven Campbell ; 2-4 cr.

2321 Percussion: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

20902 001 LAB, In Person Term Based; Fernando Meza ; 2-4 cr.
34768 002 LAB, In Person Term Based; Philip Hey ; 2-4 cr.

2323 Guitar: Music Major**(A-F or Audit; Prereq: Audition, dept consent)**

19708 001 LAB, 00:00-00:00 , , In Person Term Based; Maja Radovanlija ; 2-4 cr.

3101 Piano: Elective (non-major in music)**(A-F or Audit; Prereq: dept consent)**

18988 001 LAB, 00:00-00:00 , , In Person Term Based; Paul Shaw ; 2-4 cr.
20931 004 LAB, In Person Term Based; Juhee Park ; 2-4 cr.

3201 Piano: Music Ed and BA**(A-F only;)**

20648 004 IND, 12:30-14:30 M, Lab TBA, In Person Term Based; Kyung Kim ; 2 cr.
20665 003 IND, 13:15-15:15 W, Lab TBA, In Person Term Based; Paul Shaw ; 2 cr.

3204 Voice: Music Education and BA**(A-F only;)**

19915 001 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Jean Del Santo ; 2 cr.
19937 002 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Stanford Felix ; 2 cr.
19965 003 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Victoria Vargas ; 2 cr.
19982 004 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; John De Haan ; 2 cr.
19983 005 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Philip Zawisza ; 2 cr.

20850 006 IND, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Jane Giering-De Haan ; 2 cr.

3205 Violin: Music Education and BA

(A-F only;)

20434 003 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Sally O'Reilly ; 2 cr.

20886 002 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Stephanie Arado ; 2 cr.

21160 001 IND, 15:30-16:30 Th, Lab TBA, In Person Term Based; Kyu-Young Kim ; 2 cr.

3209 Flute: Music Education and BA

(A-F only;)

20846 001 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Immanuel Davis ; 2 cr.

3211 Oboe: Music Education and BA

(A-F only;)

20123 001 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Christine Kim ; 2 cr.

3212 Clarinet: Music Education and BA

(A-F only;)

20300 001 IND, 15:35-17:00 M, Lab TBA, In Person Term Based; Jennifer Gerth ; 2 cr.

20671 002 IND, In Person Term Based; Sangyoon Kim ; 2 cr.

3213 Saxophone: Music Education and BA

(A-F only;)

20078 001 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Preston Duncan ; 2 cr.

3214 Bassoon: Music Education and BA

(A-F only;)

21855 001 IND, In Person Term Based; Norbert Nielubowski ; 2 cr.

3215 French Horn: Music Education and BA

(A-F only;)

20076 001 IND, 15:35-17:35 M, Lab TBA, In Person Term Based; Caroline Lemen ; 2 cr.

34207 002 IND, 15:35-17:30 M, Lab TBA, In Person Term Based; Ellen Dinwiddie Smith ; 2 cr.

3216 Trumpet: Music Education and BA

(A-F only;)

20073 001 IND, 15:35-17:30 W, Lab TBA, In Person Term Based; Marissa Benedict ; 2 cr.

3217 Trombone: Music Education and BA

(A-F only;)

20861 001 IND, In Person Term Based; Thomas Ashworth ; 2 cr.

20957 002 IND, In Person Term Based; John Tranter ; 2 cr.

3221 Percussion: Music Education and BA

(A-F only;)

20077 001 IND, 15:30-16:30 W, Lab TBA, In Person Term Based; Fernando Meza ; 2 cr.

22022 002 IND, In Person Term Based; Philip Hey ; 2 cr.

3222 Harp: Music Education and BA

(A-F only;)

34645 001 IND, In Person Term Based; Kathy Kienzle ; 2 cr.

3223 Guitar: Music Education and BA

(A-F only; Prereq: Audition, dept consent)

20055 001 LAB, 15:30-17:00 F, Lab TBA, In Person Term Based; Maja Radovanlija ; 2 cr.

3301 Piano: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19662 001 LAB, 16:30-18:30 T, Lab TBA, In Person Term Based; 2-4 cr.

19663 002 LAB, 14:00-15:30 F, Lab TBA, In Person Term Based; Alexander Braginsky ; 2-4 cr.

20662 004 LAB, In Person Term Based; Timothy Lovelace ; 2-4 cr.

20903 003 LAB, In Person Term Based; Paul Shaw ; 2-4 cr.

3302 Harpsichord: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

21203 001 LAB, In Person Term Based; Dean Billmeyer ; 2-4 cr.

3303 Organ: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

20848 002 LAB, In Person Term Based; Thomas Ferry ; 2-4 cr.

21204 001 LAB, In Person Term Based; Dean Billmeyer ; 2-4 cr.

3304 Voice: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18241 001 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Jean Del Santo ; 2-4 cr.

18626 002 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Jane Giering-De Haan ; 2-4 cr.

18627 003 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Victoria Vargas ; 2-4 cr.

19341 005 LAB, 14:30-15:30 TTh, Lab TBA, In Person Term Based; Philip Zawisza ; 2-4 cr.

20892 004 LAB, In Person Term Based; John De Haan ; 2-4 cr.

20893 006 LAB, In Person Term Based; Stanford Felix ; 2-4 cr.

3305 Violin: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19342 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Kyu-Young Kim ; 2-4 cr.

21162 002 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Sally O'Reilly ; 2-4 cr.

21889 003 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Stephanie Arado ; 2-4 cr.

3306 Viola: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

20887 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Corey Konkol ; 2-4 cr.

3307 Cello: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18254 001 LAB, 15:30-16:30 Th, Lab TBA, In Person Term Based; Tanya Remenikova ; 2-4 cr.

3308 Double Bass: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19772 001 LAB, 15:30-17:30 W, Lab TBA, In Person Term Based; Christopher Brown ; 2-4 cr.

3309 Flute: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18628 002 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Immanuel Davis ; 2-4 cr.

21205 001 LAB, In Person Term Based; Julia Bogorad ; 2-4 cr.

3311 Oboe: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19379 001 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Christine Kim ; 2-4 cr.

3312 Clarinet: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

20672 002 LAB, In Person Term Based; Sangyoon Kim ; 2-4 cr.

21309 003 LAB, In Person Term Based; Jennifer Gerth ; 2-4 cr.

3313 Saxophone: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18629 001 LAB, 15:35-17:30 M, Lab TBA, In Person Term Based; Preston Duncan ; 2-4 cr.

3314 Bassoon: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

21206 001 LAB, In Person Term Based; Fei Xie ; 2-4 cr.

21207 002 LAB, In Person Term Based; Norbert Nielubowski ; 2-4 cr.

3315 French Horn: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18630 002 LAB, 15:35-17:35 M, Lab TBA, In Person Term Based; Caroline Lemen ; 2-4 cr.

20732 001 LAB, 15:35-17:35 M, Lab TBA, In Person Term Based; Ellen Dinwiddie Smith ; 2-4 cr.

3316 Trumpet: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

20883 001 LAB, 15:35-17:30 W, Lab TBA, In Person Term Based; Marissa Benedict ; 2-4 cr.

3317 Trombone: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

18255 001 LAB, 15:35-17:35 M, Lab TBA, In Person Term Based; Thomas Ashworth ; 2-4 cr.

3318 Euphonium: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

21208 001 LAB, 18:00-19:00 T, Lab TBA, In Person Term Based; John Tranter ; 2-4 cr.

3319 Tuba: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

21209 001 LAB, 18:00-19:00 T, Lab TBA, In Person Term Based; Steven Campbell ; 2-4 cr.

3321 Percussion: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

21886 001 LAB, In Person Term Based; Fernando Meza ; 2-4 cr.

34769 002 LAB, In Person Term Based; Philip Hey ; 2-4 cr.

3322 Harp: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

21210 001 LAB, In Person Term Based; Kathy Kienzle ; 2-4 cr.

3323 Guitar: Music Major

(A-F or Audit; Prereq: Audition, dept consent)

19052 001 LAB, 15:30-17:00 F, Lab TBA, In Person Term Based; Maja Radovanlija ; 2-4 cr.

5101 Piano: Elective (graduate non-major in music)

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

21211 001 LAB, In Person Term Based; Timothy Lovelace ; 2 cr.

5103 Organ: Elective (graduate non-major in music)

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

21212 001 LAB, In Person Term Based; Dean Billmeyer ; 2 cr.

5104 Voice: Elective (graduate non-major in music)

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

21213 001 LAB, In Person Term Based; Wendy Zaro-Mullins ; 2 cr.

5105 Violin: Elective (graduate non-major in music)

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

21214 001 LAB, In Person Term Based; Stephanie Arado ; 2 cr.

21215 002 LAB, In Person Term Based; Sally O'Reilly ; 2 cr.

5116 Trumpet: Elective Individual Lessons (graduate non-major in music)

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

20727 001 LAB, 15:35-17:30 W, Lab TBA, In Person Term Based; Marissa Benedict ; 2 cr.

5121 Percussion: Elective (graduate non-major in music)

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

21216 001 LAB, In Person Term Based; Philip Hey ; 2 cr.

34770 002 LAB, In Person Term Based; Fernando Meza ; 2 cr.

5123 Guitar: Elective (graduate non-major in music)

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

21217 001 LAB, In Person Term Based; 2 cr.

5401 Piano: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)

19343 001 LAB, 00:00-00:00 , In Person Term Based; Kyung Kim ; 2-4 cr.

20943 002 LAB, In Person Term Based; Kyung Kim ; 2-4 cr.

21343 003 LAB, In Person Term Based; Paul Shaw ; 2-4 cr.

5402 Harpsichord: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)

21897 001 LAB, In Person Term Based; Dean Billmeyer ; 2-4 cr.

5403 Organ: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)

20868 001 LAB, In Person Term Based; Dean Billmeyer ; 2-4 cr.

5404 Voice: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)

20129 003 LAB, In Person Term Based; Philip Zawisza ; 2-4 cr.

20528 002 LAB, In Person Term Based; Victoria Vargas ; 2-4 cr.

20929 001 LAB, In Person Term Based; Wendy Zaro-Mullins ;
2-4 cr.

22029 004 LAB, In Person Term Based; John De Haan ; 2-4
cr.

5405 Violin: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
21218 001 LAB, In Person Term Based; Kyu-Young Kim ; 2-4
cr.

5408 Double Bass: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
20952 001 LAB, In Person Term Based; Christopher Brown ;
2-4 cr.

5409 Flute: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
19967 001 LAB, 00:00-00:00 , , In Person Term Based;
Immanuel Davis ; 2-4 cr.

5414 Bassoon: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
19838 001 LAB, 00:00-00:00 , , In Person Term Based;
Norbert Nielubowski ; 2-4 cr.

5417 Trombone: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
19692 001 LAB, In Person Term Based; Thomas Ashworth ;
2-4 cr.
20947 002 LAB, In Person Term Based; John Tranter ; 2-4 cr.

5421 Percussion: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
20937 001 LAB, In Person Term Based; Phillip Hey ; 2-4 cr.

5423 Guitar: Music Major Secondary (graduate)

(A-F or Audit; Prereq: Audition, dept consent)
20956 001 LAB, In Person Term Based; Maja Radovanlija ;
2-4 cr.

Music Education (MUED)

1201 Introduction to Music Education

(A-F only;)
20593 001 LEC, 11:15-12:05 MW, Ferguson Hall 107, In
Person Term Based; Emily Heuschele ; 2 cr.

1801 Introduction to Music Therapy

(A-F or Audit;)
18153 001 LEC, 12:20-13:10 MW, Ferguson Hall 115, In
Person Term Based; Hilary Fredenburg ; 2 cr.

3802 Guitar I for Music Education and Music Therapy Majors: Developing Group Songleading Skills

(A-F only; Prereq: [Music therapy or music education
major], dept consent)
19328 001 LAB, 08:00-08:50 MW, Ferguson Hall 90, In
Person Term Based; Todd Schwartzberg ; 2 cr.

4502 String Techniques and Teaching (A-F or Audit;)

34906 001 LEC, 12:20-13:10 MWF, Ferguson Hall 95, In
Person Term Based; Emily Heuschele ; 2 cr.

4504 Brass Techniques and Teaching (A-F or Audit;)

20771 001 LAB, 10:10-11:00 MWF, Ferguson Hall 85, In
Person Term Based; David Kassler ; 2 cr.

5101 Improvisation and Creativity in the Music Classroom

(A-F only; Prereq: At least C- in MUS 4504 or instructor
permission)
20595 001 LAB, 10:10-11:00 MW, Ferguson Hall 95, In
Person Term Based; Scott Currie, Dean Sorenson ; 2 cr.

5302 General Music II

(A-F only; Prereq: MUED 5301, MUED 1201, MUS 4504,
and MUS 4514 with a grade of at least C-)
20596 001 LEC, 10:00-11:45 TTh, Ferguson Hall 107, In
Person Term Based; Scott Iseminger ; 3 cr.

5350 Student Teaching in Classroom Music (A-F or Audit;)

20597 001 FWK, In Person Term Based; 4-8 cr.

5416 Choral/Vocal Methods and Materials II

(A-F only; Prereq: MUED 5415, MUED 1201, MUS
4504, and MUS 4514 with grade of at least C-, [music
education major or instr consent], completion of the
Music Education sophomore proficiency exam)
20594 001 LAB, 08:00-09:45 TTh, Ferguson Hall 157, In
Person Term Based; Keitha Hamann ; 3 cr.

5419 Advanced Conducting and Repertoire (Choral)

(A-F only; Prereq: 3416, MUS 3401, MUS 3502, MUS
3512, music education major [choral])
33737 001 LAB, 09:30-12:00 F, Ferguson Hall 90, In Person
Term Based; Matthew Mehaffey ; 2 cr.

5450 Student Teaching in Vocal Music

(A-F or Audit;)
20598 001 FWK, In Person Term Based; Keitha Hamann ;
4-8 cr.

5517 Instrumental Methods and Materials II

(A-F only; Prereq: MUED 5517, MUED 1201, MUS 4504,
and MUS 4514 with a grade of C- or better, music educ
major, completion of the Music Education sophomore
proficiency exam)
20599 001 LEC, 08:00-09:45 TTh, Ferguson Hall 95, In
Person Term Based; Emily Heuschele ; 3 cr.

5519 Advanced Conducting and Repertoire (Instrumental)

(A-F only;)
20600 001 LAB, 12:20-13:10 TTh, Ferguson Hall 95, In
Person Term Based; Jerry Luckhardt ; 2 cr.

5550 Student Teaching in Instrumental Music

(A-F or Audit;)
20601 001 FWK, In Person Term Based; 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)
21246 001 LEC, 16:15-17:45 T, Ferguson Hall 115, In
Person Term Based; Casey Clementson ; 2 cr.

5669 Psychology of Music

(A-F or Audit; Prereq: Psy 1001 or Psy 3604 or instr
consent)
20398 001 DIS, 16:30-19:00 M, Ferguson Hall 105, In Person
Term Based; Kayla Shafer ; 3 cr.

5803 Therapeutic Management in Music Settings

(A-F only; Prereq: [5804, 5805] or instr consent)
19269 001 LEC, 10:10-11:00 MWThF, Ferguson Hall 151, In
Person Term Based; Michael Silverman ; 4 cr.

5804 Music Therapy Methods and Procedures I

(A-F or Audit; Prereq: 5800 or instr consent)
19208 001 LEC, 09:05-09:55 MWThF, Ferguson Hall 151, In
Person Term Based; Todd Schwartzberg ; 4 cr.

5855 Music Therapy Internship

(S-N or Audit; Prereq: Music therapy major, instr
consent)
18396 001 FWK, In Person Term Based; Michael Silverman ;
1-13 cr.

Naval Science (NAV)

1000 Professional Training in Naval Science

(S-N or Audit; Prereq: enrolled in NROTC)
30117 001 LAB, 06:00-08:30 T, Armory Building 202, In
Person Term Based; Meets With: 001 NAV 4000001 NAV
3000001 NAV 2000; Austin Duke ; 1 cr.

1101 Introduction to Naval Science

(A-F or Audit;)
30113 001 LEC, 08:00-08:50 MWF, Armory Building 205, In
Person Term Based; Blake Tornnga ; 3 cr.

2000 Professional Training in Naval Science

(S-N or Audit; Prereq: Soph enrolled in NROTC)
30118 001 LAB, 06:00-08:30 T, Armory Building 202, In
Person Term Based; Meets With: 001 NAV 4000001 NAV
1000001 NAV 3000; Austin Duke ; 1 cr.

2201 Ship Systems I: Naval Engineering (A-F or Audit;)

30135 001 LEC, 17:30-20:00 Th, Armory Building 205, In
Person Term Based; Scott Chrisfield ; 3 cr.

3000 Professional Training in Naval Science

(S-N or Audit; Prereq: Jr enrolled in NROTC)
30119 001 LAB, 06:00-08:30 T, Armory Building 202, In
Person Term Based; Meets With: 001 NAV 4000001 NAV
1000001 NAV 2000; Austin Duke ; 1 cr.

3302 Navigation II: Seamanship and Ship Operations

(A-F or Audit; Prereq: 3301)
30136 001 LEC, 09:00-10:15 F, Armory Building 205,
10:00-11:15 T, Armory Building 205, In Person Term
Based; Macian Campbell ; 3 cr.

4000 Professional Training in Naval Science

(S-N or Audit; Prereq: Sr enrolled in NROTC)
30120 001 LAB, 06:00-08:30 T, Armory Building 202, In
Person Term Based; Meets With: 001 NAV 1000001 NAV
3000001 NAV 2000; Austin Duke ; 1 cr.

4401W Leadership and Management I

(A-F or Audit; WI)
30114 001 LEC, 09:15-10:30 MW, Armory Building 205, In
Person Term Based; Andrew Behlke ; 3 cr.

Neurology (NEUR)

Neuroscience (NSC)

5031W Perception

(Student Option; Prereq: Psy 3031 or Psy 3051 or instr
consentWI)
27829 001 LEC, In Person Term Based; 3 cr.

5461 Cellular and Molecular Neuroscience

(A-F or Audit; Prereq: NSc grad student or instr
consent)
27893 001 LEC, 08:50-10:00 MWF, Moos Health Sci Tower
2-118, In Person Term Based; Eric Newman ; 3 cr.

5551 Itasca Cell and Molecular Neurobiology Laboratory

(S-N or Audit; Prereq: Neuroscience grad or instr
consent)
27902 001 LAB, 00:00-00:00 , , In Person Term Based; 4 cr.

5561 Systems Neuroscience

(A-F or Audit; Prereq: NSc grad student or instr
consent)
27602 001 LEC, 10:10-11:00 MWF, Moos Health Sci Tower
5-125, In Person Term Based; Lucy Vulchanova ; 4 cr.
27688 002 LAB, 09:00-12:00 T, Room TBA, In Person Term
Based; Lucy Vulchanova ; 4 cr.

Neuroscience Department (NSCI)

1001 Fundamental Neuroscience: Understanding Ourselves

(A-F only; TS)
27891 001 LEC, 10:10-11:00 MWF, Phillips-Wangenstn Bldg
2-470, In Person Term Based; Paul Mermelstein, Robert
Meisel ; 3 cr.

2101 Human Neuroanatomy

(A-F only; BIOL)
27905 001 LEC, 13:25-14:15 MWF, Moos Health Sci Tower
2-620, In Person Term Based; Martin Wessendorf ; 4 cr.
27907 002 LAB, 10:10-12:10 M, Lab TBA, In Person Term
Based; Dezhi Liao, Martin Wessendorf ; 4 cr.
27908 003 LAB, 14:30-16:30 M, Lab TBA, In Person Term
Based; Dezhi Liao, Martin Wessendorf ; 4 cr.
27909 004 LAB, 14:30-16:30 M, Lab TBA, In Person Term
Based; Maureen Riedel, Martin Wessendorf ; 4 cr.
27910 005 LAB, 13:25-15:25 T, Lab TBA, In Person Term
Based; Wensheng Lin, Martin Wessendorf ; 4 cr.

27918 006 LAB, 10:10-12:10 W, Lab TBA, In Person Term Based; Wensheng Lin, Martin Wessendorf ; 4 cr.
 27926 007 LAB, 10:10-12:10 Th, Lab TBA, In Person Term Based; Steven McLoon, Wensheng Lin, Martin Wessendorf ; 4 cr.
 27953 008 LAB, 13:25-15:25 Th, Lab TBA, In Person Term Based; Martin Wessendorf ; 4 cr.

3101 Neurobiology I: Molecules, Cells, and Systems

(A-F or Audit; Prerequisites.)
 27706 001 LEC, 09:05-09:55 MWF, Phillips-Wangenstn Bldg 2-470, In Person Term Based; Lorene Lanier ; 3 cr.

3102W Neurobiology II: Perception and Behavior

(A-F or Audit; WI)
 28531 001 LEC, 13:25-14:15 WF, Bruininks Hall 131A, In Person Term Based; Geoff Ghose, Jocelyn Richard ; 3 cr.
 28532 002 DIS, 13:25-14:15 M, Nils Hasselmo Hall 2-101, In Person Term Based; Geoff Ghose, Jocelyn Richard ; 3 cr.
 28533 003 DIS, 14:25-15:15 M, Nils Hasselmo Hall 2-101, In Person Term Based; Geoff Ghose, Jocelyn Richard ; 3 cr.
 28666 004 DIS, 13:25-14:15 M, Moos Health Sci Tower 2-118, In Person Term Based; Geoff Ghose, Jocelyn Richard ; 3 cr.
 28667 005 DIS, 14:25-15:15 M, Moos Health Sci Tower 2-118, In Person Term Based; Geoff Ghose, Jocelyn Richard ; 3 cr.

4444 Neuroscience and Education

(A-F only ;)
 34044 001 FWK, 14:30-15:25 TTh, Weaver-Densford Hall W2120, In Person Term Based; Janet Dubinsky ; 3 cr.

4501 Neurodegenerative Diseases, Mechanisms to Therapies

(A-F only ;)
 28598 001 LEC, 10:10-11:00 MWF, Jackson Hall 2-137, In Person Term Based; Meets With: 001 NSCI 5501; Sylvain Lesne ; 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)
 27694 001 IND, 00:00-00:00 , In Person Term Based; 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)
 27695 001 IND, 00:00-00:00 , In Person Term Based; 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)
 27696 001 IND, 00:00-00:00 , In Person Term Based; 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)
 27697 001 IND, 00:00-00:00 , In Person Term Based; 1-6 cr.

5101 Neurobiology I: Molecules, Cells, and Systems

(A-F or Audit; Prerequisites.)
 27901 001 LEC, 09:05-09:55 MWF, Phillips-Wangenstn Bldg 2-350, In Person Term Based; Lorene Lanier ; 3 cr.

5501 Neurodegenerative Diseases, Mechanisms to Therapies

(A-F only ;)
 28600 001 LEC, 10:10-11:00 MWF, Jackson Hall 2-137, In Person Term Based; Meets With: 001 NSCI 4501; Sylvain Lesne ; 3 cr.

Neurosurgery (NSU)

5667 Neurobiology of Disease

(Student Option;)
 27820 001 LEC, 00:00-00:00 , In Person Term Based; 2-3 cr.

Norwegian (NOR)

1001 Beginning Norwegian

(Student Option;)
 18119 002 DIS, 17:00-18:25 MTTh, Twin Cities Remote, Completely Online; Meets With: 002 NOR 4001; Kyle Korynta ; 5 cr.
 18940 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 106, Partially Online; Meets With: 001 NOR 4001; Kyle Korynta ; 5 cr.

1003 Intermediate Norwegian

(Student Option; Prereq: 1002)
 18939 001 DIS, 13:25-14:15 MTWTh, Folwell Hall 16, Partially Online; Meets With: 001 NOR 4003; Kyle Korynta ; 5 cr.

4001 Beginning Norwegian for Graduate Research

(Student Option;)
 18376 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 106, Partially Online; Meets With: 001 NOR 1001; Kyle Korynta ; 5 cr.
 18942 002 DIS, 17:00-18:25 MTTh, Twin Cities Remote, Completely Online; Meets With: 002 NOR 1001; Kyle Korynta ; 5 cr.

4003 Intermediate Norwegian for Graduate Research

(Student Option;)
 18941 001 DIS, 13:25-14:15 MTWTh, Folwell Hall 16, Partially Online; Meets With: 001 NOR 1003; Kyle Korynta ; 5 cr.

Nursing (NURS)

1030 Nursing First Year Seminar I

(Student Option; Prereq: Freshman guarantee student, instr consent)
 28952 001 LEC, 12:20-13:10 T, Health Sciences Edu Ctr 3-150, In Person Term Based; Carol Flaten, Martha Scott Johnson ; 1 cr.

2001 Human Growth and Development: A Life Span Approach

(Student Option;)
 28955 001 LEC, Completely Online; 3 cr.
 28966 002 LEC, Completely Online; 3 cr.

2996 Health Science Practical Experience for Nursing

(Student Option No Audit;)
 34336 001 IND, Completely Online; Martha Scott Johnson ; 1 cr.

3115 Health Informatics and Information Technology

(A-F only; TS)
 28964 001 LEC, Completely Online; Lisiane Pruinelli ; 3 cr.
 28965 002 LEC, Completely Online; Lisiane Pruinelli ; 3 cr.

3703 Assessment and Beginning Interventions: Nursing Lab 1

(A-F only; Prereq: Admitted to Nurs BSN program)
 28974 001 LAB, 08:00-12:05 T, ONLINE BLENDED, 08:00-12:05 T, ONLINE BLENDED, 08:00-12:05 T, Weaver-Densford Hall 4-142, Partially Online; 2 cr.
 28978 002 LAB, 13:25-17:30 T, ONLINE BLENDED, 13:25-17:30 T, ONLINE BLENDED, 13:25-17:30 T, Weaver-Densford Hall 4-142, Partially Online; 2 cr.
 28979 003 LAB, 13:25-17:30 W, ONLINE BLENDED, 13:25-17:30 W, ONLINE BLENDED, 13:25-17:30 W, Weaver-Densford Hall 4-142, Partially Online; 2 cr.
 29037 004 LAB, 08:00-12:05 Th, ONLINE BLENDED, 08:00-12:05 Th, ONLINE BLENDED, 08:00-12:05 Th, Weaver-Densford Hall 4-142, Partially Online; 2 cr.
 29171 005 LAB, 13:25-17:30 Th, ONLINE BLENDED, 13:25-17:30 Th, ONLINE BLENDED, 13:25-17:30 Th, Weaver-Densford Hall 4-142, Partially Online; 2 cr.
 29181 008 LAB, 08:00-12:05 T, ONLINE BLENDED, 08:00-12:05 T, ONLINE BLENDED, 08:00-12:05 T, University Square Nurs Lab 392, Partially Online; Kristina Sokol, Melissa Mogen ; 2 cr.
 29203 009 LAB, 13:25-17:30 T, ONLINE BLENDED, 13:25-17:30 T, ONLINE BLENDED, 13:25-17:30 T, University Square Nurs Lab 392, Partially Online; 2 cr.
 32585 006 LAB, 13:25-17:30 F, ONLINE BLENDED, 13:25-17:30 F, ONLINE BLENDED, 13:25-17:30 F, Weaver-Densford Hall 4-142, Partially Online; 2 cr.

32599 010 LAB, 08:00-12:05 Th, ONLINE BLENDED, 08:00-12:05 Th, ONLINE BLENDED, 08:00-12:05 Th, University Square Nurs Lab 392, Partially Online; Melissa Mogen ; 2 cr.

3710 Statistics for Clinical Practice and Research

(Student Option; Prereq: [High school algebra or instr consent], students enrolled in School of Nursing must take A/F optionMATH)
 29006 001 LEC, 12:20-14:15 F, Health Sciences Edu Ctr 3-110, In Person Term Based; Mary Hearst ; 3 cr.
 29007 002 LEC, 12:20-14:15 F, University Square ITV Room 397, In Person Term Based; Kasey Boehmer ; 3 cr.

3801 Patient Centered Care of Adults and Older Adults I

(A-F only; Prereq: Admitted to Nurs BSN program)
 28975 001 LEC, 13:25-16:25 Th, Health Sciences Edu Ctr 2-132, In Person Term Based; Sasha Skendzel, Andrea Lehnertz ; 3 cr.
 29047 002 LEC, 13:25-16:25 Th, University Square ITV Room 397, In Person Term Based; Sasha Skendzel, Andrea Lehnertz ; 3 cr.

3802 Patient Centered Care: Nursing Care of Families I

(A-F only; Prereq: Enrolled in School of Nursing)
 28976 001 LEC, 09:05-12:05 Th, Health Sciences Edu Ctr 2-132, In Person Term Based; Samantha Sommersness, Cassandra Narr ; 3 cr.
 32587 002 LEC, 09:05-12:05 Th, University Square ITV Room 397, In Person Term Based; Samantha Sommersness, Cassandra Narr ; 3 cr.

3806 Nurse as Professional

(A-F or Audit; Prereq: Admitted to nursing BSN program)
 28977 001 LEC, 13:25-15:20 T, Health Sciences Edu Ctr 2-110, In Person Term Based; Laura Kirk ; 2 cr.
 28980 002 LEC, 12:20-14:15 W, Health Sciences Edu Ctr 2-132, In Person Term Based; Donna Eull ; 2 cr.
 29122 003 LEC, 14:30-16:25 W, Health Sciences Edu Ctr 2-132, In Person Term Based; Christie Martin ; 2 cr.
 29173 005 LEC, 14:30-16:25 W, University Square ITV Room 415, In Person Term Based; Cassandra Narr ; 2 cr.

4104 Ethical Sensitivity and Reasoning in Health Care

(A-F only; CIV)
 28945 001 LEC, 10:10-12:05 Th, Health Sciences Edu Ctr 7-152, In Person Term Based; Dorcas Kunkel ; 2 cr.
 28948 002 LEC, 10:10-12:05 Th, University Square ITV Room 322, In Person Term Based; Dorcas Kunkel ; 2 cr.

4106 Nurse as Collaborator

(A-F only; Prereq: Enrolled in nursing program)
 29035 001 LEC, 13:25-15:20 Th, Phillips-Wangensteen 3154/3156, 13:25-15:20 Th, Phillips-Wangensteen 3154/3156, 13:25-15:20 Th, Phillips-Wangensteen 3154/3156, In Person Term Based; Nasra Giama ; 1 cr.
 29036 002 LEC, 13:25-15:20 Th, Phillips-Wangensteen 3154/3156, 13:25-15:20 Th, Phillips-Wangensteen 3154/3156, 13:25-15:20 Th, Phillips-Wangensteen 3154/3156, In Person Term Based; Nasra Giama ; 1 cr.
 29182 003 LEC, 10:10-12:05 M, University Square ITV Room 322, 10:10-12:05 M, University Square ITV Room 322, 10:10-12:05 M, University Square ITV Room 322, In Person Term Based; Nasra Giama ; 1 cr.

4301 Person Centered Care of Adults and Older Adults II

(A-F only; Prereq: 3801, 3802, 3703, 3705, enrolled in School of Nursing)
 28992 001 LEC, 08:00-11:00 F, Health Sciences Edu Ctr 2-132, 11:10-12:00 F, Phillips-Wangensteen 3154/3156, 11:10-12:00 F, Health Sciences Edu Ctr 2-132, 11:10-12:00 F, Health Sciences Edu Ctr 2-132, In Person Term Based; Mary Steffes ; 4 cr.
 28996 002 LEC, 08:00-11:00 F, University Square ITV Room 322, In Person Term Based; 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)
 28994 001 FWK, 07:00-15:30 T, No Room Required, 07:00-15:30 T, No Room Required, In Person Term Based; Mary Steffes ; 3 cr.
 28997 002 FWK, 07:00-15:30 T, No Room Required, 07:00-15:30 T, No Room Required, In Person Term Based; Mary Steffes ; 3 cr.

28998 003 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person Term Based; 3 cr.

28999 004 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person Term Based; 3 cr.

29000 005 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person Term Based; 3 cr.

29130 010 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person Term Based; Abbie Fordahl, Jessica Bernau ; 3 cr.

29174 008 FWK, 07:00-15:30 T, No Room Required, 12:20-20:00 T, No Room Required, In Person Term Based; Michele Baier, Fadila Dedic ; 3 cr.

29175 009 FWK, 12:20-20:00 T, No Room Required, 07:00-15:30 T, No Room Required, In Person Term Based; Fadila Dedic, Elaine Darst ; 3 cr.

29184 006 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person Term Based; 3 cr.

29185 011 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person Term Based; Jessica Bernau, Abbie Fordahl ; 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)

28995 001 FWK, 14:30-22:30 T, No Room Required, 07:00-15:30 T, No Room Required, In Person Term Based; Eunice Areba ; 3 cr.

29001 002 FWK, 07:00-15:30 T, No Room Required, 14:30-22:30 T, No Room Required, In Person Term Based; Eunice Areba ; 3 cr.

29002 003 FWK, 07:00-15:00 T, No Room Required, 07:00-15:30 T, No Room Required, In Person Term Based; Arielle Skalisky ; 3 cr.

29003 004 FWK, 07:00-15:30 T, No Room Required, 07:00-15:30 T, No Room Required, In Person Term Based; Arielle Skalisky ; 3 cr.

29004 005 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person Term Based; Camille Brown ; 3 cr.

29005 006 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 W, No Room Required, In Person Term Based; Camille Brown ; 3 cr.

29123 008 FWK, 07:00-15:30 W, No Room Required, 07:00-15:30 M, No Room Required, In Person Term Based; 3 cr.

29186 007 FWK, 07:00-15:30 M, No Room Required, 07:00-15:30 W, No Room Required, In Person Term Based; 3 cr.

4312 Patient Centered Care: Nursing Care of Families II

(A-F only; Prereq: 3802, enrolled nursing student)

28993 001 LEC, 08:00-12:05 F, Phillips-Wangensteen 3150/3152, In Person Term Based; Samantha Sommerness, Donna Eull ; 4 cr.

4321 Public Health Nursing

(A-F or Audit; Prereq: jr nursing student)

29034 001 LEC, 08:00-09:55 Th, Health Sciences Edu Ctr 7-152, In Person Term Based; Melissa Horning ; 2 cr.

4402 Taking Ethical Action in Health Care

(A-F only; Prereq: Senior undergrad nursing student, [4104 or instr consent]CIV)

29041 001 LEC, 08:00-09:55 M, Health Sciences Edu Ctr 3-110, In Person Term Based; Dorcas Kunkel ; 1 cr.

29042 002 LEC, 08:00-09:55 M, University Square ITV Room 322, In Person Term Based; Dorcas Kunkel ; 1 cr.

4404V Honors: Applied Research and Research Utilization

(A-F only; Prereq: Honors student in School of Nursing, Nurs 4205V, upper division statistics courseWI)

28947 001 LEC, 10:10-13:10 T, Weaver-Densford Hall W2-110, 10:10-13:10 T, Weaver-Densford Hall W2-110, 10:10-13:10 T, Weaver-Densford Hall W2-110, 10:10-13:10 T, Weaver-Densford Hall W2-110, 10:10-13:10 T, Weaver-Densford Hall W2-110, 10:10-13:10 T, Weaver-Densford Hall W2-110, 10:10-13:10 T, Weaver-Densford Hall W2-110, In Person Term Based; Anne McKechnie ; 3 cr.

4435 Immunization Tour

(S-N or Audit; Prereq: [Senior Bachelor of Science nursing student or professional master's nursing student], completion of CPR)

28954 001 FWK, 12:20-13:10 M, Moos Health Sci Tower 1-450, 12:20-13:10 M, Moos Health Sci Tower 1-450, 17:30-21:00 M, Health Sciences Edu Ctr 2-110,

12:20-13:10 M, Moos Health Sci Tower 1-450, 12:20-13:10 M, Moos Health Sci Tower 1-450, In Person Term Based; Meets With: 001 PHAR 6970; Ann Philbrick, Olof Indridadottir, Erin Galegher ; 1 cr.

4701 Nursing Care Across the Lifespan I

(A-F only;)

29176 001 LEC, 10:10-12:05 M, Health Sciences Edu Ctr 3-110, In Person Term Based; Mary Steffes, Jennifer Elmer, Laura Kirk ; 3 cr.

29177 002 LEC, 10:10-12:05 M, University Square ITV Room 397, In Person Term Based; Mary Steffes, Jennifer Elmer, Laura Kirk ; 3 cr.

4703 Nursing Care Across the Lifespan Practicum I

(A-F only; Prereq: Nursing student in School of Nursing)

29039 001 FWK, 07:00-15:30 W, No Room Required, In Person Term Based; 2 cr.

29106 002 FWK, 07:00-15:30 W, No Room Required, In Person Term Based; 2 cr.

29107 003 FWK, 07:00-15:30 W, No Room Required, In Person Term Based; Erin Breen ; 2 cr.

29108 004 FWK, 07:00-15:30 Th, No Room Required, In Person Term Based; 2 cr.

29109 005 FWK, 07:00-15:30 F, No Room Required, In Person Term Based; 2 cr.

29110 006 FWK, 07:00-15:30 F, No Room Required, In Person Term Based; 2 cr.

29111 007 FWK, 07:00-15:30 F, No Room Required, In Person Term Based; 2 cr.

29112 008 FWK, 13:25-15:20 T, Moos Health Sci Tower 1-430, In Person Term Based; Mary Goering ; 2 cr.

29128 013 FWK, 07:00-15:30 W, No Room Required, In Person Term Based; 2 cr.

29170 012 FWK, 07:00-15:30 W, No Room Required, In Person Term Based; Haley Olerich ; 2 cr.

29188 014 FWK, 07:00-15:30 Th, No Room Required, In Person Term Based; Michelle Yankowiak ; 2 cr.

29205 009 FWK, 13:25-15:20 T, Moos Health Sci Tower 2-118, In Person Term Based; 2 cr.

29206 010 FWK, 13:25-15:20 T, Moos Health Sci Tower 2-520, In Person Term Based; Erin Galegher ; 2 cr.

33307 015 FWK, 11:30-20:00 F, No Room Required, In Person Term Based; 2 cr.

4704 Continuum of Care Practicum

(A-F only; Prereq: Nursing Student in School of Nursing)

29113 001 LEC, 08:00-08:50 T, , 08:00-09:55 T, , 08:00-08:50 T, , In Person Term Based; Elaine Darst ; 2 cr.

29114 002 FWK, 09:05-09:55 T, Phillips-Wangenstn Bldg 3-154, In Person Term Based; Elaine Darst ; 2 cr.

29157 003 FWK, 09:05-09:55 T, Phillips-Wangenstn Bldg 3-152, In Person Term Based; Mary Goering ; 2 cr.

29158 004 FWK, 09:05-09:55 T, Health Sciences Ed Ctr 2-101AB, In Person Term Based; Jiwoo Lee ; 2 cr.

29159 008 FWK, 13:25-14:20 T, University Square ITV Room 397, 09:05-09:55 T, University Square ITV Room 397, In Person Term Based; Linnea Benike ; 2 cr.

29169 007 LEC, 08:00-08:50 T, University Square ITV Room 397, In Person Term Based; Elaine Darst ; 2 cr.

29204 005 FWK, 09:05-09:55 T, Phillips-Wangenstn Bldg 3-150, In Person Term Based; Erin Galegher ; 2 cr.

4706 Transition to Practice

(A-F or Audit; Prereq: Sr in BSN program)

29040 001 LEC, 08:00-09:55 M, Health Sciences Edu Ctr 3-110, Primarily Online; Christine Mueller ; 1 cr.

29043 002 LEC, 13:25-15:20 M, University Square ITV Room 397, Primarily Online; Christine Mueller ; 1 cr.

4777V Senior Project in the Nursing Major

(A-F only; Prereq: 4205W or 4205VWI)

29038 001 LEC, 10:10-13:10 T, Health Sciences Edu Ctr 2-132, In Person Term Based; Donna Eull ; 3 cr.

29048 002 LEC, 10:10-13:10 T, Phillips-Wangenstn Bldg 3-154, In Person Term Based; Mary Whipple ; 3 cr.

29049 003 LEC, 10:10-13:10 T, Health Sciences Edu Ctr 7-152, In Person Term Based; Ryan Mays ; 3 cr.

29129 005 LEC, 10:10-13:10 T, University Square ITV Room 397, In Person Term Based; Kasey Boehmer ; 3 cr.

5029 Introduction to Nursing Interventions

(A-F only;)

29015 001 LAB, 08:00-12:05 F, Weaver-Densford Hall 4-142, In Person Term Based; 3 cr.

29016 002 LAB, 08:00-12:05 M, Weaver-Densford Hall 4-142, In Person Term Based; 3 cr.

29017 003 LAB, 12:20-16:25 M, Weaver-Densford Hall 4-142, In Person Term Based; 3 cr.

5030 Foundational Concepts of Professional Nursing

(A-F or Audit; Prereq: Admission to master's in nursing program)

28949 001 LEC, 08:00-11:00 W, Health Sciences Edu Ctr 2-132, In Person Term Based; Laura Kirk, Erica Schorr ; 3 cr.

5034 Transition to Professional Nursing Practice

(A-F or Audit; Prereq: Nurs 5033, Nurs 6200)

28950 001 LEC, 09:05-12:05 T, Moos Health Sci Tower 2-520, In Person Term Based; Stephanie Gingerich ; 3 cr.

5035 Practicum Nursing Care for Complex Health Conditions

(A-F or Audit; Prereq: Nursing postbaccalaureate certificate program or master of nursing program)

28951 001 LEC, 09:05-12:05 T, Moos Health Sci Tower 2-520, In Person Term Based; Erica Schorr ; 4 cr.

28957 002 FWK, 12:20-14:15 T, Phillips-Wangenstn Bldg 3-156, In Person Term Based; Erica Schorr ; 4 cr.

28970 003 FWK, 12:20-14:15 T, Moos Health Sci Tower 2-116, In Person Term Based; Olof Indridadottir ; 4 cr.

29163 004 FWK, 12:20-14:15 T, Phillips-Wangenstn Bldg 2-366, In Person Term Based; 4 cr.

32586 005 FWK, 12:20-14:15 T, Phillips-Wangenstn Bldg 2-364, In Person Term Based; 4 cr.

5115 Interprofessional Health Care Informatics

(A-F or Audit;)

28958 001 LEC, Completely Online; Chih-Lin Chi, Christie Martin ; 3 cr.

5190 Essentials of Holistic Health

Assessment and Foundational Clinical

(A-F only; Prereq: Admission to MN Program)

28972 002 LAB, 10:00-11:55 T, No Room Required, 07:00-15:30 Th, No Room Required, In Person Term Based; Sasha Skendzel, Olof Indridadottir ; 3 cr.

28973 003 LAB, 10:00-11:55 T, No Room Required, 07:00-15:30 Th, No Room Required, In Person Term Based; Sasha Skendzel ; 3 cr.

29008 004 LAB, 10:00-11:55 T, No Room Required, 07:00-15:30 Th, No Room Required, In Person Term Based; Sasha Skendzel ; 3 cr.

29207 001 FWK, 08:00-09:55 T, Health Sciences Edu Ctr 2-132, 08:00-09:55 T, Moos Health Sci Tower 2-530, 08:00-09:55 T, Health Sciences Edu Ctr 2-132, In Person Term Based; Sasha Skendzel ; 3 cr.

29208 005 LAB, 12:20-14:15 W, No Room Required, 07:00-15:30 Th, No Room Required, In Person Term Based; Sasha Skendzel, Olof Indridadottir ; 3 cr.

29209 006 LAB, 12:20-14:15 W, No Room Required, 14:30-22:30 Th, No Room Required, In Person Term Based; Sasha Skendzel ; 3 cr.

29210 007 LAB, 12:20-14:15 W, No Room Required, 07:00-15:30 F, No Room Required, In Person Term Based; Sasha Skendzel ; 3 cr.

29211 008 LAB, 14:30-16:25 W, No Room Required, 07:00-15:30 F, No Room Required, In Person Term Based; Sasha Skendzel, Olof Indridadottir ; 3 cr.

29212 009 LAB, 14:30-16:25 W, No Room Required, 07:00-15:30 F, No Room Required, In Person Term Based; Sasha Skendzel ; 3 cr.

29214 010 LAB, 14:30-16:25 W, No Room Required, 07:00-15:30 F, No Room Required, In Person Term Based; Sasha Skendzel, Olof Indridadottir ; 3 cr.

5220 Pharmacotherapeutics for Nurse Anesthesia I

(A-F only;)

32605 001 LEC, 13:00-15:00 Th, Weaver-Densford Hall 6-108, 13:00-15:00 Th, Weaver-Densford Hall 4-130, 13:00-15:00 Th, Weaver-Densford Hall 4-130, 13:00-15:00 Th, Weaver-Densford Hall 4-130, 12:00-15:00 Th, Weaver-Densford Hall 4-130, 13:00-15:00 Th, Weaver-Densford Hall 4-130, 12:00-15:00 Th, Weaver-Densford Hall 4-130, 13:00-15:00 Th, Weaver-Densford Hall 4-130, 13:00-15:00 Th, Weaver-Densford Hall 4-130, 09:00-12:00 T, Weaver-Densford Hall 4-130, 10:00-12:00 T, Weaver-Densford Hall 4-130, In Person Term Based; Megan Kakela ; 2 cr.

5222 Advanced Human Physiology

(A-F or Audit;)

28943 001 LEC, 14:30-16:25 T, Twin Cities Remote, Completely Online; Dereck Salisbury ; 2 cr.

28944 002 LEC, 11:15-13:10 T, Weaver-Densford Hall 4-130, In Person Term Based; Dereck Salisbury ; 2 cr.

29131 003 LEC, 12:20-14:15 F, Health Sciences Edu Ctr 2-138, In Person Term Based; Dereck Salisbury ; 2 cr.

29178 004 LEC, 14:30-16:25 F, Health Sciences Edu Ctr 2-138, In Person Term Based; Dereck Salisbury ; 2 cr.

5228 Pharmacology for Advanced Practice Nursing**(A-F or Audit; Prereq: Grad nursing student or instr consent)**

28953 001 LEC, 10:10-12:05 F, Health Sciences Edu Ctr 7-150, In Person Term Based; Sarah Brumberg, Natya Stroud ; 2 cr.

5241 Nursing Leadership for Effective Practice**(A-F or Audit; Prereq: Final sem of MN Program)**

28962 001 LEC, 09:05-12:05 T, Moos Health Sci Tower 2-520, In Person Term Based; Stephanie Gingerich ; 2 cr.

5611 Database Principles for Healthcare**(A-F only; Prerequisites: Graduate student or instructor consent)**

29219 001 LEC, Completely Online; Martin Michalowski ; 2 cr.

5726 Sexual Assault Nurse Examiner (SANE) Trauma-Informed Care Clinical Experience**(Student Option;)**

34434 001 FWK, In Person Term Based; Ellen Frerich, Carolyn Porta, Sarah Hoffman ; 1-2 cr.

Nutrition (NUTR)**5625 Nutritional Biochemistry****(Student Option; Prereq: BIOC 3021 or instr consent)**

22442 001 LEC, 16:00-17:15 TTh, Haecker Hall 205, In Person Term Based; Meets With: 001 ANSC 5625; 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.)**

22854 001 IND, In Person Term Based; 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.)**

22887 001 IND, In Person Term Based; 1-4 cr.

Occupational Therapy (OT)**1003 Introduction to Occupational Therapy****(Student Option;)**

30228 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Cindy Jacobs ; 1 cr.

Off-Campus Study (OCS)**Office of Undergrad Education (OUE)****1001 Mastering Skills for College Success****(Student Option;)**16373 001 LEC, 10:10-12:05 M, Armory Building 202, In Person Term Based; Andrew Fiegen ; 2 cr.
16374 002 LEC, 12:45-14:40 T, Moos Health Sci Tower 2-565, In Person Term Based; Enet Mukurazita ; 2 cr.
16375 003 LEC, 13:25-15:20 W, Bruininks Hall 432, In Person Term Based; Pang Yang ; 2 cr.
16376 004 LEC, 00:00-00:00 , ONLINE, Completely Online; Nisma Elias ; 2 cr.
16377 005 LEC, 00:00-00:00 , ONLINE, Completely Online; Nisma Elias ; 2 cr.
17746 006 LEC, Completely Online; Julio Vega Cedeno ; 2 cr.
17747 007 LEC, 09:05-11:00 W, Peik Hall 28, In Person Term Based; Andrew Fiegen ; 2 cr.**1086 The First Year Experience: Fall****(A-F only; Prereq: 1st-yr student athletes)**30151 001 LEC, 19:00-20:15 M, Bierman Field Athl Bldg 624, In Person Term Based; Zhuldyz Amankulova ; 2 cr.
30152 002 DIS, 08:15-09:30 T, Bierman Field Athl Bldg 624, In Person Term Based; Zhuldyz Amankulova ; 2 cr.
30153 003 DIS, 09:45-11:00 T, Bierman Field Athl Bldg 624, In Person Term Based; Zhuldyz Amankulova ; 2 cr.
30154 006 DIS, 19:00-20:15 W, Bierman Field Athl Bldg 624, In Person Term Based; Zhuldyz Amankulova ; 2 cr.**1101 Academic Refresher****(S-N or Audit; Prereq: instr consent)**

16466 001 LEC, 09:05-11:00 M, Bruininks Hall 123, In Person Term Based; Jenny Steiner ; 1 cr.

1102 Academic Success**(S-N only;)**16790 001 LEC, 13:25-14:15 M, Vincent Hall 1, In Person Term Based; Enet Mukurazita ; 2 cr.
16792 003 LEC, 10:10-11:00 T, Twin Cities Remote, Completely Online; Julio Vega Cedeno ; 2 cr.
17425 004 LEC, 13:25-14:15 T, Folwell Hall 118, In Person Term Based; Andrew Fiegen ; 2 cr.**2001 Academic Planning and Exploration****(A-F only;)**30150 001 IND, 15:35-17:30 W, Bruininks Hall 518, 15:35-17:30 W, Bruininks Hall 518, Primarily Online; Jeff Olsen Krenkel ; 1 cr.
30160 006 IND, 10:10-12:05 F, Bruininks Hall 518, 10:10-12:05 F, Bruininks Hall 518, Primarily Online; Wendy Nicholson-Kotas ; 1 cr.
30184 002 IND, 10:10-12:05 F, Bruininks Hall 518, 10:10-12:05 F, Bruininks Hall 518, Primarily Online; Susan LeBlanc ; 1 cr.
30185 003 IND, 12:20-14:15 F, Bruininks Hall 518, 12:20-14:15 F, Bruininks Hall 518, Primarily Online; Amanda Niskode-Dossett ; 1 cr.
30187 007 IND, 12:20-14:15 F, Bruininks Hall 518, 12:20-14:15 F, Bruininks Hall 518, Partially Online; Hannah Boldt ; 1 cr.
30193 008 IND, 15:35-17:30 W, Bruininks Hall 518, 15:35-17:30 W, Bruininks Hall 518, Primarily Online; Lisa Clark ; 1 cr.
30212 009 IND, 15:35-17:30 Th, Bruininks Hall 518, 15:35-17:30 Th, Bruininks Hall 518, Primarily Online; 1 cr.**3205 Law School Exploration****(Student Option;)**

21416 001 LEC, Completely Online; Erin Reichelt ; 2 cr.

Ojibwe (OJIB)**1101 Beginning Ojibwe I****(Student Option;)**19195 001 LEC, 15:35-16:25 MTWThF, Folwell Hall 120, In Person Term Based; Meets With: 001 OJIB 4101; Zoe Brown ; 5 cr.
21166 301 LEC, 15:35-16:25 MTWThF, Twin Cities Remote, Completely Online; Zoe Brown ; 5 cr.**3103 Intermediate Ojibwe I****(Student Option; Prereq: 1101, 1102)**19196 001 LEC, 14:30-15:20 MTWThF, Folwell Hall 120, In Person Term Based; Meets With: 001 OJIB 4103; Zoe Brown ; 5 cr.
21167 301 LEC, 14:30-15:20 MTWThF, Twin Cities Remote, Completely Online; Zoe Brown ; 5 cr.**4101 Beginning Ojibwe I****(Student Option; Prereq: community member, see department for permission to enroll.)**20514 001 LEC, 15:35-16:25 MTWThF, Folwell Hall 120, In Person Term Based; Meets With: 001 OJIB 1101; Zoe Brown ; 3 cr.
21334 301 LEC, 15:35-16:25 MTWThF, Twin Cities Remote, Completely Online; Zoe Brown ; 3 cr.**4103 Intermediate Ojibwe I****(Student Option; Prereq: 1101, 3103, community member, see department for permission to enroll.)**20515 001 LEC, 14:30-15:20 MTWThF, Folwell Hall 120, In Person Term Based; Meets With: 001 OJIB 3103; Zoe Brown ; 3 cr.
21555 301 LEC, 14:30-15:20 MTWThF, Twin Cities Remote, Completely Online; Zoe Brown ; 3 cr.**5106 Advanced Ojibwe Language I****(A-F or Audit;)**19164 001 LEC, 14:30-15:20 MWF, Folwell Hall 4, In Person Term Based; Brendan Kishketon ; 3 cr.
21993 301 LEC, 14:30-15:20 MWF, Twin Cities Remote, Completely Online; Brendan Kishketon ; 3 cr.**5202 Ojibwe Mastery I****(A-F or Audit;)**20286 001 LEC, 15:35-16:25 MWF, Folwell Hall 4, In Person Term Based; Brendan Kishketon ; 3 cr.
21994 301 LEC, 15:35-16:25 MWF, Twin Cities Remote, Completely Online; Brendan Kishketon ; 3 cr.**5250 Ojibwe Conversations 1****(A-F or Audit;)**21172 001 DIS, 13:25-14:15 MWF, Appleby Hall 103, In Person Term Based; Brendan Kishketon ; 3 cr.
21995 301 DIS, 13:25-14:15 MWF, Twin Cities Remote, Completely Online; Brendan Kishketon ; 3 cr.**Ophthalmology (OPH)****5301 Orthoptics II****(S-N or Audit;)**

28662 001 FWK, In Person Term Based; 5 cr.

5601 Orthoptics V**(S-N only; Prereq: Enrollment in Orthoptics Certificate program)**

27961 001 FWK, In Person Term Based; Lori Van Der Merwe ; 5 cr.

Oral Biology (OBIO)**5001 Methods in Research and Writing****(Student Option;)**

23504 001 LEC, 15:30-17:00 Th, Moos Health Sci Tower 2-520, In Person Term Based; Julie Olson ; 2 cr.

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.)**

23516 001 FWK, 00:00-00:00 , In Person Term Based; Robert Nadeau ; 0-6 cr.

5276 Medicine Rotation for the Oral and Maxillofacial Surgeon**(S-N only; Prereq: Participation in oral and maxillofacial surgery training program.)**

23515 001 FWK, 06:30-07:30 TWThFSa, No Room Required, In Person Term Based; 0-6 cr.

Org Leadership, Policy & Dev (OLPD)**1303 Leadership in the Organizational Context****(A-F only;)**17549 001 LEC, 16:40-19:20 W, Appleby Hall 226, In Person Term Based; Regina Seabrook ; 3 cr.
17550 002 LEC, 11:15-12:30 TTh, Appleby Hall 102, In Person Term Based; Amie Bergersen ; 3 cr.
17551 003 LEC, 11:15-12:30 MW, Appleby Hall 102, In Person Term Based; Tania Mitchell ; 3 cr.
17552 004 LEC, Completely Online; Amie Bergersen ; 3 cr.
17553 005 LEC, 14:30-15:45 TTh, Vincent Hall 213, In Person Term Based; Liz Hwang ; 3 cr.**1461 Presentations in Work Settings: Business & Marketing Education and Human Resource Development****(A-F or Audit; CIV)**17265 001 LEC, 09:45-11:00 MW, Appleby Hall 223, In Person Term Based; Heather Dorsey ; 3 cr.
17266 002 LEC, 14:30-15:45 MW, Appleby Hall 223, In Person Term Based; Heather Dorsey ; 3 cr.
17554 003 LEC, 09:45-11:00 TTh, Bruininks Hall 420A, In Person Term Based; Heather Dorsey ; 3 cr.**2811 Societies of the Future: Changing Work Contexts****(A-F or Audit; TS)**16227 001 DIS, 09:45-11:00 MW, Appleby Hall 11, In Person Term Based; Gary Peter ; 3 cr.
16228 002 DIS, 11:15-12:30 MW, Bruininks Hall 131A, In Person Term Based; Gary Peter ; 3 cr.
17237 003 DIS, 09:45-11:00 TTh, Bruininks Hall 420B, In Person Term Based; Meg Fitzgerald-Sisk ; 3 cr.**2811H Societies of the Future: Changing Work Contexts, Honors****(A-F only; Prereq: Honors student(TS))**

17485 001 DIS, 09:45-11:00 TTh, Bruininks Hall 420B, In Person Term Based; Meg Fitzgerald-Sisk ; 3 cr.

16:55-20:55 Th, Folwell Hall 32, In Person Term Based; Rebecca Allen, Chad Schmidt ; 4 cr.

5377 Leadership in Community Education Finance and Law

(Student Option; Prereqs: OLPD 5385, OLPD 5386)
17755 001 LEC, 16:45-20:55 Th, Bruininks Hall 131B, 16:45-20:55 Th, Bruininks Hall 131B, 16:45-20:55 Th, Bruininks Hall 131B, In Person Term Based; Shawn Hoffman-Bram, Gary Prest ; 1 cr.

5384 Special Education Law for Leaders (Student Option; Prereq: Grad students working on K-12 Administrative Licensure and/or Master in Education (Leadership in Education))

16215 001 LEC, 17:00-20:10 Th, Appleby Hall 3, 17:00-20:10 Th, Appleby Hall 3, 17:00-20:10 Th, Appleby Hall 3, In Person Term Based; Bonnie Johnson ; 1 cr.

5385 Licensure Seminar: Program Policies and Inclusionary Leadership (S-N or Audit;)

16212 001 LEC, 16:45-20:55 W, Pillsbury Hall 314, 16:45-20:55 W, Pillsbury Hall 314, 16:45-20:55 W, Pillsbury Hall 314, In Person Term Based; Willie Jett ; 1 cr.

5386 Leadership Portfolio Seminar

(S-N or Audit; Prereq: OLPD 5385 or concurrent registration is required.)

16213 001 LEC, 16:45-20:55 W, Pillsbury Hall 314, 16:45-20:55 W, Pillsbury Hall 314, 16:45-20:55 W, Pillsbury Hall 314, In Person Term Based; Willie Jett ; 1 cr.

5388 Leadership for Master(ful) Scheduling (Student Option; Prereqs: OLPD 5385 Licensure Seminar: Program Policies and Inclusionary Leadership or concurrent registration and OLPD 5386 Leadership Portfolio or concurrent registration.)

17703 001 LEC, 16:55-20:55 Th, Bruininks Hall 131B, 16:55-20:55 Th, Bruininks Hall 131B, 16:55-20:55 Th, Bruininks Hall 131B, 16:55-20:55 Th, Bruininks Hall 131B, 16:55-20:55 Th, Bruininks Hall 131B, In Person Term Based; Kathryn Hinton ; 2 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.)

16204 001 FWK, 16:45-20:55 W, Pillsbury Hall 314, 16:45-20:55 W, Pillsbury Hall 314, 16:45-20:55 W, Pillsbury Hall 314, 16:45-20:55 W, Pillsbury Hall 314, In Person Term Based; Christine Sonenblum, Willie Jett ; 3 cr.
17181 002 FWK, Independent/Directed Study; Gary Prest ; 3 cr.

5501 Principles and Methods of Evaluation (Student Option;)

16202 001 LEC, 16:40-19:20 M, Peik Hall 28, In Person Term Based; Meets With: 001 EPSY 5243; John LaVelle ; 3 cr.
17187 002 LEC, Completely Online; Meets With: 002 EPSY 5243; Stuart Yeh ; 3 cr.

5502 Comparative evaluation theory for practice (A-F only;)

16972 001 LEC, Completely Online; Stuart Yeh ; 3 cr.

5607 Organization Development

(A-F or Audit; Prereq: Grad student only)

17762 003 LEC, 17:00-19:30 M, Wulling Hall 240, In Person Term Based; Alexandre Ardichvili ; 3 cr.

5615 Training and Development of Human Resources

(A-F or Audit; Prereq: Grad student only)

17143 001 LEC, 16:40-19:20 M, Appleby Hall 204, In Person Term Based; David Christesen ; 3 cr.

5616 Instructional Design for e-Learning (Student Option; Prereq: Grad student only)

17571 001 IND, Completely Online; Sehoon Kim ; 3 cr.

5619 Planning and Decision-Making Skills (Student Option;)

32631 001 DIS, 09:00-15:00 Sa, Bruininks Hall 420B, 09:00-15:00 Sa, Bruininks Hall 420B, In Person Term Based; Lisa Wocken ; 1 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], undergrad] or [[5607 or 5615 or HRD 5201 or HRD 5301], [5801 or WHRE 5001], grad student]], instr consent)

16221 001 FWK, Independent/Directed Study; David Christesen ; 1-10 cr.

5701 U.S. Higher Education

(Student Option;)

16201 001 LEC, 16:40-19:20 T, Bruininks Hall 420B, In Person Term Based; Karen Miksch ; 3 cr.

5712 College Student Development Theory and Practice

(A-F only;)

17241 001 LEC, 16:40-19:20 M, Bruininks Hall 131A, In Person Term Based; Tania Mitchell ; 3 cr.

5736 Public Engagement and Higher Education (A-F only;)

32543 001 DIS, 16:40-19:20 M, Folwell Hall 6, In Person Term Based; Andrew Furco ; 3 cr.

5801 Survey: Human Resource Development and Adult Education

(Student Option; Prereq: Grad student only)

16936 001 LEC, 17:00-19:00 W, ONLINE BLENDED, 17:00-19:00 W, Appleby Hall 303, Partially Online; Stephanie Sisco ; 3 cr.

5819 Evaluating and Using Research in Organizations and Education

(A-F or Audit; Prereq: Grad student)

17572 001 LEC, Completely Online; Nicole Dillard ; 3 cr.

5893 Directed Study in OLPD

(Student Option;)

17533 001 IND, Independent/Directed Study; 1-4 cr.

Otolaryngology (OTOL)

5993 Directed Studies

(Student Option; Prereq: instr consent)

27561 001 IND, 00:00-00:00 , , In Person Term Based; 1-12 cr.

Pharmacology (PHCL)

2001 Basic Principles of Pharmacology: A Drug's Fantastic Voyage

(Student Option; Prereq: First-year chemistry Keywords: Pharmacology, Drug, Introduction, Pharmacogenetics, Addiction, Toxicity)

27925 001 LEC, 13:25-14:15 MW, Moos Health Sci Tower 5-125, In Person Term Based; Gregory Connell ; 2 cr.

4001 Mechanisms of Drug Action

(Student Option; Prereq: Upper div or instr consent; [prev or concurrent] courses in [biology, biochemistry] recommended)

27777 001 LEC, 09:05-09:55 TTh, Moos Health Sci Tower 2-580, In Person Term Based; Gregory Connell ; 2 cr.

4010 Current Research Topics in Pharmacology

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

27892 001 DIS, 12:20-14:15 F, Room TBA, In Person Term Based; Hiroshi Hiasa ; 2 cr.

4020 Chemotherapy: from current anticancer drugs to future cancer therapeutics

(A-F only; Prereq: College-level biology: PHCL 2001 and/or PHCL3100, GCD4151 recommended.)

27962 001 LEC, 14:30-16:25 W, Jackson Hall 2-137, 14:30-15:20 M, Jackson Hall 2-137, In Person Term Based; Hiroshi Hiasa, Cheuk Leung ; 3 cr.

4343 Pharmacology of the Synapse

(A-F only;)

28013 001 LEC, 16:40-17:30 M, Moos Health Sci Tower 1-450, In Person Term Based; Anna Lee ; 3 cr.

4993 Directed Studies

(S-N only; Prereq: instr consent, dept consent)

27896 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)

27897 001 IND, 00:00-00:00 , , Independent/Directed Study; Hiroshi Hiasa ; 1-3 cr.

5108 Introduction to Laboratory Research

(A-F only;)

28633 001 LAB, 14:00-16:00 Th, Jackson Hall 3-165, 13:00-15:00 T, Jackson Hall 3-165, In Person Term Based; Ezekiel Marron Fernandez de Velasco ; 4 cr.

5110 Introduction to Pharmacology

(A-F or Audit; Prerequisites: student in the Graduate Program in Pharmacology or approval from the Course Director(s) Keywords: Introduction, Pharmacology, Molecular, Drug, Pharmacokinetics, Pharmacodynamics, Protein, Pharmacokinetics)

27419 001 LEC, 15:30-17:30 MW, Weaver-Densford Hall W2120, In Person Term Based; Colin Campbell ; 3 cr.

5112 Foundations of Biomedical Research

(A-F only; Prerequisites: student in the Graduate Program in Pharmacology Keywords: Basic Science, Pharmacology, Personnel, Writing, Presentation, Protein, DNA, Molecule, Microscope, Bioinformatics, Drug)

27894 001 LEC, 11:15-12:05 MW, Moos Health Sci Tower 2-580, In Person Term Based; Nicholas Levinson ; 1-2 cr.

Pharmacy (PHAR)

1001 Orientation to Pharmacy

(Student Option;)

29258 001 IND, Completely Online; Kristyn Williamson ; 2 cr.

1002 Medical Terminology

(Student Option;)

29259 001 IND, Completely Online; Kristyn Williamson ; 2 cr.

1003 Nonprescription Medications and Self-Care: Treating Minor Conditions (Student Option;)

29260 001 IND, Completely Online; Anna Milone ; 2 cr.

1004 Common Prescription Drugs and Diseases (Student Option;)

29261 001 IND, Completely Online; Kristyn Williamson ; 2 cr.

3206 Foundations of Health Literacy

(Student Option;)

29290 001 IND, Completely Online; Anna Milone, Jody Lounsbury ; 3 cr.

3700 Fundamentals of Pharmacotherapy

(A-F or Audit; Prereq: Medical terminology recommended)

29262 001 IND, Completely Online; Kristyn Williamson ; 3 cr.

3800 Pharmacotherapy for the Health Professions

(A-F only; Prereq: Anatomy and physiology)

29264 001 IND, Completely Online; Kristyn Williamson ; 3 cr.
29265 002 IND, Completely Online; Kristyn Williamson ; 3 cr.

4204W Drugs and the U.S. Healthcare System

(Student Option; CIV,WI)

29270 001 IND, Completely Online; Anna Milone, Kristyn Williamson ; 3 cr.

5201 Applied Medical Terminology

(Student Option; Prereq: Basic knowledge of human anatomy/physiology)

29257 001 IND, Completely Online; Kristyn Williamson ; 2 cr.

5204 Drugs and the US Healthcare System (Student Option;)

29271 001 IND, Completely Online; Anna Milone, Kristyn Williamson ; 3 cr.

5230 Principles of Clinical Pharmacology Research

(A-F only; Prereq: 3rd Year Pharmacy Student or instr consent)

29314 001 LEC, 10:10-12:05 M, Weaver-Densford Hall W7-193, Partially Online; Meets With: 001 ECP 8230; Melanie Nicol ; 2 cr.

5270 Therapeutics of Herbal and Other

Natural Medicinals
(A-F or Audit; Prereq: organic chemistry, pathophysiology of disease states, 3rd or 4th yr PHAR)
29373 001 LEC, Completely Online; Richard Kingston ; 2 cr.

5700 Applied Fundamentals of

Pharmacotherapy
(A-F only; Prereq: Medical terminology recommended)
29263 001 IND, Completely Online; Kristyn Williamson ; 3 cr.

5800 Pharmacotherapy for the Health Professions

(A-F only; Prereq: Anatomy and physiology)
29268 001 IND, Completely Online; Kristyn Williamson ; 3 cr.

Philosophy (PHIL)

1001 Introduction to Logic

(Student Option; MATH)
17984 001 LEC, 11:15-12:30 MW, Anderson Hall 250, In Person Term Based; Michael Kac ; 4 cr.
17985 003 DIS, 11:15-12:05 F, Blegen Hall 330, In Person Term Based; 4 cr.
17986 002 DIS, 11:15-12:05 F, Blegen Hall 335, In Person Term Based; 4 cr.
17987 004 DIS, 12:20-13:10 F, Blegen Hall 335, In Person Term Based; 4 cr.
18946 005 DIS, 12:20-13:10 F, Blegen Hall 330, In Person Term Based; 4 cr.

1002W Introduction to Philosophy

(Student Option; AH,WI)
19852 001 LEC, 13:25-14:15 MWF, West Bank Skyway 20, In Person Term Based; Peter Hanks ; 4 cr.
19853 002 DIS, 12:20-13:10 T, Blegen Hall 225, In Person Term Based; 4 cr.
19854 003 DIS, 13:25-14:15 T, Blegen Hall 225, In Person Term Based; 4 cr.
21560 004 DIS, 13:25-14:15 Th, Blegen Hall 205, In Person Term Based; Manon Andre De St. Amant ; 4 cr.
21561 005 DIS, 14:30-15:20 Th, Blegen Hall 115, In Person Term Based; Manon Andre De St. Amant ; 4 cr.

1004W Introduction to Political Philosophy

(Student Option; AH,WI,CIV)
17948 001 LEC, 10:10-11:00 MWF, Blegen Hall 10, In Person Term Based; Sarah Holtman ; 4 cr.
17949 002 DIS, 09:05-09:55 T, Blegen Hall 205, In Person Term Based; 4 cr.
17950 003 DIS, 09:05-09:55 Th, Blegen Hall 205, In Person Term Based; 4 cr.
19199 004 DIS, 10:10-11:00 T, Blegen Hall 205, In Person Term Based; 4 cr.
19499 005 DIS, 10:10-11:00 Th, Blegen Hall 205, In Person Term Based; 4 cr.

1005 Scientific Reasoning

(Student Option; Prereq: [1st or 2nd] yr student or instr consent)
32546 001 LEC, 09:45-11:00 TTh, Blegen Hall 140, In Person Term Based; Yoshinari Yoshida ; 4 cr.
32547 002 DIS, 09:05-09:55 F, Blegen Hall 145, In Person Term Based; Lauren Wilson ; 4 cr.

1006W Philosophy and Cultural Diversity

(Student Option; AH,WI,DSJ)
20556 001 LEC, 12:20-13:10 MWF, West Bank Skyway 20, In Person Term Based; Tucker Marks ; 4 cr.
20557 002 DIS, 12:20-13:10 T, Blegen Hall 205, In Person Term Based; 4 cr.
20558 003 DIS, 13:25-14:15 T, Blegen Hall 205, In Person Term Based; 4 cr.

1201 Critical Reasoning

(Student Option; AH)
32548 001 LEC, 11:15-12:05 MWF, Blegen Hall 255, In Person Term Based; Michael Bennett McNulty ; 4 cr.
32549 002 DIS, 11:15-12:05 Th, Blegen Hall 145, In Person Term Based; 4 cr.
32550 003 DIS, 12:20-13:10 Th, Blegen Hall 145, In Person Term Based; 4 cr.

1918 Comics as Art

(A-F only;)
33040 001 DIS, 14:30-15:45 TTh, Carlson School of Mgmt 1-136, In Person Term Based; Roy Cook ; 3 cr.

1919 Africana Philosophy

(A-F only;)
33041 001 DIS, 09:45-11:00 MF, Blegen Hall 230, In Person Term Based; Dwight Lewis ; 3 cr.

3001W General History of Western

Philosophy: Ancient Period
(Student Option; AH,WI)
21200 001 LEC, 13:00-14:15 TTh, Blegen Hall 155, In Person Term Based; Tamara Fakhoury ; 4 cr.
21201 002 DIS, 12:20-13:10 M, Blegen Hall 335, In Person Term Based; 4 cr.
21202 003 DIS, 13:25-14:15 M, Blegen Hall 330, In Person Term Based; 4 cr.

3100 Value Theory Practicum

(Student Option; Prereq: [concurrent registration is required (or allowed) in 3301 or concurrent registration is required (or allowed) in 3302W or concurrent registration is required (or allowed) in 3304 or concurrent registration is required (or allowed) in 3307 or concurrent registration is required (or allowed) in 3308], instr consent)
33970 001 FWK, In Person Term Based; Sarah Holtman ; 1 cr.

3302W Moral Problems of Contemporary Society

(Student Option; CIV,WI)
32551 001 LEC, 13:00-14:15 MW, Blegen Hall 317, In Person Term Based; Beth Arnold ; 4 cr.
32552 002 DIS, 12:20-13:10 F, Blegen Hall 105, In Person Term Based; 4 cr.
32553 003 DIS, 13:25-14:15 F, Blegen Hall 105, In Person Term Based; 4 cr.

3304 Law and Morality

(Student Option;)
32558 001 LEC, 13:00-14:15 MW, Blegen Hall 215, In Person Term Based; Sarah Holtman ; 3 cr.

3305 Medical Ethics

(Student Option;)
19200 001 LEC, 09:05-09:55 MWF, Blegen Hall 220, In Person Term Based; Nicole Thompson ; 4 cr.
20564 002 DIS, 09:05-09:55 T, Blegen Hall 220, In Person Term Based; 4 cr.

3311W Introduction to Ethical Theory

(Student Option; WI)
20856 001 DIS, 09:20-11:00 MW, Hubert H. Humphrey School 50B, In Person Term Based; Michelle Mason Bizri ; 4 cr.

3601W Scientific Thought

(Student Option; Prereq: One course in philosophy or natural science/WI)
18662 001 LEC, 09:20-11:00 TTh, Hubert H. Humphrey School 50B, In Person Term Based; Jos Uffink ; 4 cr.

3993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)
18025 001 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.

4101 Metaphysics

(Student Option; Prereq: One course in history of philosophy or instr consent)
32556 001 LEC, 11:15-12:05 MWF, Blegen Hall 205, In Person Term Based; Meets With: 001 PHIL 5101; Peter Hanks ; 3 cr.

4605 Space and Time

(Student Option; Prereq: Courses in [philosophy or physics] or instr consent)
32560 001 LEC, 14:30-15:45 TTh, Blegen Hall 225, In Person Term Based; Meets With: 001 PHIL 5605; Jos Uffink ; 3 cr.

4760 Selected Topics in Philosophy

(Student Option; Prereq: 3 [3xxx-5xxx] cr in philosophy or instr consent)
32905 001 LEC, 13:00-14:15 MW, Blegen Hall 260, In Person Term Based; Meets With: 001 PHIL 5760; Dwight Lewis ; 3 cr.

4893 Capstone: Directed Studies

(A-F only; Prereq: instr consent, dept consent)
19155 001 IND, 00:00-00:00 , , Independent/Directed Study; 1 cr.

4993 Directed Studies

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

18024 001 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.

5101 Metaphysics

(Student Option; Prereq: One course in history of philosophy or instr consent)
32557 001 LEC, 11:15-12:05 MWF, Blegen Hall 205, In Person Term Based; Meets With: 001 PHIL 4101; Peter Hanks ; 3 cr.

5201 Symbolic Logic I

(Student Option; Prereq: 1001 or instr consent)
32554 001 LEC, 13:00-14:15 TTh, Walter W Heller Hall 731, In Person Term Based; Catharine Saint-Croix ; 4 cr.
32555 002 DIS, 13:25-14:15 F, Walter W Heller Hall 731, In Person Term Based; Catharine Saint-Croix ; 4 cr.

5601 History of the Philosophy of Science

(Student Option; Prereq: instr consent)
32559 001 LEC, 15:00-17:30 W, Walter W Heller Hall 731, In Person Term Based; Michael Bennett McNulty ; 3 cr.

5605 Space and Time

(Student Option; Prereq: Courses in [philosophy or physics] or instr consent)
32561 001 LEC, 14:30-15:45 TTh, Blegen Hall 225, In Person Term Based; Meets With: 001 PHIL 4605; Jos Uffink ; 3 cr.

5760 Selected Topics in Philosophy

(Student Option; Prereq: 3xxx-5xxx course in phil or instr consent)
32906 001 DIS, 13:00-14:15 MW, Blegen Hall 260, In Person Term Based; Meets With: 001 PHIL 4760; Dwight Lewis ; 3 cr.
32907 002 DIS, 11:15-12:30 TTh, Walter W Heller Hall 731, In Person Term Based; Meets With: 001 BTHX 5000; Carl Elliott ; 3 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent, dept consent, college consent)
18026 001 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.

Physical Education (PE)

1012 Beginning Running

(Student Option No Audit;)
17481 001 LAB, Completely Online; Meghan Peyton ; 1 cr.
17482 002 LAB, Completely Online; Meghan Peyton ; 1 cr.
17483 003 LAB, Completely Online; Meghan Peyton ; 1 cr.
17617 004 LAB, Completely Online; Meghan Peyton ; 1 cr.

1014 Conditioning

(Student Option No Audit;)
16268 004 LAB, 10:10-11:50 F, U Of M Field House 50, In Person Term Based; Olivia Wicker ; 1 cr.
16269 001 LAB, 10:10-11:00 MW, U Of M Field House 50, In Person Term Based; Nathan Kubik ; 1 cr.
16270 002 LAB, 11:15-12:05 MW, U Of M Field House 50, In Person Term Based; Andrew Gonsaullus ; 1 cr.
33387 005 LAB, Completely Online; Olivia Wicker ; 1 cr.
33388 006 LAB, Completely Online; Olivia Wicker ; 1 cr.
33389 007 LAB, Completely Online; Olivia Wicker ; 1 cr.

1015 Weight Training

(Student Option No Audit;)
16271 001 LAB, 08:00-08:50 MW, University Rec Center 120, In Person Term Based; Andrew Gonsaullus ; 1 cr.
16272 002 LAB, 09:05-09:55 MW, University Rec Center 120, In Person Term Based; Andrew Gonsaullus ; 1 cr.
16273 003 LAB, 10:10-11:00 MW, University Rec Center 120, In Person Term Based; Andrew Gonsaullus ; 1 cr.
16274 005 LAB, 09:05-09:55 TTh, University Rec Center 120, In Person Term Based; Benjamin Kohler ; 1 cr.
16275 006 LAB, 10:10-11:00 TTh, University Rec Center 120, In Person Term Based; Benjamin Kohler ; 1 cr.
16786 004 LAB, 08:00-08:50 TTh, University Rec Center 120, In Person Term Based; Benjamin Kohler ; 1 cr.

1016 Posture and Individual Exercise

(Student Option No Audit;)
17178 001 LAB, 13:25-14:15 MW, Cooke Hall 325, In Person Term Based; Alexandra Eady ; 1 cr.
17299 002 LAB, 14:30-15:20 MW, Cooke Hall 325, In Person Term Based; Alexandra Eady ; 1 cr.
17716 005 LAB, Completely Online; Amanda Frayeh ; 1 cr.
17717 006 LAB, Completely Online; Amanda Frayeh ; 1 cr.
17718 007 LAB, Completely Online; Amanda Frayeh ; 1 cr.
17719 008 LAB, Completely Online; Amanda Frayeh ; 1 cr.

34315 003 LAB, 12:20-13:10 MW, Cooke Hall 325, In Person Term Based; Alexandra Eady ; 1 cr.

1032 Badminton

(Student Option No Audit;)

17604 002 LAB, 10:10-11:00 MW, Cooke Hall 325, In Person Term Based; Rahul Rajan ; 1 cr.
17605 003 LAB, 11:15-12:05 MW, Cooke Hall 325, In Person Term Based; Rahul Rajan ; 1 cr.

1035 Karate

(Student Option No Audit;)

16264 001 LAB, 10:10-11:50 F, Cooke Hall 325, In Person Term Based; Trung Le ; 1 cr.

1036 Racquetball

(Student Option No Audit;)

33958 001 LAB, 13:25-14:15 TTh, University Rec Center 145, In Person Term Based; Mitchell Hoffman ; 1 cr.
33959 002 LAB, 14:30-15:20 TTh, University Rec Center 145, In Person Term Based; Mitchell Hoffman ; 1 cr.

1037 Squash Racquets

(Student Option No Audit;)

33417 001 LAB, 11:15-12:05 MW, University Rec Center 143, In Person Term Based; John Stever ; 1 cr.
33418 002 LAB, 10:10-11:50 F, University Rec Center 143, In Person Term Based; John Stever ; 1 cr.

1038 Beginning Tennis

(Student Option No Audit;)

16277 001 LAB, 08:00-08:50 MW, Ridder Arena/Baseline 106, In Person Term Based; Susan Allen ; 1 cr.
16278 002 LAB, 09:05-09:55 MW, Ridder Arena/Baseline 106, In Person Term Based; Susan Allen ; 1 cr.
16279 003 LAB, 10:10-11:00 MW, Ridder Arena/Baseline 106, In Person Term Based; Susan Allen ; 1 cr.
16280 004 LAB, 11:15-12:05 MW, Ridder Arena/Baseline 106, In Person Term Based; Susan Allen ; 1 cr.
16281 005 LAB, 08:00-08:50 TTh, Ridder Arena/Baseline 106, In Person Term Based; Daniel Haertl ; 1 cr.
16282 006 LAB, 09:05-09:55 TTh, Ridder Arena/Baseline 106, In Person Term Based; Daniel Haertl ; 1 cr.
16283 007 LAB, 10:10-11:00 TTh, Ridder Arena/Baseline 106, In Person Term Based; Daniel Haertl ; 1 cr.
16284 008 LAB, 11:15-12:05 TTh, Ridder Arena/Baseline 106, In Person Term Based; Daniel Haertl ; 1 cr.

1044 Self-Defense

(Student Option No Audit;)

16265 001 LAB, 10:10-11:00 MW, Cooke Hall 308, In Person Term Based; Kara Winter ; 1 cr.
16367 002 LAB, 11:15-12:05 MW, Cooke Hall 308, In Person Term Based; Kara Winter ; 1 cr.
16452 003 LAB, 08:00-08:50 TTh, Cooke Hall 308, In Person Term Based; Trung Le ; 1 cr.
16737 004 LAB, 09:05-09:55 TTh, Cooke Hall 308, In Person Term Based; Trung Le ; 1 cr.
16749 005 LAB, 13:25-15:05 M, Cooke Hall 308, In Person Term Based; Kara Winter ; 1 cr.
17034 006 LAB, 18:45-20:30 W, St. Paul Gymnasium 130, In Person Term Based; Kara Winter ; 1 cr.
17100 007 LAB, 13:25-15:05 F, Cooke Hall 308, In Person Term Based; Trung Le ; 1 cr.

1045 Rock Climbing

(Student Option No Audit; Prereq: Good general health, no [neck or back] problems)

17370 001 LAB, 08:00-09:40 M, University Rec Center 68B, In Person Term Based; Tyler Williams ; 1 cr.
17371 002 LAB, 10:10-11:50 M, University Rec Center 68B, In Person Term Based; Tyler Williams ; 1 cr.
17372 003 LAB, 08:00-09:40 T, University Rec Center 68B, In Person Term Based; Tyler Williams ; 1 cr.
17373 004 LAB, 10:10-11:50 T, University Rec Center 68B, In Person Term Based; Tyler Williams ; 1 cr.
17479 005 LAB, 08:00-09:40 W, University Rec Center 68B, In Person Term Based; Zach Bramel ; 1 cr.
17480 006 LAB, 10:10-11:50 W, University Rec Center 68B, In Person Term Based; Zach Bramel ; 1 cr.
17488 007 LAB, 08:00-09:40 Th, University Rec Center 68B, In Person Term Based; Benjamin Phaneuf ; 1 cr.
33765 008 LAB, 10:10-11:50 Th, University Rec Center 68B, In Person Term Based; Benjamin Phaneuf ; 1 cr.

1046 Tae Kwon Do

(Student Option No Audit;)

16680 002 LEC, 10:10-11:00 TTh, University Rec Center 320, In Person Term Based; Aaron Kim ; 1 cr.
17308 003 LEC, 11:15-12:05 TTh, University Rec Center 320, In Person Term Based; Aaron Kim ; 1 cr.

1048 Bowling

(Student Option No Audit;)

16739 008 LAB, 12:20-13:10 TTh, Coffman Memorial Union B3, In Person Term Based; William Thompson ; 1 cr.
16855 006 LAB, 10:10-11:00 TTh, Coffman Memorial Union B3, In Person Term Based; William Thompson ; 1 cr.
16856 007 LAB, 11:15-12:05 TTh, Coffman Memorial Union B3, In Person Term Based; William Thompson ; 1 cr.
16889 005 LAB, 09:05-09:55 TTh, Coffman Memorial Union B3, In Person Term Based; William Thompson ; 1 cr.

1071 Beginning Cricket

(Student Option No Audit;)

17369 001 LAB, 09:05-10:45 F, University Rec Center 451, In Person Term Based; Charles Peterson ; 1 cr.

1072 Soccer

(Student Option No Audit;)

16819 001 LAB, 09:05-10:45 MW, U Of M Fieldhouse 102 (E), In Person Term Based; John Curtis ; 1 cr.
16820 003 LAB, 09:05-10:45 TTh, U Of M Fieldhouse 102 (E), In Person Term Based; Viktor Adamcsek ; 1 cr.
17046 005 LAB, 09:05-10:45 MW, U Of M Fieldhouse 102 (E), In Person Term Based; John Curtis ; 1 cr.
17047 004 LAB, 11:15-12:55 TTh, U Of M Fieldhouse 102 (E), In Person Term Based; Viktor Adamcsek ; 1 cr.
17522 009 LAB, 09:05-10:45 TTh, U Of M Fieldhouse 102 (E), In Person Term Based; Viktor Adamcsek ; 1 cr.
17523 010 LAB, 11:15-12:55 TTh, U Of M Fieldhouse 102 (E), In Person Term Based; Viktor Adamcsek ; 1 cr.
33887 002 LAB, 11:15-12:55 MW, U Of M Fieldhouse 102 (E), In Person Term Based; John Curtis ; 1 cr.
33888 006 LAB, 11:15-12:55 MW, U Of M Fieldhouse 102 (E), In Person Term Based; John Curtis ; 1 cr.

1076 Flag Football

(Student Option No Audit;)

16857 001 LAB, 10:10-11:50 TTh, Huntington Bank Stad Field Eas, In Person Term Based; Jaime Medina ; 1 cr.
33453 002 LAB, 10:10-11:50 MW, Huntington Bank Stad Field Eas, In Person Term Based; Jaime Medina ; 1 cr.

1205 Scuba and Skin Diving

(Student Option No Audit; Prereq: Ability to swim 400 yds comfortably or instr consent)

16266 001 LAB, 18:00-22:15 M, University Aquatic Center 45, In Person Term Based; Kenneth Ries ; 1 cr.
16267 002 LAB, 18:00-22:15 W, University Aquatic Center 45, In Person Term Based; Robert Karl ; 1 cr.
16368 003 LAB, 10:10-12:05 TTh, University Aquatic Center 45, In Person Term Based; Robert Karl ; 1 cr.
16369 004 LAB, 18:00-22:15 M, University Aquatic Center 45, In Person Term Based; Kenneth Ries ; 1 cr.
17259 006 LAB, 10:10-12:05 TTh, University Aquatic Center 45, In Person Term Based; Robert Karl ; 1 cr.
17695 005 LAB, 18:00-22:15 W, University Aquatic Center 45, In Person Term Based; Robert Karl ; 1 cr.

Physical Therapy (PT)

1002 Orientation to Physical Therapy

(S-N or Audit;)

27441 001 LEC, 13:25-14:15 T, No Room Required, In Person Term Based; Jennifer Arnold ; 1 cr.

Physics (PHYS)

1001W Energy and the Environment

(Student Option; Prereq: 1 yr high school algebra ENV,WI,PHYS)

23931 100 LEC, 14:30-15:20 MWF, Tate Hall B20, In Person Term Based; Paul Haines ; 4 cr.
23932 101 LAB, 10:10-12:05 T, Tate Hall B78, In Person Term Based; Paul Haines ; 4 cr.
23933 102 LAB, 12:20-14:15 T, Tate Hall B78, In Person Term Based; Paul Haines ; 4 cr.
23934 103 LAB, 14:30-16:25 T, Tate Hall B78, In Person Term Based; Paul Haines ; 4 cr.
23937 106 LAB, 10:10-12:05 W, Tate Hall B78, In Person Term Based; Paul Haines ; 4 cr.

1101W Introductory College Physics I

(Student Option; Prereq: High school algebra, plane geometry, trigonometry; primarily for students interested in technical areasPHYS,WI)

23938 100 LEC, 13:25-14:15 MWF, Tate Hall B50, In Person Term Based; Elias Puchner ; 4 cr.
23939 102 DIS, 13:25-14:15 T, Amundson Hall 158, In Person Term Based; Elias Puchner ; 4 cr.
23940 103 LAB, 11:15-13:10 M, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.
23941 104 DIS, 13:25-14:15 T, Akerman Hall 211, In Person Term Based; Elias Puchner ; 4 cr.

23942 105 LAB, 08:00-09:55 T, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.

23945 108 DIS, 13:25-14:15 T, Amundson Hall 124, In Person Term Based; Elias Puchner ; 4 cr.
23946 109 LAB, 08:00-09:55 W, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.
23947 122 DIS, 14:30-15:20 T, Amundson Hall 104, In Person Term Based; Elias Puchner ; 4 cr.
23948 126 DIS, 14:30-15:20 T, Vincent Hall 301, In Person Term Based; Elias Puchner ; 4 cr.
23949 127 LAB, 15:35-17:30 T, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.
23950 128 DIS, 14:30-15:20 T, Armory Building 116, In Person Term Based; Elias Puchner ; 4 cr.
23951 129 LAB, 10:10-12:05 W, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.
23952 130 DIS, 14:30-15:20 T, Nicholson Hall 110, In Person Term Based; Elias Puchner ; 4 cr.
23953 131 LAB, 14:30-16:25 Th, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.
23954 200 LEC, 17:45-19:00 TTh, Tate Hall B20, In Person Term Based; Vincent Noireaux ; 4 cr.
23955 202 DIS, 19:15-20:05 T, Tate Hall 120, In Person Term Based; Vincent Noireaux ; 4 cr.
23956 203 LAB, 16:40-18:35 M, Tate Hall B76, In Person Term Based; Vincent Noireaux ; 4 cr.
23957 204 DIS, 19:15-20:05 T, Tate Hall B65, In Person Term Based; Vincent Noireaux ; 4 cr.
23958 205 LAB, 13:25-15:20 T, Tate Hall B76, In Person Term Based; Vincent Noireaux ; 4 cr.
24514 206 DIS, 19:15-20:05 T, Tate Hall B55, In Person Term Based; Vincent Noireaux ; 4 cr.
24515 207 LAB, 12:20-14:15 W, Tate Hall B76, In Person Term Based; Vincent Noireaux ; 4 cr.
24568 234 DIS, 20:15-21:05 T, Tate Hall B45, In Person Term Based; Vincent Noireaux ; 4 cr.
24569 235 LAB, 10:10-12:05 Th, Tate Hall B76, In Person Term Based; Vincent Noireaux ; 4 cr.
25667 124 DIS, 14:30-15:20 T, Folwell Hall 103, In Person Term Based; Elias Puchner ; 4 cr.
25821 123 LAB, 14:30-16:25 M, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.
25822 125 LAB, 10:10-12:05 T, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.
26261 120 DIS, 14:30-15:20 T, Ford Hall 155, In Person Term Based; Elias Puchner ; 4 cr.
26262 121 LAB, 09:05-11:00 M, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.
26369 111 LAB, 12:20-14:15 Th, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.
26370 110 DIS, 13:25-14:15 T, Folwell Hall 107, In Person Term Based; Elias Puchner ; 4 cr.
26590 112 DIS, 13:25-14:15 T, Bruininks Hall 119, In Person Term Based; Elias Puchner ; 4 cr.
26591 113 LAB, 16:40-18:35 Th, Tate Hall B76, In Person Term Based; Elias Puchner ; 4 cr.
26592 232 DIS, 20:15-21:05 T, Tate Hall B55, In Person Term Based; Vincent Noireaux ; 4 cr.
26593 233 LAB, 16:40-18:35 W, Tate Hall B76, In Person Term Based; Vincent Noireaux ; 4 cr.

1107 Introductory Physics Online I

(Student Option; Prereq: High school algebra, plane geometry, trigonometryPHYS)

25138 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)

26454 100 LEC, 17:45-18:35 Th, Room TBA, 12:20-13:10 MWF, Tate Hall B50, In Person Term Based; E Dahlberg ; 4 cr.
26490 200 LEC, 17:45-18:35 Th, Lab TBA, 16:40-17:30 MTW, Tate Hall B50, In Person Term Based; Paul Haines ; 4 cr.
26518 101 DIS, 11:15-12:05 T, Smith Hall 121, In Person Term Based; E Dahlberg ; 4 cr.
26519 102 LAB, 10:10-12:05 M, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
26520 103 DIS, 11:15-12:05 T, Peik Hall 335, In Person Term Based; E Dahlberg ; 4 cr.
26521 104 LAB, 09:05-11:00 T, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
26522 105 DIS, 11:15-12:05 T, Ford Hall 155, In Person Term Based; E Dahlberg ; 4 cr.
26523 106 LAB, 08:00-09:55 W, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
26526 109 DIS, 11:15-12:05 T, Ford Hall 170, In Person Term Based; E Dahlberg ; 4 cr.
26527 110 LAB, 12:20-14:15 Th, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
26528 121 DIS, 12:20-13:10 T, Ford Hall 170, In Person Term Based; E Dahlberg ; 4 cr.
26529 122 LAB, 14:30-16:25 M, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.

26530 123 DIS, 12:20-13:10 T, Vincent Hall 213, In Person Term Based; E Dahlberg ; 4 cr.
 26531 124 LAB, 14:30-16:25 T, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
 26534 127 DIS, 12:20-13:10 T, Smith Hall 121, In Person Term Based; E Dahlberg ; 4 cr.
 26535 128 LAB, 15:35-17:30 W, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
 26536 129 DIS, 12:20-13:10 T, Folwell Hall 4, In Person Term Based; E Dahlberg ; 4 cr.
 26537 130 LAB, 10:10-12:05 Th, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
 26538 141 DIS, 13:25-14:15 T, Vincent Hall 213, In Person Term Based; E Dahlberg ; 4 cr.
 26539 142 LAB, 08:00-09:55 M, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
 26540 143 DIS, 13:25-14:15 T, Ford Hall 110, In Person Term Based; E Dahlberg ; 4 cr.
 26541 144 LAB, 16:40-18:35 M, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
 26544 147 DIS, 13:25-14:15 T, Smith Hall 121, In Person Term Based; E Dahlberg ; 4 cr.
 26545 148 LAB, 13:25-15:20 W, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
 26546 149 DIS, 13:25-14:15 T, Kolthoff Hall 137, In Person Term Based; E Dahlberg ; 4 cr.
 26547 150 LAB, 14:30-16:25 Th, Tate Hall B59, In Person Term Based; E Dahlberg ; 4 cr.
 26550 203 DIS, 14:30-15:20 Th, Bruininks Hal 121, In Person Term Based; Paul Haines ; 4 cr.
 26551 204 LAB, 14:30-16:25 T, Tate Hall B70, In Person Term Based; Paul Haines ; 4 cr.
 26552 205 DIS, 14:30-15:20 Th, Ford Hall 155, In Person Term Based; Paul Haines ; 4 cr.
 26553 206 LAB, 10:10-12:05 W, Tate Hall B70, In Person Term Based; Paul Haines ; 4 cr.
 26556 221 DIS, 15:35-16:25 Th, Kolthoff Hall 133, In Person Term Based; Paul Haines ; 4 cr.
 26557 222 LAB, 10:10-12:05 T, Tate Hall B70, In Person Term Based; Paul Haines ; 4 cr.
 26558 223 DIS, 15:35-16:25 Th, Amundson Hall 120, In Person Term Based; Paul Haines ; 4 cr.
 26559 224 LAB, 17:45-19:40 T, Tate Hall B70, In Person Term Based; Paul Haines ; 4 cr.
 26562 241 DIS, 16:40-17:30 Th, Ford Hall 170, In Person Term Based; 4 cr.
 26563 242 LAB, 12:20-14:15 T, Tate Hall B70, In Person Term Based; Paul Haines ; 4 cr.
 26566 247 DIS, 16:40-17:30 Th, Kolthoff Hall 133, In Person Term Based; Paul Haines ; 4 cr.
 26567 248 LAB, 14:30-16:25 W, Tate Hall B70, In Person Term Based; Paul Haines ; 4 cr.

1222 Introductory Physics for Life Science Majors II (Student Option; Prereq: PHYS 1221 or equivalentPHYS)

26455 100 LEC, 17:45-18:35 Th, Room TBA, 11:15-12:05 MWF, Tate Hall B50, In Person Term Based; Rafael Fernandes ; 4 cr.
 26548 101 DIS, 09:05-09:55 Th, Wulling Hall 220, In Person Term Based; Rafael Fernandes ; 4 cr.
 26549 102 LAB, 14:30-16:25 M, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.
 26568 103 DIS, 09:05-09:55 Th, Bruininks Hall 123, In Person Term Based; Rafael Fernandes ; 4 cr.
 26569 104 LAB, 12:20-14:15 T, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.
 26570 107 DIS, 09:05-09:55 Th, Bruininks Hall 144, In Person Term Based; Rafael Fernandes ; 4 cr.
 26571 108 LAB, 12:20-14:15 Th, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.
 26572 121 DIS, 10:10-11:00 Th, Ford Hall 155, In Person Term Based; Rafael Fernandes ; 4 cr.
 26573 122 LAB, 16:40-18:35 M, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.
 26574 123 DIS, 10:10-11:00 Th, Wulling Hall 220, In Person Term Based; Rafael Fernandes ; 4 cr.
 26575 124 LAB, 08:00-09:55 T, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.
 26576 125 DIS, 10:10-11:00 Th, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.
 26577 126 LAB, 12:20-14:15 W, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.
 26578 141 DIS, 11:15-12:05 Th, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.
 26579 142 LAB, 08:00-09:55 M, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.
 26580 143 DIS, 11:15-12:05 Th, Bruininks Hall 144, In Person Term Based; Rafael Fernandes ; 4 cr.
 26581 144 LAB, 10:10-12:05 T, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.
 26582 145 DIS, 11:15-12:05 Th, Molecular Cellular Biol 2-122, In Person Term Based; Rafael Fernandes ; 4 cr.
 26583 146 LAB, 14:30-16:25 Th, Tate Hall B74, In Person Term Based; Rafael Fernandes ; 4 cr.

26751 200 LEC, 17:45-18:35 Th, Room TBA, 13:25-14:15 MWF, Tate Hall B20, In Person Term Based; Aaron Wynveen ; 4 cr.
 26752 201 DIS, 13:25-14:15 Th, Tate Hall B85, In Person Term Based; Aaron Wynveen ; 4 cr.
 26753 202 LAB, 16:40-18:35 T, Tate Hall B74, In Person Term Based; Aaron Wynveen ; 4 cr.
 26754 203 DIS, 13:25-14:15 Th, Bruininks Hall 119, In Person Term Based; Aaron Wynveen ; 4 cr.
 26755 204 LAB, 10:10-12:05 W, Tate Hall B74, In Person Term Based; Aaron Wynveen ; 4 cr.
 26758 221 DIS, 14:30-15:20 Th, Bruininks Hall 119, In Person Term Based; Aaron Wynveen ; 4 cr.
 26759 222 LAB, 10:10-12:05 M, Tate Hall B74, In Person Term Based; Aaron Wynveen ; 4 cr.
 26760 223 DIS, 14:30-15:20 Th, Vincent Hall 113, In Person Term Based; Aaron Wynveen ; 4 cr.
 26761 224 LAB, 14:30-16:25 W, Tate Hall B74, In Person Term Based; Aaron Wynveen ; 4 cr.
 26764 241 DIS, 15:35-16:25 Th, Bruininks Hall 123, In Person Term Based; Aaron Wynveen ; 4 cr.
 26765 242 LAB, 14:30-16:25 T, Tate Hall B74, In Person Term Based; Aaron Wynveen ; 4 cr.
 26768 245 DIS, 15:35-16:25 Th, Appleby Hall 223, In Person Term Based; Aaron Wynveen ; 4 cr.
 26769 246 LAB, 08:00-09:55 Th, Tate Hall B74, In Person Term Based; Aaron Wynveen ; 4 cr.

1301W Introductory Physics for Science and Engineering I (Student Option; Prereq or concurrent: MATH 1271/1371/1371H or equivalentPHYS,WI)

23959 112 DIS, 08:00-08:50 Th, Amundson Hall 156, In Person Term Based; Ali Sulaiman ; 4 cr.
 23960 113 LAB, 10:10-12:05 Th, Tate Hall B72, In Person Term Based; Ali Sulaiman ; 4 cr.
 23961 114 DIS, 08:00-08:50 Th, Kolthoff Hall 135, In Person Term Based; Ali Sulaiman ; 4 cr.
 23962 107 LAB, 11:15-13:10 T, Tate Hall B63, In Person Term Based; Ali Sulaiman ; 4 cr.
 23963 108 DIS, 08:00-08:50 Th, Tate Hall B65, In Person Term Based; Ali Sulaiman ; 4 cr.
 23964 109 LAB, 09:05-11:00 W, Tate Hall B63, In Person Term Based; Ali Sulaiman ; 4 cr.
 23965 130 DIS, 09:05-09:55 Th, Folwell Hall 107, In Person Term Based; Ali Sulaiman ; 4 cr.
 23966 131 LAB, 11:15-13:10 M, Tate Hall B26, In Person Term Based; Ali Sulaiman ; 4 cr.
 23967 132 DIS, 09:05-09:55 Th, Smith Hall 111, In Person Term Based; Ali Sulaiman ; 4 cr.
 23968 133 LAB, 09:05-11:00 T, Tate Hall B63, In Person Term Based; Ali Sulaiman ; 4 cr.
 23969 300 LEC, 17:45-18:35 T, Room TBA, 10:10-11:00 MWF, Tate Hall B50, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23970 302 DIS, 10:10-11:00 Th, Vincent Hall 364, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23971 303 LAB, 08:00-09:55 M, Tate Hall B63, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23972 304 DIS, 10:10-11:00 Th, Nicholson Hall 120, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23973 305 LAB, 11:15-13:10 T, Tate Hall B72, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23974 306 DIS, 10:10-11:00 Th, Hubert H. Humphrey School 50A, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23975 307 LAB, 08:00-09:55 W, Tate Hall B23, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23976 308 DIS, 10:10-11:00 Th, Bruininks Hall 123, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23977 309 LAB, 13:25-15:20 W, Tate Hall B23, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23978 310 DIS, 10:10-11:00 Th, Smith Hall 121, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23979 311 LAB, 08:00-09:55 Th, Tate Hall B26, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23980 210 DIS, 08:00-08:50 Th, Amundson Hall 162, In Person Term Based; James Kakalios ; 4 cr.
 23981 211 LAB, 10:10-12:05 Th, Tate Hall B26, In Person Term Based; James Kakalios ; 4 cr.
 23982 403 LAB, 08:00-09:55 M, Tate Hall B72, In Person Term Based; Gregory Pawloski ; 4 cr.
 23983 336 DIS, 11:15-12:05 Th, Carlson School of Mgmt 1-136, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23984 337 LAB, 11:15-13:10 W, Tate Hall B23, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23985 340 DIS, 11:15-12:05 Th, Physics & Nanotechnology 120, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 23986 341 LAB, 14:30-16:25 Th, Tate Hall B26, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 24301 115 LAB, 14:30-16:25 Th, Tate Hall B72, In Person Term Based; Ali Sulaiman ; 4 cr.
 24302 139 LAB, 12:20-14:15 Th, Tate Hall B72, In Person Term Based; Ali Sulaiman ; 4 cr.

24303 314 DIS, 10:10-11:00 Th, Appleby Hall 303, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 24304 315 LAB, 16:40-18:35 Th, Tate Hall B63, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 24319 100 LEC, 17:45-18:35 T, Room TBA, 08:00-08:50 MWF, Tate Hall B50, In Person Term Based; Ali Sulaiman ; 4 cr.
 24320 104 DIS, 08:00-08:50 Th, Bruininks Hall 123, In Person Term Based; Ali Sulaiman ; 4 cr.
 24321 105 LAB, 13:25-15:20 M, Tate Hall B26, In Person Term Based; Ali Sulaiman ; 4 cr.
 24322 106 DIS, 08:00-08:50 Th, Kolthoff Hall 137, In Person Term Based; Ali Sulaiman ; 4 cr.
 24427 600 LEC, 17:45-18:35 T, Room TBA, 17:45-19:00 MW, Tate Hall B50, In Person Term Based; Vincent Noireaux ; 4 cr.
 24585 604 DIS, 19:15-20:05 M, Tate Hall B85, In Person Term Based; Vincent Noireaux ; 4 cr.
 24586 605 LAB, 14:30-16:25 M, Tate Hall B23, In Person Term Based; Vincent Noireaux ; 4 cr.
 24587 606 DIS, 19:15-20:05 M, Tate Hall B55, In Person Term Based; Vincent Noireaux ; 4 cr.
 24588 607 LAB, 13:25-15:20 T, Tate Hall B72, In Person Term Based; Vincent Noireaux ; 4 cr.
 24589 626 DIS, 20:15-21:05 M, Tate Hall B55, In Person Term Based; Vincent Noireaux ; 4 cr.
 24590 627 LAB, 10:10-12:05 Th, Tate Hall B23, In Person Term Based; Vincent Noireaux ; 4 cr.
 25440 608 DIS, 19:15-20:05 M, Tate Hall B45, In Person Term Based; Vincent Noireaux ; 4 cr.
 25441 609 LAB, 13:25-15:20 W, Tate Hall B26, In Person Term Based; Vincent Noireaux ; 4 cr.
 25589 500 LEC, 17:45-18:35 T, Room TBA, 14:30-15:20 MWF, Tate Hall B50, In Person Term Based; Ke Wang ; 4 cr.
 25590 502 DIS, 14:30-15:20 Th, Amundson Hall 120, In Person Term Based; Ke Wang ; 4 cr.
 25591 503 LAB, 16:40-18:35 M, Tate Hall B72, In Person Term Based; Ke Wang ; 4 cr.
 25592 504 DIS, 14:30-15:20 Th, Folwell Hall 103, In Person Term Based; Ke Wang ; 4 cr.
 25593 505 LAB, 08:00-09:55 T, Tate Hall B72, In Person Term Based; Ke Wang ; 4 cr.
 25594 508 DIS, 14:30-15:20 Th, Vincent Hall 207, In Person Term Based; Ke Wang ; 4 cr.
 25595 509 LAB, 15:35-17:30 T, Tate Hall B72, In Person Term Based; Ke Wang ; 4 cr.
 25596 510 DIS, 14:30-15:20 Th, Ford Hall B15, In Person Term Based; Ke Wang ; 4 cr.
 25597 511 LAB, 09:05-11:00 W, Tate Hall B26, In Person Term Based; Ke Wang ; 4 cr.
 25598 525 LAB, 15:35-17:30 W, Tate Hall B63, In Person Term Based; Ke Wang ; 4 cr.
 25599 528 DIS, 15:35-16:25 Th, Kolthoff Hall 137, In Person Term Based; Ke Wang ; 4 cr.
 25600 529 LAB, 12:20-14:15 Th, Tate Hall B23, In Person Term Based; Ke Wang ; 4 cr.
 25668 138 DIS, 09:05-09:55 Th, Amundson Hall 104, In Person Term Based; Ali Sulaiman ; 4 cr.
 25669 524 DIS, 15:35-16:25 Th, Tate Hall B55, In Person Term Based; Ke Wang ; 4 cr.
 25670 624 DIS, 20:15-21:05 M, Tate Hall B45, In Person Term Based; Vincent Noireaux ; 4 cr.
 25671 625 LAB, 15:35-17:30 W, Tate Hall B26, In Person Term Based; Vincent Noireaux ; 4 cr.
 25975 202 DIS, 08:00-08:50 Th, Ford Hall 170, In Person Term Based; James Kakalios ; 4 cr.
 25976 203 LAB, 10:10-12:05 M, Tate Hall B63, In Person Term Based; James Kakalios ; 4 cr.
 25977 233 LAB, 12:20-14:15 Th, Tate Hall B26, In Person Term Based; James Kakalios ; 4 cr.
 25978 530 DIS, 15:35-16:25 Th, Ford Hall 155, In Person Term Based; Ke Wang ; 4 cr.
 25979 531 LAB, 10:10-12:05 F, Tate Hall B26, In Person Term Based; Ke Wang ; 4 cr.
 25980 610 DIS, 19:15-20:05 M, Tate Hall B65, In Person Term Based; Vincent Noireaux ; 4 cr.
 25981 611 LAB, 12:20-14:15 M, Tate Hall B23, In Person Term Based; Vincent Noireaux ; 4 cr.
 26042 206 DIS, 08:00-08:50 Th, Kolthoff Hall 133, In Person Term Based; James Kakalios ; 4 cr.
 26043 207 LAB, 10:10-12:05 T, Tate Hall B26, In Person Term Based; James Kakalios ; 4 cr.
 26044 212 DIS, 08:00-08:50 Th, Kolthoff Hall 139, In Person Term Based; James Kakalios ; 4 cr.
 26045 208 DIS, 08:00-08:50 Th, Tate Hall 120, In Person Term Based; James Kakalios ; 4 cr.
 26046 209 LAB, 13:25-15:20 W, Tate Hall B72, In Person Term Based; James Kakalios ; 4 cr.
 26047 330 DIS, 11:15-12:05 Th, Kolthoff Hall 135, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 26048 331 LAB, 15:35-17:30 M, Tate Hall B26, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
 26049 232 DIS, 09:05-09:55 Th, Ford Hall 115, In Person Term Based; James Kakalios ; 4 cr.

- 26050 223 LAB, 12:20-14:15 M, Tate Hall B63, In Person Term Based; James Kakalios ; 4 cr.
- 26051 224 DIS, 09:05-09:55 Th, Vincent Hall 213, In Person Term Based; James Kakalios ; 4 cr.
- 26052 225 LAB, 12:20-14:15 T, Tate Hall B26, In Person Term Based; James Kakalios ; 4 cr.
- 26055 204 DIS, 08:00-08:50 Th, Bruininks Hall 119, In Person Term Based; James Kakalios ; 4 cr.
- 26056 205 LAB, 14:30-16:25 M, Tate Hall B63, In Person Term Based; James Kakalios ; 4 cr.
- 26057 226 DIS, 09:05-09:55 Th, Bruininks Hall 117, In Person Term Based; James Kakalios ; 4 cr.
- 26058 227 LAB, 15:35-17:30 T, Tate Hall B63, In Person Term Based; James Kakalios ; 4 cr.
- 26059 230 DIS, 09:05-09:55 Th, Ford Hall 155, In Person Term Based; James Kakalios ; 4 cr.
- 26060 231 LAB, 15:35-17:30 W, Tate Hall B72, In Person Term Based; James Kakalios ; 4 cr.
- 26181 142 DIS, 09:05-09:55 Th, Tate Hall B55, In Person Term Based; Ali Sulaiman ; 4 cr.
- 26182 143 LAB, 13:25-15:20 W, Tate Hall B63, In Person Term Based; Ali Sulaiman ; 4 cr.
- 26183 312 DIS, 10:10-11:00 Th, Mechanical Engineering 221, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
- 26184 313 LAB, 12:20-14:15 Th, Tate Hall B63, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
- 26185 222 DIS, 09:05-09:55 Th, Mechanical Engineering 102, In Person Term Based; James Kakalios ; 4 cr.
- 26186 213 LAB, 14:30-16:25 Th, Tate Hall B63, In Person Term Based; James Kakalios ; 4 cr.
- 26216 400 LEC, 17:45-18:35 T, Room TBA, 12:20-13:10 MWF, Tate Hall B20, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26217 200 LEC, 17:45-18:35 T, Room TBA, 09:05-09:55 MWF, Tate Hall B50, In Person Term Based; James Kakalios ; 4 cr.
- 26266 332 DIS, 11:15-12:05 Th, Physics & Nanotechnology 110, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
- 26267 333 LAB, 08:00-09:55 T, Tate Hall B26, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
- 26268 334 DIS, 11:15-12:05 Th, Nicholson Hall 335, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
- 26269 335 LAB, 14:30-16:25 T, Tate Hall B26, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
- 26270 402 DIS, 11:15-12:05 Th, Blegen Hall 125, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26271 406 DIS, 11:15-12:05 Th, Mayo Bldg & Additions C231, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26272 407 LAB, 13:25-15:20 T, Tate Hall B23, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26273 408 DIS, 11:15-12:05 Th, Tate Hall B80, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26274 409 LAB, 09:05-11:00 W, Tate Hall B72, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26275 420 DIS, 12:20-13:10 Th, Kolthoff Hall 139, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26276 421 LAB, 10:10-12:05 M, Tate Hall B72, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26277 424 DIS, 12:20-13:10 Th, Ford Hall 170, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26278 425 LAB, 15:35-17:30 T, Tate Hall B23, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26279 426 DIS, 12:20-13:10 Th, Folwell Hall 121, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26280 427 LAB, 08:00-09:55 Th, Tate Hall B72, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26350 234 DIS, 09:05-09:55 Th, Blegen Hall 105, In Person Term Based; James Kakalios ; 4 cr.
- 26351 235 LAB, 16:40-18:35 Th, Tate Hall B26, In Person Term Based; James Kakalios ; 4 cr.
- 26352 338 DIS, 11:15-12:05 Th, Bruininks Hall 230, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
- 26353 339 LAB, 15:35-17:30 W, Tate Hall B23, In Person Term Based; Daniel Cronin-Hennessy ; 4 cr.
- 26385 622 DIS, 20:15-21:05 M, Tate Hall B85, In Person Term Based; Vincent Noireaux ; 4 cr.
- 26386 623 LAB, 11:15-13:10 T, Tate Hall B23, In Person Term Based; Vincent Noireaux ; 4 cr.
- 26480 404 DIS, 11:15-12:05 Th, Physics & Nanotechnology 130, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26481 405 LAB, 14:30-16:25 M, Tate Hall B72, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26482 422 DIS, 12:20-13:10 Th, Tate Hall B85, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26483 423 LAB, 16:40-18:35 M, Tate Hall B63, In Person Term Based; Gregory Pawloski ; 4 cr.
- 26594 134 DIS, 09:05-09:55 Th, Vincent Hall 364, In Person Term Based; Ali Sulaiman ; 4 cr.
- 26595 135 LAB, 13:25-15:20 T, Tate Hall B63, In Person Term Based; Ali Sulaiman ; 4 cr.
- 26596 140 DIS, 09:05-09:55 Th, Ford Hall 170, In Person Term Based; Ali Sulaiman ; 4 cr.
- 26597 141 LAB, 09:05-11:00 F, Tate Hall B63, In Person Term Based; Ali Sulaiman ; 4 cr.
- 26598 522 DIS, 15:35-16:25 Th, Smith Hall 121, In Person Term Based; Ke Wang ; 4 cr.
- 26599 523 LAB, 11:15-13:10 W, Tate Hall B26, In Person Term Based; Ke Wang ; 4 cr.
- 26804 102 DIS, 08:00-08:50 Th, Ford Hall 155, In Person Term Based; Ali Sulaiman ; 4 cr.
- 26805 103 LAB, 09:05-11:00 M, Tate Hall B26, In Person Term Based; Ali Sulaiman ; 4 cr.
- 26806 136 DIS, 09:05-09:55 Th, Appleby Hall 303, In Person Term Based; Ali Sulaiman ; 4 cr.
- 26807 137 LAB, 11:15-13:10 W, Tate Hall B63, In Person Term Based; Ali Sulaiman ; 4 cr.
- 26808 512 DIS, 14:30-15:20 Th, Vincent Hall 20, In Person Term Based; Ke Wang ; 4 cr.
- 26809 513 LAB, 10:10-12:05 Th, Tate Hall B63, In Person Term Based; Ke Wang ; 4 cr.
- 26810 514 DIS, 14:30-15:20 Th, Smith Hall 121, In Person Term Based; Ke Wang ; 4 cr.
- 26811 515 LAB, 16:40-18:35 Th, Tate Hall B23, In Person Term Based; Ke Wang ; 4 cr.
- 26814 520 DIS, 15:35-16:25 Th, Folwell Hall 10, In Person Term Based; Ke Wang ; 4 cr.
- 26815 521 LAB, 12:20-14:15 M, Tate Hall B72, In Person Term Based; Ke Wang ; 4 cr.
- 26816 602 DIS, 19:15-20:05 M, Tate Hall 120, In Person Term Based; Vincent Noireaux ; 4 cr.
- 26817 603 LAB, 10:10-12:05 M, Tate Hall B23, In Person Term Based; Vincent Noireaux ; 4 cr.
- 26818 628 DIS, 20:15-21:05 M, Tate Hall 120, In Person Term Based; Vincent Noireaux ; 4 cr.
- 26819 629 LAB, 18:50-20:45 Th, Tate Hall B23, In Person Term Based; Vincent Noireaux ; 4 cr.
- 26831 526 DIS, 15:35-16:25 Th, Akerman Hall 313, In Person Term Based; Ke Wang ; 4 cr.
- 26832 527 LAB, 08:00-09:55 Th, Tate Hall B63, In Person Term Based; Ke Wang ; 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 equivalent PHYS,WI)
- 25521 100 LEC, 17:45-18:35 W, Room TBA, 08:00-08:50 MWF, Tate Hall B20, In Person Term Based; Clement Pryke ; 4 cr.
- 25522 102 DIS, 08:00-08:50 Th, Amundson Hall 104, In Person Term Based; Clement Pryke ; 4 cr.
- 25523 105 LAB, 14:30-16:25 T, Tate Hall B61, In Person Term Based; Clement Pryke ; 4 cr.
- 25524 106 DIS, 08:00-08:50 Th, Bruininks Hall 117, In Person Term Based; Clement Pryke ; 4 cr.
- 25525 107 LAB, 12:20-14:15 W, Tate Hall B61, In Person Term Based; Clement Pryke ; 4 cr.
- 25526 108 DIS, 08:00-08:50 Th, Tate Hall B55, In Person Term Based; Clement Pryke ; 4 cr.
- 25527 109 LAB, 14:30-16:25 Th, Tate Hall B61, In Person Term Based; Clement Pryke ; 4 cr.
- 25528 122 DIS, 09:05-09:55 Th, Mechanical Engineering 221, In Person Term Based; Clement Pryke ; 4 cr.
- 25529 123 LAB, 14:30-16:25 W, Tate Hall B61, In Person Term Based; Clement Pryke ; 4 cr.
- 25530 124 DIS, 09:05-09:55 Th, Amundson Hall 124, In Person Term Based; Clement Pryke ; 4 cr.
- 25531 125 LAB, 10:10-12:05 Th, Tate Hall B61, In Person Term Based; Clement Pryke ; 4 cr.
- 25982 120 DIS, 09:05-09:55 Th, Mechanical Engineering 25, In Person Term Based; Clement Pryke ; 4 cr.
- 25983 103 LAB, 12:20-14:15 M, Tate Hall B61, In Person Term Based; Clement Pryke ; 4 cr.
- 25984 104 DIS, 08:00-08:50 Th, Vincent Hall 213, In Person Term Based; Clement Pryke ; 4 cr.
- 25985 121 LAB, 14:30-16:25 M, Tate Hall B61, In Person Term Based; Clement Pryke ; 4 cr.
- 25986 202 DIS, 15:35-16:25 Th, Kolthoff Hall 139, In Person Term Based; Vlad Pribiag ; 4 cr.
- 25987 203 LAB, 08:00-09:55 T, Tate Hall B61, In Person Term Based; Vlad Pribiag ; 4 cr.
- 25988 204 DIS, 15:35-16:25 Th, Kolthoff Hall 140, In Person Term Based; Vlad Pribiag ; 4 cr.
- 25989 205 LAB, 12:20-14:15 T, Tate Hall B61, In Person Term Based; Vlad Pribiag ; 4 cr.
- 25990 206 DIS, 15:35-16:25 Th, Vincent Hall 364, In Person Term Based; Vlad Pribiag ; 4 cr.
- 25991 207 LAB, 08:00-09:55 W, Tate Hall B61, In Person Term Based; Vlad Pribiag ; 4 cr.
- 26222 200 LEC, 17:45-18:35 W, Room TBA, 15:35-16:25 MWF, Tate Hall B20, In Person Term Based; Vlad Pribiag ; 4 cr.
- 26281 222 DIS, 16:40-17:30 Th, Vincent Hall 364, In Person Term Based; Vlad Pribiag ; 4 cr.
- 26282 223 LAB, 16:40-18:35 M, Tate Hall B61, In Person Term Based; Vlad Pribiag ; 4 cr.
- 26283 224 DIS, 16:40-17:30 Th, Kolthoff Hall 134, In Person Term Based; Vlad Pribiag ; 4 cr.
- 26284 225 LAB, 10:10-12:05 T, Tate Hall B61, In Person Term Based; Vlad Pribiag ; 4 cr.
- 26602 226 DIS, 16:40-17:30 Th, Tate Hall B55, In Person Term Based; Vlad Pribiag ; 4 cr.
- 26603 227 LAB, 10:10-12:05 W, Tate Hall B61, In Person Term Based; Vlad Pribiag ; 4 cr.
- 1401V Honors Physics I**
(A-F only; Prereq: Honors program or with permission, Prereq or Concurrent: MATH 1271/1371/1571H or equivalent PHYS,WI)
- 23987 100 LEC, 11:15-12:05 MTWF, Tate Hall B20, In Person Term Based; Vuk Mandic ; 4 cr.
- 25673 101 DIS, 11:15-12:05 Th, Tate Hall B55, In Person Term Based; Vuk Mandic ; 4 cr.
- 25674 102 DIS, 12:20-13:10 Th, Tate Hall B55, In Person Term Based; Vuk Mandic ; 4 cr.
- 25675 302 LAB, 14:30-16:25 M, Tate Hall B82, In Person Term Based; Vuk Mandic ; 4 cr.
- 25679 304 LAB, 08:00-09:55 T, Tate Hall B82, In Person Term Based; Vuk Mandic ; 4 cr.
- 25680 305 LAB, 12:20-14:15 T, Tate Hall B82, In Person Term Based; Vuk Mandic ; 4 cr.
- 25682 308 LAB, 12:20-14:15 W, Tate Hall B82, In Person Term Based; Vuk Mandic ; 4 cr.
- 26771 301 LAB, 12:20-13:10 M, Tate Hall B82, In Person Term Based; Vuk Mandic ; 4 cr.
- 26772 306 LAB, 14:30-16:25 T, Tate Hall B82, In Person Term Based; Vuk Mandic ; 4 cr.
- 26841 105 DIS, 10:10-11:00 Th, Tate Hall B85, In Person Term Based; Vuk Mandic ; 4 cr.
- 2201 Introductory Thermodynamics and Statistical Physics**
(Student Option; Prereq: PHYS 1302W or equivalent)
- 25423 100 LEC, 09:05-09:55 MWF, Tate Hall B20, In Person Term Based; Joachim Mueller ; 4 cr.
- 26301 106 DIS, 13:25-14:15 T, Appleby Hall 223, In Person Term Based; Joachim Mueller ; 4 cr.
- 26302 102 DIS, 09:05-09:55 T, Ford Hall 155, In Person Term Based; Joachim Mueller ; 4 cr.
- 26303 103 DIS, 10:10-11:00 T, Ford Hall 155, In Person Term Based; Joachim Mueller ; 4 cr.
- 26304 104 DIS, 11:15-12:05 T, Bruininks Hall 512B, In Person Term Based; Joachim Mueller ; 4 cr.
- 26311 105 DIS, 12:20-13:10 T, Kolthoff Hall 139, In Person Term Based; Joachim Mueller ; 4 cr.
- 2503 Physics III: Intro to Waves, Optics, and Special Relativity**
(Student Option; Prereq: 1302W or equivalent)
- 24550 001 LEC, 15:35-16:25 MTWF, Tate Hall B50, In Person Term Based; Michael Zudov ; 4 cr.
- 2503H Honors Physics III**
(A-F only; Prereq: Honors program or with permission, PHYS 1402V or equivalent prereq: 1402V or 1502V, honors student or permission of University Honors Program or instr consent)
- 26011 001 LEC, 11:15-12:05 MTWF, Tate Hall B65, In Person Term Based; Yongzhong Qian ; 4 cr.
- 26012 002 DIS, 11:15-12:05 Th, Civil Engineering Bldg 188, In Person Term Based; 4 cr.
- 3022 Introduction to Cosmology**
(Student Option; Prereq: PHYS 2601)
- 26453 100 LEC, 11:15-12:30 TTh, Tate Hall 110, In Person Term Based; Tony Gherghetta ; 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)
- 24567 002 LAB, 12:20-15:20 MW, Tate Hall B80, In Person Term Based; Jon Anderson ; 4 cr.
- 3605W Modern Physics Laboratory**
(Student Option; Prerequisites: completion (or concurrent registration) in PHYS 2503 or 2503H,WI)
- 26297 100 LEC, 12:20-13:10 T, Tate Hall B85, In Person Term Based; Nadja Strobbe ; 3 cr.
- 26298 101 LAB, 10:10-13:10 Th, Tate Hall B40, In Person Term Based; Nadja Strobbe ; 3 cr.
- 26299 102 LAB, 15:35-18:35 T, Tate Hall B40, In Person Term Based; 3 cr.
- 26300 103 LAB, 15:35-18:35 M, Tate Hall B40, In Person Term Based; Nadja Strobbe ; 3 cr.
- 3993 Directed Studies**
(Student Option; Prereq: instr consent, dept consent)
- 24152 001 IND, 00:00-00:00 , In Person Term Based; 1-5 cr.
- 3994 Directed Research**

(Student Option; Prereq: instr consent, dept consent)
24156 001 IND, 00:00-00:00 , , In Person Term Based; 1-5 cr.

4001 Analytical Mechanics

(Student Option; Prerequisites developed as required. prereq: PHYS 2503/2503H or equivalent, PHYS 304)
25420 100 LEC, 13:25-14:15 MWF, Tate Hall 110, In Person Term Based; J Halley ; 4 cr.
25422 102 DIS, 12:20-13:10 T, Tate Hall B55, In Person Term Based; J Halley ; 4 cr.
25439 103 DIS, 13:25-14:15 T, Tate Hall B65, In Person Term Based; J Halley ; 4 cr.
25558 104 DIS, 13:25-14:15 T, Tate Hall B85, In Person Term Based; J Halley ; 4 cr.

4002 Electricity and Magnetism

(Student Option; Prereq: PHYS 3041, PHYS 2503/2503H or equivalent)
26290 001 LEC, 15:35-16:25 MWF, Tate Hall 110, In Person Term Based; Shaul Hanany ; 4 cr.
26291 002 DIS, 15:35-16:25 Th, Bruininks Hall 131B, In Person Term Based; Shaul Hanany ; 4 cr.

4041 Computational Methods in the Physical Sciences

(Student Option; Prereq: PHYS 3041)
25922 001 LEC, 08:00-08:50 MTWTh, Tate Hall B45, In Person Term Based; Meets With: 001 AST 4041; Jorge Vinals ; 4 cr.

4051 Methods of Experimental Physics I

(Student Option; Prereq or Concurrent PHYS 3605W, PHYS 3041)
23988 001 LEC, 14:30-15:20 MWF, Tate Hall 110, In Person Term Based; Alexander McLeod ; 5 cr.
23989 002 LAB, 10:10-12:05 MW, Tate Hall B30, In Person Term Based; Alexander McLeod ; 5 cr.
23990 003 LAB, 15:35-17:30 MW, Tate Hall B30, In Person Term Based; Alexander McLeod ; 5 cr.
23991 004 LAB, 09:05-11:00 TTh, Tate Hall B30, In Person Term Based; Alexander McLeod ; 5 cr.
25065 005 LAB, 14:30-16:25 TTh, Tate Hall B30-07, In Person Term Based; Alexander McLeod ; 5 cr.

4101 Quantum Mechanics

(Student Option; Prereq: PHYS 3041, PHYS 2601)
23992 001 LEC, 10:10-11:00 MWF, Tate Hall B65, In Person Term Based; Zhen Liu ; 4 cr.
24571 003 DIS, 10:10-11:00 T, Bruininks Hall 123, In Person Term Based; Zhen Liu ; 4 cr.
25672 004 DIS, 11:15-12:05 T, Tate Hall B55, In Person Term Based; Zhen Liu ; 4 cr.

4201 Statistical and Thermal Physics

(Student Option; Prereq: PHYS 3041, PHYS 2201, PHYS 2601)
24540 001 LEC, 11:15-12:05 MWF, Rapson Hall 43, In Person Term Based; Aleksey Cherman ; 3 cr.

4501 Experimental Project

(Student Option; Prereq: 4052, instr consent)
23993 001 IND, 00:00-00:00 , , In Person Term Based; 1-5 cr.

4511 Introduction to Nuclear and Particle Physics

(Student Option; Prereq: 4101)
26456 100 LEC, 09:05-09:55 MWF, Tate Hall B65, In Person Term Based; Andrew Furmanski ; 3 cr.

4623 Introduction to Modern Optics

(Student Option;)
26606 100 LEC, 09:45-11:00 TTh, Tate Hall 110, In Person Term Based; Meets With: 001 EE 4623; Joseph Talghader ; 3 cr.

4894 Thesis - Directed Research

(S-N or Audit;)
24573 001 IND, 00:00-00:00 , , In Person Term Based; Daniel Cronin-Hennessy ; 1-3 cr.

4993 Directed Studies

(Student Option; Prereq: instr consent)
25032 001 IND, 00:00-00:00 , , In Person Term Based; 1-5 cr.

4994 Directed Research

(Student Option; Prereq: instr consent)
25033 001 IND, 00:00-00:00 , , In Person Term Based; 1-5 cr.

5001 Quantum Mechanics I

(Student Option; Prereq: 4101 or equiv or instr consent)
24160 001 LEC, 09:05-09:55 MWF, Tate Hall B85, In Person Term Based; Oriol Valls ; 4 cr.
26305 002 DIS, 08:00-08:50 T, Tate Hall B85, In Person Term Based; Oriol Valls ; 4 cr.
26306 003 DIS, 09:05-09:55 T, Tate Hall B85, In Person Term Based; Oriol Valls ; 4 cr.

5011 Classical Physics I

(Student Option; Prereq: 4001, 4002 or instr consent)
24161 001 LEC, 10:10-11:00 MTWF, Tate Hall B85, In Person Term Based; Serge Rudaz ; 4 cr.

5072 Best Practices in College Physics Teaching

(Student Option;)
25276 001 DIS, 15:35-16:25 M, Tate Hall 201-20, In Person Term Based; Elias Puchner ; 1-3 cr.

5201 Thermal and Statistical Physics

(A-F or Audit; Prereq: [[4101, 4201] or equiv] previous exposure to thermodynamics, introductory statistical physics)
24570 001 LEC, 11:15-12:05 MWF, Tate Hall B85, In Person Term Based; Alex Kamenev ; 3 cr.

5750 Advanced Topics in Quantum Mechanics and Quantum Information

(Student Option;)
33772 100 LEC, 12:20-13:10 MWF, Vincent Hall 20, In Person Term Based; Fiona Burnell ; 3 cr.

5950 Colloquium Seminar

(S-N or Audit; Prereq: [Grad student or advanced undergrad in physics], dept consent)
24157 001 LEC, 15:35-16:45 Th, Tate Hall B50, In Person Term Based; 1 cr.

5980 Introduction to Research Seminar

(S-N or Audit; Prereq: Grad or upper div phys major)
24154 001 LEC, 16:40-17:30 F, Tate Hall B65, In Person Term Based; Zhen Liu ; 1 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent, dept consent)
24153 001 IND, 00:00-00:00 , , In Person Term Based; 1-5 cr.
26607 002 IND, In Person Term Based; 1-5 cr.

5994 Directed Research

(Student Option; Prereq: Jr, dept consent)
24155 001 IND, 00:00-00:00 , , In Person Term Based; 1-5 cr.
27015 002 IND, In Person Term Based; 1-5 cr.
27080 003 IND, In Person Term Based; 1-5 cr.
34894 004 IND, In Person Term Based; 1-5 cr.

Physiology (PHSL)

2041 Physiology and Medicine

(A-F only;)
28601 001 LEC, 13:25-14:15 TTh, Moos Health Sci Tower 2-580, In Person Term Based; Vincent Barnett ; 2 cr.

3051 Human Physiology

(Student Option; Prereq: [BIOL 1009 or 1 yr college biol], 1 yr college chem)
27435 001 LEC, 10:10-11:00 MWF, Mayo Bldg & Additions Auditor, In Person Term Based; Dalay Olson ; 4 cr.
27436 002 LAB, 08:00-09:55 T, Moos Health Sci Tower 3-110, In Person Term Based; Meets With: 004 PHSL 3051; Dalay Olson ; 4 cr.
27740 003 LAB, 10:10-12:05 T, Moos Health Sci Tower 3-110, In Person Term Based; Meets With: 005 PHSL 3051; Dalay Olson ; 4 cr.
27747 004 LAB, 08:00-09:55 T, Moos Health Sci Tower 3-110, In Person Term Based; Meets With: 002 PHSL 3051; Dalay Olson ; 4 cr.
27776 005 LAB, 10:10-12:05 T, Moos Health Sci Tower 3-110, In Person Term Based; Meets With: 003 PHSL 3051; Dalay Olson ; 4 cr.
27825 006 LAB, 12:20-14:15 W, Moos Health Sci Tower 3-110, In Person Term Based; Meets With: 007 PHSL 3051; Dalay Olson ; 4 cr.
27968 007 LAB, 12:20-14:15 W, Moos Health Sci Tower 3-110, In Person Term Based; Meets With: 006 PHSL 3051; Dalay Olson ; 4 cr.

3061 Principles of Physiology

(Student Option; Prereq: 1 year college chem and physics and math through integral calculus)

27432 001 LEC, 10:10-11:00 MWThF, Moos Health Sci Tower 2-650, In Person Term Based; Meets With: 001 PHSL 5061003 PHSL 3061002 PHSL 3061; Steven Wu ; 4 cr.
27793 002 LEC, 10:10-11:00 MWThF, Moos Health Sci Tower 2-650, In Person Term Based; Meets With: 001 PHSL 3061001 PHSL 5061003 PHSL 3061; Steven Wu ; 4 cr.
27842 003 LEC, 10:10-11:00 MWThF, Moos Health Sci Tower 2-650, In Person Term Based; Meets With: 001 PHSL 3061001 PHSL 5061002 PHSL 3061; Steven Wu ; 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))
27794 001 IND, 10:10-11:00 T, Moos Health Sci Tower 2-530, Independent/Directed Study; Vincent Barnett ; 1 cr.

3095 Problems in Physiology

(Student Option; Prereq: concurrent registration is required (or allowed) in college physiology, instr consent)
27762 001 IND, 00:00-00:00 , , In Person Term Based; Vincent Barnett ; 1-5 cr.

3701 Physiology Laboratory

(A-F or Audit; Prereq: Physiology major)
27724 002 LAB, 13:25-16:25 T, Moos Health Sci Tower 3-110, In Person Term Based; Meets With: 004 PHSL 3701; 2 cr.
27843 003 LAB, 13:25-16:25 M, Moos Health Sci Tower 3-110, In Person Term Based; Meets With: 001 PHSL 3701; 2 cr.
27844 004 LAB, 13:25-16:25 T, Moos Health Sci Tower 3-110, In Person Term Based; Meets With: 002 PHSL 3701; 2 cr.

4095H Honors Problems in Physiology

(A-F or Audit; Prereq: &3061, physiology honors candidate, approval of director of undergrad studies in physiology.)
27431 001 IND, 00:00-00:00 , , In Person Term Based; Vincent Barnett ; 2-4 cr.

4702 Cell Physiology

(A-F or Audit; Prereq: [3051 or 3061 or BIOL 3211], [CHEM 1022 or equiv], [MATH 1272 or equiv])
27906 001 LEC, 11:40-12:30 MWF, Haecker Hall 205, Partially Online; Meets With: 001 PHSL 5702001 ANSC 5702; Scott O'Grady ; 3 cr.

4900 Advanced Physiology Teaching Laboratory

(A-F only; Prereq: [3051 or [3061, 3071]], instr consent)
27845 001 LAB, 12:20-13:10 M, Moos Health Sci Tower 3-110, In Person Term Based; Lisa Anderson ; 1-6 cr.

5061 Principles of Physiology for Biomedical Engineering

(Student Option; Prereq: Biomedical engineering grad, one yr college chem and physics and math through integral calculus)
27433 001 LEC, 10:10-11:00 MWThF, Moos Health Sci Tower 2-650, In Person Term Based; Meets With: 003 PHSL 3061001 PHSL 3061002 PHSL 3061; Steven Wu ; 4 cr.
34366 002 LEC, 14:30-15:20 Th, No Room Required, 10:10-11:00 MWThF, AHC ROOM TBA, In Person Term Based; 4 cr.

5094 Research in Physiology

(Student Option; Prereq: instr consent)
27589 001 IND, 00:00-00:00 , , In Person Term Based; Vincent Barnett ; 1-5 cr.
27692 002 IND, 00:00-00:00 , , In Person Term Based; Vincent Barnett ; 1-5 cr.

5095 Problems in Physiology

(Student Option; Prereq: instr consent)
27434 001 IND, 00:00-00:00 , , In Person Term Based; 1-5 cr.
27693 002 IND, 00:00-00:00 , , In Person Term Based; Vincent Barnett ; 1-5 cr.

5096 Integrative Biology and Physiology Research Advances

(A-F only; Prereq: instr consent)
27917 001 LEC, 12:00-13:00 Th, No Room Required, In Person Term Based; DeWayne Townsend ; 1 cr.

5115 Clinical Physiology I

(A-F or Audit; Prereq: instr consent)
27750 001 LEC, 13:25-16:25 F, Phillips-Wangenstn Bldg
3-154, In Person Term Based; Lisa Anderson ; 3 cr.

5701 Physiology Laboratory

(A-F or Audit; Prereq: instr consent)
27725 001 LAB, 00:00-00:00 , , In Person Term Based; Lisa
Anderson ; 1-2 cr.

5702 Cell Physiology

(A-F only; Prereq: [Two semesters of physics/
chemistry, calculus, one semester of systems-level
physiology] or instr consent)
34482 001 LEC, 11:40-12:30 MWF, Haecker Hall 205,
Partially Online; Meets With: 001 ANSC 5702001 PHSL
4702; Scott O'Grady ; 4 cr.
34489 002 DIS, 11:40-12:30 T, Haecker Hall 265G, In
Person Term Based; Meets With: 002 ANSC 5702; 4 cr.

Plant Pathology (PLPA)**1005 Plants Get Sick Too**

(Student Option; BIOL)
22335 001 LEC, 17:10-18:00 T, Ruttan Hall B25, In Person
Term Based; James Kurlle, Megan McCaghey ; 4 cr.
22336 002 LAB, 18:15-20:10 T, Plant Growth Facility 136, In
Person Term Based; James Kurlle ; 4 cr.
22377 003 LAB, 15:00-16:55 W, Plant Growth Facility 136, In
Person Term Based; James Kurlle ; 4 cr.
22378 004 LAB, 15:00-16:55 Th, Plant Growth Facility 136,
In Person Term Based; James Kurlle ; 4 cr.

3993 Directed Study

(Student Option; Prereq: department consent,
instructor consent, no more than 6 credits of directed
study counts towards CFANS major requirements.)
34395 001 IND, In Person Term Based; Cory Hirsch ; 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)
22243 001 FWK, 00:00-00:00 , , In Person Term Based; Brett
Arenz ; 1-3 cr.

5202 Field Plant Pathology

(S-N only;)
34154 001 FWK, In Person Term Based; Brett Arenz ; 2 cr.

5301 Large Scale Omic Data in Plant Biology

(Student Option; Prereq: Intro course in genetics or
instr consent)
22372 001 LEC, Completely Online; Cory Hirsch ; 3 cr.

5303 Data Visualization in Plant and Microbial Biology

(Student Option; Prereq: Limited experience with R
software is recommended, but not required.)
22734 001 DIS, 09:00-11:30 W, McNeal Hall 146, In Person
Term Based; Cory Hirsch ; 3 cr.

5480 Principles of Plant Pathology

(Student Option; Prereq: BIOL 1009 or equiv)
22452 002 LAB, 10:30-12:35 M, Plant Growth Facility 136, In
Person Term Based; Brett Arenz ; 3 cr.
22453 001 LEC, 08:30-09:25 Th, Borlaug Hall 491, In
Person Term Based; Brett Arenz ; 3 cr.

Plant Science (PLSC)**3002 Seed Science, Technology, and Society**

(Student Option; Prereq: HORT 1001 or BIOL 1009 or
BIOL 2002 or consent of the instructor)
33061 001 LEC, 15:00-15:50 TTh, Hayes Hall A101, In
Person Term Based; Fawad Shah ; 2 cr.

3093 Directed Study

(Student Option; Prereq: department consent,
instructor consent, no more than 6 credits of directed
study counts towards CFANS major requirements.)
22792 001 IND, Completely Online; 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.)

22793 001 IND, Completely Online; 1-4 cr.

Plant and Microbial Biology (PMB)**3007W Plant, Algal, and Fungal Diversity and Adaptation**

(Student Option; Prereq: One semester college
biologyWI)
15767 001 LEC, 10:40-11:30 MW, Biological Sciences Ctr
64, In Person Term Based; David Moeller ; 4 cr.
15768 002 LAB, 08:30-10:25 MW, Plant Growth Facility 132,
In Person Term Based; 4 cr.
15769 003 LAB, 11:45-13:40 MW, Plant Growth Facility 132,
In Person Term Based; 4 cr.
15770 004 LAB, 13:55-15:50 MW, Plant Growth Facility 132,
In Person Term Based; 4 cr.

3212 Fungi - A Kingdom of Their Own

(A-F only; Prereq: Introductory Biology course)
16161 001 LEC, 13:00-14:15 TTh, Ruttan Hall 143, In
Person Term Based; Meets With: 001 PMB 5212; Jonathan
Schilling ; 3 cr.

4111 Microbial Physiology and Diversity

(Student Option; Prereq: MicB 3301 required; BioC
3021 or BioC 4331 recommended)
16086 001 LEC, 10:15-11:30 TTh, Alderman Hall 405, In
Person Term Based; Meets With: 001 PMB 5111; Daniel
Bond, Kyle Costa ; 3 cr.

4321 Minnesota Flora

(Student Option; Prereq: One semester college
biology)
33332 001 LEC, 11:45-12:35 T, Alderman Hall 415, In
Person Term Based; George Weiblen ; 3 cr.
33333 002 LAB, 09:30-11:30 TTh, Biological Sciences Ctr
176, In Person Term Based; George Weiblen ; 3 cr.
33334 003 LAB, 13:15-15:15 TTh, Biological Sciences Ctr
176, In Person Term Based; George Weiblen ; 3 cr.

4412 Plant Physiology and Development

(A-F only; Prerequisites for this course. The following
preparation is recommended: PMB 2022 General
Botany or PMB 3007W Plant Algal and Fungal
Diversity; General Chemistry and Introductory
Physics.)
16058 001 LEC, 13:00-14:15 MW, Ruttan Hall B25, In
Person Term Based; Meets With: 001 PMB 5412; Feng
Zhang ; 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)
15805 001 IND, 00:00-00:00 , , In Person Term Based; 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)
15806 001 IND, 00:00-00:00 , , In Person Term Based; 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.)
15764 001 IND, 00:00-00:00 , , In Person Term Based; 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.)
15765 001 IND, 00:00-00:00 , , In Person Term Based; 1-7
cr.
16092 002 IND, In Person Term Based; 1-7 cr.

5111 Microbial Physiology and Diversity

(Student Option;)
16087 001 LEC, 10:15-11:30 TTh, Alderman Hall 405, In
Person Term Based; Meets With: 001 PMB 4111; Daniel
Bond, Kyle Costa ; 3 cr.

5212 Fungi - A Kingdom of Their Own

(Student Option No Audit;)
16162 001 LEC, 13:00-14:15 TTh, Ruttan Hall 143, In
Person Term Based; Meets With: 001 PMB 3212; Jonathan
Schilling ; 3 cr.

5412 Plant Physiology and Development

(Student Option; Prerequisites for this course. The
following preparation is recommended: PMB 2022
General Botany or PMB 3007W Plant Algal and
Fungal Diversity; General Chemistry and Introductory
Physics.)
16059 001 LEC, 13:00-14:15 MW, Ruttan Hall B25, In
Person Term Based; Meets With: 001 PMB 4412; Feng
Zhang ; 3 cr.

Political Science (POL)**1001 American Democracy in a Changing World**

(Student Option; SOCS)
19000 001 LEC, 13:00-14:15 TTh, Anderson Hall 310, In
Person Term Based; Timothy Collins ; 3 cr.

1025 Global Politics

(Student Option; GP,SOCS)
18001 001 LEC, 09:45-11:00 TTh, Blegen Hall 5, In Person
Term Based; Ron Krebs ; 3 cr.

1026 U.S. Foreign Policy

(Student Option;)
20762 001 LEC, 08:15-09:30 TTh, Anderson Hall 230, In
Person Term Based; Tracey Blasenheim ; 3 cr.

1054 Politics Around the World

(Student Option; GP,SOCS)
17989 001 LEC, 11:15-12:30 TTh, Anderson Hall 210, In
Person Term Based; David Samuels ; 3 cr.

1201 Political Ideas

(Student Option; CIV,HIS)
17965 001 LEC, 09:45-11:00 WF, Anderson Hall 350, In
Person Term Based; Anurag Sinha ; 3 cr.

3080 Internship in Politics or Government

(A-F only; Prereq: instr consent, dept consent)
17964 001 FWK, 00:00-00:00 , , In Person Term Based; Paul
Soper ; 3-13 cr.

3085 Quantitative Analysis in Political Science

(A-F or Audit; MATH)
21040 001 LEC, 11:15-12:30 TTh, Blegen Hall 155, In
Person Term Based; Jane Sumner ; 4 cr.
21041 002 DIS, 15:00-15:50 Th, Blegen Hall 130, In Person
Term Based; Jane Sumner ; 4 cr.
21042 003 DIS, 16:00-16:50 Th, Blegen Hall 140, In Person
Term Based; Jane Sumner ; 4 cr.

3225 American Political Thought

(Student Option; Prereq: Suggested prerequisite POL
1201CIV)
19874 001 LEC, 13:00-14:15 MW, Mondale Hall 40, In
Person Term Based; Paul Soper ; 3 cr.

3235W Democracy and Citizenship

(Student Option; Prereq: Suggested prerequisite
1201CIV,WI)
20763 001 LEC, 14:30-15:45 TTh, Blegen Hall 317, In
Person Term Based; Arash Davari ; 3 cr.

3251W Power, Virtue, and Vice: Ancient and Early Modern Political Theory

(Student Option; WI)
32635 001 LEC, 11:15-12:30 MW, Blegen Hall 155, In
Person Term Based; Robert Nichols ; 3 cr.

3265 Ideas and Protest in French Postwar Thought

(Student Option; AH,CIV)
32636 001 LEC, 09:45-11:00 TTh, Blegen Hall 130, In
Person Term Based; Nancy Luxon ; 3 cr.

3306 Presidential Leadership and American Democracy

(Student Option;)
21750 001 LEC, 14:30-15:45 MW, Anderson Hall 330, In
Person Term Based; Timothy Collins ; 3 cr.

3308 Congressional Politics and Institutions

(Student Option; SOCS)
20764 001 LEC, 11:15-12:30 MW, Mondale Hall 40, In
Person Term Based; Michael Minta ; 3 cr.

3309 U.S. Supreme Court Decision-Making, Process, and Politics

(Student Option; Prerequisite: POL 1001)

32637 001 LEC, 09:45-11:00 TTh, Anderson Hall 210, In Person Term Based; Timothy Johnson ; 3 cr.

3323 Political Tolerance in the United States

(Student Option;)

33075 001 LEC, 13:00-14:15 TTh, West Bank Skyway 20, In Person Term Based; Kati Mohammad-Zadeh ; 3 cr.

3325 U.S. Campaigns and Elections

(A-F or Audit;)

32638 001 LEC, 11:15-12:30 TTh, Anderson Hall 370, In Person Term Based; Kathryn Pearson ; 3 cr.

3423 Politics of Disruption: Violence and Its Alternatives

(Student Option; GP)

32639 001 LEC, 09:45-11:00 MW, Blegen Hall 130, In Person Term Based; Anoop Sarbahi ; 3 cr.

3451W Politics and Society in the New Europe

(Student Option; GP,WI)

21776 001 LEC, 16:00-17:15 TTh, Hanson Hall 1-102, In Person Term Based; Kati Mohammad-Zadeh ; 3 cr.

3462 Politics of Race, Class, and Ethnicity

(Student Option;)

32640 001 LEC, 18:20-20:50 Th, Blegen Hall 120, In Person Term Based; August Nimtz ; 3 cr.

3489W Citizens, Consumers, and Corporations

(Student Option; CIV,WI)

34458 001 LEC, 18:20-20:50 T, Hanson Hall 1-111, In Person Term Based; Teri Caraway ; 3 cr.

3733 From Suffragettes to Senators: Gender, Politics & Policy in the U.S.

(A-F or Audit; DSJ)

32641 001 LEC, 14:30-15:45 TTh, Anderson Hall 330, In Person Term Based; Kathryn Pearson ; 3 cr.

3752 Chicana/o Politics

(Student Option; DSJ,SOCS)

32693 001 LEC, In Person Term Based; Meets With: 001 CHIC 3852; 3 cr.

3766 Political Psychology of Mass Behavior

(Student Option; SOCS)

34004 001 LEC, 16:00-17:15 MW, Blegen Hall 250, In Person Term Based; Ezekiel Wright ; 3 cr.

3786 Media and Politics

(Student Option;)

21184 001 LEC, 11:15-12:30 MW, Hubert H. Humphrey School 50B, In Person Term Based; Meets With: 001 JOUR 3786; Emily Vraga ; 3 cr.

3835 International Relations

(Student Option; GP,SOCS)

17963 001 LEC, 09:45-11:00 MW, Mondale Hall 40, In Person Term Based; Cosette Creamer ; 3 cr.

3994 Directed Research: Distinguished Undergraduate Research Program

(A-F only;)

20254 001 IND, 00:00-00:00 , , In Person Term Based; Teri Caraway ; 2 cr.

4255 Comparative Real Time Political Analysis: Marxist versus Liberal Perspectives

(Student Option; GP,HIS)

21120 001 LEC, 18:20-20:50 T, Blegen Hall 125, In Person Term Based; August Nimtz ; 3 cr.

4465 Democracy and Dictatorship in Southeast Asia

(Student Option; GP)

32643 001 LEC, 16:00-17:15 MW, Hubert H. Humphrey School 25, In Person Term Based; Meets With: 001 POL 5465; Teri Caraway ; 3 cr.

4478W Contemporary Politics in Africa and the Colonial Legacy

(Student Option; GP,WI)

21490 001 LEC, 14:30-15:45 MW, Blegen Hall 145, In Person Term Based; Meets With: 001 AFRO 4478W; Josef Woldense ; 3 cr.

4492 Law and (In)Justice in Latin America

(Student Option;)

32645 001 LEC, 09:45-11:00 TTh, Blegen Hall 155, In Person Term Based; Meets With: 001 POL 5492; Lisa Hilbink ; 3 cr.

4501W The Supreme Court and Constitutional Interpretation

(Student Option; CIV,WI)

32647 001 LEC, 08:15-09:30 TTh, Anderson Hall 210, In Person Term Based; Timothy Johnson ; 3 cr.

4885W International Conflict and Security

(Student Option; GP,WI)

32648 011 LEC, 18:20-20:50 W, Blegen Hall 155, In Person Term Based; Ron Krebs ; 3 cr.

4887 Thinking Strategically in International Politics

(Student Option; MATH)

32649 001 LEC, 13:00-14:15 TTh, Blegen Hall 120, In Person Term Based; James Hollyer ; 3 cr.

4991 Political Science Capstone

(A-F only;)

21048 001 LEC, 14:30-15:45 T, Anderson Hall 230, In Person Term Based; Lisa Hilbink ; 3 cr.

21493 002 DIS, 14:30-15:45 Th, Blegen Hall 140, In Person Term Based; Lisa Hilbink ; 3 cr.

21494 003 DIS, 14:30-15:45 Th, Blegen Hall 125, In Person Term Based; Sinan Silsupur ; 3 cr.

4993 Honors Thesis: Directed Studies

(A-F only;)

18745 001 IND, 00:00-00:00 , , In Person Term Based; 1-6 cr.

4994 Directed Research: Individual

(Student Option; Prerequisite instructor and department consent.)

18421 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

5465 Democracy and Dictatorship in Southeast Asia

(Student Option; GP)

32644 001 LEC, 16:00-17:15 MW, Hubert H. Humphrey School 25, In Person Term Based; Meets With: 001 POL 4465; Teri Caraway ; 3 cr.

5492 Law and (In)Justice in Latin America

(Student Option;)

32646 001 LEC, 09:45-11:00 TTh, Blegen Hall 155, In Person Term Based; Meets With: 001 POL 4492; Lisa Hilbink ; 3 cr.

5970 Individual Reading and Research

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

21273 001 IND, In Person Term Based; 1-4 cr.

Portuguese (PORT)

1022 Intensive Beginning Portuguese

(Student Option;)

34175 001 LEC, 09:05-09:55 MTWTh, Folwell Hall 123, In Person Term Based; Stephanie Anderson ; 6 cr.

1103 Intermediate Portuguese

(Student Option; Prereq: 1102 or instr consent)

21087 001 LEC, 09:05-09:55 MTWTh, Folwell Hall 122, Partially Online; Meets With: 001 PORT 4103; Thiago Santana ; 5 cr.

3001 Portuguese for Spanish Speakers

(Student Option; Prereq: SPAN LPE Pass)

19142 001 LEC, 12:20-14:15 MW, Folwell Hall 112, In Person Term Based; Meets With: 001 PORT 4001; Dora Dias ; 4 cr.

19727 002 LEC, 10:10-12:05 TTh, Peik Gymnasium G55, In Person Term Based; Dora Dias ; 4 cr.

3003 Portuguese Conversation and Composition

(Student Option; Prereq: 1104 or 3001 or Port LPE)

18065 001 DIS, 10:10-12:05 MW, Koltzoff Hall 137, In Person Term Based; Sophia Beal ; 4 cr.

3501W Global Portuguese: 1300-1900

(Student Option; Prereq: 3003WI)

32701 001 LEC, 09:45-11:00 TTh, Twin Cities Remote, Completely Online; Sandra Rellier ; 3 cr.

3800 Film Studies in Portuguese

(A-F or Audit; Prereq: 3003 or instr consent or dept consent)

33548 001 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Meets With: 001 PORT 5910; Ana Paula Ferreira ; 3 cr.

4001 Portuguese for Spanish Speakers and Graduate Student Research

(Student Option; Prereq: [SPAN 1004 or SPAN 1014 or SPAN 1044, SPAN LPE pass] or instr consent)

21986 001 LEC, 12:20-14:15 MW, Folwell Hall 112, In Person Term Based; Meets With: 001 PORT 3001; Dora Dias ; 4 cr.

5910 Topics in Lusophone Cultures and Literatures

(Student Option; Prereq: Grad student or instr consent)

34823 001 LEC, 11:15-12:30 TTh, Twin Cities Remote, Completely Online; Meets With: 001 PORT 3800; Ana Paula Ferreira ; 3 cr.

5993 Directed Studies

(Student Option; Prereq MA or PhD candidate, 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)

19445 001 IND, 00:00-00:00 , , Independent/Directed Study; Ana Paula Ferreira ; 1-4 cr.

20313 002 IND, 00:00-00:00 , , In Person Term Based; Sophia Beal ; 1-4 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)

18931 001 IND, 00:00-00:00 , , In Person Term Based; Jose Aguirre ; 1-4 cr.

Poultry Health (POUL)

5003 Poultry Diseases

(A-F only;)

34827 002 DIS, Completely Online; Carol Cardona ; 1 cr.

5013 Animal Welfare

(A-F only;)

34834 002 DIS, Completely Online; Carol Cardona ; 1 cr.

5016 Capstone in Molecular Technologies

(A-F or Audit;)

34466 001 DIS, In Person Term Based; Tim Johnson ; 1 cr.

5101 Living in a microbial world and raising animals: the poultry perspective

(A-F only;)

10472 001 DIS, Completely Online; Tim Johnson, Dawn Foster Harnett, Anup Kollanoor Johnny ; 3 cr.

5103 Poultry biosecurity: framework for healthy production

(A-F only;)

10474 001 DIS, Completely Online; Carol Cardona, Tim Johnson, Erin Cortus, Abby Schuft ; 3 cr.

Product Design (PDES)

2701 Creative Design Methods

(A-F only;)
15420 001 LEC, 10:10-12:05 TTh, Rapson Hall 56, In Person Term Based; Carlye Lauff ; 3 cr.

2702 Concept Sketching

(A-F only;)
15421 001 LEC, 15:35-17:30 MW, Rapson Hall 56, In Person Term Based; James Wilson ; 3 cr.
15575 002 LEC, 15:35-17:30 TTh, Rapson Hall 56, In Person Term Based; James Wilson ; 3 cr.
34245 004 LEC, 13:00-14:55 MW, Rapson Hall 56, In Person Term Based; James Wilson ; 3 cr.

2704 Concept Visualization and Presentation 2

(A-F only;)
15538 001 LAB, 12:20-14:15 MW, Rapson Hall 33, In Person Term Based; Ken Grant ; 3 cr.
15549 002 LAB, 12:20-14:15 TTh, Rapson Hall 33, In Person Term Based; Nicholas Schneider ; 3 cr.

2771 Product Design Studio 1

(A-F only;)
15537 001 LAB, 09:05-12:05 MW, Rapson Hall 31, In Person Term Based; Jason Quick ; 4 cr.
15581 002 LAB, 09:05-12:05 TTh, Rapson Hall 31, In Person Term Based; Jason Quick ; 4 cr.

3196 Product Design Internship

(S-N only; Prereq: PDes major)
15534 001 IND, In Person Term Based; Tejas Dhadphale ; 1-2 cr.

3704 Computer-Aided Design 1: Solid Modeling and Rendering

(A-F only;)
15550 001 LAB, 16:05-17:55 TTh, Rapson Hall 33, In Person Term Based; Meets With: 001 PDES5704; Gabriel Ruegg ; 3 cr.
15576 002 LAB, 18:20-20:10 TTh, Rapson Hall 33, In Person Term Based; Meets With: 002 PDES5704; Neal Barnes ; 3 cr.

3771 Product Design Studio 3

(A-F only;)
15551 001 LAB, 09:05-12:05 MW, Mechanical Engineering 25, In Person Term Based; Tejas Dhadphale ; 4 cr.
15642 002 LAB, 09:05-12:05 TTh, Mechanical Engineering 321, In Person Term Based; Ji Youn Shin ; 4 cr.

4193 Directed Study in Product Design

(A-F or Audit; Prereq: Undergrad, instr consent)
15577 002 IND, In Person Term Based; Ehsan Naderi ; 1-4 cr.

4701W Capstone Research Studio

(A-F only; WI)
15525 001 LEC, 12:20-13:10 M, Rapson Hall 259, 09:05-12:05 W, Rapson Hall 259, 10:10-12:05 M, Rapson Hall 259, In Person Term Based; Gabriel Ruegg, Carlye Lauff ; 4 cr.
33185 002 LEC, 12:20-13:10 M, Rapson Hall 58, 13:25-15:20 M, Rapson Hall 259, 12:20-15:20 W, Rapson Hall 259, In Person Term Based; Gabriel Ruegg, Carlye Lauff ; 4 cr.

5193 Directed Study in Product Design

(A-F or Audit; Prereq: Grad, instr consent)
34112 003 IND, In Person Term Based; Carlye Lauff ; 1-4 cr.
34113 004 IND, In Person Term Based; Thomas Oliphant ; 1-4 cr.

5702 Visual Communication

(A-F only;)
15671 001 LEC, 13:00-14:55 MW, Rapson Hall 56, In Person Term Based; James Wilson ; 3 cr.

5703 Prototyping Methods

(A-F only;)
15674 001 LAB, 09:05-12:05 MW, Rapson Hall 37, In Person Term Based; Quynh Akers ; 4 cr.

5704 Computer-Aided Design Methods

(A-F only; Prereq: Senior or grad student)
15552 001 LAB, 16:05-17:55 TTh, Rapson Hall 33, In Person Term Based; Meets With: 001 PDES3704; Gabriel Ruegg ; 3 cr.
15672 002 LAB, 18:20-20:10 TTh, Rapson Hall 33, In Person Term Based; Meets With: 002 PDES3704; Neal Barnes ; 3 cr.

1001 Introduction to Psychology

(Student Option; SOCS)
17968 001 LEC, 13:25-14:15 MWF, Willey Hall 175, In Person Term Based; Liza Meredith ; 4 cr.
17969 002 DIS, 10:10-11:00 M, Bruininks Hall 512A, In Person Term Based; Isaac Bazian ; 4 cr.
17970 003 DIS, 11:15-12:05 M, Bruininks Hall 512A, In Person Term Based; Reed Priest ; 4 cr.
17971 004 DIS, 14:30-15:20 M, Bruininks Hall 512A, In Person Term Based; Nga Do ; 4 cr.
17972 005 DIS, 10:10-11:00 T, Bruininks Hall 512A, In Person Term Based; Ziyu Ren ; 4 cr.
17973 006 DIS, 11:15-12:05 T, Bruininks Hall 512A, In Person Term Based; Edward Chou ; 4 cr.
17974 007 DIS, 13:25-14:15 T, Bruininks Hall 512A, In Person Term Based; Jessica Wang ; 4 cr.
17975 008 DIS, 14:30-15:20 T, Bruininks Hall 512A, In Person Term Based; Lauren Hopkins ; 4 cr.
17976 009 DIS, 09:05-09:55 W, Bruininks Hall 512B, In Person Term Based; Abigail Emich ; 4 cr.
17977 010 DIS, 10:10-11:00 W, Bruininks Hall 530B, In Person Term Based; Tao Jin ; 4 cr.
17978 011 DIS, 11:15-12:05 W, Bruininks Hall 530B, In Person Term Based; Tao Jin ; 4 cr.
17979 012 DIS, 14:30-15:20 W, Bruininks Hall 512A, In Person Term Based; Lina Huang ; 4 cr.
17980 013 DIS, 10:10-11:00 Th, Bruininks Hall 512A, In Person Term Based; Ziyu Ren ; 4 cr.
17981 014 DIS, 11:15-12:05 Th, Bruininks Hall 530B, In Person Term Based; Lina Huang ; 4 cr.
17982 015 DIS, 13:25-14:15 Th, Bruininks Hall 512A, In Person Term Based; Jessica Wang ; 4 cr.
17983 019 LEC, 00:00-00:00 , ONLINE, Completely Online; Liza Meredith ; 4 cr.
19658 020 DIS, Completely Online; Kendra vonHartzsch ; 4 cr.
19734 021 DIS, Completely Online; Kate McKinney ; 4 cr.
19905 022 DIS, Completely Online; Drew Brinker ; 4 cr.
20182 023 DIS, Completely Online; Bontu Deressa ; 4 cr.
20183 024 DIS, Completely Online; Shanze Hayee ; 4 cr.
20782 016 DIS, 14:30-15:20 Th, Bruininks Hall 512A, In Person Term Based; Reed Priest ; 4 cr.
21111 025 DIS, Completely Online; Kaliya Jones ; 4 cr.
21112 026 DIS, Completely Online; Diya Kalra ; 4 cr.
21113 027 DIS, Completely Online; Erin Rogers ; 4 cr.
21114 028 DIS, Completely Online; Hannah Klimas ; 4 cr.
21115 029 DIS, Completely Online; Emily Jania ; 4 cr.
21311 030 DIS, Completely Online; Abigail Reineke ; 4 cr.
21312 031 DIS, Completely Online; Natalee Kunkel ; 4 cr.
21777 032 DIS, Completely Online; Brooke Reardon ; 4 cr.
21969 033 DIS, Completely Online; Amit Sethi ; 4 cr.
21984 034 DIS, Completely Online; Rowan Wylie ; 4 cr.
21996 035 DIS, Completely Online; Rowan Wylie ; 4 cr.
22015 036 DIS, Completely Online; Andrea Beltran-Moore ; 4 cr.

1001H Honors Introduction to Psychology

(A-F only; Prereq: Honors.SOCS)
19036 001 LEC, Completely Online; Liza Meredith ; 4 cr.
19249 002 DIS, 10:10-11:00 WF, Bruininks Hall 512B, In Person Term Based; Liza Meredith ; 4 cr.
20844 003 DIS, 11:15-12:05 WF, Bruininks Hall 512B, In Person Term Based; Liza Meredith ; 4 cr.

1916 Race in Everyday Space

(A-F only; DSJ)
33129 001 DIS, 09:45-11:00 MW, Elliott Hall N639, In Person Term Based; Jieyi Cai ; 3 cr.

1926 Our Innovating Minds: Introducing the Cognitive and Brain Sciences of Individual and Group Creativity

(A-F only;)
33979 001 DIS, 14:30-17:15 W, Elliott Hall N639, In Person Term Based; Wilma Koutstaal ; 3 cr.

3001W Introduction to Research Methods

(Student Option; Prereq: [1001, [2801 or 3801 or equiv]] or dept consentWI)
19089 001 LEC, 10:10-11:00 MWF, Willey Hall 125, In Person Term Based; Mark Stellmack ; 4 cr.
19090 002 LAB, 11:15-12:30 W, Elliott Hall S150, In Person Term Based; Zi Gao ; 4 cr.
19091 003 LAB, 11:15-12:30 W, Elliott Hall S160, In Person Term Based; Rylee Brower ; 4 cr.
19092 004 LAB, 14:30-15:45 W, Elliott Hall S150, In Person Term Based; Flora Pollack ; 4 cr.
19093 005 LAB, 14:30-15:45 W, Elliott Hall S160, In Person Term Based; Jordan Arntz ; 4 cr.
19094 006 LAB, 09:45-11:00 Th, Elliott Hall S150, In Person Term Based; Matthew Rogers ; 4 cr.
19095 007 LAB, 09:45-11:00 Th, Elliott Hall S160, In Person Term Based; Allison Dai ; 4 cr.
19096 008 LAB, 13:00-14:15 W, Elliott Hall S150, In Person Term Based; Gavin Oliver ; 4 cr.

19097 009 LAB, 13:00-14:15 W, Elliott Hall S160, In Person Term Based; Annie Griebie ; 4 cr.
19211 010 LAB, 16:00-17:15 W, Elliott Hall S150, In Person Term Based; Joseph Conklin ; 4 cr.
19367 011 LAB, 16:00-17:15 W, Elliott Hall S160, In Person Term Based; Samantha McGurgan ; 4 cr.
19763 012 LAB, 12:00-13:15 Th, Elliott Hall S150, In Person Term Based; Vivien Lee ; 4 cr.
19764 013 LAB, 12:00-13:15 Th, Elliott Hall S160, In Person Term Based; Rachel Parent ; 4 cr.
20431 014 LEC, Completely Online; Penny Nichol ; 4 cr.

3011 Introduction to Learning and Behavior

(Student Option; Prereq: 1001)
19088 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Thomas Brothen ; 3 cr.

3031 Introduction to Sensation and Perception

(Student Option; Prereq: PSY 1001)
17988 001 LEC, Completely Online; Stephen Engel ; 3 cr.
21001 002 LAB, 14:30-15:45 W, Elliott Hall N119, In Person Term Based; Stephen Engel ; 3 cr.
21002 003 LAB, 13:00-14:15 Th, Elliott Hall N119, In Person Term Based; Stephen Engel ; 3 cr.
21003 004 LAB, 14:30-15:45 Th, Elliott Hall N119, In Person Term Based; Stephen Engel ; 3 cr.

3051 Introduction to Cognitive Psychology

(Student Option; Prereq: 1001)
17994 001 LEC, 09:45-11:00 TTh, , In Person Term Based; Meets With: 001 CGSC5051; Vanessa Lee ; 3 cr.
33691 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)
17995 001 LEC, 09:45-11:00 MW, Anderson Hall 370, In Person Term Based; Evan Knep ; 3 cr.

3101 Introduction to Personality

(Student Option; Prereq: 1001)
18389 001 LEC, 11:15-12:30 TTh, Willey Hall 125, In Person Term Based; Colin DeYoung ; 3 cr.

3201 Introduction to Social Psychology

(Student Option; Prereq: 1001 or instr consent)
18849 001 LEC, 14:30-15:45 TTh, Nicholson Hall 275, In Person Term Based; Molly Madzellan ; 3 cr.

3206 Introduction to Health Psychology

(Student Option; Prereq: 1001)
19339 001 LEC, 09:45-11:00 TTh, Rapson Hall 100, In Person Term Based; Traci Mann ; 3 cr.
33692 002 LEC, Completely Online; Caprice Niccoli-Waller ; 3 cr.

3301 Introduction to Cultural Psychology

(A-F or Audit; Prereq: 1001)
18778 001 LEC, 14:30-15:45 MW, Armory Building 116, In Person Term Based; Vanessa Anyanso ; 3 cr.

3511 Introduction to Counseling Psychology

(Student Option; Prereq: 1001)
19374 001 LEC, 08:15-09:30 MW, Molecular Cellular Biol 3-120, In Person Term Based; Victoria Wee ; 3 cr.

3604 Introduction to Abnormal Psychology

(Student Option; Prereq: 1001)
17996 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Bonnie Klimes-Dougan ; 3 cr.
17997 002 LEC, 13:00-14:15 WF, 10 Church Street SE 100, In Person Term Based; Shmuel Lissek ; 3 cr.

3617 Introduction to Clinical Psychology

(Student Option; Prereq: 3604 or 5604H)
17998 001 LEC, 17:00-19:30 M, Rapson Hall 45, In Person Term Based; Adrienne Manbeck ; 3 cr.

3666 Human Sexuality

(Student Option; Prereq: 1001)
19922 001 LEC, 09:45-11:00 M, Rapson Hall 45, Partially Online; Margaret Jaeger ; 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 psychologyMATH)
19023 001 LEC, 11:15-12:30 MW, 10 Church Street SE 100, In Person Term Based; Amanda Woodward ; 4 cr.
19024 002 LAB, 09:45-11:00 T, Burton Hall 123, In Person Term Based; Shaozhi Nie ; 4 cr.

Psychology (PSY)

19025 003 LAB, 13:00-14:15 T, Appleby Hall 3, In Person Term Based; Hoang Nguyen ; 4 cr.
 19327 004 LAB, 14:30-15:45 T, Elliott Hall N119, In Person Term Based; Nathan Torunsky ; 4 cr.
 20225 012 LEC, Completely Online; Penny Nichol ; 4 cr.
 21078 005 LAB, 16:00-17:15 W, Elliott Hall N119, In Person Term Based; Nga Do ; 4 cr.
 21079 006 LAB, 08:15-09:30 Th, Appleby Hall 11, In Person Term Based; Rina Hori ; 4 cr.
 21080 007 LAB, 09:45-11:00 Th, Appleby Hall 319, In Person Term Based; Robert Chapman ; 4 cr.
 21081 008 LAB, 13:00-14:15 Th, Akerman Hall 211, In Person Term Based; Robert Chapman ; 4 cr.
 21082 009 LAB, 14:30-15:45 Th, Elliott Hall N391, In Person Term Based; Chulin Chen ; 4 cr.
 21083 010 LAB, 09:45-11:00 F, Elliott Hall N391, In Person Term Based; Miles Christopher ; 4 cr.
 21084 011 LAB, 11:15-12:30 F, Elliott Hall N391, In Person Term Based; King Yiu Suen ; 4 cr.

3801H Honors Introduction to Psychological Measurement and Data Analysis

(A-F only; Prereq: [1001 or equiv], high school algebra, honors; intended for students who plan to major in psychology/MATH)
 19444 001 LEC, 11:15-12:30 MW, Elliott Hall N119, In Person Term Based; Katerina Marcoulides ; 4 cr.
 20621 002 LAB, 11:15-12:30 F, Elliott Hall N647, In Person Term Based; 4 cr.

3896 Internship in Psychology

(Student Option; Prereq: Psychology BA or BS major, Department Permission)
 20843 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)

20081 001 LEC, Completely Online; Meets With: 001 PSY 3902W001 PSY 3903W; Caprice Niccoli-Waller ; 3 cr.
 20082 002 LAB, Completely Online; Mo Nakamura ; 3 cr.
 20224 004 LAB, Completely Online; Tyler Sassenberg ; 3 cr.
 33674 005 LAB, 14:30-15:45 M, Elliott Hall S150, In Person Term Based; Sarah Volz ; 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)

18956 001 LEC, Completely Online; Meets With: 001 PSY 3901W001 PSY 3903W; Caprice Niccoli-Waller ; 3 cr.
 18957 002 LAB, Completely Online; Hyunsuk Lee ; 3 cr.
 18965 003 LAB, Completely Online; Hyunsuk Lee ; 3 cr.
 21975 004 LAB, 13:00-14:15 T, Elliott Hall S150, In Person Term Based; Samuel 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)

20084 001 LEC, Completely Online; Meets With: 001 PSY 3902W001 PSY 3901W; Caprice Niccoli-Waller ; 3 cr.
 20085 002 LAB, 11:15-12:30 Th, Elliott Hall N423, In Person Term Based; Joshua Braverman ; 3 cr.

3993 Directed Study

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

17999 001 IND, 00:00-00:00 , , In Person Term Based; 1-6 cr.

4032 Psychology of Music

(Student Option; Prereq: Grad or [jr or sr], [3011 or 3031 or 3051 or 3061]) or instr consent)

19893 001 LEC, 11:15-12:30 MW, Elliott Hall N391, In Person Term Based; Andrew Oxenham ; 3 cr.

4036 Perceptual Issues in Visual Impairment

(Student Option; Prereq: 1001 or instr consent)

31657 001 LEC, 13:30-16:00 Th, Elliott Hall S160, In Person Term Based; Gordon Legge ; 3 cr.

4501 Psychology of Women and Gender

(Student Option; Prereq: [Jr or sr], psych major] or instr consent)

19735 001 LEC, 11:15-12:30 TTh, Keller Hall 3-230, In Person Term Based; Theresa Glaser ; 3 cr.

4521 Psychology of Stress and Trauma

(A-F only; Prereq: PSY 1001 and 3001W or PSY 3001W or CPSY 3308W)

20785 001 LEC, Completely Online; Yuchen Liu ; 3 cr.

4960 Seminar in Psychology

(Student Option; Prereq: [1001, psych major] or instr consent)

21117 001 LEC, 09:45-11:00 TTh, Bruininks Hall 530A, In Person Term Based; Amanda Woodward ; 1-4 cr.

4993 Directed Research: Special Areas of Psychology and Related Sciences

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

18950 001 IND, 00:00-00:00 , , In Person Term Based; 1-6 cr.

20130 002 IND, 00:00-00:00 , , In Person Term Based; 1-6 cr.

5037 Psychology of Hearing

(Student Option; Prereq: Instructor permission)

21883 001 LEC, 13:00-14:15 TTh, Elliott Hall N639, In Person Term Based; Mark Stellmack ; 3 cr.

5038W Introduction to Neural Networks

(Student Option; Prereq: [[3061 or NSC 3102], [MATH 1282 or 2243]] or instr consentWI)

31654 001 LAB, 09:45-11:00 MW, Elliott Hall S204, In Person Term Based; Daniel Kersten ; 3 cr.

5062 Cognitive Neuropsychology

(Student Option; Prereq: Grad or [jr or sr], [3011 or 3031 or 3051 or 3061]) or instr consent)

33693 001 LEC, 10:10-12:40 F, Elliott Hall N119, In Person Term Based; Lisa Curry-Pochy ; 3 cr.

5137 Introduction to Behavioral Genetics

(Student Option; Prereq: 3001W or equiv or instr consent)

32880 001 LEC, 14:30-15:45 TTh, Campbell Hall 1, In Person Term Based; Matt Mc Gue ; 3 cr.

5703 Psychology of Organizational Training and Development

(Student Option; Prerequisites: PSY 3801 or equivalent)

31655 001 LEC, 11:15-14:00 T, Elliott Hall N227, In Person Term Based; Richard Landers ; 3 cr.

5862 Psychological Measurement: Theory and Methods

(Student Option; Prereq: 3801H or MATH 1271 or grad student)

18405 001 LEC, 13:00-14:15 MW, Elliott Hall N647, In Person Term Based; Niels Waller ; 3 cr.

5960 Topics in Psychology

(Student Option; Prereq: PSY 1001, [jr or sr or grad student])

33622 001 LEC, 14:30-15:45 TTh, Elliott Hall N639, In Person Term Based; Drexler James ; 1-4 cr.

34161 002 LEC, 13:00-14:15 WF, Elliott Hall N639, In Person Term Based; Nicola Grissom ; 1-4 cr.

5993 Research Laboratory in Psychology

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

19212 001 LAB, In Person Term Based; Eugene Borgida ; 3 cr.

19213 003 LAB, 00:00-00:00 , , In Person Term Based; Colin DeYoung ; 3 cr.

19214 005 LAB, 00:00-00:00 , , In Person Term Based; Christopher Federico ; 3 cr.

19215 006 LAB, 00:00-00:00 , , In Person Term Based; Charles Fletcher ; 3 cr.

19216 007 LAB, 09:00-10:00 F, Elliott Hall N555, In Person Term Based; Patricia Frazier ; 3 cr.

19218 009 LAB, 00:00-00:00 , , In Person Term Based; Marti Hope Gonzales ; 3 cr.

19219 010 LAB, 00:00-00:00 , , In Person Term Based; Nicola Grissom ; 3 cr.

19221 012 LAB, 00:00-00:00 , , In Person Term Based; Nathaniel Helwig ; 3 cr.

19222 014 LAB, In Person Term Based; Vanessa Lee ; 3 cr.

19223 015 LAB, 00:00-00:00 MW, Room TBA, In Person Term Based; Daniel Kersten ; 3 cr.

19224 017 LAB, In Person Term Based; Wilma Koutstaal ; 3 cr.

19225 018 LAB, 00:00-00:00 , , In Person Term Based; Robert Krueger ; 3 cr.

19226 019 LAB, 00:00-00:00 , , In Person Term Based; Nathan Kuncel ; 3 cr.

19227 020 LAB, In Person Term Based; Richard Landers ; 3 cr.

19228 021 LAB, 00:00-00:00 , , In Person Term Based; James Lee ; 3 cr.

19229 022 LAB, 11:30-12:30 MW, Elliott Hall N639, In Person Term Based; Rich Lee ; 3 cr.

19230 023 LAB, 00:00-00:00 , , In Person Term Based; Gordon Legge ; 3 cr.

19231 024 LAB, 15:00-16:00 Th, Elliott Hall N423, In Person Term Based; Shmuel Lissek ; 3 cr.

19232 025 LAB, 00:00-00:00 , , In Person Term Based; Monica Luciana ; 3 cr.

19233 026 LAB, 16:00-17:30 W, Elliott Hall N423, In Person Term Based; Angus MacDonald ; 3 cr.

19234 027 LAB, 00:00-00:00 , , In Person Term Based; Traci Mann ; 3 cr.

19237 030 LAB, 10:00-12:00 M, Elliott Hall S160, In Person Term Based; Penny Nichol ; 3 cr.

19238 032 LAB, 00:00-00:00 , , In Person Term Based; Deniz Ones ; 3 cr.

19239 033 LAB, 00:00-00:00 , , In Person Term Based; Andrew Oxenham ; 3 cr.

19240 034 LAB, 00:00-00:00 , , In Person Term Based; Alexander Rothman ; 3 cr.

19241 036 LAB, 00:00-00:00 , , In Person Term Based; Aaron Schmidt ; 3 cr.

19319 004 LAB, 00:00-00:00 , , In Person Term Based; Stephen Engel ; 3 cr.

19320 035 LAB, 00:00-00:00 , , In Person Term Based; Paul Sackett ; 3 cr.

19350 037 LAB, 00:00-00:00 , , In Person Term Based; Paul Schrater ; 3 cr.

19468 038 LAB, 00:00-00:00 , , In Person Term Based; Jeff Simpson ; 3 cr.

19473 039 LAB, In Person Term Based; Mark Snyder ; 3 cr.

19476 040 LAB, In Person Term Based; Mark Stellmack ; 3 cr.

19671 041 LAB, In Person Term Based; Moin Syed ; 3 cr.

19897 016 LAB, In Person Term Based; Bonnie Klimes-Dougan ; 3 cr.

20508 042 LAB, In Person Term Based; Iris Donga Vilares ; 3 cr.

20522 043 LAB, In Person Term Based; Scott Vrieze ; 3 cr.

20661 044 LAB, In Person Term Based; Niels Waller ; 3 cr.

20721 045 LAB, In Person Term Based; David Weiss ; 3 cr.

20981 013 LAB, In Person Term Based; William Iacono ; 3 cr.

20982 031 LAB, In Person Term Based; Cheryl Olman ; 3 cr.

21297 047 LAB, In Person Term Based; Katerina Marcoulides ; 3 cr.

21327 048 LAB, In Person Term Based; Matt Mc Gue ; 3 cr.

32534 049 LAB, 15:00-16:15 TTh, Elliott Hall S150, In Person Term Based; Amanda Woodward ; 3 cr.

33688 050 LAB, In Person Term Based; Juan Del Toro ; 3 cr.

33689 051 LAB, In Person Term Based; Drexler James ; 3 cr.

Public Affairs (PA)

1401 Public Affairs: Community Organizing Skills for Public Action

(A-F only; CIV)

23791 001 LEC, 13:00-14:15 TTh, Blegen Hall 240, In Person Term Based; Dennis Donovan ; 3 cr.

3002 Basic Methods of Policy Analysis

(A-F or Audit; SOCS)

23775 001 LEC, 13:00-14:15 MW, Twin Cities Remote, Completely Online; Alejandra Diaz ; 3 cr.

3003 Nonprofit and Public Financial Management

(A-F or Audit; Prereq: Jr or sr)

32901 001 LEC, 16:40-19:25 Th, Blegen Hall 415, In Person Term Based; Wenchen Wang ; 3 cr.

3969 Survey of Election Administration

(Student Option No Audit;)

23803 001 LEC, Completely Online; Meets With: 001 PA 5971; 3 cr.

3973 Strategic Management of Election Administration

(Student Option No Audit;)

23843 001 LEC, Completely Online; Meets With: 001 PA 5973; Larry Jacobs ; 2 cr.

3976 Voter Participation

(Student Option No Audit;)

32700 001 LEC, Completely Online; Meets With: 001 PA 5976; 1 cr.

3985 Physical Election Security

(Student Option No Audit;)

23847 001 LEC, Completely Online; Meets With: 001 PA 5985; Jennifer Morrell ; 2 cr.

4101 Nonprofit Management and Governance

(Student Option;)
23761 001 LEC, 17:30-20:15 T, Blegen Hall 415, In Person Term Based; Kabo Yang ; 3 cr.

4200 Urban and Regional Planning

(Student Option;)
23757 001 LEC, 16:00-17:15 TTh, Blegen Hall 230, In Person Term Based; Frank Douma ; 3 cr.

5002 Introduction to Policy Analysis

(A-F or Audit;)
23758 001 LEC, 08:15-09:30 TTh, Hubert H. Humphrey School 184, In Person Term Based; Robin Phinney ; 1.5 cr.
23782 002 LEC, 18:00-20:45 M, Twin Cities Remote, Completely Online; Robin Phinney ; 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)
23744 001 LEC, 18:00-20:45 M, Hubert H. Humphrey School 60, In Person Term Based; P. Jay Kiedrowski ; 1.5 cr.
23745 002 LEC, 16:00-17:15 TTh, Hubert H. Humphrey School 60, In Person Term Based; Merlene-Patrice Quispe ; 1.5 cr.

5004 Introduction to Planning

(A-F or Audit; Prereq: Major/minor in urban/regional planning or instr consent)
23743 001 LEC, 09:45-11:00 MW, Blegen Hall 215, In Person Term Based; Ryan Allen ; 3 cr.

5011 Management of Organizations

(A-F or Audit;)
32902 002 LEC, 16:00-17:15 TTh, Twin Cities Remote, Completely Online; Carrie Oelberger ; 3 cr.

5012 The Politics of Public Affairs

(A-F or Audit;)
23765 001 LEC, 13:00-14:15 TTh, Blegen Hall 150, In Person Term Based; Larry Jacobs ; 3 cr.

5013 Law and Urban Land Use

(A-F or Audit; Prereq: Major or minor in urban/regional planning or instr consent)
23741 001 LEC, 18:00-20:45 T, Hubert H. Humphrey School 25, In Person Term Based; Samuel Rockwell ; 1.5 cr.

5021 Microeconomics for Policy Analysis

(A-F or Audit;)
23759 003 LEC, 09:45-11:00 MW, Hubert H. Humphrey School 25, In Person Term Based; Maria Hanratty ; 3 cr.
23783 001 LEC, 13:00-14:15 MW, Blegen Hall 415, In Person Term Based; Judy Temple ; 3 cr.
23849 002 DIS, 12:45-13:35 F, Hubert H. Humphrey School 25, In Person Term Based; Judy Temple ; 3 cr.
23850 004 DIS, 11:15-12:05 F, Hubert H. Humphrey School 25, In Person Term Based; Maria Hanratty ; 3 cr.

5031 Statistics for Public Affairs

(A-F or Audit;)
23738 001 LEC, 11:15-12:30 TTh, Anderson Hall 230, Partially Online; Angie Fertig ; 4 cr.
23739 002 LAB, 09:45-11:00 F, Hubert H. Humphrey School 85, In Person Term Based; Angie Fertig ; 4 cr.
23740 003 LAB, 11:15-12:30 F, Hubert H. Humphrey School 85, In Person Term Based; Angie Fertig ; 4 cr.
23808 004 LAB, 12:45-14:00 F, Twin Cities Remote, Completely Online; Angie Fertig ; 4 cr.
34471 005 LAB, 14:15-15:30 F, Hubert H. Humphrey School 85, In Person Term Based; Angie Fertig ; 4 cr.

5041 Qualitative Methods for Policy Analysts

(A-F only;)
23768 001 LEC, 16:00-17:50 M, Hubert H. Humphrey School 60, In Person Term Based; Dipali Mukhopadhyay ; 4 cr.
23769 002 LAB, 16:40-17:40 W, Hubert H. Humphrey School 60, In Person Term Based; Dipali Mukhopadhyay ; 4 cr.

5045 Statistics for Public Affairs, Accelerated

(A-F or Audit;)
23809 001 LEC, 09:45-11:00 F, Hubert H. Humphrey School 35, 11:15-12:30 TTh, Hubert H. Humphrey School 35, In Person Term Based; Gabriel Chan ; 4 cr.
23810 002 LAB, 08:15-09:30 F, Hubert H. Humphrey School 85, In Person Term Based; Gabriel Chan ; 4 cr.

5051 Leadership Foundations

(A-F only; Prereq: Major in public affairs (cohort) or public affairs certificate (cohort); 5051-5052 must be taken in same academic yr)

23771 001 LEC, 08:30-16:30 ThFsa, 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, Partially Online; Kevin Gerdes ; 2 cr.

5053 Policy Analysis in Public Affairs

(A-F only; Prereq: Major in public affairs (cohort) or public affairs certificate (cohort); 5053-5054 must be taken in same academic yr)

23772 001 LEC, In Person Term Based; Bonnie Keeler ; 2 cr.

5055 Qualitative 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])

23773 001 LAB, In Person Term Based; Shahrin Upoma ; 2 cr.

5080 Capstone Preparation Workshop

(S-N only;)
23799 001 LEC, 14:00-16:00 F, Twin Cities Remote, Completely Online; Meets With: 001 MDP 5100; Kevin Gerdes ; 1 cr.

5101 Management and Governance of Nonprofit Organizations

(Student Option; Prereq: Grad student or instr consent)
23805 001 LEC, 17:45-20:30 W, Hubert H. Humphrey School 25, In Person Term Based; Michael Wirth-Davis ; 3 cr.

5105 Integrative Leadership: Leading Across Sectors to Address Grand Challenges

(Student Option No Audit;)
23820 001 LEC, 18:00-20:45 W, Carlson School of Mgmt L-114, In Person Term Based; Meets With: 001 OLPD 6402060 MGMT 6402001 PUBH 6702001 LAW 6623; David Weerts, Myles Shaver ; 3 cr.

5135 Managing Conflict: Negotiation

(A-F only;)
23792 001 LEC, 18:00-20:45 M, Hubert H. Humphrey School 15, In Person Term Based; Takeo Kuwabara ; 3 cr.

5205 Statistics for Planning

(A-F only;)
23811 001 LEC, 11:15-12:30 TTh, Hubert H. Humphrey School 25, In Person Term Based; Jason Cao ; 4 cr.
23812 002 LAB, 09:45-11:00 Th, Hubert H. Humphrey School 85, In Person Term Based; Jason Cao ; 4 cr.
23813 003 LAB, 14:30-15:45 T, Hubert H. Humphrey School 85, In Person Term Based; Jason Cao ; 4 cr.

5206 The City of White Supremacy

(Student Option;)
23856 001 LEC, 13:00-14:15 TTh, Hubert H. Humphrey School 25, In Person Term Based; Edward Goetz ; 3 cr.

5211 Land Use Planning

(A-F only; Prereq: Major or minor in urban/regional planning or instr consent)
23763 001 LEC, 18:00-20:45 Th, Hubert H. Humphrey School 25, In Person Term Based; Fernando Burga ; 3 cr.

5231 Transit Planning and Management

(Student Option; Prereq: Grad student or instr consent)
32564 001 LEC, 08:15-09:30 TTh, Hubert H. Humphrey School 25, In Person Term Based; Meets With: 001 CEGE 5213; Jason Cao ; 3 cr.

5232 Transportation Policy, Planning, and Deployment

(Student Option;)
23839 001 LEC, 18:00-20:45 M, Hubert H. Humphrey School 20, In Person Term Based; Meets With: 001 CEGE 5212; Frank Douma ; 3 cr.

5242 Environmental Planning, Policy, and Decision Making

(Student Option; Prereq: Grad or instr consent)
23837 001 LEC, 14:30-15:45 TTh, Hubert H. Humphrey School 35, In Person Term Based; Fayola Jacobs ; 3 cr.

5243 Environmental Justice in Urban Planning & Public Policy

(A-F or Audit;)
23838 001 LEC, 18:00-20:45 W, Hubert H. Humphrey School 15, In Person Term Based; Fayola Jacobs ; 3 cr.

5262 Neighborhood Revitalization Theories and Strategies

(Student Option No Audit;)
23824 001 LEC, 16:00-17:15 MW, Blegen Hall 145, In Person Term Based; William Delaney, Shannon Jones ; 3 cr.

5271 Geographic Information Systems: Applications in Planning and Policy Analysis

(Student Option; Prereq: Major in urban/regional planning or instr consent)
23762 001 LAB, 18:00-20:45 W, Hubert H. Humphrey School 85, In Person Term Based; Rebecca Walker ; 3 cr.

5290 Topics in Planning

(Student Option;)
32709 003 LEC, 13:00-14:15 MW, Hubert H. Humphrey School 35, In Person Term Based; Edward Goetz ; 0.5-4 cr.

5301 Population Methods & Issues for the United States & Global South

(Student Option; Prereq: Grad student or instr consent)
23807 001 LEC, 08:15-09:30 TTh, Hubert H. Humphrey School 35, In Person Term Based; J. David Hacker ; 3 cr.

5311 Program Evaluation

(A-F only;)
23806 001 LEC, 12:30-15:15 F, Hubert H. Humphrey School 15, 12:30-15:15 F, Hubert H. Humphrey School 15, 12:30-15:15 F, Hubert H. Humphrey School 15, 12:30-15:15 F, Hubert H. Humphrey School 15, 12:30-15:15 F, Hubert H. Humphrey School 15, 12:30-15:15 F, Hubert H. Humphrey School 15, 12:30-15:15 F, Hubert H. Humphrey School 15, Partially Online; Weston Merrick ; 3 cr.

5390 Topics in Advanced Policy Analysis Methods

(Student Option;)
34897 001 LEC, In Person Term Based; 1-4 cr.
34898 002 LEC, In Person Term Based; ; 1-4 cr.

5401 Poverty, Inequality, and Public Policy

(Student Option; Prereq: Grad or instr consent)
23764 001 LEC, 16:00-17:15 MW, Hubert H. Humphrey School 184, In Person Term Based; Maria Hanratty ; 3 cr.

5421 Racial Inequality and Public Policy

(Student Option No Audit; Prereq: Grad or instr consent)
32794 001 LEC, 13:00-15:45 W, Twin Cities Remote, Completely Online; Samuel Myers ; 3 cr.

5431 Public Policies on Work and Pay

(Student Option; Prereq: [IPA 5031 or equiv], grad student or instr consent)
33694 001 LEC, 18:00-20:45 T, Carlson School of Mgmt 2-219, In Person Term Based; Meets With: 060 HRIR 5655; Noah Wexler ; 3 cr.

5501 Theories and Policies of Development

(Student Option; Prereq: Grad student or instr consent)
23800 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 184, In Person Term Based; Vanessa Voller ; 3 cr.

5503 Economics of Development

(A-F or Audit; Prereq: PA 5501 or concurrent registration is required (or allowed) in PA 5501)
23779 001 LEC, 14:30-15:45 TTh, Hubert H. Humphrey School 20, In Person Term Based; Ragui Assaad ; 3 cr.

5512 Workforce and Economic Development

(A-F or Audit; Prereq: Grad or instructor consent)
32882 001 LEC, 18:00-20:45 T, Hubert H. Humphrey School 20, In Person Term Based; Neal Young ; 3 cr.

5601 Global Survey of Gender and Public Policy

(Student Option;)
23828 001 LEC, 16:00-17:15 MW, Hubert H. Humphrey School 15, In Person Term Based; Meets With: 001 PA 8601; Christina Ewig ; 3 cr.

5622 GAINS: Gender and Intersectional Network Series, Leadership Workshop I (S-N only;)

32761 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, 14:15-17:00 F, Hubert H. Humphrey School 35, In Person Term Based; Christina Ewig ; 0.5-1 cr.

5631 LGBTQ Politics & Policy (A-F only;)

33713 001 LEC, 16:00-17:15 TTh, Hubert H. Humphrey School 15, In Person Term Based; Tia Sheree Gaynor ; 1.5 cr.

5711 Science, Technology & Environmental Policy (Student Option;)

23766 001 LEC, 16:00-17:15 TTh, Hubert H. Humphrey School 35, In Person Term Based; Elise Harrington ; 3 cr.

5715 Deliberating Science, Technology, and Environmental Policy (A-F only;)

32667 001 LEC, 16:00-17:15 W, Hubert H. Humphrey School 50A, In Person Term Based; Bhavin Pradhan ; 1.5 cr.
32815 002 LEC, 09:45-11:00 W, Hubert H. Humphrey School 15, In Person Term Based; Elise Harrington ; 1.5 cr.

5722 Economics of Environmental Policy (Student Option;)

23833 001 LEC, 14:30-15:45 MW, Blegen Hall 155, In Person Term Based; Bonnie Keeler ; 3 cr.

5724 Climate Change Policy (Student Option; Prereq: Intro microecon (such as Econ 1101 or equiv))

23832 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 20, In Person Term Based; Gabriel Chan ; 3 cr.

5771 Change Leadership for Environmental, Social and Governance Action (Student Option No Audit;)

32811 001 LEC, 18:00-20:45 Th, Blegen Hall 235, In Person Term Based; Steve Kelley, Laura Bishop ; 3 cr.

5813 US Foreign Policy: Issues and Institutions (Student Option No Audit;)

23795 001 LEC, 14:30-15:45 MW, Hubert H. Humphrey School 20, In Person Term Based; Mary Curtin ; 3 cr.

5826 National Security Policy (Student Option;)

23823 001 LEC, 18:00-20:45 Th, Hubert H. Humphrey School 20, In Person Term Based; Steven Andreasen ; 3 cr.

5885 Human Rights Policy: Issues and Actors (Student Option;)

23822 001 LEC, 13:00-14:15 MW, Hubert H. Humphrey School 60, In Person Term Based; Amelia Shindelar ; 3 cr.

5886 Master of Human Rights Cohort Seminar I (S-N only; Prereq: First-year MHR)

23796 001 LEC, 14:30-16:25 T, Hubert H. Humphrey School 50A, 14:30-16:25 T, Hubert H. Humphrey School 50A, 14:30-16:25 T, Hubert H. Humphrey School 50A, 14:30-16:25 T, Hubert H. Humphrey School 50A, 14:30-16:25 T, Hubert H. Humphrey School 50A, 14:30-16:25 T, Hubert H. Humphrey School 50A, 14:30-16:25 T, Hubert H. Humphrey School 50A, 14:30-16:25 T, Hubert H. Humphrey School 50A, In Person Term Based; Janet Walsh ; 1 cr.

5890 Topics in Foreign Policy and International Affairs (Student Option;)

32973 001 LEC, 11:15-12:30 MW, Hubert H. Humphrey School 35, In Person Term Based; Diana Quintero ; 0.5-5 cr.
33069 002 LEC, 15:00-20:00 F, Hubert H. Humphrey School 25, 08:00-17:00 Sa, Hubert H. Humphrey School 25, In Person Term Based; Mary Curtin ; 0.5-5 cr.
33864 003 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 35, In Person Term Based; Dipali Mukhopadhyay ; 0.5-5 cr.

5910 Developing Your Public Service Career (S-N or Audit;)

23760 001 LEC, 11:15-12:30 M, Hubert H. Humphrey School 25, In Person Term Based; Amber Bieneck Thom ; 1 cr.

5920 Skills Workshop (Student Option;)

32541 004 LEC, 08:30-17:00 Sa, Twin Cities Remote, 08:30-17:00 Sa, Twin Cities Remote, Completely Online; Joseph Bauerkemper ; 0.5-4 cr.
34404 001 LEC, 09:00-16:30 Sa, Hubert H. Humphrey School 15, In Person Term Based; John Bryson ; 0.5-4 cr.

5926 Presentation Skills: How to Inspire Your Audience and Change the World (Student Option No Audit;)

31656 001 LEC, 11:15-12:30 W, Hubert H. Humphrey School 25, In Person Term Based; Gwendolyn Freed ; 1 cr.

5929 Data Visualization: Telling Stories with Numbers (Student Option;)

23797 001 LAB, 16:00-17:15 TTh, Hubert H. Humphrey School 85, 13:00-16:00 Sa, Hubert H. Humphrey School 85, In Person Term Based; Audrey Dorelien ; 2 cr.

5932 Working with Data: Finding, Managing, and Using Data (Student Option;)

23851 001 LAB, 11:15-12:30 MW, Hubert H. Humphrey School 85, In Person Term Based; Yi Wang ; 1.5 cr.

5933 Survey Methods: Designing Effective Questionnaires (A-F only;)

31658 001 LEC, 11:15-12:55 M, Hubert H. Humphrey School 30, In Person Term Based; Deborah Levison ; 2 cr.

5934 HPAR - Humphrey Public Affairs Review Board Seminar (S-N only;)

23826 001 LEC, 16:00-17:15 T, Hubert H. Humphrey School 50A, 16:00-17:15 T, Hubert H. Humphrey School 50A, 16:00-17:15 T, Hubert H. Humphrey School 50A, 16:00-17:15 T, Hubert H. Humphrey School 50A, 16:00-17:15 T, Hubert H. Humphrey School 50A, 16:00-17:15 T, Hubert H. Humphrey School 50A, 16:00-17:15 T, Hubert H. Humphrey School 50A, In Person Term Based; Judy Temple ; 1.5 cr.

5951 Humphrey International Fellows Seminar (S-N only;)

23798 001 LEC, 09:00-12:00 TTh, Hubert H. Humphrey School 186, In Person Term Based; Janet Walsh, Emily Opara ; 1 cr.

5971 Survey of Election Administration (Student Option No Audit;)

23801 001 LEC, Completely Online; Meets With: 001 PA 3969; 3 cr.

5973 Strategic Management of Election Administration (Student Option No Audit;)

23844 001 LEC, Completely Online; Meets With: 001 PA 3973; Larry Jacobs ; 2 cr.

5976 Voter Participation (Student Option No Audit;)

32696 001 LEC, Completely Online; Meets With: 001 PA 3976; 1 cr.

5985 Physical Election Security (Student Option No Audit;)

23848 001 LEC, Completely Online; Meets With: 001 PA 3985; Jennifer Morrell ; 2 cr.

Public Health (PUBH)**1001 Success Over Stress (SOS) (Student Option; Prereq: Undergrad or PSEO student)**

29654 001 LEC, Completely Online; Sarah Keene ; 1 cr.
29655 002 LEC, Completely Online; Sarah Keene ; 1 cr.

1002 Personal Technology and Wellbeing (Student Option; Prerequisite: Undergraduate or PSEO student.)

29774 001 LEC, Completely Online; Laurie Lucachick ; 1 cr.
29782 002 LEC, Completely Online; Laurie Lucachick ; 1 cr.

1003 Alcohol and College Life (ACL) (Student Option; Prereq: Undergrad or PSEO student.)

29449 001 LEC, Completely Online; Laurie Lucachick ; 1 cr.
29652 002 LEC, Completely Online; Laurie Lucachick ; 1 cr.

1004 Sexuality Matters (Student Option; Prereq: Undergrad or PSEO student)

29665 001 LEC, Completely Online; Emily Matson ; 1 cr.
29677 002 LEC, Completely Online; Emily Matson ; 1 cr.

1005 Sleep, Eat, and Exercise (Student Option; Prereq: [Undergrad or PSEO] student)

29615 001 LEC, Completely Online; Lindsey Poquette ; 1 cr.
29616 002 LEC, Completely Online; Lindsey Poquette ; 1 cr.

3001 Personal and Community Health (Student Option;)

29415 001 LEC, 12:20-13:10 MW, Phillips-Wangenstn Bldg 2-470, In Person Term Based; Christine Kunitz ; 2 cr.

3003 Fundamentals of Alcohol and Drug Abuse (Student Option;)

29416 001 LEC, 12:20-13:10 TTh, Phillips-Wangenstn Bldg 2-470, In Person Term Based; Julie Sanem ; 2 cr.

3011 Public Health Approaches to HIV/AIDS (Student Option;)

29470 001 LEC, 10:10-11:00 TTh, Phillips-Wangensteen 3150/3152, In Person Term Based; Meets With: 001 PUBH 6011; B. R. Simon Rosser ; 2 cr.

3051 Practicum in Peer Education I (A-F or Audit; Prereq: Selected to serve as a hith advocate, instr consent)

29418 001 LEC, 14:30-16:25 T, Health Sci Ed Ctr 2132/2138, In Person Term Based; Julie Sanem ; 2 cr.

3106 Making Sense of Health Studies (Student Option;)

33601 001 LEC, 12:20-14:15 Th, Molecular Cellular Biol 2-120, In Person Term Based; George Maldonado ; 2 cr.

3193 Environmental Health: Directed Studies (S-N only;)

29764 001 IND, In Person Term Based; Irina Stepanov ; 1-3 cr.

3202 What is Public Health? (Student Option No Audit;)

29531 320 LEC, 00:00-00:00 , ONLINE, Completely Online; Ruby Nguyen ; 2 cr.

3351 Epidemiology: People, Places, and Disease (Student Option; Prereq: Undergrad statistics course is recommended)

29687 001 LEC, 15:35-17:30 Th, Mayo Bldg & Additions 3-100, In Person Term Based; Ruby Nguyen ; 2 cr.

3365 Modeling and Mapping for Infectious Disease Epidemiology (Student Option;)

29742 001 LEC, 10:10-12:05 W, Phillips-Wangensteen 3150/3152, In Person Term Based; Meets With: 001 PUBH 6366; Horacio Duarte ; 2 cr.

3415 Introduction to Clinical Trials - Online (A-F only; Prereq: PUBH 3415 enrollees must have one semester of undergraduate level introductory biostatistics or statistics (STAT 3011, EPSY 3264, SOC 3811, BIOL 3272, or instr consent) AND junior or senior standing or instr consent.)

29667 320 LEC, 00:00-00:00 , ONLINE, Completely Online; Andrew Mugglin, Ann Brearley ; 3 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])

29767 320 LEC, Completely Online; Sarah Cusick ; 2 cr.

3893 Directed Study: Health Services Research and Policy (Student Option; Prereq: instr consent)

29673 001 IND, 00:00-00:00 , Independent/Directed Study; Sarah Gollust ; 1-4 cr.

3954 Personal, Social, and Environmental Influences on the Weight-Related Health of Pediatric Populations

(Student Option; Prereq: Students should have completed one basic, introductory nutrition course or equivalent or permission by instructor)
29668 320 LEC, 00:00-00:00 , ONLINE, Completely Online; Meets With: 320 PUBH 6954; Nicole Larson ; 2 cr.

Rehabilitation Science (RSC)**5101 Mathematical Tools for Research Applications in Health, Rehab, and Human Movement Sciences**

(A-F or Audit; Prereq: Basic algebra, trigonometry, and geometry. Pre-calculus or calculus is helpful but not required.)
34260 001 LEC, Completely Online; Cyrus Rezvanifar ; 1 cr.

5106 Introduction to Rehabilitation Science (Student Option;)

28203 001 DIS, 13:25-14:15 W, Phillips-Wangenstn Bldg 2-350, In Person Term Based; Ann Van de Winckel ; 1 cr.

5281 Physiology for Physical Rehabilitation (A-F or Audit; Prereq: Rehabilitation Science grad student)

27957 001 DIS, 10:10-12:05 TTh, Moos Health Sci Tower 2-620, In Person Term Based; Meets With: 001 PT 6281; LeAnn Snow, Susan Novotny ; 2-4 cr.

5294 Independent Study in Rehabilitation Science

(Student Option; Prereq: Rehabilitation science student or program approval)
27438 001 IND, 00:00-00:00 , In Person Term Based; Paula Ludewig ; 1-3 cr.
27771 002 IND, 00:00-00:00 , In Person Term Based; Brendan Dougherty ; 1-3 cr.
27772 003 IND, 00:00-00:00 , In Person Term Based; Linda Koehler ; 1-3 cr.
27773 004 IND, 00:00-00:00 , In Person Term Based; Tonya Rich ; 1-3 cr.
27774 005 IND, 00:00-00:00 , In Person Term Based; Leslie Morse ; 1-3 cr.
27775 006 IND, 00:00-00:00 , In Person Term Based; Dawn Lowe ; 1-3 cr.
27797 007 IND, 00:00-00:00 , In Person Term Based; Ricardo Battaglino ; 1-3 cr.
27821 008 IND, 00:00-00:00 , In Person Term Based; Corey McGee ; 1-3 cr.
27824 009 IND, 00:00-00:00 , In Person Term Based; Justin Staker ; 1-3 cr.
27826 010 IND, 00:00-00:00 , In Person Term Based; Peggy Martin ; 1-3 cr.
27911 011 IND, 00:00-00:00 , In Person Term Based; Andrew Hansen ; 1-3 cr.
27972 012 IND, 00:00-00:00 , In Person Term Based; Ann Van de Winckel ; 1-3 cr.
27973 013 IND, 00:00-00:00 , In Person Term Based; Arin Ellingson ; 1-3 cr.
28005 014 IND, 00:00-00:00 , In Person Term Based; Manda Keller-Ross ; 1-3 cr.

5402 The Shoulder in Sports Rehabilitation Science

(A-F or Audit; Prereq: (1) an undergraduate or graduate human anatomy course and (2) an undergraduate or graduate biomechanics course. It is recommended, but not required, you have an anatomy course including a detailed shoulder anatomy section and a biomechanics course including a detailed shoulder biomechanics section. Consent from course instructor or Rehabilitation Science graduate program is required.)
34859 001 LEC, In Person Term Based; Justin Staker ; 3 cr.

5404 Applied Shoulder Anatomy and Biomechanics

(A-F or Audit;)
28899 001 LEC, Completely Online; Justin Staker ; 1 cr.

5842 Teaching and Learning in Rehabilitation Science

(Student Option;)
28898 001 LEC, Completely Online; Diane Anderson ; 1 cr.

Religious Studies (RELS)**1002 Contemporary Issues in Religion, Culture, and Society: An Introduction to Religion**

(Student Option; AH)
20783 001 LEC, 14:30-15:45 MW, Nicholson Hall 125, In Person Term Based; Jeanne Kilde ; 3 cr.

1034 Introduction to Jewish History and Cultures

(Student Option; HIS)
19912 001 DIS, 13:00-14:15 TTh, Anderson Hall 370, In Person Term Based; Meets With: 001 HIST 3534001 JWST 1034001 JWST 3034001 RELS 3034001 HIST 1534; Natan Paradise ; 3 cr.

1082 Jesus in History, Art & Culture

(Student Option; HIS)
33881 001 DIS, 10:10-11:00 MWF, Scott Hall 4, In Person Term Based; Meets With: 001 CNRC 1082001 HIST 3092001 RELS 3092001 CNRC 3092001 HIST 1082; Stephen Ahearne-Kroll ; 3 cr.

1201 The Bible: Context and Interpretation, World of the Hebrew Bible

(Student Option; Prereq: Knowledge of Hebrew not required)LITR)
19437 001 LEC, 11:15-12:30 TTh, Nicholson Hall 155, In Person Term Based; Hanne Levinson ; 3 cr.

1544W Martyrs, Monks, Crusaders: World Christianity, 100-1400

(Student Option; GP,WI,HIS)
33923 001 LEC, 11:15-12:30 MW, Blegen Hall 150, In Person Term Based; Meets With: 001 MEST 3081W001 HIST 1081W001 RELS 3544W001 MEST 1081W001 HIST 3081W; Andrea Sterk ; 4 cr.
33930 002 DIS, 09:05-09:55 F, Blegen Hall 115, In Person Term Based; Meets With: 002 HIST 1081W002 MEST 1081W002 RELS 3544W002 HIST 3081W002 MEST 3081W; 4 cr.
33931 003 DIS, 09:05-09:55 F, Blegen Hall 205, In Person Term Based; Meets With: 003 HIST 1081W003 RELS 3544W003 MEST 1081W003 HIST 1081W003 MEST 3081W; 4 cr.
33932 004 DIS, 10:10-11:00 F, Blegen Hall 120, In Person Term Based; Meets With: 004 HIST 3081W004 RELS 3544W004 HIST 1081W004 MEST 3081W004 MEST 1081W; 4 cr.
33933 005 DIS, 12:20-13:10 F, Blegen Hall 115, In Person Term Based; Meets With: 005 MEST 1081W005 RELS 3544W005 MEST 3081W005 HIST 3081W005 HIST 1081W; 4 cr.

3013W Biblical Law and Jewish Ethics

(Student Option; Prerequisites: the course is open to all qualified students. The course begins with ideas of law in ancient Babylon and then studies the ongoing history of those ideas. The biblical idea that a covenant binds Israel to God, along with its implications for human worth - including the view of woman as person - will be examined. Comparative cultural issues include the reinterpretations of covenant within Christianity and Islam. The course investigates the rabbinic concept of oral law, the use of law to maintain the civil and religious stability of the Jewish people, and the kabbalistic transformation of law. The course concludes with contemporary Jewish thinkers who return to the Bible while seeking to establish a modern system of universal ethics. The premise of the course is the discipline of academic religious studies. The assumptions of the course are therefore academic and secular, as required by the First Amendment. All texts and all religious traditions will be examined analytically and critically. Students are expected to understand and master this approach, which includes questioning conventional cultural assumptions about the composition and authorship of the Bible. Willingness to ask such questions and openness to new ways of thinking are essential to success in the course. Old: Significance of religious law in Judaism. Babylonian background of biblical law. Biblical creation of the person as a legal category. Rabbinic transformations of biblical norms. Covenant in Christianity/Islam. Contemporary Jewish literature/philosophy.WI)
34085 001 LEC, 14:30-15:45 TTh, Nicholson Hall 325, In Person Term Based; Meets With: 001 JWST 5013W001 CNRC 5016W001 RELS 5013W001 JWST 3013W001 LAW 6916001 CNRC 3016W; Bernard Levinson ; 3 cr.

3034 Introduction to Jewish History and Cultures

(Student Option; HIS)

19913 001 DIS, 13:00-14:15 TTh, Anderson Hall 370, In Person Term Based; Meets With: 001 JWST 3034001 HIST 3534001 RELS 1034001 JWST 1034001 HIST 1534; Natan Paradise ; 3 cr.

3070 Topics in Religious Studies

(Student Option;)
34318 001 LEC, 11:00-12:20 TTh, Jones Hall 135B, In Person Term Based; Michael Brooks ; 3 cr.
34319 002 LEC, 13:00-16:00 W, Jones Hall 135B, In Person Term Based; 3 cr.

3071 Greek and Hellenistic Religions

(Student Option; HIS)
34138 001 LEC, 09:45-11:00 TTh, Ford Hall B53, In Person Term Based; Meets With: 001 CNRC 3071001 CNRC 5071001 RELS 5071; Ranjani Atur ; 3 cr.

3092 Jesus in History, Art & Culture

(Student Option; HIS)
33880 001 DIS, 10:10-11:00 MWF, Scott Hall 4, In Person Term Based; Meets With: 001 CNRC 3092001 CNRC 1082001 RELS 1082001 HIST 1082001 HIST 3092; Stephen Ahearne-Kroll ; 3 cr.

3113 History of Modern Israel/Palestine: Society, Culture, and Politics

(Student Option; GP)
34065 001 LEC, 10:30-15:45 TTh, Blegen Hall 150, In Person Term Based; Meets With: 001 HIST 3512001 JWST 3512; Noam Sienna ; 3 cr.

3201 The Bible: Context and Interpretation, World of the Hebrew Bible

(Student Option; Prereq: Knowledge of Hebrew not required)LITR)
19438 001 LEC, 11:15-12:30 TTh, Nicholson Hall 155, In Person Term Based; Hanne Levinson ; 3 cr.

3377 A Thousand Years of Buddhism in China: Beliefs, Practices, and Culture

(Student Option;)
34140 001 LEC, 14:30-15:45 MW, Folwell Hall 108, In Person Term Based; Meets With: 001 AMES 3377; Paul Rouzer ; 3 cr.

3544W Martyrs, Monks, Crusaders: World Christianity, 100-1400

(Student Option; GP,WI,HIS)
33924 001 LEC, 11:15-12:30 MW, Blegen Hall 150, In Person Term Based; Meets With: 001 HIST 3081W001 MEST 1081W001 MEST 3081W001 RELS 1544W001 HIST 1081W; Andrea Sterk ; 4 cr.
33926 002 DIS, 09:05-09:55 F, Blegen Hall 115, In Person Term Based; Meets With: 002 RELS 1544W002 MEST 1081W002 HIST 3081W002 MEST 3081W002 HIST 1081W; 4 cr.
33927 003 DIS, 09:05-09:55 F, Blegen Hall 205, In Person Term Based; Meets With: 003 RELS 1544W003 HIST 3081W003 MEST 3081W003 HIST 1081W003 MEST 1081W; 4 cr.
33928 004 DIS, 10:10-11:00 F, Blegen Hall 120, In Person Term Based; Meets With: 004 MEST 1081W004 MEST 3081W004 HIST 1081W004 RELS 1544W004 HIST 3081W; 4 cr.
33929 005 DIS, 12:20-13:10 F, Blegen Hall 115, In Person Term Based; Meets With: 005 HIST 1081W005 HIST 3081W005 MEST 1081W005 RELS 1544W005 MEST 3081W; 4 cr.

3625 Magic and Medicine

(Student Option;)
34133 001 LEC, 08:15-09:30 TTh, Blegen Hall 130, In Person Term Based; Meets With: 001 HIST 3285; Tanner Deeds ; 3 cr.

3631 Islam in America: A History of the Present

(A-F or Audit;)
34141 001 DIS, 17:00-19:30 M, Twin Cities Remote, Completely Online; Meets With: 001 ANTH 3631; Aisha Ghani ; 3 cr.

3711 The Islamic World

(Student Option; GP,SOCS)
34134 001 LEC, 13:00-14:15 TTh, Blegen Hall 140, In Person Term Based; Meets With: 001 GEOG 3145; Abdi Samatar ; 3 cr.

3712 Islam: Religion and Culture

(Student Option; Prereq: Soph or jr or sr)
20784 001 LEC, 17:00-19:30 T, Blegen Hall 220, In Person Term Based; Meets With: 001 HIST 3493; Nabil Matar ; 3 cr.

3716 Gender and the Family in the Islamic World

(A-F only; Prereq: At least soph; 1001 recommended)
34021 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 25, In Person Term Based; Meets With: 001 SOC 3681001 GWSS 3681001 GLOS 3681; Cawo Abdi ; 3 cr.

3717 Christians, Muslims, and Jews in the Middle Ages

(Student Option; GP,HIS)
21757 001 LEC, 13:00-14:15 MW, Blegen Hall 150, In Person Term Based; Meets With: 001 HIST 3606001 JWST 3606001 MEST 3606; Michael Lower ; 3 cr.

3896 Internship in Religion, Society, and Culture

(Student Option;)
21151 001 IND, In Person Term Based; Jeanne Kilde ; 1-4 cr.

3993 Directed Studies

(Student Option;)
18127 001 IND, 00:00-00:00 , , In Person Term Based; Jeanne Kilde ; 1-4 cr.

4993 Capstone: Directed Study

(Student Option;)
34387 001 IND, In Person Term Based; Jeanne Kilde ; 1-4 cr.

5013W Biblical Law and Jewish Ethics

(Student Option; Prerequisites: the course is open to all qualified students. The course begins with ideas of law in ancient Babylon and then studies the ongoing history of those ideas. The biblical idea that a covenant binds Israel to God, along with its implications for human worth - including the view of woman as person - will be examined. Comparative cultural issues include the reinterpretations of covenant within Christianity and Islam. The course investigates the rabbinic concept of oral law, the use of law to maintain the civil and religious stability of the Jewish people, and the kabbalistic transformation of law. The course concludes with contemporary Jewish thinkers who return to the Bible while seeking to establish a modern system of universal ethics. The premise of the course is the discipline of academic religious studies. The assumptions of the course are therefore academic and secular, as required by the First Amendment. All texts and all religious traditions will be examined analytically and critically. Students are expected to understand and master this approach, which includes questioning conventional cultural assumptions about the composition and authorship of the Bible. Willingness to ask such questions and openness to new ways of thinking are essential to success in the course.W)

34086 001 LEC, 14:30-15:45 TTh, Nicholson Hall 325, In Person Term Based; Meets With: 001 CNRC 3016W001 LAW 6916001 RELS 3013W001 JWST 3013W001 CNRC 5016W001 JWST 5013W; Bernard Levinson ; 3 cr.

5071 Greek and Hellenistic Religions

(Student Option;)
34139 001 DIS, 09:45-11:00 TTh, Ford Hall B53, In Person Term Based; Meets With: 001 RELS 3071001 CNRC 5071001 CNRC 3071; Ranjan Atur ; 3 cr.

5993 Directed Studies

(Student Option; Prereq: instr consent)
19151 001 IND, 00:00-00:00 , , In Person Term Based; Jeanne Kilde ; 1-4 cr.

Retail Merchandising (RM)**1201 Fashion, Ethics, and Consumption**

(Student Option; CIV)
15406 001 LEC, 15:00-16:15 TTh, Ruttan Hall B35, In Person Term Based; Sage Davis ; 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)
15312 001 FWK, Independent/Directed Study; Lauren Kim ; 1-4 cr.
15313 002 FWK, Independent/Directed Study; Hye-Young Kim ; 1-4 cr.
15314 003 FWK, Independent/Directed Study; Juanjuan Wu ; 1-4 cr.
15439 004 FWK, In Person Term Based; Hyunjoon Im ; 1-4 cr.
15606 005 FWK, In Person Term Based; Peggy Lord ; 1-4 cr.

2215 Introduction to Retail Merchandising

(A-F or Audit;)
15315 001 LEC, 11:45-13:00 TTh, McNeal Hall 33, In Person Term Based; Peggy Lord ; 3 cr.

2234 Retailing in a Digital Age

(A-F only; TS)
15501 001 LEC, Completely Online; Hyunjoon Im ; 3 cr.

3124 Consumers of Design

(A-F only; Prereq: retail merchandising major or minor)
15482 001 DIS, 11:45-13:00 TTh, Ruttan Hall B35, In Person Term Based; Jaye Thompson ; 3 cr.

3170 Topics in Retail Merchandising

(A-F or Audit;)
33575 001 LEC, 16:05-18:50 W, McNeal Hall 10, In Person Term Based; Peggy Lord ; 1-4 cr.

3201 Career and Internship Preparation for Retail Merchandising

(A-F only; Prereq: Retail merchandising major)
15526 002 LEC, 15:00-15:50 W, Twin Cities Remote, Completely Online; Jeannie Stumne ; 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)
15221 001 DIS, 13:30-14:45 TTh, Ruttan Hall B25, In Person Term Based; Jaye Thompson ; 3 cr.

3243 Visual Merchandising

(A-F or Audit; Prereq: 2215, [DHA major or minor or instr consent])
15419 001 LEC, 12:50-14:30 W, McNeal Hall 305, In Person Term Based; Juanjuan Wu ; 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][W])
15504 001 DIS, Completely Online; Jennifer Huh ; 3 cr.

4193 Directed Study in Retail Merchandising

(A-F or Audit; Prereq: Undergrad, instr consent)
15316 002 IND, Independent/Directed Study; Hye-Young Kim ; 1-4 cr.
15317 003 IND, Independent/Directed Study; Juanjuan Wu ; 1-4 cr.
15440 001 IND, Independent/Directed Study; Hyunjoon Im ; 1-4 cr.
15649 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)
15318 002 FWK, Independent/Directed Study; Hye-Young Kim ; 1-2 cr.
15319 003 FWK, Independent/Directed Study; Juanjuan Wu ; 1-2 cr.
15441 004 FWK, Independent/Directed Study; Hyunjoon Im ; 1-2 cr.
15498 001 FWK, Independent/Directed Study; Lauren Kim ; 1-2 cr.
15594 005 FWK, Independent/Directed Study; Peggy Lord ; 1-2 cr.

4212W Dress, Society, and Culture

(A-F or Audit; Prereq: [Jr or sr or grad student], [design major or minor or instr consent][W])
15487 001 LEC, 10:15-11:30 MW, Ruttan Hall B25, In Person Term Based; Kathryn Reiley ; 3 cr.

4216 Retail Promotions

(A-F or Audit; Prereq: 2215, [jr or sr or grad student], [DHA major or minor or instr consent])
15266 001 LEC, 11:45-13:00 MW, McNeal Hall 233, In Person Term Based; Garim Lee ; 3 cr.

4234 Digital Retail Analytics and Social Media

(A-F only;)
15640 001 LEC, 11:45-13:00 TTh, McNeal Hall 310, In Person Term Based; Lauren Kim ; 3 cr.

4248 Creative Leadership in Retailing

(A-F only;)

15502 001 LEC, 15:00-16:15 TTh, McNeal Hall 10, In Person Term Based; Jaye Thompson ; 3 cr.

Robotics (ROB)**5994 Directed Research**

(A-F only;)
27014 001 IND, 00:00-00:50 , , In Person Term Based; Nikolaos Papanikolopoulos ; 1-3 cr.

5996 Curricular Practical Training

(S-N only; Prereq: robotics major, instr consent)
26933 001 FWK, 00:00-00:00 , , In Person Term Based; Nikolaos Papanikolopoulos ; 1 cr.

Russian (RUSS)**1101 Beginning Russian I**

(Student Option;)
18051 001 DIS, 09:05-09:55 MTWThF, Folwell Hall 4, In Person Term Based; Meets With: 001 RUSS 4101; Irina Zaykovskaya ; 5 cr.
18052 002 DIS, 12:20-13:10 MTWThF, Folwell Hall 104, In Person Term Based; Meets With: 002 RUSS 4101; Nadya Clayton ; 5 cr.
18053 003 DIS, 13:25-14:15 MTWThF, Folwell Hall 105, In Person Term Based; Meets With: 003 RUSS 4101; Erik McDonald ; 5 cr.
18683 004 DIS, 14:30-15:20 MTWThF, Folwell Hall 13, In Person Term Based; Meets With: 004 RUSS 4101; Irina Zaykovskaya ; 5 cr.

3001 Intermediate Russian I

(Student Option; Prereq: 1102 or instr consent)
19422 001 DIS, 11:15-12:05 MTWThF, Folwell Hall 6, In Person Term Based; Meets With: 001 RUSS 4103; Erik McDonald ; 5 cr.
19423 002 DIS, 13:25-14:15 MTWThF, Folwell Hall 13, In Person Term Based; Meets With: 002 RUSS 4103; Irina Zaykovskaya ; 5 cr.

3101 Advanced Russian I

(Student Option; Prereq: 3002 or 4104 or instr consent)
18018 001 DIS, 14:30-15:20 MTWTh, Folwell Hall 10, In Person Term Based; Meets With: 001 RUSS 4111; Nadya Clayton ; 4 cr.

3421 Literature: Middle Ages to Dostoevsky in Translation

(Student Option; LITR)
17871 001 LEC, 13:00-14:15 TTh, Folwell Hall 108, In Person Term Based; Meets With: 001 RUSS 5421; Gary Jah ; 3 cr.

3604 Russia At The Movies: A Survey Of The History Of Russian Cinema

(Student Option; AH)
31588 001 LEC, 09:45-11:00 TTh, Folwell Hall 112, In Person Term Based; Meets With: 001 RUSS 5604; Nadya Clayton ; 3 cr.

3900 Topics in Russian Language, Literature, and Culture

(Student Option; Prereq: 1102 for language topics)
34147 001 DIS, 09:45-11:00 MW, Peik Hall 225, In Person Term Based; Erik McDonald ; 1-4 cr.

3993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)
18019 001 IND, 00:00-00:00 , , In Person Term Based; Nadya Clayton ; 1-4 cr.
21913 002 IND, In Person Term Based; Erik McDonald ; 1-4 cr.

4101 Beginning Russian for Graduate Research I

(Student Option;)
19426 001 DIS, 09:05-09:55 MTWThF, Folwell Hall 4, In Person Term Based; Meets With: 001 RUSS 1101; Irina Zaykovskaya ; 5 cr.
19427 002 DIS, 12:20-13:10 MTWThF, Folwell Hall 104, In Person Term Based; Meets With: 002 RUSS 1101; Nadya Clayton ; 5 cr.
19428 003 DIS, 13:25-14:15 MTWThF, Folwell Hall 105, In Person Term Based; Meets With: 003 RUSS 1101; Erik McDonald ; 5 cr.
19429 004 DIS, 14:30-15:20 MTWThF, Folwell Hall 13, In Person Term Based; Meets With: 004 RUSS 1101; Irina Zaykovskaya ; 5 cr.

4103 Intermediate Russian for Graduate Research I

(Student Option; Prereq: 4102)
19424 001 DIS, 11:15-12:05 MTWThF, Folwell Hall 6, In Person Term Based; Meets With: 001 RUSS 3001; Erik McDonald ; 5 cr.
19425 002 DIS, 13:25-14:15 MTWThF, Folwell Hall 13, In Person Term Based; Meets With: 002 RUSS 3001; Irina Zaykovskaya ; 5 cr.

4111 Advanced Russian for Graduate Research I

(Student Option; Prereq: 3002 or 4104 or instr consent)
19954 001 DIS, 14:30-15:20 MTWTh, Folwell Hall 10, In Person Term Based; Meets With: 001 RUSS 3101; Nadya Clayton ; 4 cr.

5421 Literature: Middle Ages to Dostoevsky in Translation

(Student Option; LITR)
17872 001 LEC, 13:00-14:15 TTh, Folwell Hall 108, In Person Term Based; Meets With: 001 RUSS 3421; Gary Jahn ; 3 cr.

5604 Russia At The Movies: A Survey Of The History Of Russian Cinema

(Student Option; AH)
31589 001 LEC, 09:45-11:00 TTh, Folwell Hall 112, In Person Term Based; Meets With: 001 RUSS 3604; Nadya Clayton ; 3 cr.

5993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)
18020 001 IND, 00:00-00:00 , , In Person Term Based; Erik McDonald ; 1-4 cr.

Scandinavian (SCAN)**3501W Scandinavian Culture Past and Present**

(Student Option; GP,WI)
32459 001 LEC, 11:15-12:30 TTh, Smith Hall 111, In Person Term Based; Benjamin Bigelow ; 3 cr.

3604W Living Pictures: An Introduction to Nordic Cinema

(Student Option; AH,WI)
32460 001 DIS, 14:30-15:45 TTh, Folwell Hall 5, In Person Term Based; Meets With: 001 SCAN5604W; Benjamin Bigelow ; 3 cr.

3993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)
18291 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

5604W Living Pictures: An Introduction to Nordic Cinema

(Student Option; AH,WI)
32461 001 DIS, 14:30-15:45 TTh, Folwell Hall 5, In Person Term Based; Meets With: 001 SCAN3604W; Benjamin Bigelow ; 3 cr.

5701 Old Norse Language and Literature

(Student Option;)
18840 001 DIS, 13:00-14:15 MW, Folwell Hall 118, In Person Term Based; Meets With: 001 MEST 5701; Anatoly Liberman ; 3 cr.

5993 Directed Studies

(Student Option; Prereq instr consent, dept consent, college consent.)
18292 001 IND, 00:00-00:00 , , In Person Term Based; 1-4 cr.

School for Field Studies (SFS)**Senegal (SNGL)****Slavic (SLAV)****3900 Topics in Slavic Languages & Literatures**

(Student Option;)
34330 001 DIS, 14:00-16:30 M, Nicholson Hall 135, In Person Term Based; Meets With: 002 CSLC 5910001 SLAV 5900; Alice Lovejoy ; 3 cr.

5900 Topics in Slavic Languages and Literatures

(Student Option;)
34331 001 DIS, 14:00-16:30 M, Nicholson Hall 135, In Person Term Based; Meets With: 002 CSLC 5910001 SLAV 3900; Alice Lovejoy ; 3 cr.

Social Work (SW)**1501 Introduction to Peace Studies**

(A-F only; GP)
17384 001 LEC, 09:45-11:00 TTh, Elliott Hall N119, In Person Term Based; Christopher Mendez ; 3 cr.

2501W Introduction to Social Justice

(A-F only; WI,DSJ)
16768 001 LEC, 17:10-20:30 T, Peters Hall 155, In Person Term Based; Camille Cyprian ; 4 cr.

3501 Theories and Practices of Social Change Organizing

(A-F only;)
16743 001 DIS, 16:00-19:20 Th, Peters Hall 155, In Person Term Based; Nate Whittaker ; 4 cr.

3701 Introduction to Child Maltreatment: Intervention and Prevention

(Student Option;)
16453 001 LEC, 13:55-16:25 M, Peters Hall 145, In Person Term Based; Mark Costello ; 3 cr.

3703 Gender Violence in Global Perspective

(Student Option;)
16352 001 LEC, 17:30-20:00 W, Peters Hall 155, In Person Term Based; Deena Anders ; 3 cr.

4693 Directed Studies

(Student Option; Prereq: instr consent)
16287 001 IND, Independent/Directed Study; 1-10 cr.

4694 Directed Research

(Student Option; Prereq: instr consent)
16288 001 IND, Independent/Directed Study; 1-10 cr.

5051 Human Behavior and the Social Environment

(A-F or Audit;)
16289 001 LEC, 09:35-11:30 Th, Peters Hall 155, In Person Term Based; Mary Lennick, Joan Riebel ; 2 cr.
16290 002 LEC, 09:35-11:30 Th, McNeal Hall 310, In Person Term Based; Jihee Woo ; 2 cr.
17580 004 LEC, 12:30-14:30 Sa, Peters Hall 155, In Person Term Based; Jihee Woo ; 2 cr.

5101 Historical Origins and Contemporary Policies in Social Welfare

(A-F or Audit;)
16999 001 LEC, 17:10-20:00 T, Lrng & Environmental Sci 230, In Person Term Based; Suzanne Shatila ; 3 cr.
17356 002 LEC, 17:10-20:00 W, Lrng & Environmental Sci 230, In Person Term Based; Jessica Toft ; 3 cr.

5562 Global Social Work and Social Development

(Student Option;)
17016 001 LEC, 08:30-11:30 F, Peters Hall 280, In Person Term Based; Ross VeLure Roholt ; 3 cr.

5903 Substance Abuse and Social Work

(Student Option;)
17000 001 LEC, 17:10-20:00 T, Peters Hall 39, 17:10-20:00 T, Peters Hall 39, In Person Term Based; Tanya Freedland ; 2 cr.
32671 002 LEC, 17:10-20:00 T, Peters Hall 145, 17:10-20:00 T, Peters Hall 145, In Person Term Based; Jennifer Wiseman ; 2 cr.

5912 Grief and Loss in Social Work Practice

(Student Option;)
17033 001 LEC, 08:00-11:00 Sa, Peters Hall 5, In Person Term Based; Stacy Remke ; 1 cr.

5991 Independent Study in Social Work

(Student Option;)

16358 001 IND, Independent/Directed Study; 1-4 cr.
17421 002 IND, Independent/Directed Study; 1-4 cr.

Social/Administrative Pharmacy (SAPH)**5100 Pro-Seminar**

(A-F or Audit;)
29281 001 LEC, 14:30-15:20 Th, AHC ROOM TBA, Partially Online; Jon Schommer ; 1 cr.

Sociology (SOC)**1001 Introduction to Sociology**

(Student Option; Prereq: Soc Majors/Minors must register A-FDSJ,SOCs)
17849 001 LEC, 09:45-11:00 MW, Anderson Hall 310, In Person Term Based; Tom VanHeuvelen ; 4 cr.
17850 002 DIS, 11:15-12:05 M, Blegen Hall 225, In Person Term Based; 4 cr.
17851 003 DIS, 11:15-12:05 M, Blegen Hall 260, In Person Term Based; 4 cr.
17852 004 DIS, 08:40-09:30 W, Blegen Hall 140, In Person Term Based; 4 cr.
17853 005 DIS, 08:40-09:30 W, Blegen Hall 225, In Person Term Based; 4 cr.
17854 006 DIS, 08:40-09:30 W, Blegen Hall 260, In Person Term Based; 4 cr.
17855 007 DIS, 11:15-12:05 W, Blegen Hall 260, In Person Term Based; 4 cr.
17856 015 LEC, 11:15-12:30 MW, Anderson Hall 310, In Person Term Based; Mark Pharris ; 4 cr.
17857 016 DIS, 12:45-13:35 M, Blegen Hall 140, In Person Term Based; 4 cr.
17858 018 DIS, 10:10-11:00 W, Blegen Hall 135, In Person Term Based; 4 cr.
17859 019 DIS, 10:10-11:00 W, Blegen Hall 225, In Person Term Based; 4 cr.
17860 030 LEC, 17:15-20:00 T, Twin Cities Remote, Completely Online; Hassan Abdel Salam ; 4 cr.
17861 031 DIS, 16:10-17:00 T, Twin Cities Remote, Completely Online; 4 cr.
17862 032 DIS, 16:10-17:00 T, Twin Cities Remote, Completely Online; 4 cr.
17863 033 DIS, 16:10-17:00 T, Twin Cities Remote, Completely Online; 4 cr.
18450 034 DIS, 20:15-21:05 T, Twin Cities Remote, Completely Online; 4 cr.
19316 017 DIS, 12:45-13:35 M, Blegen Hall 230, In Person Term Based; 4 cr.
20014 020 DIS, 10:10-11:00 W, Blegen Hall 330, In Person Term Based; 4 cr.
20188 021 DIS, 12:45-13:35 W, Blegen Hall 140, In Person Term Based; 4 cr.
20202 008 DIS, 11:15-12:05 W, Hubert H. Humphrey School 15, In Person Term Based; 4 cr.
20490 022 DIS, 12:45-13:35 W, Hubert H. Humphrey School 184, In Person Term Based; 4 cr.
20606 009 DIS, 11:15-12:05 W, Hubert H. Humphrey School 184, In Person Term Based; 4 cr.
20617 023 DIS, 12:45-13:35 W, Hubert H. Humphrey School 15, In Person Term Based; 4 cr.
34705 035 DIS, 16:10-17:00 T, Twin Cities Remote, Completely Online; 4 cr.

1101 Law, Crime, & Punishment

(A-F or Audit;)
20187 001 LEC, 09:45-11:00 TTh, Anderson Hall 350, In Person Term Based; Gabrielle Ferrales ; 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)
18733 001 LEC, 14:30-15:45 TTh, West Bank Skyway 20, In Person Term Based; Meets With: 001 SOC 3101H; Joshua Page ; 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)
21464 001 LEC, 14:30-15:45 TTh, West Bank Skyway 20, In Person Term Based; Meets With: 001 SOC 3101; Joshua Page ; 3 cr.

3102 Criminal Behavior and Social Control

(Student Option; Prereq: Soc majors/minors must register A-F)

18734 001 LEC, 17:30-20:00 Th, Blegen Hall 10, In Person Term Based; Julie Barrows ; 3 cr.

3201 Inequality: Introduction to Stratification

(Student Option; Prereq: soc majors/minors must register A-F)

20015 001 LEC, 14:30-15:45 TTh, Blegen Hall 120, In Person Term Based; Yanjie Bian ; 3 cr.

3211W Race and Racism in the US (A-F or Audit; DSJ,WI)

19501 001 LEC, 17:30-20:00 T, Blegen Hall 120, In Person Term Based; Meets With: 001 AAS 3211W; Ethan Johnson ; 3 cr.

3225 The Power of the 1%: Global Philanthropy and the Making of a New World

(Student Option;)

32714 001 LEC, 14:30-15:45 TTh, Blegen Hall 415, In Person Term Based; Meets With: 001 GLOS 3225; Anindita Chatterjee ; 3 cr.

3243W On Drugs: Pleasures, Panics & Punishments

(Student Option; WI)

33095 001 LEC, 11:15-12:30 MW, Blegen Hall 425, In Person Term Based; Teresa Gowan ; 3 cr.

3246 Diseases, Disasters, & Other Killers (A-F or Audit; ENV,HIS)

20636 001 LEC, 09:45-11:00 MW, Blegen Hall 150, In Person Term Based; Elizabeth Wrigley-Field ; 3 cr.

3251W Sociological Perspectives on Race, Class, and Gender

(A-F or Audit; Prereq: Soc majors/minors must register A-FDSJ,WI,SOCS)

20383 001 LEC, 08:15-09:30 T, Blegen Hall 150, Partially Online; Meets With: 001 AAS 3251W; Monica Jarvi ; 3 cr.

3412 Social Networking: Theories and Methods

(A-F only; Prereq: [SOC 1001] recommended, Sociology majors/minors must register A-FTS)

32715 001 LEC, 13:00-14:15 TTh, Blegen Hall 255, In Person Term Based; Meets With: 001 SOC 3412H; David Knoke ; 3 cr.

3412H Honors: Social Networking: Theories and Methods

(A-F only; Prereq: [SOC 1001] recommended, Sociology majors/minors must register A-F, honorsTS)

32716 001 LEC, 13:00-14:15 TTh, Blegen Hall 255, In Person Term Based; Meets With: 001 SOC 3412; David Knoke ; 3 cr.

3421W Sociology of Work: Good Jobs, Bad Jobs, No Jobs?

(A-F or Audit; Prereq: 1001 recommended, Soc majors/minors must register A-FWI)

21466 001 LEC, 11:15-12:30 TTh, Blegen Hall 235, In Person Term Based; Yanjie Bian ; 3 cr.

3501 Sociology of Families

(Student Option; Prereq: 1001 recommended; soc majors/minors must register A-FDSJ,SOCS)

21468 001 LEC, 13:00-14:15 TTh, Blegen Hall 317, In Person Term Based; Claire Kamp Dush ; 3 cr.

3503 Asian American Identities, Families & Communities

(A-F or Audit; Prereq: SOC 1001 recommended, Sociology majors/minors must register A/FSOCS,DSJ)

32717 001 LEC, 11:15-12:30 MW, Blegen Hall 317, In Person Term Based; Meets With: 001 AAS 3503001 SOC 3503H; Teresa Swartz ; 3 cr.

3503H Honors: Asian American Identities, Families & Communities

(A-F only; Prereq: [SOC 1001] recommended, honorsSOCS,DSJ)

32718 001 LEC, 11:15-12:30 MW, Blegen Hall 317, In Person Term Based; Meets With: 001 AAS 3503001 SOC 3503; Teresa Swartz ; 3 cr.

3511 World Population Problems

(A-F or Audit; Prereq: [SOC 1001] recommended, Sociology majors/minors must register A-FGP)

33189 001 LEC, 14:30-15:45 MW, Blegen Hall 250, In Person Term Based; Petra Aigner ; 3 cr.

3681 Gender and the Family in the Islamic World

(A-F only; Prereq: At least soph; 1001 recommended)

32721 001 LEC, 09:45-11:00 TTh, Hubert H. Humphrey School 25, In Person Term Based; Meets With: 001 RELS 3716001 GWSS 3681001 GLOS 3681; Cawo Abdi ; 3 cr.

3701 Social Theory

(A-F or Audit; Prereq: 1001 recommended; soc majors/minors must register A-F)

17868 002 LEC, 12:20-14:00 MW, Blegen Hall 250, In Person Term Based; Michael Soto ; 4 cr.

20191 001 LEC, 09:05-10:45 MW, Blegen Hall 250, In Person Term Based; Jane VanHeuvelen ; 4 cr.

34460 301 LEC, Completely Online; Jean Marie Maier ; 4 cr.

3801 Sociological Research Methods

(A-F or Audit; Prereq: 1001 recommended; soc majors must register A-F)

17866 001 LEC, 09:45-11:00 TTh, Blegen Hall 235, In Person Term Based; Elizabeth Heger Boyle ; 4 cr.

17867 002 LAB, 09:45-11:00 W, Blegen Hall 230, In Person Term Based; 4 cr.

18764 010 LAB, Completely Online; 4 cr.

19317 009 LEC, Completely Online; Carolyn Liebler ; 4 cr.

20016 011 LAB, Completely Online; 4 cr.

20192 003 LAB, 11:15-12:30 Th, Blegen Hall 220, In Person Term Based; 4 cr.

21858 012 LAB, Completely Online; 4 cr.

21867 013 LAB, Completely Online; 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)

17805 001 LEC, 09:45-11:00 TTh, Anderson Hall 250, In Person Term Based; David Knoke ; 4 cr.

17806 002 LAB, 12:20-13:50 T, Anderson Hall 150, In Person Term Based; 4 cr.

17807 003 LAB, 08:00-09:30 W, Anderson Hall 150, In Person Term Based; 4 cr.

17808 004 LAB, 10:10-11:40 W, Anderson Hall 150, In Person Term Based; 4 cr.

17809 005 LAB, 14:30-16:00 W, Anderson Hall 150, In Person Term Based; 4 cr.

17810 006 LAB, 16:15-17:45 W, Anderson Hall 150, In Person Term Based; 4 cr.

20493 007 LAB, 08:00-09:30 Th, Anderson Hall 150, In Person Term Based; 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)

20025 001 LEC, 11:15-12:30 TTh, Blegen Hall 120, In Person Term Based; 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)

19333 001 LEC, 11:15-12:30 TTh, Blegen Hall 120, In Person Term Based; Meets With: 001 SOC 4101V; Gabrielle Ferrales ; 3 cr.

4106 Crime on TV

(Student Option; Prereq: recommended [1001 or 1011V, 1101 or 3101 or 3102]; Soph or above or instr consent; soc majors/minors must register A-F.)

21473 001 LEC, 09:45-11:00 TTh, Blegen Hall 250, In Person Term Based; Joshua Page ; 3 cr.

4125 Policing America

(A-F or Audit; Prereq: 3101 or 3102 recommended or instr consent, soc majors/minors must register A-F)

32722 001 LEC, 13:00-14:15 MW, Blegen Hall 125, In Person Term Based; Michelle Phelps ; 3 cr.

4141 Youth Crime & Punishment

(A-F or Audit; Prereq: Soc 3101 or 3102 recommended; Sociology majors/minors must register A-F)

21556 001 LEC, 16:00-17:15 TTh, Blegen Hall 120, In Person Term Based; Meets With: 001 SOC 4141H; Christopher Uggen ; 3 cr.

4141H Honors: Youth Crime & Punishment

(A-F only; Prereq: honors student, Soc 3101 or 3102 recommended; Sociology majors/minors must register A-F)

33482 001 LEC, 16:00-17:15 TTh, Blegen Hall 120, In Person Term Based; Meets With: 001 SOC 4141; Christopher Uggen ; 3 cr.

4161 Criminal Law in American Society

(A-F or Audit; Prereq: Soc 3101 or 3102 recommended; soc majors/minors must register A-F)

20384 001 LEC, 14:30-17:00 W, Twin Cities Remote, Completely Online; Joel Samaha ; 3 cr.

4171 Sociology of International Law: Human Rights & Trafficking

(A-F or Audit; Prereqs: 1001 or 3101 or 3102 or instr consent; soc majors/minors must register A-FGP)

32728 001 LEC, 13:00-14:15 TTh, Blegen Hall 235, In Person Term Based; Elizabeth Heger Boyle ; 3 cr.

4246 Sociology of Health and Illness

(A-F or Audit; Prereq: One sociology course recommended; soph or above; soc majors/minors must register A-F)

21474 001 LEC, 11:15-12:30 MW, Anderson Hall 230, In Person Term Based; Jane VanHeuvelen ; 3 cr.

4311 Power, Justice & the Environment

(A-F or Audit; Prereq: SOC 1001 recommendedDSJ)

21066 001 LEC, 11:15-12:30 TTh, Blegen Hall 250, In Person Term Based; Meets With: 001 GLOS 4311; Michael Goldman ; 3 cr.

4551 Sociology of Sexualities

(A-F or Audit; Prereq: Sociology majors/minors must register A-FDSJ,SOCS)

33133 001 LEC, Completely Online; Jackie Austin ; 3 cr.

4966W Capstone Experience: Seminar

(A-F only; Prereq: 1001, 3701, 3801, 3811, 12 cr upper div sociology, dept consentWI)

18072 001 LEC, 14:30-15:45 TTh, Hubert H. Humphrey School 25, In Person Term Based; Carolyn Liebler ; 3 cr.

4977V Senior Honors Proseminar I

(A-F or Audit; Prereq: 3701, 3801, 3811, 9 additional upper div sociology cr, sr soc honors major, dept consentWI)

18093 001 LEC, 14:30-17:00 W, Blegen Hall 415, In Person Term Based; Teresa Swartz ; 3 cr.

5811 Social Statistics for Graduate Students

(Student Option; Prereq: Undergraduate students are expected to have familiarity with the materials taught in the equivalent of 3811. Students who are unsure of the course requirements should contact the instructor. Undergraduates with a strong math background are encouraged to register for 5811 in lieu of 3811. Soc majors must register A-F. 5811 is a good social statistics foundation course for MA students from other programs. 5811 will not count for credits towards the Soc PhD program requirements.)

17811 001 LEC, 13:00-14:15 MW, Anderson Hall 150, In Person Term Based; Tom VanHeuvelen ; 3 cr.

Software Engineering (SENG)

5707 The Principles of Database Systems

(A-F or Audit; Prereq: Grad SEng major)

24508 001 LEC, 08:00-11:15 FSa, Keller Hall 3-111, In Person Term Based; Allan Tokuda ; 3 cr.

5801 Software Engineering I: Overview, Requirements, and Modeling

(A-F or Audit; Prereq: Grad SEng major)

24509 001 LEC, 12:15-15:30 FSa, Keller Hall 3-111, In Person Term Based; Mats Heimdahl ; 3 cr.

5851 Software Project Management

(A-F or Audit; Prereq: Grad SEng major)

24553 001 LEC, 08:00-11:15 FSa, Keller Hall 3-111, In Person Term Based; Praveen Mittal ; 3 cr.

5861 Introduction to Software Architecture

(A-F or Audit; Prereq: 2nd year, MSSE grad student)

24597 001 LEC, 12:15-15:30 FSa, Keller Hall 3-111, In Person Term Based; Nathaniel Schutta ; 3 cr.

5899 Software Engineering Seminar

(Student Option; Prereq: Grad SEng major, instr consent)

33310 001 LEC, 08:00-16:30 Sa, Lab TBA, In Person Term Based; Kevin Wendt ; 1 cr.

5900 Directed Study

(Student Option;)

24596 001 LEC, 00:00-00:00 , , In Person Term Based; Kevin Wendt ; 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 equiv ENV, PHYS)**

- 22196 001 LEC, 09:35-10:25 MWF, Borlaug Hall 335, In Person Term Based; Jay Bell ; 4 cr.
- 22197 002 LAB, 00:00-00:00 , , In Person Term Based; Jay Bell ; 4 cr.
- 22445 003 DIS, 09:35-10:25 Th, Borlaug Hall 243A, In Person Term Based; Jay Bell ; 4 cr.
- 22446 004 DIS, 10:40-11:30 Th, Borlaug Hall 243A, In Person Term Based; Jay Bell ; 4 cr.
- 22447 005 DIS, 11:45-12:35 Th, Borlaug Hall 243A, In Person Term Based; Jay Bell ; 4 cr.
- 22448 006 DIS, 12:50-13:40 Th, Borlaug Hall 243A, In Person Term Based; Jay Bell ; 4 cr.
- 22603 007 LEC, Completely Online; 4 cr.
- 22604 008 DIS, 17:10-18:00 W, Borlaug Hall 365, In Person Term Based; Jay Bell ; 4 cr.
- 22605 009 LAB, 00:00-00:00 , , In Person Term Based; Jay Bell ; 4 cr.

2601 The Social Life of Soil**(Student Option; ENV)**

- 22864 001 LEC, Completely Online; Grace Wilson ; 3 cr.

3521 Soil Judging**(A-F or Audit; Prereq: An introductory soils course and field studies course.)**

- 22223 001 FWK, 00:00-00:00 , , In Person Term Based; 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)**

- 22865 001 IND, Independent/Directed Study; Jay Bell ; 1-4 cr.

4111 Introduction to Precision Agriculture**(A-F or Audit; Prereq: Basic sciences, statistics, soil, agronomy)**

- 22859 001 LEC, 15:05-16:35 T, Soils S415, In Person Term Based; Yuxin Miao ; 3 cr.
- 22860 002 LAB, 15:05-16:35 Th, Skok Hall 35, In Person Term Based; Yuxin Miao ; 3 cr.

5125 Soil Science for Teachers and Professionals**(Student Option;)**

- 22873 001 LEC, In Person Term Based; 4 cr.
- 22874 002 LAB, In Person Term Based; Jay Bell ; 4 cr.
- 22875 003 DIS, In Person Term Based; Jay Bell ; 4 cr.

5232 Vadose Zone Hydrology**(Student Option; Prereq: [Math 1271 or equiv], [Phys 1042 or equiv])**

- 33330 001 LEC, 09:35-10:25 MW, Borlaug Hall 375, In Person Term Based; D Mulla ; 3 cr.
- 34167 002 LAB, 09:35-12:30 T, Borlaug Hall 375, In Person Term Based; D Mulla ; 3 cr.

5555 Wetland Soils**(A-F or Audit; Prereq: SOIL 1125 or 2125 or equiv or instr consent; concurrent registration is required (or allowed) in SOIL 4511 recommended)**

- 22222 002 FWK, 15:00-18:00 Th, Borlaug Hall 375, In Person Term Based; Meets With: 002 ESPM 5555; Jay Bell ; 3 cr.
- 22368 001 LEC, 15:00-15:50 MW, Borlaug Hall 375, In Person Term Based; Meets With: 001 ESPM 5555; Jay Bell ; 3 cr.

Somali (SMLI)**1221 Beginning Somali****(A-F or Audit;)**

- 19395 001 LEC, 17:30-20:00 MW, Blegen Hall 205, In Person Term Based; Said Ahmed ; 5 cr.

1225 Accelerated Beginning Somali I**(A-F only; Prereq: EPT Placement of SMLI 1225 and ability in basic spoken Somali)**

- 19400 001 LEC, 17:30-20:00 TTh, Blegen Hall 335, In Person Term Based; Said Ahmed ; 5 cr.

3227 Intermediate Somali I**(A-F only; Prereq: SMLI 1222)**

- 19677 001 LEC, 14:00-16:30 TTh, Blegen Hall 335, In Person Term Based; Meets With: 001 SMLI 4227; Said Ahmed ; 5 cr.

4227 Intermediate Somali for Graduate**Research I****(A-F only;)**

- 19676 001 LEC, 14:00-16:30 TTh, Blegen Hall 335, In Person Term Based; Meets With: 001 SMLI 3227; Said Ahmed ; 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)**

- 21392 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 123, Partially Online; Meets With: 001 SPAN 4001; Cecily Brown ; 5 cr.
- 21393 002 DIS, 11:15-12:05 MTWTh, Folwell Hall 104, Partially Online; Meets With: 002 SPAN 4001; Cecily Brown ; 5 cr.
- 21394 004 DIS, 13:25-14:15 MTWTh, Folwell Hall 32, Partially Online; Meets With: 004 SPAN 4001; Cecily Brown ; 5 cr.
- 21395 005 DIS, 15:35-17:30 MW, Folwell Hall 31, Partially Online; Meets With: 005 SPAN 4001; Elizabeth Lake ; 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)**

- 33323 001 DIS, 10:10-11:00 MTWTh, Folwell Hall 31, In Person Term Based; Stephanie Anderson ; 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)**

- 21960 019 DIS, 13:25-14:15 MTWTh, Twin Cities Remote, Completely Online; James Ramsburg ; 5 cr.
- 33360 001 DIS, 08:00-08:50 MTWTh, Folwell Hall 122, Partially Online; Mary Pogatschnik ; 5 cr.
- 33361 002 DIS, 08:00-08:50 MTWTh, Folwell Hall 120, Partially Online; Carlos Villanueva, ; 5 cr.
- 33363 003 DIS, 09:05-09:55 MTWTh, Folwell Hall 32, Partially Online; Mary Pogatschnik ; 5 cr.
- 33364 004 DIS, 09:05-09:55 MTWTh, Folwell Hall 31, Partially Online; Jose Aguirre, ; 5 cr.
- 33365 005 DIS, 10:10-11:00 MTWTh, Peik Hall 155, Partially Online; Sara Finney, ; 5 cr.
- 33366 006 DIS, 10:10-11:00 MTWTh, Akerman Hall 313, Partially Online; Mary Pogatschnik, ; 5 cr.
- 33367 007 DIS, 10:10-11:00 MTWTh, Folwell Hall 12, Partially Online; Sara Gardner, ; 5 cr.
- 33369 008 DIS, 11:15-12:05 MTWTh, Peik Hall 215, Partially Online; Sara Finney, ; 5 cr.
- 33370 009 DIS, 11:15-12:05 MTWTh, Folwell Hall 4, Partially Online; Kristin Beamish-Brown, ; 5 cr.
- 33373 010 DIS, 11:15-12:05 MTWTh, Folwell Hall 112, Partially Online; Andrew Wiesinger, ; 5 cr.
- 33374 011 DIS, 12:20-13:10 MTWTh, Folwell Hall 31, Partially Online; Kristin Beamish-Brown, ; 5 cr.
- 33375 012 DIS, 12:20-13:10 MTWTh, Folwell Hall 123, Partially Online; Alejandra Takahira, ; 5 cr.
- 33376 013 DIS, 13:25-14:15 MTWTh, Peik Hall 155, Partially Online; Elizabeth Lake, ; 5 cr.
- 33377 014 DIS, 13:25-14:15 MTWTh, Peik Hall 335, Partially Online; Andrew Wiesinger, ; 5 cr.
- 33378 015 DIS, 14:30-15:20 MTWTh, Folwell Hall 112, Partially Online; Elizabeth Lake, ; 5 cr.
- 33379 016 DIS, 14:30-15:20 MTWTh, Folwell Hall 116, Partially Online; Andrew Wiesinger, ; 5 cr.
- 33380 017 DIS, 16:40-17:30 MTWTh, Folwell Hall 122, Partially Online; ; 5 cr.
- 33382 018 DIS, 18:00-19:55 MW, Twin Cities Remote, Completely Online; Yoko Hama ; 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)**

- 18243 003 LEC, 09:05-09:55 MTWTh, Folwell Hall 18, Partially Online; Meets With: 003 SPAN 4004; Sara Mack ; 5 cr.
- 18244 004 LEC, 09:05-09:55 MTWTh, Folwell Hall 3, Partially Online; Adriana Sanchez-Vargas ; 5 cr.
- 18245 005 LEC, 10:10-11:00 MTWTh, Folwell Hall 8, Partially Online; Adriana Sanchez-Vargas ; 5 cr.
- 18246 006 LEC, 10:10-11:00 MTWTh, Folwell Hall 28, Partially Online; Sara Mack ; 5 cr.
- 18247 007 LEC, 10:10-11:00 MTWTh, Folwell Hall 6, Partially Online; Edward Eiffler ; 5 cr.
- 18248 009 LEC, 11:15-12:05 MTWTh, Folwell Hall 5, Partially Online; Edward Eiffler ; 5 cr.
- 18249 010 LEC, 11:15-12:05 MTWTh, Amundson Hall 158, Partially Online; Adriana Sanchez-Vargas ; 5 cr.

- 18387 011 LEC, 12:20-13:10 MTWTh, Folwell Hall 16, Partially Online; Meets With: 011 SPAN 4004; Edward Eiffler ; 5 cr.
- 18388 012 LEC, 12:20-13:10 MTWTh, Folwell Hall 103, Partially Online; Elsa Maxwell ; 5 cr.
- 18500 015 LEC, 14:30-15:20 MTWTh, Folwell Hall 106, Partially Online; Elsa Maxwell ; 5 cr.
- 18501 017 LEC, 15:35-16:25 MTWTh, Folwell Hall 18, Partially Online; Elsa Maxwell ; 5 cr.
- 18932 001 LEC, 08:00-08:50 MTWTh, Folwell Hall 106, Partially Online; Raegeom Lee ; 5 cr.
- 19329 014 LEC, 13:25-14:15 MTWTh, Folwell Hall 5, Partially Online; Kristin Beamish-Brown ; 5 cr.
- 19973 013 LEC, 13:25-14:15 MTWTh, Folwell Hall 6, Partially Online; Edward Eiffler ; 5 cr.
- 20133 016 LEC, 14:30-15:20 MTWTh, Folwell Hall 105, Partially Online; Marie Mangold ; 5 cr.
- 20632 018 LEC, 18:00-19:55 TTh, Folwell Hall 18, Partially Online; Meets With: 020 SPAN 4004; Catalina Ahumada Escobar ; 5 cr.
- 21962 019 LEC, 11:15-12:05 MTWTh, Twin Cities Remote, Completely Online; Javier Zapata Claveria ; 5 cr.
- 21967 020 LEC, 12:20-13:10 MTWTh, Twin Cities Remote, Completely Online; Vanessa Santana ; 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].)**

- 18338 002 LEC, 08:00-08:50 MTWTh, Folwell Hall 104, Partially Online; Cristina Castro ; 5 cr.
- 18339 003 LEC, 09:05-09:55 MTWTh, Folwell Hall 120, Partially Online; Dora Dias ; 5 cr.
- 18340 004 LEC, 09:05-09:55 MTWTh, Folwell Hall 16, Partially Online; Meets With: 004 SPAN 4022; Cristina Castro ; 5 cr.
- 18341 005 LEC, 10:10-11:00 MTWTh, Folwell Hall 5, Partially Online; Jacquelyn James ; 5 cr.
- 18342 006 LEC, 10:10-11:00 MTWTh, Folwell Hall 4, Partially Online; William Cornejo Moreira ; 5 cr.
- 18343 007 LEC, 10:10-11:00 MTWTh, Folwell Hall 30, Partially Online; Julia Lujan ; 5 cr.
- 18344 008 LEC, 11:15-12:05 MTWTh, Folwell Hall 30, Partially Online; Julia Lujan ; 5 cr.
- 18345 009 LEC, 11:15-12:05 MTWTh, Folwell Hall 3, Partially Online; Marisol Galicia Estevez ; 5 cr.
- 18346 010 LEC, 12:20-13:10 MTWTh, Folwell Hall 18, Partially Online; Meets With: 010 SPAN 4022; Marisol Galicia Estevez ; 5 cr.
- 18347 012 LEC, 13:25-14:15 MTWTh, Folwell Hall 4, Partially Online; Marisol Galicia Estevez ; 5 cr.
- 18348 013 LEC, 13:25-14:15 MTWTh, Folwell Hall 30, Partially Online; Cristina Castro ; 5 cr.
- 18349 014 LEC, 14:30-15:20 MTWTh, Kolthoff Hall 136, Partially Online; Kaylee Rasmussen ; 5 cr.
- 20397 015 LEC, 15:35-16:25 MTWTh, Folwell Hall 16, Partially Online; Erma Nezevirc ; 5 cr.
- 20912 016 LEC, 10:10-11:00 MTWTh, Twin Cities Remote, Completely Online; Vanessa Santana ; 5 cr.
- 21322 017 LEC, 13:25-14:15 MTWTh, Twin Cities Remote, Completely Online; Vanessa Santana ; 5 cr.
- 34506 018 LEC, 13:25-14:15 MTWTh, Kolthoff Hall 136, Partially Online; Kaylee Rasmussen, ; 5 cr.
- 34618 019 LEC, 14:30-15:20 MTWTh, Nicholson Hall 145, Partially Online; Collin Diver, ; 5 cr.

1044 Intermediate Medical Spanish**(Student Option; Prereq: 1003 or equiv)**

- 20028 001 LEC, 10:10-12:05 TTh, Kolthoff Hall 139, In Person Term Based; Olga Salazar Pozos ; 5 cr.

3011W Spanish Grammar and Composition Workshop**(Student Option; Prereq: [1004 or 1014 or 1044], LPE passWI)**

- 18328 001 LEC, 10:10-12:05 MW, Kolthoff Hall 140, In Person Term Based; Elsa Maxwell ; 4 cr.

3015V Honors: Spanish Composition and Communication**(A-F or Audit; Prereq: SPAN LPE pass, Honors studentWI)**

- 33352 001 LEC, 10:10-12:05 MW, Nicholson Hall 115, In Person Term Based; Begona Orive-Abad ; 4 cr.

3015W Spanish Composition and Communication**(Student Option; Prereq: SPAN LPE passWI)**

- 18323 001 LEC, 08:00-09:55 MW, Folwell Hall 12, In Person Term Based; Anne Hoffman-Gonzalez ; 4 cr.
- 18324 003 LEC, 10:10-12:05 MW, Kolthoff Hall 139, In Person Term Based; Leiry Warren ; 4 cr.
- 18325 004 LEC, 10:10-12:05 TTh, Blegen Hall 215, In Person Term Based; Begona Orive-Abad ; 4 cr.

18326 005 LEC, 10:10-12:05 MW, Kolthoff Hall 138, In Person Term Based; Sabrina Fluegel ; 4 cr.
 18327 006 LEC, 12:20-14:15 MW, Akerman Hall 327, In Person Term Based; Begona Orive-Abad ; 4 cr.
 18428 008 LEC, 12:20-14:15 TTh, Folwell Hall 112, In Person Term Based; Michael Arnold ; 4 cr.
 18836 009 LEC, 14:30-16:25 MW, Folwell Hall 122, In Person Term Based; Stephanie Anderson ; 4 cr.
 18877 010 LEC, 14:30-16:25 TTh, Folwell Hall 4, In Person Term Based; Michael Arnold ; 4 cr.
 19366 011 LEC, 12:20-13:10 MW, Twin Cities Remote, Completely Online; Alicia Ocampo ; 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 Pass)WI)
 21118 001 LEC, 14:30-16:25 MW, Folwell Hall 28, In Person Term Based; 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)
 33359 001 LEC, 12:20-14:15 MW, Nicholson Hall 355, In Person Term Based; Anne Hoffman-Gonzalez ; 4 cr.

3044 Advanced Medical Spanish

(Student Option; Prereq: a grade of C- or better in SPAN 3015W or 3015V)
 21092 001 LEC, 12:20-14:15 TTh, Nicholson Hall 315, In Person Term Based; 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 3019W(LTR,WI)
 18062 003 LEC, 09:45-11:00 TTh, Kolthoff Hall 133, In Person Term Based; Eva Palma Zuniga ; 3 cr.
 19268 004 LEC, 13:00-14:15 TTh, Kolthoff Hall 132, In Person Term Based; Eva Palma Zuniga ; 3 cr.
 19410 005 LEC, 14:30-15:45 MW, Folwell Hall 103, In Person Term Based; Ariel Arjona Hernandez ; 3 cr.

3105V Honors: Introduction to the Study of Hispanic Cultures

(A-F only; WI)
 21119 001 LEC, 11:15-12:30 MW, Folwell Hall 108, In Person Term Based; Meets With: 006 SPAN 3105W; Erma Nezirevic ; 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 3019WWW)
 18156 001 LEC, 08:15-09:30 TTh, Folwell Hall 12, In Person Term Based; Eva Palma Zuniga ; 3 cr.
 18157 002 LEC, 09:45-11:00 MW, Peik Hall 215, In Person Term Based; Eva Palma Zuniga ; 3 cr.
 18833 004 LEC, 13:00-14:15 MW, Kolthoff Hall 134, In Person Term Based; Erma Nezirevic ; 3 cr.
 19154 005 LEC, 14:30-15:45 TTh, Smith Hall 111, In Person Term Based; Jaime Hanneken ; 3 cr.
 20633 006 LEC, 11:15-12:30 MW, Folwell Hall 108, In Person Term Based; Meets With: 001 SPAN 3105V; Erma Nezirevic ; 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 3019WWW)
 18063 002 LEC, 11:15-12:30 TTh, Folwell Hall 120, In Person Term Based; Francisco Ocampo ; 3 cr.
 18064 003 LEC, 13:00-14:15 MW, Kolthoff Hall 133, In Person Term Based; Timothy Face ; 3 cr.
 21098 005 LEC, 14:30-15:45 MW, Folwell Hall 6, In Person Term Based; Anne Hoffman-Gonzalez ; 3 cr.

3211 Interpreting Imperial Spain, 1492-1800

(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)
 18116 001 LEC, 11:15-12:30 TTh, Kolthoff Hall 132, In Person Term Based; Collin Diver ; 3 cr.

3221 Interpreting Colonial Latin America: Empire and Early Modernity

(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)
 19741 001 LEC, 13:00-14:15 TTh, Folwell Hall 12, In Person Term Based; Raul Marrero-Fente ; 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)
 18095 002 LEC, 13:25-15:55 T, Blegen Hall 215, In Person Term Based; Kathleen Ganley ; 3 cr.
 19894 003 LEC, 14:30-17:00 W, Tate Hall B45, In Person Term Based; 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.)
 33017 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 3105W)
 21520 001 LEC, 08:15-09:30 TTh, Folwell Hall 116, In Person Term Based; Collin Diver ; 3 cr.

3503 Pre-modern Spanish Culture and Thought

(Student Option; Prereq: A Grade of C- or better in SPAN 3104W or SPAN 3104V or TLDO 3104W or ARGN 3104W or SPAN 3105W or TLDO 3105W or SPAN 3105V HIS)
 32705 001 LEC, 09:45-11:00 MW, Folwell Hall 116, In Person Term Based; Magaly Ortiz ; 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)
 33549 001 LEC, 11:15-12:30 TTh, Folwell Hall 108, In Person Term Based; Raul Marrero-Fente ; 3 cr.
 33550 002 LEC, 14:30-15:45 MW, Tate Hall 120, In Person Term Based; Ofelia Ferran ; 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)
 18132 001 LEC, 13:00-14:15 MW, Folwell Hall 116, In Person Term Based; Luis Ramos-Garcia ; 3 cr.
 21099 002 LEC, 16:00-17:15 TTh, Folwell Hall 106, In Person Term Based; Jaime Hanneken ; 3 cr.

3603 Jews and Muslims in Medieval Iberia

(Student Option; AH)
 33152 001 LEC, 09:45-11:00 TTh, Folwell Hall 116, In Person Term Based; Michelle Hamilton ; 3 cr.

3701 Structure of Spanish: Phonology and Phonetics

(Student Option; Prereq: A C- or better in Span 3107W or TLDO 3107W)
 21109 001 LEC, 11:15-12:30 MW, Folwell Hall 116, In Person Term Based; Timothy Face ; 3 cr.

3703 Origins and History of Spanish and Portuguese

(Student Option; Prereq: A Grade of C- or better in Span 3107W or TLDO 3107W)
 18838 001 LEC, 13:00-14:15 TTh, Folwell Hall 116, In Person Term Based; Francisco Ocampo ; 3 cr.

3704 Sociolinguistics of the Spanish-Speaking World

(Student Option; Prereq: A C- or better in Span 3107W or TLDO 3107W)
 20154 001 LEC, 14:30-15:45 MW, Folwell Hall 3, In Person Term Based; Carol Klee ; 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)
 33551 001 LEC, 09:45-11:00 MW, Appleby Hall 204, In Person Term Based; Osiris Gomez ; 3 cr.

3807 Medical Humanities and Latin American Film: Narratives of Health, Illness & Trauma

(Student Option; Prereq: A Grade of C- or better in SPAN 3104W or SPAN 3104V or TLDO 3104W or ARGN

3104W or SPAN 3105W or TLDO 3105W or SPAN 3105V or instr consentAH)
 21522 001 LEC, 09:45-11:00 T, Scott Hall 4, Partially Online; Ana Forcinito ; 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)
 33552 001 LEC, 13:00-14:15 MW, Tate Hall 120, In Person Term Based; Ofelia Ferran ; 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)
 33553 001 LEC, 11:15-12:30 MW, Kolthoff Hall 133, In Person Term Based; Osiris Gomez ; 3 cr.

4001 Beginning Spanish for Graduate Student Research

(Student Option No Audit; Prereq: Less than 2 yrs of High School Spanish, and dept consent)
 20652 004 DIS, 13:25-14:15 MTWTh, Folwell Hall 32, Partially Online; Meets With: 004 SPAN 1001; Cecily Brown ; 5 cr.

4022 Alternate Second-Semester Spanish for Graduate Student Research

(Student Option No Audit;)
 19156 004 DIS, 09:05-09:55 MTWTh, Folwell Hall 16, In Person Term Based; Meets With: 004 SPAN 1022; Cristina Castro ; 5 cr.
 34356 010 DIS, 12:20-13:10 MTWTh, Folwell Hall 18, In Person Term Based; Meets With: 010 SPAN 1022; Marisol Galicia Estevez ; 5 cr.

5590 The Impact of Globalization in Latin American Discourses

(Student Option;)
 33554 001 LEC, 09:45-12:45 F, Folwell Hall 107, In Person Term Based; Ana Forcinito ; 3 cr.

5717 Spanish Sociolinguistics

(Student Option; Prereq: Grad student or instr consent)
 32707 001 DIS, 11:15-12:30 MW, Folwell Hall 107, In Person Term Based; Carol Klee ; 3 cr.

5920 Topics in Spanish-American Studies

(Student Option; Prereq: Grad student or instr consent)
 33555 001 LEC, 14:30-15:45 MW, Folwell Hall 107, In Person Term Based; Luis Ramos-Garcia ; 3 cr.

5991 The Acquisition of Spanish as a First and Second Language

(Student Option; Prereq: Grad student or instr consent)
 32708 001 LEC, 11:15-12:30 TTh, Folwell Hall 107, In Person Term Based; Mandy Menke ; 3 cr.

5993 Directed Studies

(Student Option; Prereq: Grad student or instr consent.)
 18824 002 IND, 00:00-00:00 , , In Person Term Based; Ofelia Ferran ; 1-4 cr.
 19962 003 IND, 00:00-00:00 , , In Person Term Based; Osiris Gomez ; 1-4 cr.

Spanish and Portuguese (SPPT)

5995 Directed Teaching

(S-N only; Prereq: Grad student with concurrent enrollment in 5999)
 20109 001 LEC, 13:00-14:15 Th, Folwell Hall 118, In Person Term Based; Mandy Menke ; 1 cr.

5999 The Teaching of College-Level Spanish: Theory and Practice

(Student Option; Prereq: Grad or instr consent)
 18055 001 LEC, 14:30-17:00 T, Folwell Hall 8, In Person Term Based; Meets With: 001 GSD 5103001 FRIT 5999; Kate Paesani ; 3 cr.

Speech-Language-Hearing Sci (SLHS)

1301V Physics and Biology of the Voice Honors

(A-F or Audit; PHYS,WI)

20012 001 LEC, 15:35-16:50 TTh, Shevlin Hall 110, In Person Term Based; Meets With: 001 SLHS 1301W; Yang Zhang ; 4 cr.
20013 002 LAB, 10:15-11:45 M, Twin Cities Remote, Completely Online; Meets With: 002 SLHS 1301W; 4 cr.

1301W Physics and Biology of the Voice

(Student Option; PHYS,WI)
17783 001 LEC, 15:35-16:50 TTh, Shevlin Hall 110, In Person Term Based; Meets With: 001 SLHS 1301V; Yang Zhang ; 4 cr.
17784 002 LAB, 10:15-11:45 M, Twin Cities Remote, Completely Online; Meets With: 002 SLHS 1301V; 4 cr.
17785 005 LAB, 10:15-11:45 F, Twin Cities Remote, Completely Online; 4 cr.
21946 006 LAB, 12:00-13:30 W, Twin Cities Remote, Completely Online; 4 cr.

1401 Introduction to Speech-Language

Pathology & Audiology
(Student Option; SOCS)
17786 001 LEC, 09:45-11:00 TTh, Rapson Hall 45, In Person Term Based; Meets With: 001 SLHS 3401; Olivia Matthys ; 3 cr.

1914 Communication Disorders and

Neurodiversity
(A-F only ;)
33922 001 DIS, 13:00-14:15 MW, Shevlin Hall 110, In Person Term Based; Jayanthi Sasisekaran ; 3 cr.

3302 Anatomy and Physiology of the Speech and Hearing Mechanisms

(Student Option;)
17787 001 LEC, 14:30-15:45 TTh, Nicholson Hall 155, In Person Term Based; Peter Watson ; 3 cr.

3305W Speech Science

(Student Option; WI)
19351 001 LEC, 11:15-12:30 TTh, Tate Hall 105, In Person Term Based; Peter Watson ; 3 cr.

3401 Introduction to Speech-Language Pathology & Audiology

(Student Option; SOCS)
19147 001 LEC, 09:45-11:00 TTh, Rapson Hall 45, In Person Term Based; Meets With: 001 SLHS 1401; Olivia Matthys ; 3 cr.

3994 Directed Research

(Student Option; Prereq: Undergrad doing research)
19026 001 IND, 00:00-00:00 , , In Person Term Based; ; 1-12 cr.
19027 002 IND, 00:00-00:00 , , In Person Term Based; Matthew Winn ; 1-12 cr.
19028 003 IND, 00:00-00:00 , , In Person Term Based; Katlyn McGrattan ; 1-12 cr.
19029 004 IND, 00:00-00:00 , , In Person Term Based; Lizbeth Finestack ; 1-12 cr.
19260 007 IND, 00:00-00:00 , , In Person Term Based; Benjamin Munson ; 1-12 cr.
19261 008 IND, 00:00-00:00 , , In Person Term Based; Peggy Nelson ; 1-12 cr.
19262 011 IND, 00:00-00:00 , , In Person Term Based; Jayanthi Sasisekaran ; 1-12 cr.
19263 012 IND, 00:00-00:00 , , In Person Term Based; Robert Schlauch ; 1-12 cr.
19264 013 IND, 00:00-00:00 , , In Person Term Based; Peter Watson ; 1-12 cr.
19459 015 IND, 00:00-00:00 , , In Person Term Based; Yang Zhang ; 1-12 cr.
20486 016 IND, In Person Term Based; Evelyn Davies-Venn ; 1-12 cr.
21800 005 IND, 00:00-00:00 , , In Person Term Based; Natalie Covington ; 1-12 cr.
21801 006 IND, 00:00-00:00 , , In Person Term Based; Kerry Ebert ; 1-12 cr.

4301 Introduction to the Neuroscience of Human Communication

(Student Option;)
18842 001 LEC, 13:00-14:15 TTh, Shevlin Hall 20, In Person Term Based; Natalie Covington ; 3 cr.

4402 Clinical Methods in Speech-Language Pathology

(A-F or Audit; Prereq: [1401 OR 3401, 3302, 3303, 3304, 4301 (either before registration for 4402 or concurrent registration is required (or allowed) in 4402]), or grad student, or instr consent)
18830 001 LEC, 14:30-15:45 TTh, Shevlin Hall 20, In Person Term Based; Kerry Ebert ; 3 cr.

4801 Clinical methods in assessing auditory function and disorders

(Student Option; Prereq: [3302, 3305W] or instr consent)
20615 001 LEC, 12:00-13:15 MW, Shevlin Hall 20, In Person Term Based; Melissa Polonenko ; 3 cr.

5401 Counseling and Professional Issues

(Student Option; Prereq: [[concurrent registration is required (or allowed) in 8720 or concurrent registration is required (or allowed) in 8820], grad student] recommended)
17788 001 LEC, 16:30-19:10 T, Shevlin Hall 20, In Person Term Based; Rebecca Lulai, Kerry Witherell ; 3 cr.

5503 Stuttering Motor Speech Disorders

(Student Option; Prereq: graduate SLHS student or department permission, [3305, 4301] or instr consent)
19917 001 LEC, 09:00-11:30 M, Shevlin Hall 20, In Person Term Based; Jayanthi Sasisekaran ; 3 cr.

5602 Speech Sound Disorders: Assessment and Treatment across Languages

(Student Option; Prereq: [3303, 3304, 4601] or instr consent)
19918 001 LEC, 08:00-10:30 T, Shevlin Hall 20, In Person Term Based; Hannah Julien ; 3 cr.

5603 Assessment and Intervention of

Language Disorders in Children
(Student Option; Prereq: 3303 or CDIS 3303 or equiv or grad student or instr consent)
19331 001 LEC, 17:00-19:30 Th, Shevlin Hall 110, In Person Term Based; Jill Rentmeester Disher ; 3 cr.

5606 Introduction to Augmentative and Alternative Communication

(Student Option;)
34291 001 LEC, 09:30-11:00 F, Shevlin Hall 110, In Person Term Based; Kate Nilson ; 3 cr.

5801 Advanced Audiologic Assessment

(Student Option; Prereq: 4801 or CDIS 4801 or instr consent)
17789 001 LEC, 09:00-11:30 W, Shevlin Hall 125, In Person Term Based; Robert Schlauch ; 3 cr.

5802 Hearing Aids I

(Student Option; Prereq: [[3305, 4801] or [CDIS 3305, CDIS 4801], SLHS grad] or instr consent)
17790 001 LEC, 13:30-16:00 M, Shevlin Hall 20, In Person Term Based; Michael Smith ; 3 cr.
21918 002 LAB, In Person Term Based; ; 3 cr.

5806 Auditory Disorders in Children

(A-F or Audit; Prereq: [4802 or CDIS 4802, SLHS grad] or instr consent)
20423 001 LEC, 14:30-17:15 W, Shevlin Hall 110, In Person Term Based; Melissa Polonenko ; 3 cr.

5807 Noise and Hearing Conservation

(A-F or Audit; Prereq: [8801, 8802] or [CDIS 8801, CDIS 8802])
20448 001 LEC, 15:00-17:45 M, Appleby Hall 11, In Person Term Based; Peggy Nelson ; 3 cr.

5810 Laboratory Module in Audiology

(A-F only; Prereq: [4801 or CDIS 4801, SLHS grad] or instr consent)
17791 001 LAB, 08:00-10:00 M, Shevlin Hall 125, In Person Term Based; Kerry Witherell ; 1-2 cr.
20489 002 LAB, 10:00-12:00 M, Shevlin Hall 125, In Person Term Based; 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)
18845 001 DIS, 10:00-11:30 F, Shevlin Hall 20, In Person Term Based; Kerry Witherell ; 1-6 cr.

5830 Clinical Foundations in Audiology

(S-N or Audit; Prereq: Grad SLHS major)
19456 001 FWK, 00:00-00:00 , , In Person Term Based; Kerry Witherell ; 1-8 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)
18159 001 IND, 00:00-00:00 , , In Person Term Based; ; 1-12 cr.
18458 008 IND, 00:00-00:00 , , In Person Term Based; Benjamin Munson ; 1-12 cr.
18703 010 IND, 00:00-00:00 , , In Person Term Based; Peter Watson ; 1-12 cr.
18704 012 IND, 00:00-00:00 , , In Person Term Based; Jayanthi Sasisekaran ; 1-12 cr.
18705 009 IND, 00:00-00:00 , , In Person Term Based; Peggy Nelson ; 1-12 cr.
18706 003 IND, 00:00-00:00 , , In Person Term Based; Katlyn McGrattan ; 1-12 cr.
18707 004 IND, 00:00-00:00 , , In Person Term Based; Matthew Winn ; 1-12 cr.
18708 002 IND, 00:00-00:00 , , In Person Term Based; Yang Zhang ; 1-12 cr.
18735 005 IND, 00:00-00:00 , , In Person Term Based; Lizbeth Finestack ; 1-12 cr.
18987 013 IND, 00:00-00:00 , , In Person Term Based; Robert Schlauch ; 1-12 cr.
20525 014 IND, 00:00-00:00 , , In Person Term Based; Evelyn Davies-Venn ; 1-12 cr.

Sport Management (SMGT)**1701 Introduction to Sport Management**

(A-F or Audit;)
16773 001 LEC, 09:45-11:00 TTh, Molecular Cellular Biol 3-120, In Person Term Based; 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.)
16774 001 LEC, 11:15-12:30 MW, Akerman Hall 225, In Person Term Based; Leila Riley ; 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.)
16775 001 LEC, 13:00-14:15 MW, Elliott Hall N119, In Person Term Based; Kevin King ; 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.)
16776 001 LEC, 09:45-11:00 MW, Nicholson Hall 35, In Person Term Based; Kevin King ; 3 cr.
33466 002 LEC, 11:15-12:30 TTh, Cooke Hall 214, In Person Term Based; Michael Jonas ; 3 cr.

3501 Sport in a Diverse Society

(A-F only; DSJ,SOCS)
16777 001 LEC, 11:15-12:30 TTh, Cooke Hall 206, In Person Term Based; Vicki Schull ; 3 cr.
16814 003 LEC, 08:15-09:30 TTh, Cooke Hall 206, In Person Term Based; Courtney Boucher ; 3 cr.
16868 004 LEC, 11:15-12:30 MW, Cooke Hall 206, In Person Term Based; Vicki Schull ; 3 cr.
17019 005 LEC, 17:00-18:15 MW, Cooke Hall 206, In Person Term Based; Leo Lewis ; 3 cr.
17145 002 LEC, 13:00-14:15 TTh, Cooke Hall 214, In Person Term Based; Meets With: 001 SMGT 3501H; Dunja Antunovic ; 3 cr.

3501H Sport in a Diverse Society: Honors

(A-F only; Prereq: Honors student DSJ,SOCS)
17198 001 LEC, 13:00-14:15 TTh, Cooke Hall 214, In Person Term Based; Meets With: 002 SMGT 3501; Dunja Antunovic ; 3 cr.

3601 Ethics and Values in Sport

(A-F or Audit; Prereq: SMGT major and 60 credits completed or in progress.)
16778 001 LEC, 14:30-16:10 W, Cooke Hall 215, In Person Term Based; Jazmin Danielson ; 2 cr.

3631 Sport Marketing

(A-F only; Prereq: SMGT Major or SMGT Minor, or instructor consent AND 45 credits completed or in progress.)

17295 002 LEC, 13:00-14:15 TTh, Rapson Hall 43, In Person Term Based; Clinton Warren, PhD ; 3 cr.

3632 Sport Sales and Fund-raising

(A-F only; Prereq: Sport Management major or minor or instr consent)

16854 001 LEC, 08:15-09:30 TTh, Akerman Hall 225, In Person Term Based; 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.)

16779 001 LEC, 16:00-17:15 TTh, Akerman Hall 209, In Person Term Based; Andrew Nelson ; 3 cr.

3881W Senior Seminar in Sport Management

(A-F or Audit; WI)

16780 001 LEC, 14:30-17:00 M, Mechanical Engineering 321, In Person Term Based; Mitchell McSweeney ; 3 cr.
17036 003 LEC, 16:40-19:10 M, Pillsbury Hall 214, In Person Term Based; Leila Riley ; 3 cr.

3993 Directed Study in Sport Management

(A-F only;)

16839 005 IND, 00:00-00:00 , , Independent/Directed Study; Vicki Schull ; 1-4 cr.
16840 009 IND, 00:00-00:00 , , Independent/Directed Study; Lisa Kihl ; 1-4 cr.
17107 015 IND, 00:00-00:00 , , In Person Term Based; Nicole LaVoI ; 1-4 cr.
17532 017 IND, In Person Term Based; Clinton Warren, PhD ; 1-4 cr.
17648 018 IND, In Person Term Based; Landy Lu ; 1-4 cr.
17649 019 IND, In Person Term Based; Kevin King ; 1-4 cr.
17650 020 IND, In Person Term Based; Dunja Antunovic ; 1-4 cr.

3996 Practicum: The Sport Experience

(S-N only; Prereq: 3881, SMGT major, instr consent)

17020 002 FWK, In Person Term Based; Kevin King ; 2-8 cr.

Statistics (STAT)

1001 Introduction to the Ideas of Statistics

(Student Option; Prereq: Mathematics requirement for admission to UniversityMATH)

18743 001 LEC, 10:10-11:00 MWF, Mechanical Engineering 221, In Person Term Based; Georgia(Zhuozhi) Huang ; 4 cr.
18744 002 LAB, 09:05-09:55 T, Amundson Hall 240, In Person Term Based; 4 cr.

3011 Introduction to Statistical Analysis

(Student Option; MATH)

17813 001 LEC, 09:05-09:55 MWF, Anderson Hall 230, 17:00-18:30 Th, Room TBA, 17:00-18:30 Th, Room TBA, In Person Term Based; Xiangyu Zhang ; 4 cr.
17814 002 LAB, 08:00-08:50 T, Ford Hall 127, In Person Term Based; 4 cr.
17815 003 LAB, 09:05-09:55 T, Mechanical Engineering 25, In Person Term Based; 4 cr.
17816 007 LAB, 10:10-11:00 T, Blegen Hall 240, In Person Term Based; 4 cr.
17817 008 LAB, 11:15-12:05 T, Blegen Hall 125, In Person Term Based; 4 cr.
17818 009 LAB, 12:20-13:10 T, Folwell Hall 6, In Person Term Based; 4 cr.
17819 010 LAB, 08:00-08:50 T, Akerman Hall 211, In Person Term Based; 4 cr.
17820 015 LEC, 10:10-11:00 MWF, Tate Hall 105, 17:00-18:30 Th, Room TBA, 17:00-18:30 Th, Room TBA, In Person Term Based; Yuyoung Park ; 4 cr.
17821 012 LAB, 09:05-09:55 Th, Pillsbury Hall 214, In Person Term Based; 4 cr.
17822 013 LAB, 10:10-11:00 T, Blegen Hall 335, In Person Term Based; 4 cr.
17823 014 LAB, 11:15-12:05 T, Blegen Hall 240, In Person Term Based; 4 cr.
17824 015 LAB, 12:20-13:10 T, Folwell Hall 5, In Person Term Based; 4 cr.
17825 016 LEC, 11:15-12:05 MWF, Vincent Hall 16, 17:00-18:30 Th, Room TBA, 17:00-18:30 Th, Room TBA, In Person Term Based; Yuyoung Park ; 4 cr.
19334 004 LAB, 10:10-11:00 T, Peik Hall 225, In Person Term Based; 4 cr.
19335 005 LAB, 11:15-12:05 T, Blegen Hall 205, In Person Term Based; 4 cr.

19338 006 LEC, 08:00-08:50 MWF, Tate Hall 101, 17:00-18:30 Th, Room TBA, 17:00-18:00 Th, Room TBA, In Person Term Based; Yu Yang ; 4 cr.

21837 017 LAB, 10:10-11:00 T, Blegen Hall 145, In Person Term Based; 4 cr.
21838 018 LAB, 11:15-12:05 T, Peik Hall 28, In Person Term Based; 4 cr.
21839 019 LAB, 12:20-13:10 T, Folwell Hall 30, In Person Term Based; 4 cr.
21840 020 LAB, 13:25-14:15 T, Peik Hall 225, In Person Term Based; 4 cr.
21841 021 LEC, 12:20-13:10 MWF, Nicholson Hall 155, 17:00-18:30 Th, Room TBA, 17:00-18:30 Th, Room TBA, In Person Term Based; Yuyoung Park ; 4 cr.
21849 022 LAB, 11:15-12:05 T, Carlson School of Mgmt L-122, In Person Term Based; 4 cr.
21850 023 LAB, 12:20-13:10 T, Folwell Hall 3, In Person Term Based; 4 cr.
21851 024 LAB, 13:25-14:15 T, Ford Hall B10, In Person Term Based; 4 cr.
21852 025 LAB, 13:25-14:15 T, Hubert H. Humphrey School 35, In Person Term Based; 4 cr.

3021 Introduction to Probability and Statistics

(Student Option; Prereq: Math 1272)

21673 001 LEC, 11:15-12:05 MWF, Mayo Bldg & Additions C231, In Person Term Based; Eugenie Ngandjeu Nya ; 3 cr.
21674 002 LEC, 14:30-15:20 MWF, Nicholson Hall 35, In Person Term Based; Eugenie Ngandjeu Nya ; 3 cr.
21675 003 LEC, 13:25-14:15 MWF, Smith Hall 331, In Person Term Based; Fikri Goksu ; 3 cr.
21779 004 LEC, 10:10-11:00 MWF, Nicholson Hall 275, In Person Term Based; Tuan Pham ; 3 cr.
21780 005 LEC, 09:05-09:55 MWF, Anderson Hall 330, In Person Term Based; Yuyuan Wang ; 3 cr.
34194 006 LEC, 12:20-13:10 MWF, Blegen Hall 10, In Person Term Based; Christina Zhao ; 3 cr.

3022 Data Analysis

(Student Option; Prereq: 3011 or 3021 or SOC 3811)

17826 001 LEC, 11:15-12:05 MWF, Smith Hall 331, In Person Term Based; Arnold Johnson ; 4 cr.
17827 002 LAB, 12:20-13:10 T, Bruininks Hall 512B, In Person Term Based; 4 cr.
17828 003 LAB, 14:30-15:20 T, Peik Hall 225, In Person Term Based; 4 cr.
20293 004 LAB, 10:10-11:00 T, Carlson School of Mgmt 2-213, In Person Term Based; 4 cr.

3032 Regression and Correlated Data

(Student Option; Prereq: STAT 3011 or STAT 3021)

20246 001 LEC, 15:35-16:25 MWF, Rapson Hall 45, In Person Term Based; Georgia(Zhuozhi) Huang ; 4 cr.
20247 002 LAB, 10:10-11:00 T, Carlson School of Mgmt 2-215, In Person Term Based; 4 cr.
20248 003 LAB, 11:15-12:05 T, Blegen Hall 435, In Person Term Based; 4 cr.
20438 005 LEC, 14:30-15:20 MWF, Rapson Hall 45, In Person Term Based; Robert Vandenberg ; 4 cr.
20439 006 LAB, 14:30-15:20 T, Appleby Hall 302, In Person Term Based; 4 cr.
20440 007 LAB, 13:25-14:15 T, Blegen Hall 435, In Person Term Based; 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))

21676 001 LEC, 12:20-13:10 MWF, Ford Hall 130, In Person Term Based; Jiaying Zhou ; 4 cr.
21677 002 LAB, 08:00-08:50 W, Mechanical Engineering 321, In Person Term Based; 4 cr.

3701 Introduction to Statistical Computing

(A-F only; Prerequisites: (MATH 1272 or 1372 or 1572H), CSCI 1113, and STAT 3032)

20426 001 LEC, 12:20-13:10 MWF, Mayo Bldg & Additions C231, In Person Term Based; Charles Geyer ; 4 cr.
20427 002 LAB, 15:35-16:25 Th, Akerman Hall 225, In Person Term Based; 4 cr.
21310 003 LAB, 12:20-13:10 T, Peik Hall 335, In Person Term Based; 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))

20342 001 LEC, 10:10-11:00 MWF, Anderson Hall 330, In Person Term Based; Barbara Kuzmak ; 4 cr.
20343 003 LAB, 10:10-11:00 T, Carlson School of Mgmt 1-147, In Person Term Based; 4 cr.

4052 Introduction to Statistical Learning

(A-F only; Prerequisites: STAT 4051 and (STAT 4102 or STAT 5102))

20637 001 LEC, 10:10-11:00 MWF, Ford Hall 130, In Person Term Based; Sara Algeri ; 4 cr.
20638 002 LAB, 10:10-11:00 T, Anderson Hall 270, In Person Term Based; 4 cr.

4101 Theory of Statistics I

(Student Option; Prereq: Math 1272 or Math 1372 or Math 1572H)

17990 001 LEC, 14:30-15:20 MWF, Anderson Hall 230, In Person Term Based; Yuefei Shen ; 4 cr.
17991 002 LAB, 13:25-14:15 T, Blegen Hall 135, In Person Term Based; 4 cr.
19690 003 LAB, 14:30-15:20 T, Scott Hall 4, In Person Term Based; 4 cr.
21781 004 LAB, 12:20-13:10 T, Appleby Hall 204, In Person Term Based; 4 cr.

4102 Theory of Statistics II

(Student Option; Prereq: 4101)

20428 001 LEC, 14:30-15:20 MWF, Keller Hall 3-115, In Person Term Based; He Zhou ; 4 cr.
21390 002 DIS, 13:25-14:15 T, Ford Hall 130, In Person Term Based; 4 cr.
21391 003 DIS, 14:30-15:20 T, Vincent Hall 207, In Person Term Based; 4 cr.

4893W Consultation and Communication for Statisticians

(A-F only; Prereq: Senior Statistics MajorWI)

20425 002 LEC, 12:20-13:10 MWF, Vincent Hall 113, In Person Term Based; Barbara Kuzmak ; 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)

17829 001 LEC, 10:10-11:00 MWF, Mechanical Engineering 102, In Person Term Based; Kazeem Adepoju ; 4 cr.
17830 002 LAB, 10:10-11:00 T, Mechanical Engineering 102, In Person Term Based; 4 cr.
20295 883 LEC, 10:10-11:00 MWF, Twin Cities Remote, Completely Online; Kazeem Adepoju ; 4 cr.
20296 884 LAB, 10:10-11:00 T, Twin Cities Remote, Completely Online; 4 cr.

5101 Theory of Statistics I

(Student Option; Prereq: (MATH 2263 or MATH 2374 or MATH 2573H), (CSCI 2033 or MATH 2373 or MATH 2243))

17992 001 LEC, 09:05-09:55 MWF, Keller Hall 3-210, In Person Term Based; Qian Qin ; 4 cr.
17993 002 LAB, 09:05-09:55 T, Keller Hall 3-115, In Person Term Based; 4 cr.
18767 003 LAB, 08:00-08:50 T, Keller Hall 3-111, In Person Term Based; 4 cr.
20915 883 LEC, 09:05-09:55 MWF, Twin Cities Remote, Completely Online; Qian Qin ; 4 cr.
20916 884 LAB, 08:00-08:50 T, Twin Cities Remote, Completely Online; 4 cr.

5102 Theory of Statistics II

(Student Option; Prereq: 5101 or Math 5651)

20441 001 LEC, 14:30-15:20 MWF, Keller Hall 3-230, In Person Term Based; Hui Zou ; 4 cr.
20442 002 LAB, 14:30-15:20 T, Ford Hall B10, In Person Term Based; 4 cr.
20443 003 LAB, 13:25-14:15 T, Keller Hall 3-115, In Person Term Based; 4 cr.
21127 883 LEC, 14:30-15:20 MWF, Twin Cities Remote, Completely Online; Hui Zou ; 4 cr.
21128 884 LAB, 13:25-14:15 T, Twin Cities Remote, Completely Online; 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.)

17869 001 LEC, 13:25-14:15 MWF, Keller Hall 3-125, In Person Term Based; Kazeem Adepoju ; 4 cr.
17870 002 LAB, 11:15-12:05 Th, Mechanical Engineering 102, In Person Term Based; 4 cr.
33252 884 LAB, 11:15-12:05 Th, Twin Cities Remote, Completely Online; 4 cr.
33253 883 LEC, 13:25-14:15 MWF, Twin Cities Remote, Completely Online; Kazeem Adepoju ; 4 cr.
34412 882 LAB, 11:15-12:05 Th, Twin Cities Remote, Completely Online; 4 cr.

5421 Analysis of Categorical Data

(Student Option; Prereq: STAT 3022 or 3032 or 3301 or 5302 or 4051 or 8051 or 5102 or 4102)

20429 001 LEC, 14:30-15:20 MWF, Mechanical Engineering 212, In Person Term Based; Charles Geyer ; 3 cr.
21854 883 LEC, 14:30-15:20 MWF, Twin Cities Remote, Completely Online; Charles Geyer ; 3 cr.

5511 Time Series Analysis

(Student Option; Prereq: STAT 4102 or STAT 5102)
21678 001 LEC, 14:30-15:20 MWF, Akerman Hall 225, In Person Term Based; Charles Doss ; 3 cr.

5701 Statistical Computing

(A-F or Audit; Prereq: (Stat 5102 or Stat 8102) and (Stat 5302 or STAT 8051) or consent)
20051 001 LEC, 10:10-11:00 MWF, Vincent Hall 206, In Person Term Based; Adam Rothman ; 3 cr.

5731 Bayesian Astrostatistics

(A-F only; Prerequisites: MATH 2263 and MATH 2243, or equivalent; or instructor consent Suggested: statistical course at the level of AST 4031, AST 5031, STAT 3021, or STAT 5021)
21818 001 LEC, 09:05-11:00 M, Ford Hall B15, In Person Term Based; Meets With: 100 AST 5731; Galin Jones, Claudia Scarlata ; 4 cr.
21819 002 LAB, 09:05-11:00 W, Keller Hall 4-250, In Person Term Based; Meets With: 101 AST 5731; Galin Jones, Claudia Scarlata ; 4 cr.

5993 Tutorial

(Student Option; Prereq: instr consent)
18461 001 IND, 00:00-00:00 , , In Person Term Based; 1-6 cr.

Stem Cell Biology (SCB)

5051 Stem Cell Biology Practical Training Module

(A-F only; Prereq: Acceptance into stem cell biology master's program)
27835 001 LAB, 00:00-00:00 , Room TBA, In Person Term Based; Susan Keirstead ; 1 cr.

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)
27833 001 LEC, 16:00-17:00 MWF, Room TBA, In Person Term Based; Susan Keirstead ; 2 cr.

5900 Master's Plan B Research Paper and Presentation

(A-F only; Prereq: Admission to stem cell biology master's plan B program)
28452 001 IND, In Person Term Based; Susan Keirstead ; 2 cr.

Studies in Cinema Media Cultur (SCMC)

1201V Honors Course: Cinema

(Student Option; AH,WI)
21591 001 DIS, 14:30-17:30 W, Ford Hall B15, In Person Term Based; Meets With: 001 CSCL 1201V; Michelle Lekas ; 4 cr.

1201W Cinema

(Student Option; AH,WI)
18721 001 LEC, 11:15-14:15 T, Blegen Hall 5, In Person Term Based; Meets With: 001 CSCL 1201W; Michelle Lekas ; 4 cr.
20256 002 DIS, 09:05-09:55 T, Ford Hall 150, In Person Term Based; Meets With: 002 CSCL 1201W; Zosha Winegar-Schultz ; 4 cr.
20257 003 DIS, 09:05-09:55 W, Kolthoff Hall 138, In Person Term Based; Meets With: 003 CSCL 1201W; Brian Tebbitt ; 4 cr.
20258 004 DIS, 10:10-11:00 W, Amundson Hall 156, In Person Term Based; Meets With: 004 CSCL 1201W; Zosha Winegar-Schultz ; 4 cr.
20259 005 DIS, 11:15-12:05 W, Amundson Hall 156, In Person Term Based; Meets With: 005 CSCL 1201W; Zosha Winegar-Schultz ; 4 cr.
20260 006 DIS, 10:10-11:00 Th, Bruininks Hall 117, In Person Term Based; Meets With: 006 CSCL 1201W; Ansel Arnold ; 4 cr.
34137 007 DIS, 11:15-12:05 Th, Appleby Hall 219, In Person Term Based; ; 4 cr.

1202W Media: Word, Image, Sound

(Student Option; AH,WI,TS)

20237 001 LEC, 13:00-14:15 TTh, Rapson Hall 100, In Person Term Based; Meets With: 001 CSCL 1202W; Matthew Henseler ; 4 cr.
20238 002 DIS, 09:05-09:55 M, Kolthoff Hall 135, In Person Term Based; Meets With: 002 CSCL 1202W; Clare Harmon ; 4 cr.
20239 003 DIS, 10:10-11:00 M, Kolthoff Hall 135, In Person Term Based; Meets With: 003 CSCL 1202W; Clare Harmon ; 4 cr.
20240 004 DIS, 10:10-11:00 W, Kolthoff Hall 135, In Person Term Based; Meets With: 004 CSCL 1202W; Leif Turner ; 4 cr.
20241 005 DIS, 09:05-09:55 W, Burton Hall 123, In Person Term Based; Meets With: 005 CSCL 1202W; Leif Turner ; 4 cr.
21102 006 DIS, 10:10-11:00 F, Kolthoff Hall 135, In Person Term Based; Meets With: 006 CSCL 1202W; Leif Turner ; 4 cr.
21588 007 DIS, In Person Term Based; Meets With: 007 CSCL 1202W; 4 cr.

3001W History of Cinema and Media Culture

(Student Option; WI)
20221 001 LEC, 16:00-18:15 TTh, Tate Hall B65, In Person Term Based; Brad Stiffler ; 4 cr.

3201 Fundamentals of Digital Filmmaking (A-F only;)

19909 001 LAB, 13:00-14:55 MW, Blegen Hall 120, In Person Term Based; James Snapko ; 4 cr.

3212W Documentary Cinema: History and Politics

(Student Option No Audit; AH,WI,CIV)
21537 001 LEC, 14:30-17:30 M, Elliott Hall N119, In Person Term Based; Meets With: 001 CSCL 3212W; Brad Stiffler ; 4 cr.

3220W Screen Cultures

(Student Option; AH,WI,TS)
21593 001 LEC, 09:45-12:15 F, Nicholson Hall 125, In Person Term Based; Meets With: 001 CSCL 3220W; Cory Stockwell ; 3 cr.

3221 On Television

(Student Option; CIV)
21234 001 LEC, Completely Online; Meets With: 001 CSCL 3221; Eva Hudecova ; 3 cr.

3896 Internship for Academic Credit

(Student Option;)
21150 001 FWK, In Person Term Based; Graeme Stout ; 1-4 cr.

3993 Directed Study

(Student Option;)
19799 001 IND, 00:00-00:00 , , In Person Term Based; Cesare Casarino ; 1-3 cr.

4993 Directed Study

(Student Option;)
19800 001 IND, 00:00-00:00 , , Independent/Directed Study; Cesare Casarino ; 1-3 cr.

5001 Critical Debates in the Study of Cinema and Media Culture

(Student Option;)
19908 001 LEC, 14:30-15:45 W, Nicholson Hall 325, 14:30-17:30 M, Nicholson Hall 325, In Person Term Based; Graeme Stout ; 4 cr.

5993 Directed Study

(Student Option;)
19801 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;)
23120 001 LEC, 09:45-11:00 TTh, Hanson Hall 1-104, In Person Term Based; Bob Azman ; 3 cr.
23121 002 LEC, 08:15-09:30 MW, Hanson Hall 1-106, In Person Term Based; Siddharth Chandramouli ; 3 cr.
23122 003 LEC, 08:15-09:30 TTh, Hanson Hall 1-106, In Person Term Based; Bob Azman ; 3 cr.
23151 004 LEC, 14:30-15:45 TTh, Hanson Hall 1-104, In Person Term Based; Siddharth Chandramouli ; 3 cr.
23200 005 LEC, 14:30-15:45 MW, Hanson Hall 1-104, In Person Term Based; David Quimby ; 3 cr.
23308 006 LEC, 13:00-14:15 MW, Hanson Hall 1-106, In Person Term Based; Siddharth Chandramouli ; 3 cr.
23377 007 LEC, 14:30-15:45 TTh, Carlson School of Mgmt 2-213, In Person Term Based; Gregory Good ; 3 cr.
32822 008 LEC, 16:00-17:15 MW, Hanson Hall 1-105, In Person Term Based; Sunil Singh ; 3 cr.

3041 Project Management

(A-F or Audit; Prereq: 3000 or instr consent)
23123 001 LEC, 11:50-13:30 MW, Hanson Hall 1-107, In Person Term Based; David Quimby ; 2 cr.

3045 Sourcing and Supply Management

(A-F only; Prereq: 3001)
23124 001 LEC, 11:50-13:30 TTh, Hanson Hall 1-111, In Person Term Based; Natalie Huang ; 2 cr.

3048 Transportation and Logistics Management

(A-F only; Prereq: 3001)
23125 001 LEC, 15:45-17:25 TTh, Hanson Hall 1-111, In Person Term Based; Heather Larson ; 2 cr.

3051 Service Management

(A-F only; Prereq: 3001)
23126 001 LEC, 15:45-17:25 TTh, Hanson Hall 1-111, In Person Term Based; Bob Azman ; 2 cr.

3056 Supply Chain Planning and Control

(A-F or Audit; Prereq: 3001 or instr consent)
23127 001 LEC, 09:55-11:35 MW, Hanson Hall 1-107, In Person Term Based; Necati Ertekin ; 4 cr.
23446 002 LEC, 13:45-15:25 MW, Carlson School of Mgmt L-114, In Person Term Based; Necati Ertekin ; 4 cr.

3059 Quality Management and Lean Six Sigma

(A-F or Audit; Prereq: 3001 or equiv or instr consent)
23128 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt L-114, In Person Term Based; Steven Huchendorf ; 4 cr.
23447 002 LEC, 14:30-16:10 TTh, Carlson School of Mgmt 1-123, In Person Term Based; Steven Huchendorf ; 4 cr.

3072 Managing Technologies in the Supply Chain

(A-F only; Prereq: 3001)
23176 001 LEC, 13:45-15:25 TTh, Hanson Hall 1-111, In Person Term Based; Sunil Singh ; 2 cr.

4065W Supply Chain and Operations

Strategic
(A-F only; Prereq: 3001, 3056, 3059, 4 [OMS or SCO] elective crWI)
23129 001 LEC, 09:55-11:35 TTh, Carlson School of Mgmt L-118, In Person Term Based; David Quimby ; 4 cr.
23448 002 LEC, 13:45-15:25 TTh, Carlson School of Mgmt 1-135, In Person Term Based; David Quimby ; 4 cr.

Sustainability Studies (SUST)

3003 Sustainable People, Sustainable Planet

(Student Option; Prereq: Soph or jr or srENV)

22416 001 LEC, 13:30-14:45 MW, Twin Cities Remote, Completely Online; Jason Hill ; 3 cr.

4004 Sustainable Communities

(A-F only; Prereq: [3003 or GLOS 3304, [jr or sr] in sustainability studies minor] or instr consent)

22436 001 LEC, 17:30-20:00 Th, Bruininks Hall 312, In Person Term Based; David Wanberg, Fatima Bint Tufail ; 3 cr.

4096 Sustainability Internship

(A-F only; Prereq: Familiarity with sustainability concepts through academic work or other experiences)

22670 001 FWK, 16:00-17:15 T, Akerman Hall 227, In Person Term Based; 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)

22626 001 LEC, 00:00-00:00 , , In Person Term Based; Craig Sheaffer ; 1-3 cr.

Sustainable Systems Management (SSM)

1004 Sustainable Systems Management Orientation

(S-N only; Prereq: None)

22622 001 LEC, 15:00-16:55 Th, Borlaug Hall 365, In Person Term Based; Cindy McComas ; 1 cr.

2003 Systems Thinking: Development and Applications in Sustainability

(A-F only;)

22623 001 LEC, 09:30-12:00 M, Ruttan Hall 143, In Person Term Based; Tim Smith ; 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.)

22827 001 IND, In Person Term Based; 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.)

22826 001 IND, In Person Term Based; 1-4 cr.

3301 Global Water Resource Use and Sustainability

(Student Option; ENV)

22634 001 LEC, Completely Online; Gary Sands, Laura Bender ; 3 cr.

3503 Marketing of Bio-based Products

(A-F or Audit;)

22399 001 LEC, Completely Online; Meets With: 001 SSM 5503; Omar Espinoza ; 4 cr.

3612 Systems Approach to Building Science and Construction

(Student Option; Prereq: Upper div or instr consent)

22666 001 LEC, 10:15-12:10 TTh, McNeal Hall 10, In Person Term Based; Meets With: 001 SSM 5612; Aaron Hanson ; 4 cr.

4407W Sustainable Manufacturing Principles and Practices

(A-F only; Prereq: Junior/Senior Status, Introductory Chemistry or instr consentWI)

22400 001 LEC, 10:40-12:35 MW, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 SSM 5407; Omar Espinoza, Cindy McComas ; 3 cr.

4616 Building Science I: Fundamentals

(Student Option; Prereq: SSM 3612/5612 & SSM 4614/5614)

32544 001 LEC, 08:45-11:15 F, Kaufert Laboratory 302, 08:45-10:00 TTh, McNeal Hall 10, In Person Term Based; Meets With: 001 SSM 5616; Patrick Huelman ; 4 cr.

5093 Directed Study

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

22841 001 IND, In Person Term Based; 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.)

22842 001 IND, In Person Term Based; 1-4 cr.

5407 Sustainable Manufacturing Principles and Practices

(A-F only;)

22401 001 LEC, 10:40-12:35 MW, Kaufert Laboratory 302, In Person Term Based; Meets With: 001 SSM 4407W; Omar Espinoza, Cindy McComas ; 3 cr.

5612 Systems Approach to Building Science and Construction

(Student Option; Prereq: Graduate Student)

22667 001 LEC, 10:15-12:10 TTh, McNeal Hall 10, In Person Term Based; Meets With: 001 SSM 3612; Aaron Hanson ; 4 cr.

5616 Building Science I: Fundamentals

(Student Option; Prereq: Grad student or instr consent)

32545 001 LEC, 08:45-11:15 F, Kaufert Laboratory 302, 08:45-10:00 TTh, McNeal Hall 10, In Person Term Based; Meets With: 001 SSM 4616; Patrick Huelman ; 4 cr.

Swahili (SWAH)

1221 Beginning Swahili, Semester I

(Student Option;)

19030 001 LEC, 10:10-12:05 MW, Blegen Hall 435, In Person Term Based; Meets With: 001 SWAH 4221; Angaluki Muaka ; 5 cr.

19053 002 LEC, 18:20-20:50 TTh, Blegen Hall 105, In Person Term Based; Meets With: 002 SWAH 4221; Angaluki Muaka ; 5 cr.

3225 Intermediate Swahili

(Student Option; Prereq: 1 yr Swahili or equiv)

20608 001 LEC, 14:30-15:20 MTWThF, Blegen Hall 230, In Person Term Based; Meets With: 001 SWAH 4225; Angaluki Muaka ; 5 cr.

4221 Beginning Swahili for Graduate Research I

(Student Option;)

19035 001 LEC, 10:10-12:05 MW, Blegen Hall 435, In Person Term Based; Meets With: 001 SWAH 1221; Angaluki Muaka ; 5 cr.

19054 002 LEC, 18:20-20:50 TTh, Blegen Hall 105, In Person Term Based; Meets With: 002 SWAH 1221; Angaluki Muaka ; 5 cr.

4225 Intermediate Swahili for Graduate Research

(Student Option;)

20609 001 LEC, 14:30-15:20 MTWThF, Blegen Hall 230, In Person Term Based; Meets With: 001 SWAH 3225; Angaluki Muaka ; 5 cr.

Swedish (SWED)

1001 Beginning Swedish

(Student Option;)

19201 001 DIS, 11:15-12:05 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 SWED 4001; Lena Norrman ; 5 cr.

1003 Intermediate Swedish

(Student Option; Prereq: 1002)

18503 001 DIS, 13:25-14:15 MTWThF, Folwell Hall 122, In Person Term Based; Meets With: 001 SWED 4003; Lena Norrman ; 5 cr.

4001 Beginning Swedish for Graduate Research

(Student Option;)

18377 001 DIS, 11:15-12:05 MTWThF, Twin Cities Remote, Completely Online; Meets With: 001 SWED 1001; Lena Norrman ; 5 cr.

4003 Intermediate Swedish for Graduate Research

(Student Option;)

18504 001 DIS, 13:25-14:15 MTWThF, Folwell Hall 122, In Person Term Based; Meets With: 001 SWED 1003; Lena Norrman ; 5 cr.

Theatre Arts (TH)

1101V Honors Section: Introduction to the Theater

(A-F only; Prereq: Honors studentAH,WI)

18693 001 LEC, 13:25-15:20 W, Blegen Hall 10, In Person Term Based; Meets With: 001 TH 1101W; Charles Adams ; 3 cr.

18694 081 DIS, 13:25-15:20 F, Rarig Center 210, In Person Term Based; Emily Finck ; 3 cr.

1101W Introduction to the Theatre

(Student Option; AH,WI)

17831 001 LEC, 13:25-15:20 W, Blegen Hall 10, In Person Term Based; Meets With: 001 TH 1101V; Charles Adams ; 3 cr.

18541 002 DIS, 13:25-15:20 M, Hubert H. Humphrey School 15, In Person Term Based; 3 cr.

18542 003 DIS, 13:25-15:20 M, Blegen Hall 235, In Person Term Based; 3 cr.

18543 004 DIS, 13:25-15:20 F, Rarig Center 90, In Person Term Based; 3 cr.

1301 Acting/Non-Majors

(Student Option;)

18650 001 LEC, 18:30-21:30 M, Rarig Center 10, In Person Term Based; T. Mychael Rambo ; 3 cr.

1321 Fundamentals of Acting & Performance

(Student Option;)

19452 001 LAB, 11:15-13:10 MW, Rarig Center 90, In Person Term Based; Kym Longhi ; 3 cr.

19453 002 LAB, 11:15-13:10 MW, Rarig Center 210, In Person Term Based; Luverne Seifert ; 3 cr.

1322 Creating the Performance

(Student Option;)

19454 001 LAB, 13:25-15:20 TTh, Rarig Center 90, In Person Term Based; Luverne Seifert ; 3 cr.

1362 Dance for Musical Theatre

(A-F or Audit;)

32942 001 LAB, 09:05-11:00 TTh, Rarig Center 506 - Studio A, In Person Term Based; Linda Lee ; 2 cr.

1391 BFA Acting I

(A-F or Audit; Prereq: Accepted into BFA acting program)

18810 001 LAB, 15:45-18:15 M, Guthrie Theater, Room 1, 13:25-15:20 T, Rarig Center 20, 12:20-14:15 F, Rarig Center 10, 13:25-14:15 W, Rarig Center 506 - Studio A, 15:15-17:30 Th, Rarig Center 10, 15:35-17:30 T, Rarig Center 20, In Person Term Based; Bruce Roach, Steve Cardamone ; 3 cr.

1392 BFA Voice and Speech I

(A-F or Audit; Prereq: Accepted into BFA acting prog)

18811 001 LAB, 14:30-17:30 WF, Rarig Center 10, In Person Term Based; Lucinda Holshue ; 2 cr.

1393 BFA Movement I

(A-F or Audit; Prereq: BFA-acting major)

18812 001 LAB, 13:25-15:20 M, Rarig Center 630, 13:25-14:55 Th, Rarig Center 20, 11:15-13:10 W, Rarig Center 630, In Person Term Based; Kimberly Richardson, Theodore Roseen, Nicolas Collard, Marciano Silva Dos Santos ; 2 cr.

1501 Introduction to Design for the Theatre

(A-F only;)

19332 001 LEC, 11:15-13:10 TTh, Rarig Center 210, In Person Term Based; Chelsea Masteller Warren ; 3 cr.

1911W Attending (to) Theater

(A-F only; WI)

33128 001 DIS, 18:30-21:30 Th, Hubert H. Humphrey School 60, In Person Term Based; Sonja Kufinec ; 3 cr.

2391 BFA Acting III

(A-F or Audit; Prereq: BFA student in theatre arts)

18817 001 LAB, 15:00-17:30 M, Guthrie Theater, Room 2, 13:25-15:20 T, Rarig Center 10, 13:25-14:15 W, Rarig Center 20, 11:00-17:00 Sa, Lab TBA, 15:35-17:30 F, Rarig Center 20, 19:30-22:30 MTWThF, Lab TBA, 14:30-17:30 W, Rarig Center 20, In Person Term Based; Steve Cardamone, Bruce Roach, Annie Enneking, Keely Wolter ; 3 cr.

2392 BFA Voice and Speech III

(A-F or Audit; Prereq: BFA student in theatre arts)
18813 001 LAB, 15:35-18:00 T, Rarig Center 10, 12:20-15:20 F, Rarig Center 20, 15:35-18:00 Th, Rarig Center 506 - Studio A, In Person Term Based; Lucinda Holshue, Keely Wolter, Samantha Laumann ; 2 cr.

2393 BFA Movement III

(A-F or Audit; Prereq: BFA student in theatre arts)
18818 001 LAB, 13:25-15:20 Th, Rarig Center 506 - Studio A, 11:15-13:10 MW, Rarig Center 506 - Studio A, In Person Term Based; Annie Enneking, Madeleine Rowe ; 2 cr.

3100 Theatre Lab Practicum

(S-N or Audit;)
18671 001 LAB, 13:25-15:20 MW, Lab TBA, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20062 002 LAB, 15:35-17:30 MW, Lab TBA, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20326 003 LAB, 13:25-15:20 TTh, Lab TBA, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20580 004 LAB, 15:35-17:30 TTh, Lab TBA, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20581 005 LAB, 13:25-15:20 WF, Lab TBA, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20582 006 LAB, 15:35-17:30 WF, Lab TBA, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20802 007 LAB, 13:25-17:30 M, Rarig Center 130, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20803 008 LAB, 13:25-17:30 T, Rarig Center 130, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20804 009 LAB, 13:25-17:30 W, Rarig Center 130, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20805 010 LAB, 13:25-17:30 Th, Rarig Center 130, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20880 011 LAB, 13:25-17:30 F, Rarig Center 130, In Person Term Based; Jason Allyn-Schwerin, Zeb Hulst ; 1 cr.
20881 012 LAB, 13:25-15:20 MW, Lab TBA, In Person Term Based; Susan Binder-Pettigrew ; 1 cr.
20960 013 LAB, 13:25-15:20 TTh, Lab TBA, In Person Term Based; Susan Binder-Pettigrew ; 1 cr.
22178 014 LAB, 13:25-17:30 M, Rarig Center 230, In Person Term Based; 1 cr.
33510 015 LAB, 13:25-17:30 T, Rarig Center 230, In Person Term Based; Susan Binder-Pettigrew ; 1 cr.
33511 016 LAB, 13:25-17:30 W, Rarig Center 230, In Person Term Based; Susan Binder-Pettigrew ; 1 cr.
33512 017 LAB, 13:25-17:30 Th, Rarig Center 230, In Person Term Based; Susan Binder-Pettigrew ; 1 cr.
33513 018 LAB, 13:25-17:30 T, Lab TBA, In Person Term Based; Montana Johnson ; 1 cr.
33514 019 LAB, 13:25-17:30 Th, Lab TBA, In Person Term Based; Montana Johnson ; 1 cr.
33515 020 LAB, 13:25-17:30 F, Lab TBA, In Person Term Based; Montana Johnson ; 1 cr.
33516 021 LAB, 13:25-15:20 MW, Lab TBA, In Person Term Based; Bill Healey ; 1 cr.
33517 022 LAB, 15:35-17:30 MW, Lab TBA, In Person Term Based; Bill Healey ; 1 cr.
33518 023 LAB, 13:25-15:20 TTh, Lab TBA, In Person Term Based; Bill Healey ; 1 cr.
33519 024 LAB, 15:35-17:30 TTh, Lab TBA, In Person Term Based; Bill Healey ; 1 cr.
33520 025 LAB, 13:25-17:30 M, Lab TBA, In Person Term Based; Bill Healey ; 1 cr.
33521 026 LAB, 13:25-17:30 T, Lab TBA, In Person Term Based; Bill Healey ; 1 cr.
33522 027 LAB, 13:25-17:30 W, Lab TBA, In Person Term Based; Bill Healey ; 1 cr.
33523 028 LAB, 13:25-17:30 Th, Lab TBA, In Person Term Based; Bill Healey ; 1 cr.
33524 029 LAB, 13:25-17:30 F, Lab TBA, In Person Term Based; Bill Healey ; 1 cr.

3115 Introduction to Playwriting

(Student Option;)
18419 001 LEC, 13:25-16:25 F, Blegen Hall 205, In Person Term Based; Kira Obolensky ; 3 cr.

3171 Western Theatre & Performance

Historiography: Part I
(Student Option;)
18839 001 LEC, 11:15-13:10 TTh, Anderson Hall 330, In Person Term Based; Michal Kobialka ; 3 cr.

3300 Performance & Production Practicum

(S-N only;)
33824 001 LAB, In Person Term Based; Kym Longhi ; 1 cr.
33825 002 LAB, In Person Term Based; Christine Swartwout ; 1 cr.
33826 003 LAB, In Person Term Based; 1 cr.
33843 004 LAB, In Person Term Based; Deborah Pearson ; 1 cr.
34461 005 LAB, In Person Term Based; Qiuxia Welch ; 1 cr.

3321 Acting I

(Student Option;)
20392 001 LAB, 15:35-17:30 TTh, Rarig Center 90, In Person Term Based; Lisa Channer ; 3 cr.

3330 Physical Approaches to Acting

(Student Option; Prereq: 1322, [3314 or concurrent registration is required (or allowed) in 3314], audition, instr consent)
18737 001 LAB, 09:05-11:00 MW, Rarig Center 90, In Person Term Based; Luverne Seifert ; 3 cr.

3370 BA Masterclass

(A-F only;)
20053 001 LAB, 11:15-13:10 F, Rarig Center Studio B, In Person Term Based; Linnea Mohn ; 1 cr.
20054 002 LAB, 11:15-13:10 F, Rarig Center 506 - Studio A, In Person Term Based; Annie Enneking ; 1 cr.
32928 003 LAB, 11:15-13:10 F, Rarig Center 630, In Person Term Based; Sara Marsh ; 1 cr.

3500 Design Practicum

(A-F only;)
33827 001 LAB, In Person Term Based; Christine Swartwout ; 1-2 cr.
33828 002 LAB, In Person Term Based; Christine Swartwout ; 1-2 cr.

3559 Introduction to Sound Design for the

Theatre
(Student Option; Prereq: 1501)
21122 001 LAB, 09:05-11:00 MW, Rarig Center 210, In Person Term Based; Frederick Kennedy ; 3 cr.

3571 Introduction to Technology for the

Theatre
(A-F only; Prereq: 1501)
20774 001 LEC, 11:15-13:10 MW, Rarig Center 190, 11:15-13:10 MW, Rarig Center 185, In Person Term Based; Bill Healey ; 3 cr.

3700 Directing & Dramaturgy Practicum

(A-F only;)
33829 001 LAB, In Person Term Based; Kym Longhi ; 1 cr.

3711 Beginning Directing

(Student Option;)
19914 001 LAB, 15:35-17:30 MW, Rarig Center 90, In Person Term Based; Craig Johnson ; 3 cr.

3716 Stage Management

(A-F only; Prereq: 1501 or instr consent)
19463 001 LAB, 15:35-17:30 TTh, Rarig Center 275, In Person Term Based; Meets With: 001 TH 5716; Christine Swartwout ; 4 cr.

3760 Project Stage Management

(Student Option;)
21513 001 FWK, In Person Term Based; Christine Swartwout ; 2 cr.

3993 Directed Study

(Student Option; Prereq: 6 Th cr, instr consent, dept consent, college consent)
18780 001 IND, In Person Term Based; 1-6 cr.

4177W Analysis of Dramatic Literature

(Student Option; Wl)
18097 001 LEC, 13:25-15:20 TTh, Blegen Hall 260, In Person Term Based; Sonali Pahwa ; 3 cr.

4322 Acting for the Camera

(Student Option; Prereq: 1301 or 3321)
20838 001 LAB, 13:25-15:20 TTh, Rarig Center Studio E, In Person Term Based; Sara Marsh ; 3 cr.

4380 BA Studio Production: Creative

Collaboration
(Student Option;)
33591 001 LAB, 19:00-22:30 MTWThF, Rarig Center 90, In Person Term Based; Barbara Berlovitz ; 1-3 cr.
33592 002 LAB, 19:00-22:30 MTWThF, Rarig Center 90, In Person Term Based; Alexander Hathaway ; 1-3 cr.

4391 BFA Intensive II

(A-F or Audit; Prereq: BFA student in theatre arts)
33347 001 LAB, 14:30-17:30 F, Rarig Center 630, 14:30-17:30 MW, Guthrie Theater, Room 3, In Person Term Based; Steve Cardamone, Bruce Roach, Deborah Pearson, Michelle O'Neill ; 2 cr.

4393 BFA Rehearsal and Performance III

(A-F or Audit; Prereq: BFA student in theatre arts)
33348 001 LAB, 11:00-17:00 Sa, Lab TBA, 19:00-22:00 MTWThF, Lab TBA, In Person Term Based; Deborah Pearson, Craig Johnson, Hayley Finn ; 2 cr.

4394 BFA Rehearsal and Performance IV

(A-F or Audit; Prereq: BFA student in theatre arts)
33349 001 LAB, 11:00-17:00 Sa, Lab TBA, 19:00-22:00 MTWThF, Lab TBA, In Person Term Based; Deborah Pearson ; 2 cr.

4555 Audio Technology

(Student Option; Prereq: 1501 or instr consent)
32937 001 LAB, 10:10-11:00 TTh, Rarig Center 210, 09:05-12:00 F, Rarig Center 210, In Person Term Based; Montana Johnson ; 3 cr.

4901 Capstone Project for Theater

(S-N or Audit; Prereq: Sr, [Th or Dnce major])
18098 001 IND, 00:00-00:00 , , In Person Term Based; Kym Longhi ; 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])
18128 001 IND, 00:00-00:00 , , In Person Term Based; Sonali Pahwa, Margaret Wery ; 2-4 cr.

5100 Theatre Practicum

(Student Option; Prereq: instr consent, dept consent; 4 cr of 3100 for undergrads)
18099 001 FWK, In Person Term Based; 1-4 cr.

5179W Text and Performance

(A-F or Audit; Prereq: [1322, [3171 or 3172]] or grad student Wl)
21140 001 LEC, 11:15-13:10 TTh, Blegen Hall 260, In Person Term Based; Lisa Channer ; 3 cr.

5500 Theatre Design Practicum

(Student Option; Prereq: Th 3521, 3531, or 3541)
18100 001 FWK, In Person Term Based; Marcus Dilliard ; 1-3 cr.
20327 002 FWK, In Person Term Based; Matthew Lefebvre ; 1-3 cr.
20375 003 FWK, In Person Term Based; Chelsea Masteller Warren ; 1-3 cr.
33178 004 FWK, In Person Term Based; Frederick Kennedy ; 1-3 cr.

5520 Scene Design

(Student Option; Prereq: 3521)
32940 001 LAB, 08:00-09:55 TTh, Rarig Center 275, In Person Term Based; Chelsea Masteller Warren ; 3 cr.

5540 Lighting Design for the Theatre

(Student Option; Prereq: 3541)
32941 001 LEC, 11:15-13:10 MW, Rarig Center 275, In Person Term Based; Marcus Dilliard ; 3 cr.

5580 Costume Technology

(Student Option; Prereq: 3571 or grad or instr consent)
33576 001 LEC, 10:10-12:05 TTh, Rarig Center 230, In Person Term Based; Susan Binder-Pettigrew ; 3 cr.
34172 002 LEC, 18:30-21:30 MW, Rarig Center 230, In Person Term Based; 3 cr.

5590 Theatre Technology Practicum

(Student Option; Prereq: 3515, instr consent, dept consent; 4 cr max for undergrads)
20399 001 FWK, In Person Term Based; Marcus Dilliard ; 1-3 cr.
20400 002 FWK, In Person Term Based; Matthew Lefebvre ; 1-3 cr.
20401 003 FWK, In Person Term Based; Chelsea Masteller Warren ; 1-3 cr.
33179 004 FWK, In Person Term Based; Frederick Kennedy ; 1-3 cr.

5716 Stage Management for the Theatre

(Student Option; Prereq: [1101, 1321, soph] or grad)
18101 001 LEC, 15:35-17:30 TTh, Rarig Center 275, In Person Term Based; Meets With: 001 TH 3716; Christine Swartwout ; 4 cr.

5760 Advanced Stage Management

(Student Option;)
18102 001 FWK, In Person Term Based; Christine Swartwout ; 2 cr.

5993 Directed Study

(Student Option; Prereq 6 Th cr, instr consent, dept consent, college consent.)

18103 001 IND, In Person Term Based; 1-5 cr.

Toledo International Program (TLDO)

Toxicology (TXCL)

5000 Directed Research in Toxicology

(A-F or Audit; Prereq: instr consent)
10262 001 LAB, In Person Term Based; 1-5 cr.

5195 Veterinary Toxicology

(A-F or Audit; Prereq: Grad student or instr consent)
10256 001 LEC, 00:00-00:00 , , In Person Term Based; Michael Murphy ; 3 cr.

Urban Studies (URBS)

1001W Introduction to Urban Studies: The Complexity of Metropolitan Life

(A-F or Audit; WI)
18175 001 LEC, 13:00-14:15 MW, Anderson Hall 230, In Person Term Based; Meets With: 001 URBS 3001W; William Lindeke ; 3 cr.

3001W Introduction to Urban Studies: The Complexity of Metropolitan Life

(A-F or Audit; WI)
19664 001 LEC, 13:00-14:15 MW, Anderson Hall 230, In Person Term Based; Meets With: 001 URBS 1001W; William Lindeke ; 3 cr.

3200 Urban Studies Colloquium

(A-F or Audit; Prereq: dept consent)
33561 001 DIS, 17:30-19:30 Th, Hubert H. Humphrey School 50A, In Person Term Based; Eric Wojchik ; 1 cr.
33562 002 DIS, 18:00-20:00 T, Hubert H. Humphrey School 50A, In Person Term Based; Jon Commers ; 1 cr.
33563 003 DIS, 15:30-17:30 Th, Hubert H. Humphrey School 184, In Person Term Based; Matthew Seltzer ; 1 cr.

3500 Urban Studies Workshop

(A-F or Audit; Prereq: instr consent)
33564 001 FWK, 15:00-17:30 W, Blegen Hall 425, In Person Term Based; Susan Carlson Weinberg ; 3 cr.
33565 002 FWK, 15:00-17:30 T, Blegen Hall 135, In Person Term Based; Gretchen Nicholls ; 3 cr.

3896 Urban Studies Internship Seminar

(A-F or Audit; Prereq: Sr, internship placement, dept consent, instr consent)
18320 001 FWK, 13:30-15:00 M, Lab TBA, In Person Term Based; Paula Pentel ; 2 cr.
21231 002 FWK, In Person Term Based; Paula Pentel ; 2 cr.

3955W Senior Paper Seminar

(A-F or Audit; Prereq: dept consentWI)
19323 001 LEC, 09:00-11:00 F, Blegen Hall 425, In Person Term Based; Paula Pentel ; 2 cr.

3993 Urban Studies Directed Study

(Student Option; Prereq UrbS majors, instr consent, dept consent.)
18464 001 IND, In Person Term Based; 1-3 cr.

Urdu (URDU)

1011 Beginning Urdu I

(Student Option No Audit;)
20793 001 LEC, 09:05-09:55 MTWThF, Peik Hall 165, In Person Term Based; Meets With: 001 URDU 4001; 5 cr.

3021 Intermediate Urdu I

(Student Option No Audit;)
20795 001 LEC, 10:10-11:00 MTWThF, Peik Hall 165, In Person Term Based; Meets With: 001 URDU 4003; 5 cr.

3031 Advanced Urdu I

(Student Option No Audit; Prereq: 3022 or instr consent)
21013 001 LEC, 14:30-16:25 MW, Folwell Hall 118, In Person Term Based; Meets With: 001 URDU 4005; Meraj Ahmed ; 4 cr.

4001 Beginning Urdu I for Graduate Student Research

(Student Option No Audit;)
20794 001 LEC, 09:05-09:55 MTWThF, Peik Hall 165, In Person Term Based; Meets With: 001 URDU 1011; 5 cr.

4003 Intermediate Urdu I for Graduate Student Research

(Student Option No Audit;)
20796 001 LEC, 10:10-11:00 MTWThF, Peik Hall 165, In Person Term Based; Meets With: 001 URDU 3021; 5 cr.

4005 Advanced Urdu I for Graduate Research

(Student Option No Audit;)
21014 001 LEC, 14:30-16:25 MW, Folwell Hall 118, In Person Term Based; Meets With: 001 URDU 3031; Meraj Ahmed ; 4 cr.

Veterinary & Biomedical Sci (VBS)

1001 Introduction to Biotechnology

(A-F or Audit; BIOL,TS)
10343 001 LEC, 12:50-13:40 MW, Veterinary Science 145, In Person Term Based; Cheryl Dvorak, Yuying Liang ; 4 cr.
10344 002 LAB, 13:55-15:55 MW, Veterinary Science 325, In Person Term Based; Cheryl Dvorak, Yuying Liang ; 4 cr.

2032 General Microbiology With Laboratory

(A-F only; Prereq: One semester each of college chemistry, biology)
10263 001 LEC, 11:45-12:35 TTh, Ruttan Hall B45, Partially Online; Dawn Foster Hartnett, Cheryl Dvorak ; 5 cr.
10264 002 LAB, 09:15-11:15 TTh, Veterinary Science 325, In Person Term Based; Dawn Foster Hartnett, Cheryl Dvorak ; 5 cr.
10265 003 LAB, 13:00-15:00 TTh, Veterinary Science 325, In Person Term Based; Dawn Foster Hartnett, Cheryl Dvorak ; 5 cr.

Veterinary Clinical Sciences (VCS)

4606 Small Animal Management

(A-F or Audit;)
10284 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Kristy Lashbaugh, Kristi Flynn ; 3 cr.

4992 Directed Readings in Veterinary

Clinical Sciences
(A-F only; Prereq: [One-page proposal, bibliography of works to be read] submitted to faculty)
10276 002 IND, 08:30-09:20 MWF, Room TBA, Independent/ Directed Study; Erin Dickerson ; 1-6 cr.

Veterinary Medicine, Graduate (VMED)

5165 Surveillance of Foodborne Diseases and Food Safety Hazards

(Student Option; Prereq: [PUBH 5330, [professional school or grad student]] or instr consent)
10282 001 LEC, 15:35-17:35 M, Phillips-Wangenstn Bldg 3-156, In Person Term Based; Meets With: 001 PUBH 6181; Craig Hedberg, Scott Wells ; 2 cr.

5180 Ecology of Infectious Disease

(Student Option;)
10279 001 LEC, 09:45-11:00 TTh, Mayo Bldg & Additions D199, In Person Term Based; Meets With: 001 PUBH 6180; Tiffany Wolf, Gillian Tarr ; 3 cr.

5190 Effective Science Communication

(S-N only; Prereq: Grad student)
10266 001 LEC, 13:00-13:50 T, Veterinary Science 215, In Person Term Based; Sandra Godden, Mark Rutherford, Katie Ousley, Liz Pluhar ; 2 cr.

5240 Advanced Small Animal Pathobiology I

(A-F only; Prereq CVM grad student, [DVM or foreign equiv] degree.)
10450 001 LEC, 08:00-09:00 M, No Room Required, In Person Term Based; Ned Patterson ; 1 cr.

5295 Problems in Large Animal Clinical Medicine/Surgery and Theriogenology

(A-F or Audit; Prereq: VMed grad student, possess DVM)
10258 001 LEC, 08:00-09:00 W, No Room Required, Partially Online; Troy Trumble ; 1 cr.

5594 Research in Veterinary Medicine

(Student Option; Prereq: Jr, instr consent)
10273 001 LAB, 00:00-00:00 , , Independent/Directed Study; Ned Patterson ; 1-4 cr.
10280 002 LAB, 00:00-00:00 , , In Person Term Based; Mark Rutherford ; 1-4 cr.

5895 Veterinary Public Health Integrated Learning Experience

(S-N only;)
10410 001 IND, In Person Term Based; 1-3 cr.

5896 Application of Veterinary Public Health

(S-N only;)
10411 001 FWK, In Person Term Based; 0.5-6 cr.

5915 Essential Statistics for Life Sciences

(A-F or Audit;)
10423 001 LEC, 10:30-12:00 TTh, Veterinary Science 215, In Person Term Based; Meets With: 001 CMB 5915; Aaron Rendahl ; 3 cr.

5990 Veterinary Public Practice Seminar

(S-N only;)
10413 001 LEC, 12:00-13:00 F, No Room Required, Partially Online; Michael Mahero, Andres Perez, Maria Sol Perez Aguirreburualde ; 0.5 cr.

Veterinary Population Medicine (VPM)

1550 Introduction to the horse including care, handling, and recognizing behaviors

(Student Option;)
10277 001 LEC, Completely Online; Kelly Vallandingham ; 1 cr.

1903 Poison, Poisoning and Society

(A-F only;)
33884 001 LEC, 11:15-12:05 MW, Bruininks Hall 117, In Person Term Based; Ashok Singh ; 2 cr.

2400 Managed Captive Wildlife

(A-F or Audit;)
10347 001 LEC, 11:45-13:00 TTh, Ruttan Hall B25, In Person Term Based; Michelle Willette ; 3 cr.

2451 Introductory Concepts in Raptor Rehabilitation

(A-F only;)
10517 001 LEC, 19:00-20:30 T, McNeal Hall 146, In Person Term Based; Michelle Willette, ; 1 cr.

3021 Protecting your Lunch: Food Defense Awareness

(A-F only;)
10516 001 DIS, Completely Online; Debra Freedman, Jennifer van de Ligt ; 1 cr.

Vienna Executive MBA (VMBA)

Virology (VIRO)

5030 Virology Research Presentations

(S-N only;)
23664 001 DIS, 12:15-13:05 W, AHC ROOM TBA, In Person Term Based; Louis Mansky ; 1 cr.

Writing Studies (WRIT)

1001 The Art of Explaining Things: Introduction to Technical Writing and Communication

(A-F only) ;

17842 001 DIS, 13:00-14:15 TTh, Keller Hall 2-260, In Person Term Based; Barbara Horvath ; 3 cr.

1301 University Writing**(A-F only) ;**

19100 015 DIS, 10:10-12:05 M, Nicholson Hall 315, Partially Online; Kaylen James ; 4 cr.
 19101 016 DIS, 10:10-12:05 M, Nicholson Hall 355, Partially Online; Alan Berks ; 4 cr.
 19102 018 DIS, 11:15-13:10 M, Bruininks Hall 144, Partially Online; Matthew Tchepikova-Trean ; 4 cr.
 19103 020 DIS, 12:20-14:15 M, Appleby Hall 219, Partially Online; Tim Gustafson ; 4 cr.
 19104 021 DIS, 13:25-15:20 M, Appleby Hall 319, Partially Online; Kyle Riper ; 4 cr.
 19105 023 DIS, 13:25-15:20 M, Appleby Hall 3, Partially Online; Ian Power-Luetscher ; 4 cr.
 19106 024 DIS, 13:25-15:20 M, Bruininks Hall 144, Partially Online; J. Richards ; 4 cr.
 19107 005 DIS, 10:40-12:35 W, Ruttan Hall B26, Partially Online; Matthew Kimlinger ; 4 cr.
 19108 026 DIS, 14:30-16:25 M, Peik Hall 315, Partially Online; Matthew Tchepikova-Trean ; 4 cr.
 19109 027 DIS, 08:00-09:55 T, Bruininks Hall 123, Partially Online; Elise Toedt ; 4 cr.
 19110 003 DIS, 09:35-11:30 T, McNeal Hall 310, Partially Online; Nick Kleese ; 4 cr.
 19111 029 DIS, 09:05-11:00 T, Amundson Hall 104, Partially Online; Corinth Matera ; 4 cr.
 19112 030 DIS, 09:05-11:00 T, Vincent Hall 364, Partially Online; Molly Vasich ; 4 cr.
 19113 031 DIS, 10:10-12:05 T, Vincent Hall 301, Partially Online; Melissa Cundieff ; 4 cr.
 19114 033 DIS, 10:10-12:05 T, Hubert H. Humphrey School 60, Partially Online; Maggie Shea ; 4 cr.
 19115 035 DIS, 11:15-13:10 T, Vincent Hall 364, Partially Online; Sarah Chandler ; 4 cr.
 19116 036 DIS, 12:20-14:15 T, Vincent Hall 301, Partially Online; Allison Vincent ; 4 cr.
 19117 037 DIS, 12:20-14:15 T, Appleby Hall 319, Partially Online; Elise Toedt ; 4 cr.
 19118 038 DIS, 13:25-15:20 T, Vincent Hall 364, Partially Online; Kayla Carden ; 4 cr.
 19119 039 DIS, 13:25-15:20 T, Nicholson Hall 345, Partially Online; Melissa Cundieff ; 4 cr.
 19120 040 DIS, 13:25-15:20 T, Appleby Hall 204, Partially Online; Treza Rosado ; 4 cr.
 19121 046 DIS, 09:05-11:00 W, Kolthoff Hall 133, Partially Online; Corinth Matera ; 4 cr.
 19122 010 DIS, 09:05-11:00 M, Akerman Hall 327, Partially Online; Alison Obright ; 4 cr.
 19123 048 DIS, 10:10-12:05 W, Peik Gymnasium G65, Partially Online; Nicole Montana ; 4 cr.
 19124 049 DIS, 10:10-12:05 W, Amundson Hall 104, Partially Online; Elise Toedt ; 4 cr.
 19125 050 DIS, 11:15-13:10 W, Bruininks Hall 144, Partially Online; Elizabeth Hartman ; 4 cr.
 19126 051 DIS, 11:15-13:10 W, Nicholson Hall 315, Partially Online; Kristin Bauck ; 4 cr.
 19127 043 DIS, 08:00-09:55 W, Appleby Hall 219, Partially Online; Elizabeth Hartman ; 4 cr.
 19128 053 DIS, 12:20-14:15 W, Appleby Hall 303, Partially Online; Patricia Filippi ; 4 cr.
 19129 007 DIS, 09:35-11:30 Th, Ruttan Hall B42, Partially Online; Nick Kleese ; 4 cr.
 19130 054 DIS, 12:20-14:15 W, Cooke Hall 215, Partially Online; Ian Power-Luetscher ; 4 cr.
 19131 057 DIS, 13:25-15:20 W, Tate Hall B65, Partially Online; Cody Bursch ; 4 cr.
 19132 009 DIS, 09:05-11:00 M, Appleby Hall 102, Partially Online; Tim Gustafson ; 4 cr.
 19133 060 DIS, 08:00-09:55 Th, Kolthoff Hall 138, Partially Online; Asmita Ghimire ; 4 cr.
 19134 061 DIS, 08:00-09:55 Th, Akerman Hall 317, Partially Online; Ezra Hyland ; 4 cr.
 19135 063 DIS, 09:05-11:00 Th, Appleby Hall 219, Partially Online; Rebecca Jurisz ; 4 cr.
 19136 064 DIS, 09:05-11:00 Th, Amundson Hall 240, Partially Online; Matthew Tchepikova-Trean ; 4 cr.
 19137 067 DIS, 10:10-12:05 Th, Hubert H. Humphrey School 60, Partially Online; Michelle Herrin ; 4 cr.
 19138 069 DIS, 11:15-13:10 Th, Bruininks Hall 512A, Partially Online; Samantha Sturman Dahl ; 4 cr.
 19381 019 DIS, 12:20-14:15 M, Nicholson Hall 315, Partially Online; Melissa Cundieff ; 4 cr.
 19382 028 DIS, 08:00-09:55 T, Bruininks Hall 117, Partially Online; Mark Anderson ; 4 cr.
 19496 025 DIS, 14:30-16:25 M, Peik Hall 155, Partially Online; Treza Rosado ; 4 cr.
 19497 052 DIS, 11:15-13:10 W, Peik Hall 155, Partially Online; Marcy Bock Eastley ; 4 cr.
 19498 056 DIS, 13:25-15:20 W, Appleby Hall 319, Partially Online; Emily Buehler ; 4 cr.
 19694 047 DIS, 09:05-11:00 W, Appleby Hall 102, Partially Online; Samantha Sturman Dahl ; 4 cr.

20005 006 DIS, 13:55-15:50 W, Ruttan Hall B26, Partially Online; Matthew Kimlinger ; 4 cr.
 20172 058 DIS, 14:30-16:25 W, Peik Gymnasium G65, Partially Online; Nicole Montana ; 4 cr.
 20203 045 DIS, 09:05-11:00 W, Bruininks Hall 123, Partially Online; Mark Anderson ; 4 cr.
 20341 017 DIS, 11:15-13:10 M, Peik Hall 155, Partially Online; Kristin Bauck ; 4 cr.
 20589 070 DIS, 11:15-13:10 Th, Bruininks Hall 119, Partially Online; Dylan Reynolds ; 4 cr.
 20602 071 DIS, 12:20-14:15 Th, Smith Hall 121, Partially Online; Corinth Matera ; 4 cr.
 20813 041 DIS, 14:30-16:25 T, Bruininks Hall 123, Partially Online; Emily Jones ; 4 cr.
 20816 042 DIS, 14:30-16:25 T, Bruininks Hall 117, Partially Online; Sarah Chandler ; 4 cr.
 20817 055 DIS, 13:25-15:20 W, Mechanical Engineering 25, Partially Online; Sarah Chandler ; 4 cr.
 20818 059 DIS, 14:30-16:25 W, Akerman Hall 317, Partially Online; Maggie Shea ; 4 cr.
 20819 065 DIS, 10:10-12:05 Th, Amundson Hall 124, Partially Online; Elizabeth Hartman ; 4 cr.
 20820 068 DIS, 11:15-13:10 Th, Civil Engineering Bldg 213, Partially Online; Ezra Hyland ; 4 cr.
 20821 022 DIS, 13:25-15:20 M, Amundson Hall 104, Partially Online; Allison Vincent ; 4 cr.
 20822 032 DIS, 10:10-12:05 T, Appleby Hall 319, Partially Online; Kristin Bauck ; 4 cr.
 20823 034 DIS, 11:15-13:10 T, Civil Engineering Bldg 213, Partially Online; Mark Anderson ; 4 cr.
 21069 001 DIS, 09:35-11:30 M, Ruttan Hall B36, Partially Online; Barbara Van Pilsium ; 4 cr.
 21070 002 DIS, 12:50-14:45 M, Ruttan Hall B36, Partially Online; Barbara Van Pilsium ; 4 cr.
 21435 004 DIS, 10:40-12:35 T, Ruttan Hall B42, Partially Online; Matthew Kimlinger ; 4 cr.
 21436 008 DIS, 12:50-14:45 Th, McNeal Hall 146, Partially Online; Nick Kleese ; 4 cr.
 21437 011 DIS, 09:05-11:00 M, Akerman Hall 227, Partially Online; Ian Power-Luetscher ; 4 cr.
 21438 012 DIS, 09:05-11:00 M, Wulling Hall 220, Partially Online; Melissa Cundieff ; 4 cr.
 21439 013 DIS, 10:10-12:05 M, Tate Hall B55, Partially Online; Megan Mills-Rittmann ; 4 cr.
 21440 014 DIS, 10:10-12:05 M, Akerman Hall 317, Partially Online; Allison Vincent ; 4 cr.
 21441 062 DIS, 09:05-11:00 Th, Hubert H. Humphrey School 15, Partially Online; Marcy Bock Eastley ; 4 cr.
 21442 100 DIS, Completely Online; Kimberley Strain ; 4 cr.
 21443 101 DIS, Completely Online; Angelo Volpe ; 4 cr.
 21444 102 DIS, Completely Online; Angelo Volpe ; 4 cr.
 21445 103 DIS, Completely Online; Angelo Volpe ; 4 cr.
 21446 104 DIS, Completely Online; Kathleen Bolander ; 4 cr.
 21447 105 DIS, Completely Online; Stuart Deets ; 4 cr.
 21448 106 DIS, Completely Online; Rebecca Felter ; 4 cr.
 21449 107 DIS, Completely Online; Jessica Remcheck ; 4 cr.
 21450 200 DIS, 12:20-14:15 M, Bruininks Hall 512B, Partially Online; Sarah Selz ; 4 cr.
 21624 201 DIS, 11:15-13:10 T, Hubert H. Humphrey School 30, Partially Online; Sarah Selz ; 4 cr.
 21625 202 DIS, 10:10-12:05 W, Akerman Hall 317, Partially Online; Anne Fretheim ; 4 cr.
 21626 203 DIS, 12:20-14:15 W, Amundson Hall 104, Partially Online; Anne Fretheim ; 4 cr.
 21627 204 DIS, Completely Online; Kimberley Strain ; 4 cr.
 21628 205 DIS, Completely Online; Tara Zahler ; 4 cr.
 21629 206 DIS, Completely Online; Tara Zahler ; 4 cr.
 21829 300 DIS, 11:15-13:10 M, Amundson Hall 156, Partially Online; Treza Rosado ; 4 cr.
 21911 207 DIS, Completely Online; Tara Zahler ; 4 cr.
 32910 072 DIS, 12:20-14:15 Th, Hubert H. Humphrey School 30, Partially Online; Marcy Bock Eastley ; 4 cr.
 32911 073 DIS, 12:20-14:15 Th, Blegen Hall 225, Partially Online; Emily Buehler ; 4 cr.
 32912 074 DIS, 13:25-15:20 Th, Appleby Hall 223, Partially Online; Rebecca Jurisz ; 4 cr.
 32913 075 DIS, 13:25-15:20 Th, Molecular Cellular Biol 2-122, Partially Online; Allison Vincent ; 4 cr.
 32914 076 DIS, 14:30-16:25 Th, Bruininks Hall 117, Partially Online; Dylan Reynolds ; 4 cr.
 32915 077 DIS, 14:30-16:25 Th, Nicholson Hall 335, Partially Online; Samantha Sturman Dahl ; 4 cr.
 32916 078 DIS, 09:05-11:00 F, Wulling Hall 240, Partially Online; Marcy Bock Eastley ; 4 cr.
 32917 079 DIS, 09:05-11:00 F, Akerman Hall 317, Partially Online; Matthew Tchepikova-Trean ; 4 cr.
 32918 080 DIS, 09:05-11:00 F, Nicholson Hall 345, Partially Online; David Rodriguez Mart'nez ; 4 cr.
 32920 082 DIS, 10:10-12:05 F, Appleby Hall 128, Partially Online; Rebecca Jurisz ; 4 cr.
 32922 084 DIS, 10:10-12:05 F, Wulling Hall 220, Partially Online; Michelle Herrin ; 4 cr.
 32924 086 DIS, 11:15-13:10 F, Appleby Hall 223, Partially Online; Dylan Reynolds ; 4 cr.
 32926 088 DIS, Completely Online; Maureen Aitken ; 4 cr.
 32927 089 DIS, Completely Online; Maureen Aitken ; 4 cr.

32929 090 DIS, Completely Online; Tim Gustafson ; 4 cr.
 32930 091 DIS, Completely Online; Michelle Herrin ; 4 cr.
 32931 092 DIS, Completely Online; Matthew Hodapp ; 4 cr.
 33401 093 DIS, Completely Online; Matthew Hodapp ; 4 cr.
 33402 094 DIS, Completely Online; Jax Kinniburgh ; 4 cr.
 33403 095 DIS, Completely Online; Jax Kinniburgh ; 4 cr.
 33404 096 DIS, Completely Online; Jax Kinniburgh ; 4 cr.
 33405 097 DIS, Completely Online; Jax Kinniburgh ; 4 cr.
 33406 098 DIS, Completely Online; Nicole Montana ; 4 cr.
 33407 099 DIS, Completely Online; Kimberley Strain ; 4 cr.
 33408 108 DIS, Completely Online; Carola Saalmueller ; 4 cr.
 33409 109 DIS, Completely Online; Isabel Bethke ; 4 cr.
 33410 110 DIS, Completely Online; Mercedes Sheldon ; 4 cr.
 33411 111 DIS, Completely Online; Keelia Estrada Moeller ; 4 cr.
 33412 112 DIS, Completely Online; Thomas Forrest ; 4 cr.
 33414 114 DIS, Completely Online; Nyla Numan ; 4 cr.
 33434 301 DIS, 09:05-11:00 T, Hubert H. Humphrey School 30, Partially Online; Patricia Filippi ; 4 cr.
 33435 302 DIS, 10:10-12:05 T, Appleby Hall 219, Partially Online; Matthew Luskey ; 4 cr.
 33436 303 DIS, 12:20-14:15 T, Hubert H. Humphrey School 60, Partially Online; Patricia Filippi ; 4 cr.
 33437 304 DIS, 09:05-11:00 W, Akerman Hall 327, Partially Online; Matthew Luskey ; 4 cr.
 33438 306 DIS, 13:25-15:20 W, Nicholson Hall 315, Partially Online; Ezra Hyland ; 4 cr.
 33439 307 DIS, 10:10-12:05 Th, Hubert H. Humphrey School 30, Partially Online; Megan Mills-Rittmann ; 4 cr.
 33440 308 DIS, 13:25-15:20 Th, Bruininks Hall 432, Partially Online; Megan Mills-Rittmann ; 4 cr.
 33441 309 DIS, Completely Online; Michelle Herrin ; 4 cr.
 33442 400 DIS, Completely Online; Maureen Aitken ; 4 cr.
 33479 305 DIS, 10:10-12:05 W, Tate Hall B55, Partially Online; Ezra Hyland ; 4 cr.

1915W Arguing with Authority: The Past, Present, and Future of Higher Education (A-F only; CIV,WI)

33529 001 DIS, 16:00-18:30 T, Folwell Hall 31, In Person Term Based; Patrick Bruch ; 3 cr.

1925W Magazines and New Media**(A-F only; WI)**

33530 001 DIS, 09:45-11:00 TTh, Nicholson Hall 355, In Person Term Based; Thomas Reynolds ; 3 cr.

3029W Business and Professional Writing (Student Option; WI)

19321 001 DIS, 14:30-15:45 MW, Akerman Hall 327, In Person Term Based; Mikayla Davis ; 3 cr.
 20492 002 DIS, 11:15-12:30 TTh, Ford Hall B15, In Person Term Based; Jessa Wood ; 3 cr.
 21751 003 DIS, Completely Online; Emily Gresbrink ; 3 cr.

3101W Writing Arguments**(A-F or Audit; WI)**

20566 001 DIS, 13:00-14:15 MW, Appleby Hall 102, In Person Term Based; Luke Shackelford ; 3 cr.

3102W Public Writing**(A-F only; CIV,WI)**

21039 001 DIS, 13:00-14:15 MW, Appleby Hall 223, In Person Term Based; Patrick Bruch ; 3 cr.

3152W Writing on Issues of Science and Technology**(A-F or Audit; WI)**

18729 001 DIS, 14:30-15:45 TTh, Wulling Hall 220, In Person Term Based; Capper Nichols ; 3 cr.

3221W Communication Modes and Methods**(A-F only; WI)**

19485 001 DIS, 14:30-15:45 TTh, Nolte Center 229, In Person Term Based; Laura Gurak ; 3 cr.

3371W Technology, Self, and Society**(A-F only; TS,WI)**

20156 001 DIS, 11:15-12:30 TTh, Wulling Hall 240, In Person Term Based; Capper Nichols ; 3 cr.

3381W Writing and Modern Cultural Movements**(A-F or Audit; AH,WI)**

32669 001 DIS, 13:00-14:15 TTh, Wulling Hall 220, In Person Term Based; Thomas Reynolds ; 3 cr.

3441 Editing, Critique, and Style**(A-F only) ;**

19349 001 DIS, 09:45-11:00 TTh, Keller Hall 2-260, In Person Term Based; Barbara Horvath ; 3 cr.

3562V Honors: Technical and Professional Writing

(A-F only; WI)
20412 001 DIS, 13:00-14:15 MW, Nicholson Hall 145, Partially Online; Meets With: 004 WRIT 3562W; Brigitte Mussack ; 4 cr.

3562W Technical and Professional Writing

(A-F only; WI)
17843 001 DIS, 11:45-13:00 MW, Ruttan Hall B22, Partially Online; Joe Moses ; 4 cr.
17844 002 DIS, 10:15-11:30 TTh, Ruttan Hall B30, Partially Online; Joe Moses ; 4 cr.
17845 004 DIS, 13:00-14:15 MW, Nicholson Hall 145, Partially Online; Meets With: 001 WRIT 3562V; Brigitte Mussack ; 4 cr.
17846 003 DIS, 11:45-13:00 TTh, Ruttan Hall B30, Partially Online; Joe Moses ; 4 cr.
17847 005 DIS, 09:45-11:00 MW, Nicholson Hall 345, Partially Online; Rira Zamani ; 4 cr.
17848 006 DIS, 16:40-19:10 W, Kolthoff Hall 133, Partially Online; Clayton Benjamin ; 4 cr.
18699 008 DIS, 11:15-12:30 TTh, Hubert H. Humphrey School 20, Partially Online; Brigitte Mussack ; 4 cr.
18878 009 DIS, 17:30-20:00 Th, Appleby Hall 223, Partially Online; Clayton Benjamin ; 4 cr.
18933 010 DIS, 00:00-00:00 , ONLINE, Completely Online; Brian Le Lay ; 4 cr.
19202 011 DIS, 00:00-00:00 , ONLINE, Completely Online; Capper Nichols ; 4 cr.
19401 012 DIS, 00:00-00:00 , ONLINE, Completely Online; Jeremy Rosselot-Merritt ; 4 cr.
19670 013 DIS, 00:00-00:00 , ONLINE, Completely Online; Cynthia Pope ; 4 cr.
19733 007 DIS, 09:45-11:00 TTh, Appleby Hall 223, Partially Online; Mark Brenden ; 4 cr.
19833 014 DIS, 00:00-00:00 , ONLINE, Completely Online; Cynthia Pope ; 4 cr.
20080 015 DIS, 00:00-00:00 , ONLINE, Completely Online; Cynthia Pope ; 4 cr.
20243 018 DIS, 00:00-00:00 , ONLINE, Completely Online; William West ; 4 cr.
20244 019 DIS, 00:00-00:00 , ONLINE, Completely Online; William West ; 4 cr.
20360 020 DIS, 00:00-00:00 , ONLINE, Completely Online; William West ; 4 cr.
21077 016 DIS, Completely Online; Cynthia Pope ; 4 cr.
21149 017 DIS, 00:00-00:00 , ONLINE, Completely Online; Capper Nichols ; 4 cr.

3577W Rhetoric, Technology, and the Internet

(A-F only; TS,WI)
19984 001 DIS, 08:15-09:30 MW, Bruininks Hall 420B, In Person Term Based; Jacqueline James ; 3 cr.
34433 002 DIS, Completely Online; Ann Duin ; 3 cr.

3671 Visual Rhetoric and Document Design

(A-F only;)
18659 001 DIS, 09:45-11:00 MW, Nicholson Hall 120, In Person Term Based; Brandi Fuglsby ; 3 cr.

3701W Rhetorical Theory for Writing Studies

(A-F only; WI)
20345 001 DIS, 11:15-12:30 TTh, Nolte Center 229, In Person Term Based; John Logie ; 3 cr.

3751W Seminar: Theory and Practice of Writing Consultancy

(Student Option; Prereq: Currently working in a University writing center, instr consentWI)
20567 001 DIS, 16:00-17:15 TTh, Nicholson Hall 12, In Person Term Based; Kirsten Jansen ; 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)
21097 001 IND, Independent/Directed Study; Barbara Horvath ; 3 cr.

3993 Directed Study

(Student Option; Prereq: instr consent, dept consent, college consent)
20223 001 IND, Independent/Directed Study; 1-4 cr.

4501 Usability and Human Factors in Technical Communication

(A-F only;)
32935 001 DIS, 16:00-18:30 W, Bruininks Hall 512A, In Person Term Based; Nick Rosencrans ; 3 cr.

4573W Writing Proposals and Grant Management

(A-F or Audit; WI)
32933 001 LEC, Completely Online; Brigitte Mussack ; 3 cr.

4662W Writing With Digital Technologies

(A-F only; Prereq: Jr or sr or instr consentWI)
20852 001 DIS, 14:30-15:45 MW, Bruininks Hall 420A, In Person Term Based; Jim Hall ; 3 cr.

4664W Science, Medical, and Health Writing

(A-F or Audit; WI)
21451 001 DIS, Completely Online; Molly Kessler ; 3 cr.

4995 Technical Writing and Communication Capstone

(A-F only;)
19950 001 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
20056 003 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
20057 002 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.

4999 Technical Writing and Communication Capstone

(A-F only;)
21452 001 DIS, 09:05-11:35 F, Nolte Center 229, In Person Term Based; Meets With: 001 WRIT 4999H; Lee-Ann Breuch ; 3 cr.

4999H Technical Writing and Communication Honors Capstone

(A-F only;)
21813 001 DIS, 09:05-11:35 F, Nolte Center 229, In Person Term Based; Meets With: 001 WRIT 4999; Lee-Ann Breuch ; 3 cr.

5001 Introduction to Graduate Studies in Scientific and Technical Communication

(A-F only;)
19872 001 LEC, Completely Online; Laura Gurak ; 3 cr.

5051 Graduate Research Writing for International Students

(Student Option; Prereq: Grad student)
20346 001 LEC, Completely Online; Sheryl Holt ; 3 cr.

5196 Internship in Scientific and Technical Communication

(S-N or Audit;)
19486 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)
18857 001 IND, 00:00-00:00 , Independent/Directed Study; 1-3 cr.
18858 002 IND, 00:00-00:00 , Independent/Directed Study; 1-3 cr.

5531 Introduction to Writing Theory and Pedagogies

(A-F or Audit; Prereq: Grad student)
21453 001 DIS, 14:00-16:30 W, Nolte Center 235, Partially Online; Amy Lee ; 3 cr.

5532 Practicum in Writing Pedagogies

(S-N only;)
21454 001 DIS, 13:00-15:10 W, No Room Required, Partially Online; Kris Cory ; 1 cr.

5662 Writing With Digital Technologies

(A-F only;)
20992 001 DIS, Completely Online; Jim Hall ; 3 cr.

5664 Science, Medical, and Health Writing

(A-F or Audit;)
21456 001 DIS, Completely Online; Molly Kessler ; 3 cr.

5776 The Rhetorical Traditions: Modern Era

(A-F or Audit;)
32932 001 LEC, 14:30-17:00 M, Kolthoff Hall 133, Partially Online; Atilla Hallsby ; 3 cr.

Youth Development and Research (YOST)**1001 Seeing Youth, Thinking Youth: Media, Popular Media, and Scholarship**

(Student Option; CIV)
16703 001 LEC, 13:00-14:15 TTh, Appleby Hall 11, In Person Term Based; Nate Whittaker ; 3 cr.
17080 002 LEC, 08:15-09:30 Th, ONLINE BLENDED, 08:15-09:30 T, Burton Hall 125, Partially Online; Jenna Sethi ; 3 cr.

1366 Stories of Resistance & Change: Youth, Race, Power & Privilege in the U.S.

(Student Option; DSJ,LITR)
17236 001 LEC, 13:30-14:45 MW, Peters Hall 39, In Person Term Based; Molly Rojas Collins ; 3 cr.
17262 002 LEC, 13:30-14:45 MW, Peters Hall 155, In Person Term Based; Jennifer Witt ; 3 cr.
17313 003 LEC, 13:00-14:15 TTh, Appleby Hall 103, In Person Term Based; Molly Rojas Collins ; 3 cr.
17323 004 LEC, 13:30-14:45 TTh, McNeal Hall 310, In Person Term Based; K.C. Harrison ; 3 cr.
17459 005 LEC, 09:45-11:00 TTh, Burton Hall 125, In Person Term Based; Molly Cooney ; 3 cr.

1368W Youth Global Perspectives

(Student Option; GP,WI,LITR)
17242 001 LEC, Completely Online; K.C. Harrison ; 4 cr.
17363 002 LEC, Completely Online; K.C. Harrison ; 4 cr.

2101 Urban Youth and Youth Issues

(Student Option; Prereq: YOST 1001 or instr consentDSJ)
16852 001 LEC, 12:50-14:45 MW, Peters Hall 5, In Person Term Based; Leo Howard ; 4 cr.

2241 Experiential Learning

(Student Option; Prereq: YOST 1001 or instr consent)
16742 001 LEC, 12:50-16:40 Th, Peters Hall 5, In Person Term Based; Ray Aponite ; 4 cr.

3001 Introduction to History & Philosophy of Youthwork

(Student Option; Prereq: YOST 2xxx or instr consentDSJ,HIS)
17146 001 LEC, 10:40-12:35 TTh, Peters Hall 5, In Person Term Based; Kenneth Turck ; 4 cr.

3032 Adolescent and Youth Development for Youthworkers

(Student Option; Prereq: YOST 1001 or 2101, [any Psych or CPsych course], or instr consent)
17463 001 LEC, 08:30-10:25 TTh, Peters Hall 5, In Person Term Based; Meets With: 001 YOST 5032; Gabrielle Grier ; 4 cr.

3291 Independent Study in Youth Studies

(Student Option; Prereq: instr consent)
16766 001 IND, Independent/Directed Study; Katie Johnston-Goodstar ; 1-9 cr.
16835 002 IND, Independent/Directed Study; Ross VeLure Roholt ; 1-9 cr.
16906 003 IND, Independent/Directed Study; Ceema Samimi ; 1-9 cr.
17748 004 IND, Independent/Directed Study; Saida Abdi ; 1-9 cr.

3325W Project-Based Writing For Education and Human Development Majors

(Student Option; Prereq: 60+ undergraduate credits, declared major, or instr consentWI)
17364 001 DIS, 10:40-12:35 MW, Peters Hall 5, In Person Term Based; Molly Rojas Collins ; 4 cr.

4196 Youthwork Internship

(Student Option; Prereq: Declaration of youth studies major, or instr consent)
16767 001 FWK, 12:50-14:45 M, Peters Hall 280, In Person Term Based; Nate Whittaker ; 4 cr.

4201 Facilitating Outdoor Experiences

(A-F only;)
17645 001 LEC, 09:00-14:00 F, Peik Hall 335, 09:00-14:00 F, No Room Required, 09:00-17:00 F, No Room Required, 09:00-22:00 F, No Room Required, 09:00-16:00 Sa, No Room Required, 09:00-13:00 F, Peik Hall 335, In Person Term Based; Bryan Karban ; 3 cr.

4316 Media and Youth: Learning, Teaching, and Doing

(Student Option; Prereq: 1001 or 2101 or instr consent)

32685 001 LEC, 12:50-14:45 T, Peters Hall 5, In Person
Term Based; Meets With: 001 YOST 5316; Basanti Miller ;
2 cr.

**4325 Improving Everyday Youthwork:
Practical Program Evaluation**

(Student Option; Prereq: 1001 or 2101, or instr consent)

16926 001 LEC, 08:45-10:00 MW, Peters Hall 5, In Person
Term Based; Amy Syvertsen ; 3 cr.

**4401W Young People's Spirituality and
Youthwork: An Introduction**

(Student Option; Prereq: 1001 or instr consentWI)

32686 001 LEC, 15:00-16:55 MW, Peters Hall 5, In Person
Term Based; Meets With: 001 YOST 5401; John Marboe ;
4 cr.

**5032 Adolescent and Youth Development
for Youthworkers**

(Student Option; Prereq: [1001 or 2001 or 2002W or 2101], [any Psych or CPsy course])

17464 001 LEC, 08:30-10:25 TTh, Peters Hall 5, In Person
Term Based; Meets With: 001 YOST 3032; Gabrielle Grier ;
4 cr.

5291 Independent Study in Youth Studies

(Student Option;)

16363 001 IND, Independent/Directed Study; Ross VeLure
Roholt ; 1-8 cr.

16834 003 IND, Independent/Directed Study; Ceema
Samimi ; 1-8 cr.

16876 002 IND, Independent/Directed Study; Katie Johnston-
Goodstar ; 1-8 cr.

32684 004 IND, Independent/Directed Study; Saida Abdi ; 1-8
cr.

**5316 Media & Youth: Learning, Teaching,
and Doing**

(Student Option; Prereq: 1001 or 2101 or instr consent)

32687 001 LEC, 12:50-14:45 T, Peters Hall 5, In Person
Term Based; Meets With: 001 YOST 4316; Basanti Miller ;
2 cr.

**5401 Young People's Spirituality and
Youthwork: an Introduction**

(A-F or Audit; Prereq: [2001, one course each in [Anth, Soc, CPsy]] or instr consent)

32688 001 LEC, 15:00-16:55 MW, Peters Hall 5, In Person
Term Based; Meets With: 001 YOST 4401W; John
Marboe ; 4 cr.

5952 Everyday Lives of Youth

(A-F or Audit;)

16965 001 DIS, 18:00-20:45 M, Peters Hall 5, In Person
Term Based; Ross VeLure Roholt ; 3 cr.

**5956 Organizational Approaches to Youth
Development**

(A-F or Audit;)

16966 001 DIS, 18:00-20:45 T, Peters Hall 5, In Person Term
Based; Jennifer Skuza ; 3 cr.

**5960 Seminar in Youth Development
Leadership**

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

16967 002 LEC, In Person Term Based; Ross VeLure
Roholt ; 1 cr.

16996 001 LEC, In Person Term Based; Ross VeLure
Roholt ; 1 cr.

16997 003 LEC, In Person Term Based; Ross VeLure
Roholt ; 1 cr.

16998 004 LEC, In Person Term Based; Ross VeLure
Roholt ; 1 cr.

17185 005 LEC, In Person Term Based; Ross VeLure
Roholt ; 1 cr.

**5962 Leadership Field Experience: Youth
Development**

(S-N only; Prereq: YDL student)

16968 001 FWK, In Person Term Based; Deborah Moore ; 4
cr.