

Accounting (ACCT)**2001 Principles of Financial Accounting**
(A-F only; Prereq: Minimum 15 credits or college consent)

- 30949 002 LEC, 00:00-00:00 , ONLINE, Completely Online; Meets With: 001 ACCT 2001; Loren Erickson ; 3 cr.
- 30950 003 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 125, In Person Term Based; Meets With: 004 ACCT 2001; Karen Salmela ; 3 cr.
- 30951 004 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 125, In Person Term Based; Meets With: 003 ACCT 2001; Karen Salmela ; 3 cr.
- 30952 005 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 125, In Person Term Based; Meets With: 006 ACCT 2001; Karen Salmela ; 3 cr.
- 30953 006 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 125, In Person Term Based; Meets With: 005 ACCT 2001; Karen Salmela ; 3 cr.
- 30993 007 LEC, 11:00-12:15 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 008 ACCT 2001; Ruwan Adikaram ; 3 cr.
- 30994 008 LEC, 11:00-12:15 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 007 ACCT 2001; Ruwan Adikaram ; 3 cr.
- 30995 009 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 010 ACCT 2001; Ruwan Adikaram ; 3 cr.
- 30996 010 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 009 ACCT 2001; Ruwan Adikaram ; 3 cr.
- 30997 011 LEC, 8:00-9:15 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 012 ACCT 2001; Loren Erickson ; 3 cr.
- 30998 012 LEC, 8:00-9:15 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 011 ACCT 2001; Loren Erickson ; 3 cr.
- 31072 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Meets With: 002 ACCT 2001; Loren Erickson ; 3 cr.
- 31140 013 LEC, 18:00-20:40 M, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 014 ACCT 2001; Erica Henkel ; 3 cr.
- 31141 014 LEC, 18:00-20:40 M, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 013 ACCT 2001; Erica Henkel ; 3 cr.

2002 Principles of Managerial Accounting
(A-F only; Prereq: 2001, LSBE student or college consent)

- 30954 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Erica Henkel ; 3 cr.
- 30955 002 LEC, 12:00-12:50 MWF, Labovitz Schl Bus & Econ 135, In Person Term Based; Rodger Brannan ; 3 cr.
- 30956 003 LEC, 13:00-13:50 MWF, Labovitz Schl Bus & Econ 125, In Person Term Based; Karen Salmela ; 3 cr.
- 31095 004 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 125, In Person Term Based; Karen Salmela ; 3 cr.

3001 Technology Tools in Accounting
(A-F only; Prereq: LSBE candidate)

- 31077 002 LEC, 13:00-13:50 W, Labovitz Schl Bus & Econ 237, In Person Term Based; Loren Erickson ; 1 cr.
- 31078 001 LEC, 11:00-11:50 W, Labovitz Schl Bus & Econ 237, In Person Term Based; Loren Erickson ; 1 cr.

3101 Intermediate Accounting I**(A-F only; Prereq: LSBE candidate or non-LSBE accounting minor or college consent)**

- 31043 003 LEC, 13:00-13:50 MWF, Labovitz Schl Bus & Econ 229, In Person Term Based; Meets With: 004 ACCT 3101; Charles Reichert ; 3 cr.
- 31069 004 LEC, 13:00-13:50 MWF, Labovitz Schl Bus & Econ 229, In Person Term Based; Meets With: 003 ACCT 3101; Charles Reichert ; 3 cr.
- 31070 001 LEC, 11:00-12:15 TTh, Labovitz Schl Bus & Econ 229, In Person Term Based; Meets With: 002 ACCT 3101; Daniel Hsiao ; 3 cr.
- 31071 002 LEC, 11:00-12:15 TTh, Labovitz Schl Bus & Econ 229, In Person Term Based; Meets With: 001 ACCT 3101; Daniel Hsiao ; 3 cr.

3102 Intermediate Accounting II**(A-F only; Prereq: A grade of C or better in 3101, LSBE candidate or non-LSBE accounting minor or college consent)**

- 31012 001 LEC, In Person Term Based; Meets With: 002 ACCT 3102; Charles Reichert ; 3 cr.

3201 Cost Accounting**(A-F only; Prereq: LSBE candidate or non-LSBE accounting minor or college consent)**

- 31004 001 LEC, 8:00-8:50 MWF, Labovitz Schl Bus & Econ 233, In Person Term Based; Meets With: 002 ACCT 3201; Rodger Brannan ; 3 cr.

31105 002 LEC, 8:00-8:50 MWF, Labovitz Schl Bus & Econ 233, In Person Term Based; Meets With: 001 ACCT 3201; Rodger Brannan ; 3 cr.

31117 003 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 229, In Person Term Based; Meets With: 004 ACCT 3201; Rodger Brannan ; 3 cr.

31118 004 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 229, In Person Term Based; Meets With: 003 ACCT 3201; Rodger Brannan ; 3 cr.

3301 Accounting Information Systems**(A-F only; Prereq: LSBE candidate or non-LSBE accounting minor or college consent; credit will not be granted if already received for 3110.)**

- 30970 001 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 237, In Person Term Based; Meets With: 002 ACCT 3301; Daniel Hsiao ; 3 cr.
- 30971 002 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 237, In Person Term Based; Meets With: 001 ACCT 3301; Daniel Hsiao ; 3 cr.

3401 Individual Income Taxation**(A-F only; Prereq: Credit will not be granted if already received for ACCT 3152 or 4152; LSBE candidate or approved non-LSBE accounting minor or college consent)**

- 31017 001 LEC, 9:00-9:50 MWF, Labovitz Schl Bus & Econ 229, In Person Term Based; Charles Reichert ; 3 cr.
- 31082 003 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 229, In Person Term Based; Meets With: 004 ACCT 3401; Charles Reichert ; 3 cr.
- 31083 004 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 229, In Person Term Based; Meets With: 003 ACCT 3401; Charles Reichert ; 3 cr.

3402 Advanced Business Taxation**(A-F only; Prereq: 3401, LSBE candidate or college consent; credit will not be granted if already received for 3151)**

- 30963 001 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 135, In Person Term Based; Randy Skalping ; 3 cr.

3701 Small Business Initiative in Accounting**(S-N or Audit; Prereq: 3001, 3101, LSBE candidate and instructor consent)**

- 31084 001 FWK, 15:30-16:45 TTh, Labovitz Schl Bus & Econ 265, Independent/Directed Study; Loren Erickson ; 1-2 cr.

3796 Internship in Accounting**(A-F only; Prereq: LSBE Candidate, prior major coursework, consent of Internship Director)**

- 30979 001 FWK, 00:00-00:00 , Room TBA, Independent/ Directed Study; Angie Soderberg ; 1-6 cr.

3991 Independent Study**(A-F only; Prereq: BAC candidate with 80 cr, department consent; credit not available as accounting elective; may take ACCT 3191 and 3991 for a total of 3 credits.)**

- 30978 001 IND, 00:00-00:00 , Room TBA, Independent/ Directed Study; 1-3 cr.

4101 Auditing**(A-F only; Prereq: 3102, 3110 or 3301, LSBE candidate or college consent; no grad credit; credit will not be granted if already received for 4160.)**

- 31085 001 LEC, 18:00-20:40 T, Labovitz Schl Bus & Econ 125, In Person Term Based; Annie Thors ; 3 cr.

4600 Employee Benefit and Retirement Planning**(A-F or Audit; Prereq: Acct 3401, LSBE candidate, no grad credit)**

- 31086 001 LEC, 18:00-20:40 M, Labovitz Schl Bus & Econ 229, In Person Term Based; Hugo Hietapelto ; 3 cr.

Aerospace Studies (AIR)**100 AFROTC GMC Leadership Laboratory**
(S-N or Audit;)

- 37071 001 LAB, 6:15-7:45 Th, , In Person Term Based; Karl Huber, Benjamin Shafer ; 0 cr.

1000 AFROTC GMC Lead Lab**(S-N or Audit;)**

- 30242 001 LAB, 6:15-7:45 Th, Room TBA, In Person Term Based; Karl Huber, Bryan Graddy ; 1 cr.

1101 Foundations of the U.S. Air Force**(A-F or Audit;)**

- 29915 001 LEC, 7:00-7:50 T, Darland Admin Bldg 16A, In Person Term Based; Bryan Graddy ; 1 cr.

30468 002 LEC, 8:00-8:50 T, Darland Admin Bldg 16A, In Person Term Based; Karl Huber, Benjamin Shafer ; 1 cr.

1591 Leadership Practicum**(A-F or Audit;)**

- 32927 001 FWK, In Person Term Based; Karl Huber, Bryan Graddy ; 1-4 cr.

2101 The Evolution of the U.S. Air Force Air and Space Power**(A-F or Audit;)**

- 29916 001 LEC, 7:00-7:50 W, Darland Admin Bldg 16A, In Person Term Based; Karl Huber ; 1 cr.

3000 AFROTC POC Leadership Laboratory
(S-N or Audit;)

- 30628 001 LAB, 6:15-7:45 Th, Room TBA, In Person Term Based; Karl Huber ; 1 cr.

3001 AFROTC POC Lead Lab**(S-N or Audit;)**

- 30243 001 LAB, 6:15-7:45 Th, Room TBA, In Person Term Based; Karl Huber ; 2 cr.

3101 Air Force Leadership Studies**(A-F or Audit;)**

- 29918 001 LEC, 8:00-8:50 MWF, Darland Admin Bldg 16A, In Person Term Based; Bryan Graddy, Benjamin Shafer ; 3 cr.
- 37379 002 LEC, 12:00-12:50 MWF, Room TBA, In Person Term Based; Bryan Graddy, Benjamin Shafer ; 3 cr.

4101 National Security Affairs, Preparation for Active Duty**(A-F or Audit; Prereq: No grad credit)**

- 29919 001 LEC, 16:00-18:50 T, Darland Admin Bldg 16A, In Person Term Based; Benjamin Shafer ; 3 cr.

African & African American Std (AAAS)**1102 Introduction to Atlantic Slave Trade**
(A-F or Audit; CDIVERSITY)

- 37354 003 LEC, 19:00-20:15 TTh, A B Anderson Hall 225, In Person Term Based; David Woodward ; 3 cr.

1103 Introduction to Africa**(A-F or Audit; Prereq: Credit will not be granted if already received for AAAS 1100.GLOBAL PER)**

- 29626 001 LEC, 17:00-18:15 TTh, Montague Hall 203, In Person Term Based; Meets With: 001 EDUC 1103; Chang'aa Mweti ; 3 cr.

1104 Introduction to Black America**(A-F or Audit; Prereq: credit will not be granted if already received for AAAS 1100CDIVERSITY)**

- 29796 001 LEC, 12:00-13:15 TTh, Montague Hall 203, In Person Term Based; Hilary Kowino ; 3 cr.

3202 African Story-Telling and Folklore**(A-F or Audit;)**

- 29627 001 LEC, 16:00-18:40 W, Engineering Building 177, In Person Term Based; Meets With: 001 EDUC 3202; Chang'aa Mweti ; 3 cr.

American Indian Studies (AMIN)**1001 Introduction to American Indian Studies****(A-F or Audit; CDIVERSITY)**

- 29673 001 LEC, 9:30-10:45 TTh, Engineering Building 118, In Person Term Based; Joseph Bauerkemper ; 3 cr.

1103 Beginning Ojibwe I**(A-F only; COMM & LAN)**

- 29461 001 LEC, 12:00-12:50 MWF, Humanities Building 403, In Person Term Based; Meets With: 001 AMIN 2103; Daniel Jones ; 3 cr.

2103 Intermediate Ojibwe I**(A-F only; Prereq: 1104 or instructor consent; credit will not be granted if already received for 2203.COMM & LAN)**

- 29566 001 LEC, 12:00-12:50 MWF, Humanities Building 403, In Person Term Based; Meets With: 001 AMIN 1103; Daniel Jones ; 3 cr.

2801 Introduction to Tribal Administration and Governance**(A-F or Audit;)**

33228 001 LEC, Completely Online; Tadd Johnson ; 3 cr.

3393 Projects in American Indian Studies
(A-F only; Prereq: instructor consent; maximum 10 credits)

29681 001 IND, Independent/Directed Study; Joseph Bauerkemper ; 1-5 cr.

3420 American Indians in Sports

(A-F or Audit; Prereq: 30 credits; credit will not be granted if already received for 3110.CDIVERSITY)

29601 001 LEC, 14:00-14:50 MWF, A B Anderson Hall 225, In Person Term Based; Linda Grover ; 3 cr.

3430 Global Indigenous Studies

(A-F or Audit; GLOBAL PER)

29844 001 LEC, 16:00-18:30 T, Cina Hall 308, In Person Term Based; Joseph Bauerkemper ; 3 cr.

3450 American Indian Women

(A-F or Audit; Prereq: minimum 30 credits; credit will not be granted if already received for 3250.CDIVERSITY)

33197 001 LEC, 13:00-13:50 MWF, Cina Hall 102, In Person Term Based; Linda Grover ; 3 cr.

3810 Fundamentals of Tribal Strategic Management
(A-F or Audit;)

33229 001 LEC, Completely Online; Rebecca Webster ; 3 cr.

3997 Internship in American Indian Studies
(A-F only; Prereq: instructor consent)

33219 004 FWK, Independent/Directed Study; Linda Grover ; 4-8 cr.

4640 American Indians in the Movies

(A-F or Audit; Prereq: 60 credits; no grad crCDIVERSITY,HUMANITIES)

29738 001 LEC, 10:00-10:50 MWF, Cina Hall 224, In Person Term Based; Linda Grover ; 3 cr.

4840 Current Issues and Opportunities in Tribal Administration and Governance
(A-F or Audit; Prereq: no grad credit)

33230 001 LEC, Completely Online; Jill Doerfler ; 3 cr.

4990 Directed Research

(A-F only; Prereq: instructor consent, max 8 credits to grad program)

33224 003 IND, Independent/Directed Study; Tadd Johnson ; 1-6 cr.

American Sign Language (ASL)

2001 Beginning American Sign Language I

(A-F or Audit; Prereq: Credit will not be granted if already received for CSD 2001.COMM & LAN)

28862 005 LEC, 14:00-14:50 MWF, Ed Endazhigikino'amaading 51, In Person Term Based; Sunny Brysch ; 3 cr.

28863 006 LEC, 15:30-16:45 TTh, Ed Endazhigikino'amaading 51, In Person Term Based; Joanne Coffin-Langdon ; 3 cr.

28952 001 LEC, 9:00- 9:50 MWF, Ed Endazhigikino'amaading 51, In Person Term Based; Sunny Brysch ; 3 cr.

28953 002 LEC, 10:00-10:50 MWF, Ed Endazhigikino'amaading 51, In Person Term Based; Sunny Brysch ; 3 cr.

29041 003 LEC, 11:00-11:50 MWF, Ed Endazhigikino'amaading 51, In Person Term Based; Joanne Coffin-Langdon ; 3 cr.

29042 004 LEC, 13:00-13:50 MWF, Ed Endazhigikino'amaading 51, In Person Term Based; Joanne Coffin-Langdon ; 3 cr.

29105 007 LEC, 18:00-20:40 Th, Ed Endazhigikino'amaading 51, In Person Term Based; Joanne Coffin-Langdon ; 3 cr.

2002 Beginning American Sign Language II

(A-F or Audit; Prereq: 2001 or instructor consent; credit will not be granted if already received for CSD 2002COMM & LAN)

29065 001 LEC, 15:00-15:50 MWF, Ed Endazhigikino'amaading 51, In Person Term Based; Sunny Brysch ; 3 cr.

29131 002 LEC, 18:00-20:40 T, Ed Endazhigikino'amaading 51, In Person Term Based; Sunny Brysch ; 3 cr.

3003 Intermediate American Sign Language I

(A-F or Audit; Prereq: 2002 or instructor consent; credit will not be granted if already received for CSD 5003COMM & LAN)

28921 001 LEC, 10:00-10:50 MWF, Ed Endazhigikino'amaading 17, In Person Term Based; Nancy Diener ; 3 cr.

29133 002 LEC, 18:00-20:40 M, Ed Endazhigikino'amaading 51, In Person Term Based; Nancy Diener ; 3 cr.

3004 Intermediate American Sign Language II

(A-F or Audit; Prereq: 3003 or instructor consent; credit will not be granted if already received for CSD 5004COMM & LAN)

29087 001 LEC, 15:00-15:50 MWF, Ed Endazhigikino'amaading 36, In Person Term Based; Nancy Diener ; 3 cr.

4005 Advanced American Sign Language

(A-F or Audit; Prereq: 3004 or instructor consent; no grad credit; credit will not be granted if already received for CSD 4005COMM & LAN)

28951 001 LEC, 15:00-15:50 MWF, Ed Endazhigikino'amaading 17, In Person Term Based; Joanne Coffin-Langdon ; 3 cr.

29134 002 LEC, 18:00-20:40 M, Montague Hall 239, In Person Term Based; Joanne Coffin-Langdon ; 3 cr.

4100 Linguistics of American Sign Language

(A-F only; Prereq: 3004 or instructor consent, no grad credit)

29043 001 LEC, 9:30-10:45 TTh, Ed Endazhigikino'amaading 51, In Person Term Based; Nancy Diener ; 3 cr.

4298 American Sign Language Skill Building Workshop

(A-F or Audit; Prereq: 2002 or instructor consent, no grad credit)

29052 001 LEC, 16:00-16:50 M, Ed Endazhigikino'amaading 51, In Person Term Based; Nancy Diener ; 1 cr.

Anthropology (ANTH)

1080 Understanding Global Cultures

(A-F only; GLOBAL PER,SOC SCI)

29723 001 LEC, 14:00-15:50 TTh, Cina Hall 214, In Person Term Based; Tim Routs ; 4 cr.

1604 Cultural Anthropology

(A-F or Audit; GLOBAL PER,SOC SCI)

29441 001 LEC, 11:00-12:50 TTh, Montague Hall 70, In Person Term Based; David Syring ; 4 cr.

1612 Introduction to Archaeology

(A-F or Audit; SOC SCI)

33269 001 LEC, 9:00-10:50 MW, Cina Hall 214, In Person Term Based; Jennifer Jones ; 4 cr.

33270 002 LAB, 9:00-10:50 T, Cina Hall 214, In Person Term Based; Jennifer Jones ; 4 cr.

33271 003 LAB, 9:00-10:50 Th, Cina Hall 214, In Person Term Based; Jennifer Jones ; 4 cr.

3080 Cultural Constructions of the Body

(A-F or Audit; Prereq: Minimum 30 credits or instructor consent; credit will not be granted if already received for CST 3080)

33103 001 LEC, 10:00-11:50 MW, Heller Hall 216, In Person Term Based; Mitra Emad ; 4 cr.

3628 Women in Cross-Cultural Perspective

(A-F or Audit; Prereq: minimum 30 credits)

33104 001 LEC, 12:00-13:15 MW, Humanities Building 480, In Person Term Based; Jennifer Jones ; 3 cr.

3691 Independent Study in Anthropology

(A-F only; Prereq: preferred minimum 30 credits, instructor consent)

29799 001 IND, In Person Term Based; 1-5 cr.

3888 Anthropology of Food

(A-F only; Prereq: minimum 30 creditsSUSTAIN)

29667 001 LEC, 11:00-12:15 TTh, Cina Hall 214, In Person Term Based; Tim Routs ; 3 cr.

4100 Visual Anthropology

(A-F or Audit; Prereq: minimum 30 credits)

35000 001 LEC, 14:00-15:50 MW, Cina Hall 214, In Person Term Based; Mitra Emad ; 4 cr.

4633 Ethnobotany

(A-F only; Prereq: minimum 60 credits or instructor consentSUSTAIN)

33105 001 LEC, 14:00-15:50 TTh, Humanities Building 403, In Person Term Based; Meets With: 550 ANTH4633; David Syring ; 4 cr.

35755 550 LEC, 14:00-15:50 TTh, Humanities Building 403, In Person Term Based; Meets With: 001 ANTH4633; David Syring ; 4 cr.

4651 Development of Anthropological Theory

(A-F or Audit; Prereq: minimum 90 credits, no grad credit)

33106 001 LEC, 16:00-17:50 TTh, Cina Hall 214, In Person Term Based; Kathryn Milun ; 4 cr.

4691 Independent Study in Anthropology

(A-F only; Prereq: Preferred minimum 60 credits, instructor consent, no grad credit)

29773 002 IND, Independent/Directed Study; 1-5 cr.

29790 001 IND, Independent/Directed Study; 1-5 cr.

4697 Anthropology Internship

(S-N only; Prereq: preferred minimum 60 credits, instructor consent, no grad credit)

29801 001 FWK, Independent/Directed Study; 2-6 cr.

4699 Honors Project

(A-F only; Prereq: instructor consent; no grad credit)

29802 001 IND, Independent/Directed Study; 2-4 cr.

4910 Teaching Assistantship in Anthropology

(A-F only; Prereq: Minimum 60 credits and instructor consent, no grad credit; maximum 3 credits between ANTH 4997 and 4910)

29719 002 FWK, Independent/Directed Study; 1-3 cr.

29886 001 FWK, Independent/Directed Study; 1-3 cr.

Art (ART)

901 Graphic Design Portfolio Review

(S-N or Audit; Prereq: (repeatable one time), 9 credits in art courses, pre-graphic design major or pre-graphic design and marketing major or department consent)

31840 001 DIS, In Person Term Based; Matt Olin ; 0 cr.

902 Studio Art Portfolio Review

(S-N only; Prereq: 15 credits in art courses, pre-studio art major or department consent)

31768 001 DIS, In Person Term Based; David Bowen ; 0 cr.

903 Art Education Portfolio Review

(S-N or Audit; Prereq: (repeatable one time), 9 credits in art courses, pre-art education major or department consent)

31336 001 DIS, In Person Term Based; Alison Aune ; 0 cr.

1001 Art Today

(A-F or Audit; FINE ARTS)

31802 001 LEC, 9:00- 9:50 MWF, Bohannon Hall 90, In Person Term Based; Rob Wittig ; 3 cr.

1002 Introduction to Art

(A-F or Audit; Prereq: Not for art majors or minors except those in art historyFINE ARTS)

31175 001 LEC, 12:00-13:40 MW, A B Anderson Hall 125, In Person Term Based; Jeffrey Kalstrom ; 3 cr.

31176 002 LEC, 14:00-15:40 MW, A B Anderson Hall 125, In Person Term Based; Jeffrey Kalstrom ; 3 cr.

31389 003 LEC, 8:00- 9:40 TTh, A B Anderson Hall 125, In Person Term Based; Robin Murphy ; 3 cr.

1004 Sustainable Visual Culture Practices

(A-F or Audit; SUSTAIN)

31803 001 DIS, Completely Online; Cecilia Ramon ; 3 cr.

1009 Fundamentals of Drawing

(A-F or Audit; Prereq: Not for art majors or minorsFINE ARTS)

31741 001 LEC, 14:00-15:55 TTh, A B Anderson Hall 325, In Person Term Based; Jayme Christine ; 3 cr.

1010 Drawing I

(A-F or Audit; Prereq: Art or art education major or Theatre BFA Scenic Design or Costume Design or art minor or Graphic Design and Marketing or instructor consent)

31179 001 LEC, 10:00-11:55 MW, A B Anderson Hall 325, In Person Term Based; Jayme Christine ; 3 cr.

31180 002 LEC, 12:00-13:55 MW, A B Anderson Hall 325, In Person Term Based; Jayme Christine ; 3 cr.

31326 003 LEC, 14:00-15:55 MW, A B Anderson Hall 325, In Person Term Based; Robert Repinski ; 3 cr.
32984 004 LEC, 12:00-13:55 TTh, A B Anderson Hall 325, In Person Term Based; Jayme Christine ; 3 cr.

1011 2-D Design

(A-F or Audit; Prereq: Art or art education major or pre GDM BFA, or GDM BFA or pre MGD BBA or MGD BBA or art minor or instructor consent; credit will not be granted if already received for ART 1002)
31181 001 LEC, 10:00-11:55 MW, A B Anderson Hall 125, In Person Term Based; Darren Houser ; 3 cr.
31182 002 LEC, 10:00-11:55 TTh, A B Anderson Hall 125, In Person Term Based; Jeffrey Kalstrom ; 3 cr.
31183 003 LEC, 12:00-13:55 TTh, A B Anderson Hall 125, In Person Term Based; Robin Murphy ; 3 cr.
31184 004 LEC, 16:00-19:50 T, A B Anderson Hall 125, In Person Term Based; Cecilia Ramon ; 3 cr.
31382 005 LEC, 16:00-19:50 W, A B Anderson Hall 125, In Person Term Based; Cecilia Ramon ; 3 cr.

1012 3-D Design

(A-F or Audit; Prereq: Art or art education major or architecture and design studies minor or instructor consent)
31154 001 LEC, 10:00-11:55 MW, A B Anderson Hall 135, In Person Term Based; Eun-Kyung Suh ; 3 cr.
31373 002 LEC, 12:00-13:55 MW, A B Anderson Hall 135, In Person Term Based; Eun-Kyung Suh ; 3 cr.
31780 003 LEC, 14:00-15:55 TTh, A B Anderson Hall 135, In Person Term Based; Robin Murphy ; 3 cr.

1013 2-D Digital Design

(A-F or Audit; Prereq: Art or art education major or pre GDM BFA or GDM BFA or pre MGD BBA or MGD BBA or GIS major or Journalism major or art minor or photography minor or arts in media minor or instructor consent. Laptop required; digital instruction presented only on the Mac platform.)
31173 001 LEC, 10:00-11:55 MW, Montague Hall 108, In Person Term Based; Kristen Pless ; 3 cr.
31174 002 LEC, 14:00-15:55 MW, Montague Hall 239, In Person Term Based; Kristen Pless ; 3 cr.
31378 003 LEC, 8:00- 9:55 TTh, Montague Hall 239, In Person Term Based; Betsy Hunt ; 3 cr.
31379 004 LEC, 10:00-11:55 TTh, Montague Hall 239, In Person Term Based; Betsy Hunt ; 3 cr.
31804 005 LEC, 12:00-13:55 TTh, Montague Hall 239, In Person Term Based; Jennifer Gordon ; 3 cr.
33186 006 LEC, 8:00- 9:55 TTh, Montague Hall 108, In Person Term Based; Kristen Pless ; 3 cr.

1105 Fundamentals of Painting

(A-F or Audit; FINE ARTS)
31825 001 LAB, 10:00-11:55 TTh, Humanities Building 318, In Person Term Based; Ryuta Nakajima ; 3 cr.

1306 Fundamentals of Screenprinting

(A-F or Audit; Prereq: Not for Art majors or minor/FINE ARTS)
31811 001 LEC, 14:00-15:55 TTh, Humanities Building 332, In Person Term Based; Darren Houser ; 3 cr.

1605 Fundamentals of Photography

(A-F or Audit; Prereq: Not for art majors or minors/FINE ARTS)
32975 001 LEC, 8:00- 9:55 MW, Cina Hall 16, In Person Term Based; Wanda Pearcy ; 3 cr.

1814 Creating Across Cultures

(A-F or Audit; Prereq: Credit will not be granted if already received for 2814/FINE ARTS,CDIVERSITY)
31744 001 LEC, Completely Online; Cecilia Ramon ; 3 cr.

1900 Visual Literacy

(A-F or Audit; Prereq: Credit will not be granted if already received for 2900/FINE ARTS)
31743 001 LEC, 9:30-10:45 TTh, Humanities Building 314, In Person Term Based; James Klueg ; 3 cr.

2016 Digital Arts: Mixed-Media Studio

(A-F or Audit; Prereq: 1013, art or art education major, pre-art education major or pre-graphic design major, or art or photography minor or instructor consent; credit will not be granted if already received for 3016)
31334 002 LEC, 10:00-11:55 TTh, A B Anderson Hall 335, Partially Online; Joellyn Rock ; 3 cr.

2030 Digital Arts: Time-based Media

(A-F or Audit; Prereq: 1013, art or art related majors or minors or instructor consent; credit will not be granted if already received for 3030)
31406 001 LEC, 10:00-11:55 MW, A B Anderson Hall 335, In Person Term Based; Betsy Hunt ; 3 cr.

2040 Digital Filmmaking: Visual Narratives

(A-F or Audit; Prereq: 1013 or Journalism major or film minor or instructor consent)

31820 001 LAB, 14:00-17:50 W, A B Anderson Hall 335, In Person Term Based; Meets With: 001 ART 4040; Joellyn Rock ; 3 cr.

2100 Painting I

(A-F or Audit; Prereq: 1006 or 1009 or 1010, 1011, art or art education major or art minor or instructor consent; credit will not be granted if already received for 1100)
31162 001 LEC, 14:00-15:55 MW, Humanities Building 318, In Person Term Based; Ryuta Nakajima ; 3 cr.

2200 Sculpture I

(A-F or Audit; Prereq: 1015 or 1012, art or art education major or art minor or instructor consent; credit will not be granted if already received for 1200)
31153 001 LEC, 12:00-13:55 MW, A B Anderson Hall 145, In Person Term Based; David Bowen ; 3 cr.

2300 Printmaking I: Intaglio, Relief

(A-F or Audit; Prereq: 1006 or 1009 or 1010, 1011, art or art education major or art minor or instructor consent)
31369 001 LEC, 10:00-11:55 MW, Humanities Building 332, In Person Term Based; Robert Repinski ; 3 cr.

2301 Printmaking I: Litho, Screen

(A-F or Audit; Prereq: 1006 or 1009 or 1010, 1011, art or art education major or art minor or instructor consent; credit will not be granted if already received for 1301)
31742 001 LEC, 10:00-11:55 TTh, Humanities Building 332, In Person Term Based; Darren Houser ; 3 cr.

2400 Ceramics I

(A-F or Audit; Prereq: 1012, art or art education major or art minor or instructor consent; credit will not be granted if already received for 1400)
31158 001 LEC, 12:00-13:55 TTh, A B Anderson Hall 155, In Person Term Based; Elizabeth James ; 3 cr.

2500 Jewelry and Metals I

(A-F or Audit; Prereq: 1011 or 1013, art or art education major or art minor or instructor consent; credit will not be granted if already received for 1500)
32990 001 LEC, 10:00-11:55 TTh, A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 3500; Eun-Kyung Suh ; 3 cr.

2600 Photography I

(A-F or Audit; Prereq: 1013, Art major or Art or Photography Minor or Arts in Media Minor or instructor consent; credit will not be granted if already received for ART 1600, 1605 or 1607)

31177 001 LEC, 10:00-11:55 MW, Cina Hall 16, In Person Term Based; Gloria DeFilipps Brush ; 3 cr.
31374 002 LEC, 12:00-13:55 MW, Cina Hall 16, In Person Term Based; Wanda Pearcy ; 3 cr.

2810 Art in Elementary Education

(A-F or Audit; Prereq: pre-Elementary education major/FINE ARTS)
31581 001 LAB, 10:00-11:55 TTh, Humanities Building 331, In Person Term Based; Meets With: 001 ART 3809; Alison Aune ; 3 cr.
31809 002 LAB, 12:00-13:55 TTh, Humanities Building 331, In Person Term Based; Alison Aune ; 3 cr.

2905 Design Technology I

(A-F or Audit; Prereq: 1013 and graphic design major or GDM BFA or pre MGD BBA or GD BFA or arts in media minor or instructor consent; laptop required; digital instruction presented only on the Mac platform.)
31169 001 LAB, 12:00-13:55 MW, Montague Hall 108, In Person Term Based; Victoria Lehman ; 3 cr.
31323 002 LAB, 14:00-15:55 MW, Montague Hall 108, In Person Term Based; Victoria Lehman ; 3 cr.
31349 003 LAB, 10:00-11:55 TTh, Montague Hall 108, In Person Term Based; Victoria Lehman ; 3 cr.
31769 004 LAB, 12:00-13:55 TTh, Montague Hall 108, In Person Term Based; Victoria Lehman ; 3 cr.

2907 Typography I

(A-F or Audit; Prereq: ART 1013 and Graphic design major or GDM BFA or MGD or pre-MGD BBA or digital arts and photography emphasis or instructor consent; laptop required; digital instruction presented only on the Mac platform.)
31339 001 LEC, 8:00- 9:55 MW, Montague Hall 239, In Person Term Based; Jennifer Gordon ; 3 cr.
31343 002 LEC, 10:00-11:55 MW, Montague Hall 239, In Person Term Based; Jennifer Gordon ; 3 cr.
31350 003 LEC, 14:00-15:55 TTh, Montague Hall 239, In Person Term Based; Jennifer Gordon ; 3 cr.
31770 004 LEC, 16:00-17:55 TTh, Montague Hall 239, In Person Term Based; Terresa Hardaway ; 3 cr.

2911 Graphic Design I

(A-F or Audit; Prereq: 2905, 2907, graphic design major or GDM BFA or pre-MGD BBA or MGD BBA or instructor consent; laptop required; digital instruction presented only on the Mac platform.)
31812 001 LEC, 12:00-13:55 MW, Montague Hall 239, In Person Term Based; Rob Wittig ; 3 cr.

3040 Digital Filmmaking: Experimental Techniques

(A-F or Audit; Prereq: 2030 or 2040 or instructor consent)
33247 001 LAB, 12:00-13:55 MW, A B Anderson Hall 335, In Person Term Based; Betsy Hunt ; 3 cr.

3100 Painting II

(A-F or Audit; Prereq: 2100, art or art education major, pre-art education major or pre-graphic design major, or art minor or instructor consent; max 9 credits)
31163 001 LEC, 12:00-13:55 MW, Humanities Building 318, In Person Term Based; Meets With: 001 ART 4100; Ryuta Nakajima ; 3 cr.

3200 Sculpture II

(A-F or Audit; Prereq: 2200, art or art education major or art minor or instructor consent)
31390 001 LEC, 14:00-15:55 MW, A B Anderson Hall 145, In Person Term Based; Meets With: 001 ART 4200; David Bowen ; 3 cr.

3400 Ceramics II

(A-F or Audit; Prereq: 2400 or instructor consent)
31159 001 LEC, 14:00-15:55 TTh, A B Anderson Hall 155, In Person Term Based; Meets With: 001 ART 4400; Elizabeth James ; 3 cr.

3405 Fundamentals of Ceramics II

(Student Option; Prereq: 1405 or instructor consent; not for art majors or minors/FINE ARTS)
33170 001 LEC, 10:00-11:55 MW, A B Anderson Hall 155, In Person Term Based; Meets With: 001 ART 3425; Elizabeth James ; 3 cr.

3425 Ceramics II Wheel Throwing

(A-F or Audit; Prereq: 2400, art or art education major or art minor or instructor consent)
31776 001 LEC, 10:00-11:55 MW, A B Anderson Hall 155, In Person Term Based; Meets With: 001 ART 3405; Elizabeth James ; 3 cr.

3500 Jewelry and Metals II

(A-F or Audit; Prereq: 2500, art or art education major or art minor or instructor consent)
32991 001 LEC, 10:00-11:55 TTh, A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 2500; Eun-Kyung Suh ; 3 cr.

3600 Photography: Alternative Processes

(A-F or Audit; Prereq: 1013, 1607 or 2600, Art major or Art or Photography minor or instructor consent)
31178 001 LEC, 12:00-13:55 TTh, Cina Hall 16, In Person Term Based; Wanda Pearcy ; 3 cr.

3615 Photography: Inventing with Light

(A-F or Audit; Prereq: 1013, 1607 or 2600, pre-DAP or Studio DAP major or Photography minor or instructor consent)
33248 001 LAB, 8:00- 9:55 MW, Marshall Perform Arts Ctr 154, In Person Term Based; Kristen Pless ; 3 cr.

3700 Drawing II

(A-F or Audit; Prereq: 1006 or 1009 or 1010, art or art education major, pre-art education major or pre-graphic design major, or art minor or instructor consent)
31815 001 LEC, 10:00-11:55 TTh, A B Anderson Hall 325, In Person Term Based; Meets With: 001 ART 4700; Robert Repinski ; 3 cr.

3809 Art in Elementary Education Methods

(A-F or Audit; Prereq: 0903, art education candidate)
32929 001 LEC, 10:00-11:55 TTh, Humanities Building 331, In Person Term Based; Meets With: 001 ART 2810; Alison Aune ; 3 cr.

3814 Digital Methods in Art Education

(A-F or Audit; Prereq: Art education major or instructor consent)
31395 001 LAB, 15:00-18:50 T, A B Anderson Hall 335, In Person Term Based; Joellyn Rock ; 3 cr.

3906 Emerging Media Design

(A-F or Audit;)

31805 001 LAB, 8:00-9:55 MW, Montague Hall 121, In Person Term Based; John O'Neill ; 3 cr.
 31806 002 LAB, 10:00-11:55 MW, Montague Hall 121, In Person Term Based; John O'Neill ; 3 cr.
 31807 003 LAB, 12:00-13:55 TTh, Montague Hall 121, In Person Term Based; John O'Neill ; 3 cr.

3922 Graphic Design II

(A-F or Audit; Prereq: 2911, graphic design major or GDM BFA or MGD BBA or instructor consent; laptop required; digital instruction presented only on the Mac platform.)

31381 002 LEC, 14:00-15:55 MW, Montague Hall 121, In Person Term Based; Teresa Hardaway ; 3 cr.
 31579 001 LEC, 12:00-13:55 MW, Montague Hall 121, In Person Term Based; Teresa Hardaway ; 3 cr.
 31580 003 LEC, 14:00-17:50 T, Montague Hall 206, In Person Term Based; Janice Kmetz ; 3 cr.

4040 Digital Filmmaking: Advanced Projects

(A-F only; Prereq: 2040 or 3040 or instructor consent)
 31823 001 LAB, 14:00-17:50 W, A B Anderson Hall 335, In Person Term Based; Meets With: 001 ART 2040; Joellyn Rock ; 3 cr.

4091 Individual Study in Electronic Arts

(A-F or Audit; Prereq: 2014 or 3018, art or art education major and instructor consent)
 31792 001 IND, Independent/Directed Study; Gloria DeFilippis Brush ; 1-3 cr.

4100 Painting III

(A-F or Audit; Prereq: 3100, art or art education major or art minor or instructor consent; no grad credit)
 31370 001 LEC, 12:00-13:55 MW, Humanities Building 318, In Person Term Based; Meets With: 001 ART 3100; Ryuta Nakajima ; 3 cr.

4191 Individual Study in Painting

(A-F or Audit; Prereq: Two semesters painting, instructor consent; no grad credit)
 31793 001 IND, Independent/Directed Study; Ryuta Nakajima ; 1-3 cr.

4200 Sculpture III

(A-F or Audit; Prereq: 3200, art or art education major or art minor or instructor consent; no grad credit)
 31391 001 LEC, 14:00-15:55 MW, A B Anderson Hall 145, In Person Term Based; Meets With: 001 ART 3200; David Bowen ; 3 cr.

4400 Ceramics III

(A-F or Audit; Prereq: 3400, art or art education major or art minor or instructor consent; no grad credit)
 31160 001 LEC, 14:00-15:55 TTh, A B Anderson Hall 155, In Person Term Based; Meets With: 001 ART 3400; Elizabeth James ; 3 cr.

4491 Individual Study in Ceramics

(A-F or Audit; Prereq: 2 semesters ceramics, department consent)
 31791 001 IND, Independent/Directed Study; Elizabeth James ; 1-3 cr.

4600 Photography: Digital Portfolio

(A-F or Audit; Prereq: 1900, 1607 or 2600, art major or art or photography minor or instructor consent)
 31767 001 LEC, 14:00-15:55 MW, Cina Hall 16, In Person Term Based; Gloria DeFilippis Brush ; 3 cr.

4650 Alternative Processes Portfolio

(A-F only; Prereq: 3600, art or art education major or photography minor or instructor consent)
 31388 001 LAB, 14:00-15:55 TTh, Cina Hall 16, In Person Term Based; Wanda Pearcy ; 3 cr.

4691 Individual Study in Photography

(A-F or Audit; Prereq: 2 semesters of photography, department consent)
 31788 001 IND, Independent/Directed Study; Gloria DeFilippis Brush ; 1-3 cr.

4700 Drawing III

(A-F or Audit; Prereq: 3700, art or art education major or art minor or instructor consent)
 31407 001 LEC, 10:00-11:55 TTh, A B Anderson Hall 325, In Person Term Based; Meets With: 001 ART 3700; Robert Repinski ; 3 cr.

4812 Senior Seminar

(A-F or Audit; Prereq: Senior or instructor consent; no grad credit)
 31813 001 LEC, 12:00-13:15 MW, A B Anderson Hall 345, In Person Term Based; Gloria DeFilippis Brush ; 3 cr.

4813 Senior Seminar II: Studio Practice

(A-F or Audit; Prereq: 4812, Senior or instructor consent, studio art-general major; no grad credit)
 31398 001 LEC, 14:00-15:15 MW, A B Anderson Hall 345, In Person Term Based; Darren Houser ; 3 cr.

4897 Visual Culture Internship

(A-F or Audit; Prereq: Graphic Design major or Graphic Design concurrent registration is required (or allowed) in Marketing major or General Studio BFA major or Art BA major, instructor consent; 1 cr for each 45 hrs of fieldwork; no grad credit)

31797 001 FWK, In Person Term Based; Matt Olin ; 1-9 cr.
 31843 002 FWK, In Person Term Based; Janice Kmetz ; 1-9 cr.
 37426 003 FWK, In Person Term Based; Victoria Lehman ; 1-9 cr.
 37485 004 FWK, In Person Term Based; Teresa Hardaway ; 1-9 cr.

4898 Art BA Senior Exhibition

(S-N only; Prereq: Senior Art BA major, department consent; no grad credit)
 32974 001 IND, In Person Term Based; David Bowen ; 1 cr.

4899 Senior Presentation/Exhibition

(A-F or Audit; Prereq: Senior art major, instructor consent; no grad credit)
 31185 001 LAB, In Person Term Based; David Bowen ; 1 cr.

4909 Interactive Design II

(A-F or Audit; Prereq: 4908, graphic design major, or digital art and photography emphasis or Grad Student, or instructor consent; credit will not be granted if already received for 5910: laptop required; digital instruction presented only on the Mac platform.)

32978 001 LAB, 8:00-9:55 TTh, Montague Hall 121, In Person Term Based; Matt Olin ; 3 cr.
 32979 002 LAB, 10:00-11:55 TTh, Montague Hall 121, In Person Term Based; Matt Olin ; 3 cr.

4922 Senior Design Studio I

(A-F or Audit; Prereq: 3933 or 3937 or instructor consent; no grad credit)
 31340 001 LEC, 12:00-13:55 MW, Montague Hall 206, In Person Term Based; Janice Kmetz ; 3 cr.
 31351 002 LEC, 14:00-15:55 MW, Montague Hall 206, In Person Term Based; Janice Kmetz ; 3 cr.
 31396 003 LEC, 12:00-13:55 TTh, Montague Hall 206, In Person Term Based; David Short ; 3 cr.

4933 Senior Design Studio II

(A-F or Audit; Prereq: 3933 or instructor consent)
 31399 001 LEC, 16:00-19:50 T, Montague Hall 121, In Person Term Based; Rob Wittig ; 3 cr.

4944 Graphic Design IV

(A-F or Audit; Prereq: 3933, Graphic Design major or GDM BFA major or instructor consent; laptop required; digital instruction presented only on a Mac platform; no grad credit)
 31764 001 LEC, 10:00-11:55 MW, Montague Hall 206, In Person Term Based; David Short ; 3 cr.
 31765 002 LEC, 14:00-15:55 TTh, Montague Hall 121, In Person Term Based; David Short ; 3 cr.

4955 Graphic Design V

(A-F or Audit; Prereq: 3933, Graphic Design major or GDM BFA or instructor consent; laptop required; digital instruction presented only on a Mac platform; no grad credit)
 31777 001 LEC, 8:00-9:55 MW, Montague Hall 206, In Person Term Based; Matt Olin ; 3 cr.

Art History (ARTH)**1303 History of World Art I**

(A-F or Audit; GLOBAL PER,HUMANITIES)
 31352 001 LEC, 9:30-10:45 TTh, Solon Campus Center 120, In Person Term Based; Jennifer Webb ; 3 cr.

1305 Survey of Non-Western Art

(A-F or Audit; GLOBAL PER,HUMANITIES)
 32055 001 LEC, 14:00-15:15 TTh, Humanities Building 314, In Person Term Based; Jamie Ratliff ; 3 cr.

3110 Art of the Ancient Americas

(A-F or Audit;)
 32051 001 LEC, 9:30-10:45 TTh, A B Anderson Hall 345, In Person Term Based; Jamie Ratliff ; 3 cr.

3130 Modern and Contemporary Mexican Art

(A-F or Audit;)

32052 001 LEC, 12:30-13:45 TTh, A B Anderson Hall 345, In Person Term Based; Jamie Ratliff ; 3 cr.

3340 Baroque and Rococo Art

(A-F or Audit;)
 35764 001 LEC, 10:00-11:15 MW, A B Anderson Hall 345, In Person Term Based; Jennifer Webb ; 3 cr.

4330 Florence and the Courts: History of Art & Architecture in Fifteenth-century Italy

(A-F or Audit; Prereq: 3330, Art History major or instructor consent; no grad credit)
 32054 001 LEC, 11:00-12:15 TTh, A B Anderson Hall 345, In Person Term Based; Jennifer Webb ; 3 cr.

4999 Senior Paper Art History

(A-F or Audit; Prereq: Major in ArTH with 90 credits, instructor consent, no grad credit)
 31786 001 IND, Independent/Directed Study; Jennifer Webb ; 1 cr.
 31796 002 IND, Independent/Directed Study; Jamie Ratliff ; 1 cr.

5391 Directed Study in Renaissance and Baroque Art

(A-F or Audit; Prereq: instructor consent; max 6 credits for undergraduates)
 35878 001 IND, In Person Term Based; Jennifer Webb ; 1-3 cr.

Astronomy (AST)**1040 Introductory Astronomy**

(A-F or Audit; NAT SCI)
 30057 001 LEC, 12:00-12:50 MWF, Life Sciences Bldg 185, In Person Term Based; Alec Habig ; 3 cr.
 30075 002 LEC, 18:00-20:30 M, M W Alworth Hall 195, In Person Term Based; Susan Hartley ; 3 cr.

1050 Native Skywatchers: Indigenous Ethno- and ArchaeoAstronomy

(A-F or Audit; CDIVERSITY)
 30781 001 LEC, 16:00-16:50 MWF, M W Alworth Hall 191, In Person Term Based; James Rock ; 3 cr.

Behavioral Sciences (BHSC)**5491 Problems in Medical Behavioral Sciences**

(A-F or Audit; Prereq: Med or upper div or Grad Student, instructor consent; max 6 cr to grad program)
 30903 001 IND, 00:00-00:00 , , In Person Term Based; James Allen ; 1-6 cr.

5591 Social and Behavioral Medicine II

(P-N only; Prereq: Registered med student, instructor consent)
 32925 001 LEC, In Person Term Based; Michele Statz ; 4 cr.

BioMedical Sciences (BMS)**3194 Biochemistry Undergraduate Research**

(S-N or Audit; Prereq: instructor consent)
 30933 001 IND, 00:00-00:00 , , Independent/Directed Study; Lynne Bemis, Andrew Skildum, Lester Drewes, Benjamin Clarke ; 1-3 cr.

4094 Directed Research in Pharmacology I

(A-F or Audit; Prereq: Upper div sci major, instructor consent)
 30938 001 IND, In Person Term Based; George Trachte, Benjamin Clarke ; 1-10 cr.

5204 Pharmacology Seminar

(A-F or Audit; Prereq: Grad student, instructor consent)
 30939 001 LEC, In Person Term Based; George Trachte ; 1 cr.

5294 Research in Physiology

(Student Option; Prereq: instructor consent)
 30940 001 IND, In Person Term Based; George Trachte, Sara Zimmer ; 1-15 cr.

5545 Immunology

(A-F or Audit; Prereq: department consent)
30937 001 LEC, 9:30-10:45 TTh, School of Medicine 68, In Person Term Based; Kevin Diebel ; 3 cr.

5601 Physiology of Organ Systems I

(A-F or Audit; Prereq: Biol 2101 or Biol 2201 or Chem 3322 or 4341 or instructor consent)

30934 001 LEC, 11:00-11:50 MTThF, School of Medicine 68, In Person Term Based; Goran Hellekant, George Trachte, Kendra Nordgren ; 4 cr.

5602 Physiology of Organ Systems II

(A-F or Audit; Prereq: 5601 or instructor consent)
30935 001 LEC, 14:00-16:00 TTh, Room TBA, In Person Term Based; George Trachte ; 2 cr.

30936 002 LAB, 00:00-00:00 , In Person Term Based; George Trachte ; 2 cr.

8151 Journal Club

(S-N or Audit; Prereq: Graduate Student or Med Student)

30942 001 LEC, In Person Term Based; Lynne Bemis, Lester Drewes ; 1 cr.

30943 002 LEC, In Person Term Based; Lynne Bemis, Lester Drewes ; 1 cr.

8294 Current Research Techniques

(S-N or Audit; Prereq: Biochemistry, Chemistry or Medical Graduate Student, instructor consent)

30941 001 IND, In Person Term Based; Lynne Bemis, Sara Zimmer, Benjamin Clarke, Paula Teruhlen ; 1-3 cr.

Biology (BIOL)

1001 Biology and Society

(A-F or Audit; Prereq: For nonmajors NAT SCI,SUSTAIN)

30029 001 LEC, 9:30-10:45 TTh, Bohannon Hall 90, In Person Term Based; Mark Osadjan ; 4 cr.

30030 002 LAB, 11:00-12:50 T, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30031 003 LAB, 15:00-16:50 T, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30032 004 LAB, 8:00- 9:50 W, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30033 005 LAB, 13:00-14:50 W, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30034 006 LAB, 17:00-18:50 W, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30035 007 LAB, 11:00-12:50 Th, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30141 008 LAB, 13:00-14:50 Th, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30142 009 LAB, 15:00-16:50 Th, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30381 010 LEC, 15:30-16:45 TTh, Life Sciences Bldg 185, In Person Term Based; Jared Strasburg ; 4 cr.

30382 011 LAB, 9:00-10:50 T, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30466 012 LAB, 13:00-14:50 T, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30467 013 LAB, 17:00-18:50 T, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30796 014 LAB, 11:00-12:50 W, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30797 015 LAB, 15:00-16:50 W, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30798 016 LAB, 9:00-10:50 Th, Life Sciences Bldg 354, In Person Term Based; 4 cr.

30843 050 LEC, Partially Online; Colleen Belk ; 4 cr.

30844 051 LAB, Partially Online; Colleen Belk ; 4 cr.

1011 General Biology I

(A-F or Audit; Prereq: 1 yr high school Chem or 1 semester college Chem, Math ACT 21 or higher or MATH 1005 or higher; credit will not be granted if already received for BIOL 1013NAT SCI)

30017 001 LEC, 14:00-15:15 TTh, Life Sciences Bldg 185, In Person Term Based; Katie Nemeth ; 5 cr.

30018 002 DIS, 9:00- 9:50 M, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30019 003 LAB, 8:30-10:45 W, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30020 004 DIS, 14:00-14:50 M, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30021 005 LAB, 13:30-15:45 W, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30022 006 DIS, 11:00-11:50 T, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30023 007 LAB, 11:00-13:15 Th, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30024 008 DIS, 16:00-16:50 Th, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30025 009 LAB, 16:00-18:15 T, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30026 010 DIS, 17:00-17:50 T, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30293 011 LAB, 17:00-19:15 Th, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

1012 General Biology II

(A-F or Audit; Prereq: A grade of C- or better in 1011SUSTAIN)

30105 001 LEC, 11:00-11:50 MWF, Chemistry Building 200, In Person Term Based; Paul Bates ; 5 cr.

30106 002 DIS, 8:00- 8:50 F, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30107 003 LAB, 8:00-10:15 W, James I Swenson Sci Bldg 109, In Person Term Based; 5 cr.

30108 004 DIS, 12:00-12:50 F, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30109 006 DIS, 9:00- 9:50 T, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30110 007 LAB, 8:00-10:15 Th, James I Swenson Sci Bldg 109, In Person Term Based; 5 cr.

30111 008 DIS, 8:00- 8:50 Th, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30112 010 DIS, 12:00-12:50 Th, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30150 012 DIS, 13:00-13:50 Th, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30158 005 LAB, 12:00-14:15 W, James I Swenson Sci Bldg 109, In Person Term Based; 5 cr.

30159 009 LAB, 8:00-10:15 T, James I Swenson Sci Bldg 109, In Person Term Based; 5 cr.

30160 011 LAB, 10:30-12:45 T, James I Swenson Sci Bldg 109, In Person Term Based; 5 cr.

30290 013 LAB, 13:00-15:15 T, James I Swenson Sci Bldg 109, In Person Term Based; 5 cr.

30291 014 DIS, 17:00-17:50 Th, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30292 015 LAB, 16:00-18:15 T, James I Swenson Sci Bldg 109, In Person Term Based; 5 cr.

1013 General Biology I for Science and Engineering majors

(A-F or Audit; NAT SCI)

30799 001 LEC, 8:00- 8:50 MWF, Life Sciences Bldg 175, In Person Term Based; Shannon Stevenson ; 5 cr.

30800 002 DIS, 11:00-11:50 M, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30801 003 LAB, 11:00-13:15 W, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30802 004 DIS, 16:00-16:50 M, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30803 005 LAB, 16:00-18:15 W, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30804 006 DIS, 9:00- 9:50 Th, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30805 007 LAB, 8:30-10:45 T, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30806 021 LEC, 9:00- 9:50 MWF, Life Sciences Bldg 185, In Person Term Based; Joanne Itami ; 5 cr.

30807 022 DIS, 8:00- 8:50 T, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30808 023 LAB, 8:00-10:45 Th, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30809 024 DIS, 14:00-14:50 T, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30810 025 LAB, 14:00-16:15 Th, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

30811 026 DIS, 11:00-11:50 Th, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

30812 027 LAB, 11:00-13:15 T, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

33462 008 DIS, 14:00-14:50 Th, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

33463 009 LAB, 13:30-15:45 T, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

36854 010 DIS, 9:00- 9:50 W, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

36855 011 LAB, 9:00-11:15 F, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

36856 028 DIS, 18:00-18:50 Th, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

36857 029 LAB, 18:30-20:45 T, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

36858 030 DIS, 18:00-18:50 M, James I Swenson Sci Bldg 115, In Person Term Based; 5 cr.

36859 031 LAB, 18:30-20:45 W, James I Swenson Sci Bldg 113, In Person Term Based; 5 cr.

2001 Our Food: Science and Production

(A-F or Audit; NAT SCI,SUSTAIN)

33449 001 LEC, 9:00- 9:50 MWF, M W Alworth Hall 191, In Person Term Based; Paul Bates ; 3 cr.

2201 Genetics

(A-F or Audit; Prereq: A grade of C- or better in both 1011 and 1012, CHEM 1114 or CHEM 1155 or CHEM 1175; may be taken without lab BIOL 2202)

30037 001 LEC, 14:00-15:15 TTh, Engineering Building 290, In Person Term Based; Briana Gross ; 3 cr.

30823 002 LEC, 8:00- 9:15 TTh, Life Sciences Bldg 175, In Person Term Based; Briana Gross ; 3 cr.

2202 Genetics Laboratory

(A-F only; Prereq: A grade of C- or better in 1011, 1012 and 2201 (concurrent registration is allowed for 2201))

30237 001 LAB, 9:00-12:50 W, James I Swenson Sci Bldg 103, In Person Term Based; Katie Nemeth ; 2 cr.

30238 002 LAB, 13:00-16:50 W, James I Swenson Sci Bldg 103, In Person Term Based; 2 cr.

30294 003 LAB, 17:00-20:50 W, James I Swenson Sci Bldg 103, In Person Term Based; 2 cr.

2410 Ecology and Evolution

(A-F or Audit;)

33456 001 LEC, 8:00- 9:15 TTh, James I Swenson Sci Bldg 216, In Person Term Based; Joanne Itami ; 3 cr.

2571 Microbiology for Human Health

(A-F or Audit;)

30824 001 LEC, 11:00-11:50 MF, James I Swenson Sci Bldg 207A, In Person Term Based; John Dahl ; 4 cr.

30825 002 LAB, 11:00-12:50 W, James I Swenson Sci Bldg 212, In Person Term Based; John Dahl ; 4 cr.

2801 General Ecology

(A-F or Audit; Prereq: A grade of C- or better in both 1011 and 1012; may be taken without lab BIOL 2802)

30038 001 LEC, 9:30-10:45 TTh, Life Sciences Bldg 185, In Person Term Based; Tedy Ozersky ; 3 cr.

2802 Ecology Laboratory

(A-F or Audit; Prereq: A grade of C- or better in 1011, 1012 and 2801, concurrent enrollment is allowed in 2801.)

30039 001 LAB, 9:00-12:50 M, Life Sciences Bldg 328, In Person Term Based; 2 cr.

30040 002 LAB, 13:00-16:50 M, Life Sciences Bldg 328, In Person Term Based; 2 cr.

30041 003 LAB, 13:00-16:50 T, Life Sciences Bldg 328, In Person Term Based; 2 cr.

30042 004 LAB, 9:00-12:50 Th, Life Sciences Bldg 328, In Person Term Based; 2 cr.

33447 005 LAB, 13:00-16:50 Th, Life Sciences Bldg 328, In Person Term Based; 2 cr.

36454 006 LAB, 9:00-12:50 T, Life Sciences Bldg 328, In Person Term Based; Jessica Savage ; 2 cr.

3011 Writing for the Duluth Journal of Undergraduate Biology

(A-F or Audit;)

37328 002 LEC, 12:30-13:20 T, James I Swenson Sci Bldg 203, 10:00-11:40 M, James I Swenson Sci Bldg 203, In Person Term Based; Jennifer Liang, Rochelle Niefeldt, Kathy Stewart ; 3 cr.

3100 Cell Biology

(A-F or Audit;)

30235 001 LEC, 9:00- 9:50 MWF, Life Sciences Bldg 175, In Person Term Based; Shannon Stevenson ; 3 cr.

3401 Evolution

(A-F or Audit; Prereq: A grade of C- or better in all of the following Biology courses 1011, 1012, 2201 or IBS Grad student; credit will not be granted if already received for 3802, 4801 or 4802SUSTAIN)

30116 001 LEC, 13:00-13:50 TTh, Life Sciences Bldg 175, In Person Term Based; Jared Strasburg ; 3 cr.

30602 002 LAB, 9:00- 9:50 F, James I Swenson Sci Bldg 216, In Person Term Based; Jared Strasburg ; 3 cr.

30603 003 LAB, 10:00-10:50 F, James I Swenson Sci Bldg 216, In Person Term Based; 3 cr.

30604 004 LAB, 11:00-11:50 F, James I Swenson Sci Bldg 216, In Person Term Based; 3 cr.

30605 005 LAB, 12:00-12:50 F, James I Swenson Sci Bldg 216, In Person Term Based; 3 cr.

3502 General Microbiology

(A-F or Audit; Prereq: 2101 or 2110 or 3100 or IBS Grad student)

30669 001 LEC, 10:00-10:50 MW, M W Alworth Hall 191, In Person Term Based; Cody Sheik ; 4 cr.

30670 002 LAB, 8:00- 9:50 TTh, James I Swenson Sci Bldg 208, In Person Term Based; Cody Sheik ; 4 cr.

30671 003 LAB, 10:00-11:50 TTh, James I Swenson Sci Bldg 208, In Person Term Based; 4 cr.

30672 004 LAB, 12:00-13:50 TTh, James I Swenson Sci Bldg 208, In Person Term Based; 4 cr.

3601 Plant Diversity

(A-F or Audit; Prereq: 1012)

30236 001 LEC, 11:00-11:50 TTh, Chemistry Building 251, In Person Term Based; Amanda Grusz ; 3 cr.
 30239 002 LAB, 9:00-11:50 W, Life Sciences Bldg 306, In Person Term Based; Amanda Grusz ; 3 cr.
 30515 003 LAB, 12:00-14:50 W, Life Sciences Bldg 306, In Person Term Based; 3 cr.

3703 Animal Physiology

(A-F or Audit; Prereq: 1011, 1012, one semester college chemistry)

30117 001 LEC, 14:00-15:50 M, Chemistry Building 150, In Person Term Based; Allen Mensinger ; 3 cr.
 30118 002 LAB, 10:00-12:50 Th, James I Swenson Sci Bldg 105, In Person Term Based; 3 cr.
 30143 003 LAB, 16:00-18:50 Th, James I Swenson Sci Bldg 105, In Person Term Based; 3 cr.

3771 Human Anatomy

(A-F or Audit; Prereq: 1011, 1012; credit will not be granted if already received for 1761 or 2769)

30000 001 LEC, 14:00-15:15 TTh, Montague Hall 70, In Person Term Based; Mark Osadjan ; 4 cr.
 30001 002 LAB, 8:00- 9:30 MW, Life Sciences Bldg 326, In Person Term Based; 4 cr.
 30002 003 LAB, 10:00-11:30 MW, Life Sciences Bldg 326, In Person Term Based; 4 cr.
 30003 004 LAB, 12:00-13:30 MW, Life Sciences Bldg 326, In Person Term Based; Mark Osadjan ; 4 cr.
 30004 005 LAB, 14:00-15:30 MW, Life Sciences Bldg 326, In Person Term Based; 4 cr.
 30295 006 LAB, 16:00-17:30 MW, Life Sciences Bldg 326, In Person Term Based; 4 cr.
 30384 007 LAB, 18:00-19:30 MW, Life Sciences Bldg 326, In Person Term Based; 4 cr.

3835 Freshwater Ecology

(A-F or Audit; Prereq: 2801 or concurrent)

30551 001 LEC, 11:00-11:50 MWF, A B Anderson Hall 225, In Person Term Based; Thomas Hrabik ; 3 cr.

3987 Communication in Biology

(A-F only; Prereq: Minimum 90 credits, Biology or Cell and Molecular Biology major; credit will not be granted if already received for 3997 AND 3998)

30312 001 LEC, 15:00-16:15 F, Life Sciences Bldg 185, In Person Term Based; 2 cr.
 30835 002 DIS, 8:00- 8:50 MW, James I Swenson Sci Bldg 202, In Person Term Based; Donn Branstrator ; 2 cr.
 30836 003 DIS, 9:00- 9:50 MF, James I Swenson Sci Bldg 202, In Person Term Based; Allen Mensinger ; 2 cr.
 30837 004 DIS, 12:00-12:50 MW, James I Swenson Sci Bldg 202, In Person Term Based; Ron Moen ; 2 cr.
 30839 006 DIS, 10:00-10:50 TTh, James I Swenson Sci Bldg 202, In Person Term Based; Colleen Belk ; 2 cr.
 30840 007 DIS, 12:00-12:50 TTh, James I Swenson Sci Bldg 202, In Person Term Based; Colleen Belk ; 2 cr.

3993 Laboratory Teaching Experience

(S-N or Audit; Prereq: instructor consent required, biol or cell biol major, 90 cr incl 25 cr Biol; max 2 cr may be applied toward Biol major)

30036 001 LAB, 00:00-00:00 , In Person Term Based; Amanda Grusz, Paul Bates ; 1-2 cr.

3994 Undergraduate Research

(S-N or Audit; Prereq: A grade of C or better in both 1011 and 1012, 60 cr, department consent required; max 4 cr may be applied to biol or cell biol major as upper div elective)

30044 001 IND, 00:00-00:00 , Independent/Directed Study; 1-3 cr.

3996 Internship in Biology

(S-N or Audit; Prereq: A grade of C- or better in both 1011 and 1012, department consent required; max 1 cr may be applied to biol or cell biol major)

30043 001 FWK, 00:00-00:00 , Independent/Directed Study; 1-2 cr.

4199 Frontiers in Cell Biology

(A-F or Audit; Prereq: 2201 and 3100; credit will not be granted if already received for 5199)

33450 001 LEC, 16:00-17:50 M, Ed Endazhi-gikino'o'amaading 50, In Person Term Based; Hual Deng ; 3 cr.

4731 Entomology

(A-F or Audit; Prereq: 1012 or IBS Grad student)

33452 001 LEC, 13:00-13:50 MW, Life Sciences Bldg 340, In Person Term Based; Timothy Craig ; 3 cr.
 33453 002 LAB, 14:00-16:50 W, Life Sciences Bldg 340, In Person Term Based; Timothy Craig ; 3 cr.

4764 Mammalogy

(A-F or Audit; Prereq: 2801 or IBS Grad student)

30240 001 LEC, 13:00-13:50 MW, Life Sciences Bldg 330, In Person Term Based; Ron Moen ; 3 cr.

30259 002 LAB, 14:00-16:50 W, Life Sciences Bldg 330, In Person Term Based; Ron Moen ; 3 cr.

4992 Senior Seminar: Classic Readings in Natural History

(S-N or Audit; Prereq: Seniors who have declared a natural history minor, no grad credit)

30673 001 DIS, 12:00-13:15 T, Heller Hall 230D, In Person Term Based; John Pastor, Howard Mooers ; 1 cr.

5515 Microbial Diversity and Phylogeny

(A-F only; Prereq: 2101 or 3100 or 3502 or 4501 or IBS Grad student)

33458 001 LEC, 14:00-14:50 T, James I Swenson Sci Bldg 203, In Person Term Based; Randall Hicks ; 3 cr.

33459 002 LAB, 15:00-16:50 TTh, James I Swenson Sci Bldg 212, In Person Term Based; Randall Hicks ; 3 cr.

5805 Fisheries Ecology and Management

(A-F or Audit; Prereq: 2801, 2802, college-level course in statistics or WRS or IBS Grad student)

33457 001 LEC, 13:00-15:15 TTh, James I Swenson Sci Bldg 216, In Person Term Based; Bryan Matthias ; 3 cr.

5807 Mathematical Ecology

(A-F or Audit; Prereq: (2801, (Math 1290 or Math 1297)) or WRS or IBS Grad student)

33460 001 LEC, 10:00-10:50 MW, James I Swenson Sci Bldg 216, In Person Term Based; John Pastor ; 3 cr.

33461 002 LAB, 12:00-13:50 W, James I Swenson Sci Bldg 216, In Person Term Based; John Pastor ; 3 cr.

5809 Ecological Statistics

(A-F only;)

30845 001 LEC, 15:30-16:45 TTh, James I Swenson Sci Bldg 216, In Person Term Based; Tedy Ozersky ; 3 cr.

5870 Wetland Ecology

(A-F or Audit; Prereq: 2801, 2802 or WRS or IBS Grad student)

33464 001 LEC, 15:30-16:45 TTh, James I Swenson Sci Bldg 202, In Person Term Based; Valerie Brady ; 3 cr.

Business (BUS)**2100 Fundamentals of Accounting**

(A-F or Audit; Prereq: CUE major or or BTAG or Business Administration Certificate or Museum Studies Certificate or college consent; this course cannot be used to fulfill a LSBE major/minor requirement.)

31098 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Loren Erickson ; 2 cr.

2200 Fundamentals of Economics

(A-F or Audit; Prereq: CUE major or BTAG or Business Administration Certificate or college consent; this course cannot be used to fulfill a LSBE major/minor requirement.)

31099 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Gibson Nene ; 2 cr.

2400 Fundamentals of Organizational Management

(A-F or Audit; Prereq: CUE major or BTAG or Business Administration Certificate or Museum Studies Certificate or college consent; this course cannot be used to fulfill a LSBE major/minor requirement.)

31101 001 LEC, Completely Online; Jennifer Mencl ; 2 cr.

2500 Fundamentals of Applied Statistics

(A-F or Audit; Prereq: CUE major or Business Administration Certificate or BTAG or college consent; this course cannot be used to fulfill a LSBE major/minor requirement.)

31100 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Neil Wilmot ; 2 cr.

2700 Fundamentals of Marketing

(A-F or Audit; Prereq: CUE major or BTAG or Business Administration Certificate or Museum Studies Certificate or college consent; this course cannot be used to fulfill a LSBE major/minor requirement.)

35879 001 LEC, Completely Online; Ahmed Maamoun ; 2 cr.

Business Law (BLAW)**2001 The Legal Environment**

(A-F only; Prereq: Minimum 30 credits HUMANITIES)

31007 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Roger Reinsch ; 3 cr.

31067 003 LEC, 8:00- 8:50 MWF, Labovitz Schl Bus & Econ 118, In Person Term Based; Thomas Reed ; 3 cr.

31068 004 LEC, 16:00-17:15 MW, Labovitz Schl Bus & Econ 118, In Person Term Based; Thomas Reed ; 3 cr.

31106 002 LEC, 8:00- 9:15 TTh, Labovitz Schl Bus & Econ 118, In Person Term Based; Roger Reinsch ; 3 cr.

31142 005 LEC, 18:00-20:40 W, Labovitz Schl Bus & Econ 118, In Person Term Based; Thomas Reed ; 3 cr.

3001 Law and Ethics for Financial Professionals

(A-F only; Prereq: LSBE candidate or department consent)

31029 001 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 233, In Person Term Based; Roger Reinsch ; 3 cr.

3201 Law for Entrepreneurs

(A-F only; Prereq: LSBE candidate or college consent)

31116 001 LEC, 16:00-17:15 MW, Labovitz Schl Bus & Econ 229, In Person Term Based; Alan Roline ; 3 cr.

Career Exploration & Education (CNED)**2535 Major and Career Exploration**

(A-F or Audit; Prereq: Fewer than 45 credits or instructor consent)

28678 002 LEC, 17:00-18:15 M, Kirby Plaza 312, Primarily Online; Michele Hatcher ; 2 cr.

28680 001 LEC, 17:00-18:15 W, Solon Campus Center 21, Partially Online; Susan Holm ; 2 cr.

28682 003 LEC, 16:00-17:15 T, Kirby Plaza 312, Partially Online; Sherrill Yeaton ; 2 cr.

28741 004 LEC, 15:00-16:15 M, Solon Campus Center 120, Partially Online; Stacy Seminaara ; 2 cr.

28807 005 LEC, 17:00-18:15 Th, Kirby Plaza 309, Partially Online; Susan Lombardo ; 2 cr.

3535 Strategic Career Planning

(A-F or Audit; Prereq: Minimum 45 credits or instructor consent)

28683 001 IND, 00:00-00:00 , ONLINE, Completely Online; Katherine O'Sullivan ; 3 cr.

28684 002 IND, 00:00-00:00 , ONLINE, Completely Online; Janet Pribyl ; 3 cr.

Chemical Engineering (CHE)**1011 Introduction to Chemical Engineering.**

(A-F or Audit; Prereq: Pre or coreq Chem 1153 and 1154 or Chem 1161 and Math 1296 or Math 1596)

29920 001 LEC, 9:30-10:45 TTh, M V Alworth Hall 191, In Person Term Based; Elizabeth Hill ; 3 cr.

2011 Design of Engineering Experiments

(A-F or Audit; Prereq: Math 1297 and (prereq or coreq 2111 or 2211))

30380 001 LEC, 9:30-10:45 TTh, Engineering Building 204, In Person Term Based; Moe Benda ; 3 cr.

2121 Chemical Engineering Thermodynamics

(A-F or Audit; Prereq: 2111 or 2211, (prereq or coreq Math 3280))

30455 001 LEC, 14:00-14:50 MWF, Engineering Building 118, In Person Term Based; Zhuhua Xu ; 3 cr.

2211 Materials and Energy Balances

(A-F or Audit;)

30759 001 LEC, 9:00- 9:50 MWF, Engineering Building 177, In Person Term Based; Steven Sternberg ; 4 cr.

30760 002 DIS, 8:00- 8:50 Th, Chemistry Building 150, In Person Term Based; Steven Sternberg ; 4 cr.

30761 003 DIS, 16:00-16:50 Th, Swenson Civil Engineering 231, In Person Term Based; Steven Sternberg ; 4 cr.

30891 004 LEC, 8:00- 8:50 MWF, Engineering Building 177, In Person Term Based; Steven Sternberg ; 4 cr.

30892 005 DIS, 8:00- 8:50 T, Heller Hall 306, In Person Term Based; Steven Sternberg ; 4 cr.

3111 Fluid Mechanics

(A-F or Audit; Prereq: BSChE cand, CHE 2111 or 2211 prereq or coreq, Phys 2011 or 2013 and 2014, Math 3280, or instructor consent; credit will not be granted if already received for ME 3111 or CE 3221.)

29908 001 LEC, 13:00-13:50 MWF, Swenson Civil Engineering 265, In Person Term Based; Victor Lai ; 3 cr.

3112 Heat and Mass Transfer

(A-F or Audit; Prereq: BSChE candidate, 3111, (prereq or coreq 2121) or instructor consent)
30227 001 LEC, 8:00- 9:15 TTh, Engineering Building 290, In Person Term Based; Guy Sander ; 3 cr.

3196 Cooperative Education I

(A-F or Audit; Prereq: BSChE cand, department consent)
29914 001 FWK, 00:00-00:00 , Independent/Directed Study; Richard Davis ; 1 cr.

3211 Chemical Engineering Laboratory I

(A-F or Audit; Prereq: BSChE candidate, pre or co-req CHE 2011, 3031, 3112COMM & LAN)
30183 001 LAB, 12:00-17:00 T, Engineering Building 163, In Person Term Based; Meets With: 001 CHE 4211; Elizabeth Hill ; 3 cr.
30266 002 LAB, 12:00-17:00 Th, Engineering Building 163, In Person Term Based; Elizabeth Hill ; 3 cr.

3231 Properties of Engineering Materials

(A-F or Audit; Prereq: BSChE cand, 2121, Chem 1152 or 1162)
30592 001 LEC, 12:00-12:50 MWF, Swenson Civil Engineering 265, In Person Term Based; Victor Lai ; 3 cr.

3241 Principles of Particle Technology

(A-F or Audit; Prereq: BSChE candidate, (prereq or coreq 3111), Phys 2012 or 2015 and 2016, instructor consent)
30179 002 LAB, 10:00-11:50 T, Engineering Building 114, In Person Term Based; Meets With: 002 CHE 5621; Keith Lodge ; 3 cr.
30186 004 LAB, 16:00-17:50 Th, Engineering Building 114, In Person Term Based; Keith Lodge ; 3 cr.
30684 001 LEC, 15:00-15:50 MW, Engineering Building 280, In Person Term Based; Meets With: 001 CHE 5621; Keith Lodge ; 3 cr.
30220 005 LAB, 16:00-17:50 T, Engineering Building 114, In Person Term Based; Keith Lodge ; 3 cr.

3894 Chemical Engineering Research

(Student Option; Prereq: BSChE candidate, maximum 6 credits, instructor consent)
30870 007 IND, Independent/Directed Study; Victor Lai ; 1-3 cr.

4111 Separations

(A-F or Audit; Prereq: BSChE Candidate, 3031, pre or co-req 3112; no grad credit)
29910 001 LEC, 9:00- 9:50 W, Engineering Building 204, 9:00- 9:50 F, Humanities Building 403, In Person Term Based; Richard Davis ; 3 cr.
30256 002 LAB, 9:00- 9:50 M, Engineering Building 204, In Person Term Based; Richard Davis ; 3 cr.

4211 Chemical Engineering Laboratory II

(A-F or Audit; Prereq: BSChE candidate, 3211, pre or co req 4111 and 4301; no grad credit)
30676 001 LAB, 12:00-17:00 T, Engineering Building 163, In Person Term Based; Meets With: 001 CHE 3211; Elizabeth Hill ; 3 cr.

4301 Chemical Reaction Engineering

(A-F or Audit; Prereq: 3112; no grad credit)
29909 001 LEC, 11:00-11:50 MWF, Chemistry Building 150, In Person Term Based; Meets With: 001 CHE 5301; Zhihua Xu ; 3 cr.

4501 Chemical Engineering Design I

(A-F or Audit; Prereq: BSChE candidate, prerequisite or corequisite 3031, 3111, 3112; no grad credit/SUSTAIN)
29921 001 LEC, 15:00-15:50 MWF, Engineering Building 177, In Person Term Based; Michael Rother ; 4 cr.
30685 002 LAB, 16:00-16:50 W, Ed Endazhi-gikinoov'amaading 36, In Person Term Based; Michael Rother ; 4 cr.

4502 Chemical Engineering Design II

(A-F or Audit; Prereq: BSChE candidate, prereq or coreq 4501; no grad credit)
37402 002 LEC, 14:00-15:50 W, James I Swenson Sci Bldg 115, 16:00-17:50 M, Cina Hall 102, In Person Term Based; Otavio Fortini ; 4 cr.

4601 Biochemical Engineering I

(A-F or Audit; Prereq: 2111 or 2211, minimum 60 credits or instructor consent; credit will not be granted if already received for 5601)
30763 001 LEC, 9:30-10:45 TTh, Engineering Building 290, In Person Term Based; Meets With: 001 CHE 5601; Guy Sander ; 3 cr.

4711 Biomedical Engineering

(A-F or Audit;)

30751 001 LEC, 8:00- 8:50 MWF, Cina Hall 106, In Person Term Based; Meets With: 001 CHE 5711; Victor Lai ; 3 cr.

5021 Transport Phenomena

(A-F or Audit; Prereq: 3112 or Grad student or instructor consent)
33362 001 LEC, 13:00-13:50 MWF, Room TBA, In Person Term Based; Michael Rother ; 3 cr.

5031 Chemical Engineering Analysis

(A-F or Audit; Prereq: 4111 or Grad student or instructor consent)
30762 001 LAB, 9:00- 9:50 MWF, Chester Park 122, In Person Term Based; Otavio Fortini ; 3 cr.

5193 Process Optimization: Lean Six Sigma

(A-F or Audit; Prereq: Instructor consent required)
30626 001 LEC, 18:00-20:40 T, Engineering Building 118, In Person Term Based; Meets With: 001 EMGT 5160; Moe Benda ; 3 cr.

5301 Advanced Chemical Reactor Design

(A-F or Audit; Prereq: 4301 or instructor consent)
30675 001 LEC, 11:00-11:50 MWF, Chemistry Building 150, In Person Term Based; Meets With: 001 CHE 4301; Zhihua Xu ; 3 cr.

5555 Project Credits: MEng - Chemical Engineering

(A-F or Audit; Prereq: MEng candidate, instructor consent)
30847 001 FWK, In Person Term Based; 3-6 cr.

5601 Biochemical Engineering I

(A-F or Audit; Prereq: 2111 or 2211, grad student and instructor consent; credit will not be granted if already received for 4601)
30764 001 LEC, 9:30-10:45 TTh, Engineering Building 290, In Person Term Based; Meets With: 001 CHE 4601; Guy Sander ; 3 cr.

5621 Particle Technology

(A-F or Audit; Prereq: 3111 and Grad Student; credit will not be granted if already received for 4621)
30366 001 LEC, 15:00-15:50 MW, Engineering Building 280, In Person Term Based; Meets With: 001 CHE 3241; Keith Lodge ; 3 cr.
30367 002 LAB, 10:00-11:50 T, Engineering Building 114, In Person Term Based; Meets With: 002 CHE 3241; Keith Lodge ; 3 cr.

5711 Biomedical Engineering

(A-F or Audit; Prereq: 3111, 3112 or grad student or instructor consent; credit will not be granted if already received for CHE 4711.)
30624 001 LEC, 8:00- 8:50 MWF, Cina Hall 106, In Person Term Based; Meets With: 001 CHE 4711; Victor Lai ; 3 cr.

8150 Seminar

(S-N or Audit; Prereq: graduate ChE major or instructor consent)
30855 001 DIS, In Person Term Based; Richard Davis ; 1 cr.
30856 002 DIS, In Person Term Based; Keith Lodge ; 1 cr.
30857 003 DIS, In Person Term Based; Guy Sander ; 1 cr.
30858 004 DIS, In Person Term Based; Michael Rother ; 1 cr.
30859 005 DIS, In Person Term Based; Steven Sternberg ; 1 cr.
30860 006 DIS, In Person Term Based; Zhihua Xu ; 1 cr.

8775 Thesis Credits: Master's

(No Grade Associated; Prereq: graduate student)
30850 003 IND, In Person Term Based; Guy Sander ; 1-10 cr.
30851 004 IND, In Person Term Based; Michael Rother ; 1-10 cr.
30853 006 IND, In Person Term Based; Zhihua Xu ; 1-10 cr.
30854 007 IND, In Person Term Based; Otavio Fortini ; 1-10 cr.
37284 008 IND, In Person Term Based; Elizabeth Hill ; 1-10 cr.

Chemistry (CHEM)

1103 Aspects of Chemistry

(A-F or Audit; Prereq: Credit will not be granted if already received for 1102, 1113, 1151, 1153, 1161 or 1173.NAT SCI,SUSTAIN)
30834 001 LEC, Completely Online; Paul Siders ; 3 cr.

1113 Introduction to General, Organic, and Biological Chemistry I

(A-F or Audit; Prereq: ACT of 21 or higher or MATH 1005; for students terminating study of chem with no

more than 10 cr; credit will not be granted if already received for 1151, 1153/1154, 1161, 1173/74 or 2172NAT SCI)

29992 001 LEC, 8:00- 8:50 MTWF, Bohannon Hall 90, In Person Term Based; Romesh Lakhani ; 5 cr.
29994 003 LAB, 9:00-10:50 T, Chemistry Building 316, In Person Term Based; Romesh Lakhani ; 5 cr.
29995 004 LAB, 14:00-15:50 T, Chemistry Building 316, In Person Term Based; Romesh Lakhani ; 5 cr.
30126 005 LAB, 14:00-15:50 W, Chemistry Building 316, In Person Term Based; Romesh Lakhani ; 5 cr.
30379 006 LAB, 9:00-10:50 Th, Chemistry Building 316, In Person Term Based; Romesh Lakhani ; 5 cr.
30452 007 LAB, 14:00-15:50 Th, Chemistry Building 316, In Person Term Based; Romesh Lakhani ; 5 cr.

1153 General Chemistry I

(A-F or Audit; Prereq: One year high school chem, Math ACT 24 or higher or a grade of least C- in Math 1005, Credit will not be granted if already received for 1151 or 1161 or 1173.NAT SCI)

30394 001 LEC, 8:00- 8:50 MTWF, Chemistry Building 200, In Person Term Based; Alessandro Cembran ; 4 cr.
30395 003 DIS, 8:00- 8:50 Th, Bohannon Hall 108, In Person Term Based; Alessandro Cembran ; 4 cr.
30396 005 DIS, 9:00- 9:50 Th, Engineering Building 177, In Person Term Based; Alessandro Cembran ; 4 cr.
30397 007 DIS, 10:00-10:50 Th, Bohannon Hall 112, In Person Term Based; Alessandro Cembran ; 4 cr.
30398 009 DIS, 11:00-11:50 Th, Kirby Plaza 312, In Person Term Based; Alessandro Cembran ; 4 cr.
30399 021 LEC, 8:00- 8:50 MWThF, Montague Hall 80, In Person Term Based; Eve Metto ; 4 cr.
30400 023 DIS, 8:00- 8:50 T, Bohannon Hall 108, In Person Term Based; Eve Metto ; 4 cr.
30401 025 DIS, 9:00- 9:50 T, Heller Hall 216, In Person Term Based; Eve Metto ; 4 cr.
30402 027 DIS, 10:00-10:50 T, Ed Endazhi-gikinoov'amaading 40, In Person Term Based; Eve Metto ; 4 cr.
30403 029 DIS, 11:00-11:50 T, Kirby Plaza 312, In Person Term Based; Eve Metto ; 4 cr.
30405 043 DIS, 8:00- 8:50 Th, Bohannon Hall 104, In Person Term Based; Kate Kallevig ; 4 cr.
30406 045 DIS, 9:00- 9:50 Th, Heller Hall 306, In Person Term Based; Kate Kallevig ; 4 cr.
30407 041 LEC, 12:00-12:50 MTWF, M W Alworth Hall 195, In Person Term Based; Kate Kallevig ; 4 cr.
30408 047 DIS, 10:00-10:50 Th, Ed Endazhi-gikinoov'amaading 36, In Person Term Based; Kate Kallevig ; 4 cr.
30409 049 DIS, 11:00-11:50 Th, Bohannon Hall 112, In Person Term Based; Kate Kallevig ; 4 cr.
30703 103 DIS, 8:00- 8:50 T, Cina Hall 214, In Person Term Based; Eve Metto ; 4 cr.
31947 061 LEC, 12:00-12:50 MWThF, Chemistry Building 200, In Person Term Based; Romesh Lakhani ; 4 cr.
31948 063 DIS, 8:00- 8:50 T, Bohannon Hall 104, In Person Term Based; Romesh Lakhani ; 4 cr.
31949 065 DIS, 9:00- 9:50 T, Heller Hall 306, In Person Term Based; Romesh Lakhani ; 4 cr.
31950 067 DIS, 10:00-10:50 T, Ed Endazhi-gikinoov'amaading 50, In Person Term Based; Romesh Lakhani ; 4 cr.
31951 069 DIS, 11:00-11:50 T, Bohannon Hall 112, In Person Term Based; Romesh Lakhani ; 4 cr.
31952 081 LEC, 13:00-13:50 MTWF, Solon Campus Center 120, In Person Term Based; Kate Kallevig ; 4 cr.
31953 083 DIS, 8:00- 8:50 Th, Cina Hall 214, In Person Term Based; Kate Kallevig ; 4 cr.
31954 085 DIS, 9:00- 9:50 Th, Heller Hall 216, In Person Term Based; Kate Kallevig ; 4 cr.
31955 087 DIS, 10:00-10:50 Th, James I Swenson Sci Bldg 115, In Person Term Based; Kate Kallevig ; 1 cr.
31956 089 DIS, 11:00-11:50 Th, James I Swenson Sci Bldg 216, In Person Term Based; Kate Kallevig ; 4 cr.
31957 101 LEC, 13:00-13:50 MWThF, Chemistry Building 200, In Person Term Based; Eve Metto ; 4 cr.
31958 105 DIS, 9:00- 9:50 T, Voss-Kovach Hall 221, In Person Term Based; Eve Metto ; 4 cr.
31959 107 DIS, 10:00-10:50 T, Ed Endazhi-gikinoov'amaading 20, In Person Term Based; Eve Metto ; 4 cr.
31960 109 DIS, 11:00-11:50 T, James I Swenson Sci Bldg 216, In Person Term Based; Eve Metto ; 4 cr.

1154 General Chemistry Lab I

(A-F or Audit; Prereq: Previous or concurrent enrollment in CHEM 1153 or 1173; credit will not be granted if already received for CHEM 1151, 1161 or 1174.NAT SCI)

30413 002 LAB, 9:00-11:50 M, James I Swenson Sci Bldg 129, In Person Term Based; Paul Kiprof ; 1 cr.
30414 004 LAB, 9:00-11:50 M, James I Swenson Sci Bldg 131, In Person Term Based; Paul Kiprof ; 1 cr.
30415 006 LAB, 9:00-11:50 M, James I Swenson Sci Bldg 133, In Person Term Based; Paul Kiprof ; 1 cr.
30416 008 LAB, 14:00-16:50 M, James I Swenson Sci Bldg 129, In Person Term Based; Paul Kiprof ; 1 cr.

30417 010 LAB, 14:00-16:50 M, James I Swenson Sci Bldg 131, In Person Term Based; Paul Kiprof ; 1 cr.
 30418 012 LAB, 14:00-16:50 M, James I Swenson Sci Bldg 133, In Person Term Based; Paul Kiprof ; 1 cr.
 30419 014 LAB, 8:00-10:50 T, James I Swenson Sci Bldg 129, In Person Term Based; Paul Kiprof ; 1 cr.
 30420 016 LAB, 8:00-10:50 T, James I Swenson Sci Bldg 131, In Person Term Based; Paul Kiprof ; 1 cr.
 30421 018 LAB, 9:00-11:50 T, James I Swenson Sci Bldg 133, In Person Term Based; Paul Kiprof ; 1 cr.
 30422 020 LAB, 9:00-11:50 T, James I Swenson Sci Bldg 145, In Person Term Based; Paul Kiprof ; 1 cr.
 30423 022 LAB, 11:00-13:50 T, James I Swenson Sci Bldg 129, In Person Term Based; Paul Kiprof ; 1 cr.
 30424 024 LAB, 11:00-13:50 T, James I Swenson Sci Bldg 131, In Person Term Based; Paul Kiprof ; 1 cr.
 30425 026 LAB, 14:00-16:50 T, James I Swenson Sci Bldg 129, In Person Term Based; Paul Kiprof ; 1 cr.
 30426 028 LAB, 14:00-16:50 T, James I Swenson Sci Bldg 131, In Person Term Based; Paul Kiprof ; 1 cr.
 30427 030 LAB, 14:00-16:50 T, James I Swenson Sci Bldg 133, In Person Term Based; Paul Kiprof ; 1 cr.
 30428 032 LAB, 9:00-11:50 W, James I Swenson Sci Bldg 129, In Person Term Based; Paul Kiprof ; 1 cr.
 30429 034 LAB, 9:00-11:50 W, James I Swenson Sci Bldg 131, In Person Term Based; Paul Kiprof ; 1 cr.
 30430 036 LAB, 9:00-11:50 W, James I Swenson Sci Bldg 133, In Person Term Based; Paul Kiprof ; 1 cr.
 30431 038 LAB, 14:00-16:50 W, James I Swenson Sci Bldg 129, In Person Term Based; Paul Kiprof ; 1 cr.
 30432 040 LAB, 14:00-16:50 W, James I Swenson Sci Bldg 131, In Person Term Based; Paul Kiprof ; 1 cr.
 30433 042 LAB, 14:00-16:50 W, James I Swenson Sci Bldg 133, In Person Term Based; Paul Kiprof ; 1 cr.
 30434 044 LAB, 14:00-16:50 W, James I Swenson Sci Bldg 145, In Person Term Based; Paul Kiprof ; 1 cr.
 30435 046 LAB, 8:00-10:50 Th, James I Swenson Sci Bldg 129, In Person Term Based; Paul Kiprof ; 1 cr.
 30436 048 LAB, 8:00-10:50 Th, James I Swenson Sci Bldg 131, In Person Term Based; Paul Kiprof ; 1 cr.
 30437 050 LAB, 8:00-10:50 Th, James I Swenson Sci Bldg 133, In Person Term Based; Paul Kiprof ; 1 cr.
 30438 052 LAB, 11:00-13:50 Th, James I Swenson Sci Bldg 129, In Person Term Based; Paul Kiprof ; 1 cr.
 30439 054 LAB, 11:00-13:50 Th, James I Swenson Sci Bldg 131, In Person Term Based; Paul Kiprof ; 1 cr.
 30440 056 LAB, 11:00-13:50 Th, James I Swenson Sci Bldg 133, In Person Term Based; Paul Kiprof ; 1 cr.
 30441 058 LAB, 11:00-13:50 Th, James I Swenson Sci Bldg 145, In Person Term Based; Paul Kiprof ; 1 cr.
 30442 060 LAB, 14:00-16:50 Th, James I Swenson Sci Bldg 129, In Person Term Based; Paul Kiprof ; 1 cr.
 31962 062 LAB, 14:00-16:50 Th, James I Swenson Sci Bldg 131, In Person Term Based; Paul Kiprof ; 1 cr.
 31963 064 LAB, 14:00-16:50 Th, James I Swenson Sci Bldg 133, In Person Term Based; Paul Kiprof ; 1 cr.

1155 General Chemistry II

(A-F or Audit; Prereq: 1151 or 1153 or 1161 or 1173; credit will not be granted if already received for 1152, 1162 or 1175.)
 30862 001 LEC, 9:30-10:45 TTh, Life Sciences Bldg 175, In Person Term Based; Jacob Wainman ; 4 cr.
 30863 021 LEC, 14:00-15:15 TTh, Life Sciences Bldg 175, In Person Term Based; Brian Gute ; 4 cr.

1156 General Chemistry Lab II

(A-F or Audit; Prereq: 1151 or 1161 or 1154 or 1174, concurrent or previous enrollment in CHEM 1155; credit will not be granted if already received for Chem 1152, 1162 or 1176.)
 30443 002 LAB, 9:00-11:50 M, James I Swenson Sci Bldg 143, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30444 004 LAB, 14:00-16:50 M, James I Swenson Sci Bldg 143, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30445 006 LAB, 8:00-10:50 T, James I Swenson Sci Bldg 143, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30446 008 LAB, 11:00-13:50 T, James I Swenson Sci Bldg 143, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30447 010 LAB, 14:00-16:50 T, James I Swenson Sci Bldg 143, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30448 012 LAB, 9:00-11:50 W, James I Swenson Sci Bldg 143, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30449 014 LAB, 14:00-16:50 W, James I Swenson Sci Bldg 143, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30450 016 LAB, 9:00-11:50 Th, James I Swenson Sci Bldg 143, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30451 018 LAB, 14:00-16:50 Th, James I Swenson Sci Bldg 143, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30500 020 LAB, 9:00-11:50 F, James I Swenson Sci Bldg 143, In Person Term Based; Sangeeta Mereddy ; 1 cr.

1173 General Chemistry I for Majors

(A-F or Audit; Prereq: One year high school chemistry, Math ACT 24 or higher or a grade of at least a C- in Math 1005, BS-Chemistry major or BS-Biochemistry

major or BA-Chemistry major or BA-Biochemistry major or instructor consent. Credit will not be granted if already received for Chem 1151 or 1153 or 1161.NAT SCI)

30649 001 LEC, 13:00-13:50 MTWThF, Montague Hall 70, In Person Term Based; Ahmed Heikal ; 4 cr.

1174 General Chemistry I Lab for Majors

(A-F or Audit; Prereq: Previous or concurrent enrollment in CHEM 1173 or 1153NAT SCI)
 30650 002 LAB, 9:00-11:50 M, James I Swenson Sci Bldg 145, In Person Term Based; Jacob Wainman ; 1 cr.
 30651 004 LAB, 14:00-16:50 M, James I Swenson Sci Bldg 145, In Person Term Based; Jacob Wainman ; 1 cr.
 30652 006 LAB, 14:00-16:50 T, James I Swenson Sci Bldg 145, In Person Term Based; Jacob Wainman ; 1 cr.
 30653 008 LAB, 9:00-11:50 W, James I Swenson Sci Bldg 145, In Person Term Based; Jacob Wainman ; 1 cr.
 30654 010 LAB, 8:00-10:50 Th, James I Swenson Sci Bldg 145, In Person Term Based; Jacob Wainman ; 1 cr.
 30655 012 LAB, 14:00-16:50 Th, James I Swenson Sci Bldg 145, In Person Term Based; Jacob Wainman ; 1 cr.

1191 Independent Study

(A-F or Audit; Prereq: department consent)
 30062 001 IND, 00:00-00:00 , , In Person Term Based; 1-2 cr.

2212 Environmental Chemistry

(A-F or Audit; Prereq: 1152 or 1162 or 1155 and 1156 or 1175 and 1176, Environmental Science major; credit will not be granted if already received for 2222 or 2223 or 2242NAT SCI,SUSTAIN)
 30218 001 LEC, 16:00-16:50 MWF, Chemistry Building 150, In Person Term Based; Elizabeth Austin-Minor, Melissa Maurer-Jones ; 4 cr.
 30219 002 LAB, 9:00-11:50 T, Chemistry Building 301, In Person Term Based; Melissa Maurer-Jones, Elizabeth Austin-Minor ; 4 cr.
 30220 003 LAB, 14:00-16:50 T, Chemistry Building 301, In Person Term Based; Melissa Maurer-Jones, Elizabeth Austin-Minor ; 4 cr.
 30263 004 LAB, 9:00-11:50 Th, Chemistry Building 301, In Person Term Based; Melissa Maurer-Jones, Elizabeth Austin-Minor ; 4 cr.
 30511 005 LAB, 14:00-16:50 Th, Chemistry Building 301, In Person Term Based; Melissa Maurer-Jones, Elizabeth Austin-Minor ; 4 cr.

2222 Quantitative Analysis

(A-F or Audit; Prereq: 1152 or 1162 or 1155 and 1156 or 1175 and 1176, concurrent registration in 2223 is strongly recommended; credit will not be granted if already received for 2212 or 2242)
 30059 001 LEC, 12:00-12:50 MWF, Life Sciences Bldg 175, In Person Term Based; Melissa Maurer-Jones ; 3 cr.

2223 Quantitative Analysis Laboratory

(A-F or Audit; Prereq: 1152 or 1162 or 1155 and 1156 or 1175 and 1176; concurrent registration in 2222 is required; credit will not be granted if already received for 2212 or 2242)
 30127 001 LAB, 14:00-16:50 M, Chemistry Building 232, In Person Term Based; John Evans ; 1 cr.
 30128 002 LAB, 9:00-11:50 T, Chemistry Building 232, In Person Term Based; John Evans ; 1 cr.
 30129 003 LAB, 14:00-16:50 T, Chemistry Building 232, In Person Term Based; John Evans ; 1 cr.
 30130 004 LAB, 14:00-16:50 W, Chemistry Building 232, In Person Term Based; John Evans ; 1 cr.
 30264 005 LAB, 9:00-11:50 Th, Chemistry Building 232, In Person Term Based; John Evans ; 1 cr.
 30265 006 LAB, 15:00-17:50 Th, Chemistry Building 232, In Person Term Based; John Evans ; 1 cr.

2541 Organic Chemistry I

(A-F or Audit; Prereq: 1152 or 1162 or 1155 and 1156 or 1175 and 1176; credit will not be granted if already received for 2521)
 30271 001 LEC, 10:00-10:50 MWF, Chemistry Building 200, In Person Term Based; Viktor Zhdankin ; 3 cr.

2542 Organic Chemistry II

(A-F or Audit; Prereq: 2521 or 2541; credit will not be granted if already received for 2522, 2532)
 30286 001 LEC, 11:00-11:50 MWF, Bohannon Hall 90, In Person Term Based; Sangeeta Mereddy ; 3 cr.

2543 Organic Chemistry I Laboratory

(A-F or Audit; Prereq: 1152 or 1162 or 1155 and 1156 or 1175 and 1176, must be taken after or concurrently with CHEM 2541; credit will not be granted if already received for 2521, CHE 3231, ENGR 2110)
 30272 001 LAB, 15:00-16:50 M, James I Swenson Sci Bldg 226, In Person Term Based; Sangeeta Mereddy ; 1 cr.

30273 002 LAB, 15:00-16:50 M, James I Swenson Sci Bldg 228, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30275 004 LAB, 9:00-10:50 T, James I Swenson Sci Bldg 226, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30276 005 LAB, 9:00-10:50 T, James I Swenson Sci Bldg 228, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30278 007 LAB, 15:00-16:50 T, James I Swenson Sci Bldg 226, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30279 008 LAB, 15:00-16:50 T, James I Swenson Sci Bldg 228, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30280 009 LAB, 15:00-16:50 W, James I Swenson Sci Bldg 226, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30281 010 LAB, 15:00-16:50 W, James I Swenson Sci Bldg 228, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30282 011 LAB, 9:00-10:50 Th, James I Swenson Sci Bldg 226, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30283 012 LAB, 9:00-10:50 Th, James I Swenson Sci Bldg 228, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30284 013 LAB, 12:00-13:50 Th, James I Swenson Sci Bldg 226, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30285 014 LAB, 12:00-13:50 Th, James I Swenson Sci Bldg 228, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30517 016 LAB, 15:00-16:50 Th, James I Swenson Sci Bldg 226, In Person Term Based; Sangeeta Mereddy ; 1 cr.
 30518 017 LAB, 15:00-16:50 Th, James I Swenson Sci Bldg 228, In Person Term Based; Sangeeta Mereddy ; 1 cr.

2544 Organic Chemistry II Laboratory

(A-F or Audit; Prereq: 2521 or (2541 and 2543), must be taken after or concurrently with CHEM 2542; credit will not be granted if already received for 2522, 2532, 2545)
 30287 001 LAB, 9:00-10:50 T, James I Swenson Sci Bldg 232, In Person Term Based; Peter Grundt ; 1 cr.
 30289 003 LAB, 15:00-16:50 T, James I Swenson Sci Bldg 232, In Person Term Based; Peter Grundt ; 1 cr.
 30339 004 LAB, 15:00-16:50 W, James I Swenson Sci Bldg 232, In Person Term Based; Peter Grundt ; 1 cr.
 30521 005 LAB, 15:00-16:50 Th, James I Swenson Sci Bldg 232, In Person Term Based; Peter Grundt ; 1 cr.

3097 Internship in Chemistry

(S-N only; Prereq: 2521 or 2541 or 2223, chemistry or biochemistry/molecular biology majors and department consent)
 30374 001 FWK, 00:00-00:00 , , Independent/Directed Study; Elizabeth Austin-Minor ; 1-2 cr.

3194 Chemistry Undergraduate Research

(S-N or Audit; Prereq: department consent)
 30344 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-3 cr.

4184 Undergraduate Seminar I

(S-N or Audit; Prereq: BS Chem or BS Biochem Major)
 30201 001 LEC, 14:00-15:50 F, Chemistry Building 150, In Person Term Based; Erin Sheets ; 1 cr.

4351 Biochemistry I

(A-F or Audit; Prereq: 2222, 2541, 2542, Math 1296, concurrent registration in physical chem recommended - 4363)
 30226 001 LEC, 8:00- 8:50 MWF, Chemistry Building 150, In Person Term Based; Erin Sheets ; 3 cr.

4363 Biochemistry Laboratory

(A-F or Audit; Prereq: 2223, 2522 or 2532 or 2544 or 2545, BS-BMB major, concurrent registration in 4351 is required)
 30216 001 LAB, 8:00-11:50 T, James I Swenson Sci Bldg 244, In Person Term Based; Joseph Johnson ; 2 cr.
 30217 002 LAB, 8:00-11:50 T, James I Swenson Sci Bldg 246, In Person Term Based; Joseph Johnson ; 2 cr.
 30261 003 LAB, 13:00-16:50 T, James I Swenson Sci Bldg 244, In Person Term Based; Joseph Johnson ; 2 cr.
 30262 004 LAB, 13:00-16:50 T, James I Swenson Sci Bldg 246, In Person Term Based; Joseph Johnson ; 2 cr.
 30385 005 LAB, 13:00-16:50 W, James I Swenson Sci Bldg 244, In Person Term Based; Joseph Johnson ; 2 cr.
 30597 006 LAB, 13:00-16:50 W, James I Swenson Sci Bldg 246, In Person Term Based; Joseph Johnson ; 2 cr.

4373 Physical Biochemistry

(A-F or Audit; Prereq: (4632 or 4634 or 4641) and (4351 or 3322))
 30299 001 LEC, 13:00-13:50 MWF, M W Alworth Hall 191, In Person Term Based; Anne Hinderliter ; 3 cr.

4435 Inorganic Chemistry Laboratory

(A-F or Audit; Prereq: 3432, must be taken after or concurrently with CHEM 4436)
 30131 001 LAB, 14:00-16:50 T, Chemistry Building 347, In Person Term Based; Steven Berry ; 1 cr.
 30163 002 LAB, 9:00-11:50 Th, Chemistry Building 347, In Person Term Based; Steven Berry ; 1 cr.

4436 Inorganic Chemistry

(A-F or Audit; Prereq: Chem 2222 or 2242 and 2542)
30311 001 LEC, 12:00-12:50 MWF, A B Anderson Hall 245,
In Person Term Based; Steven Berry ; 3 cr.

4633 Physical Chemistry Laboratory

(A-F or Audit; Prereq: 2yrs of college-level chemistry,
(2222 or 2212 or 2242), Math 1297, Phys 2012 or (2015
and 2016) or Phys 1001, BS-BMB major or BA-Chem
major, 4634 may be taken concurrent)
30132 001 LAB, 14:00-16:50 M, Chemistry Building 342, In
Person Term Based; Anne Hinderliter ; 1 cr.
30133 002 LAB, 14:00-16:50 T, Chemistry Building 342, In
Person Term Based; Anne Hinderliter ; 1 cr.
30161 003 LAB, 14:00-16:50 Th, Chemistry Building 342, In
Person Term Based; Anne Hinderliter ; 1 cr.

4634 Physical Chemistry

(A-F or Audit; Prereq: (Phys 2012 or (Phys 2015
and 2016) or Phys 1002), 2 yrs of college-level
chemistry, Math 1297, (Chem 2222 or 2212 or 2242),
BS-Biochemistry major or BA-Chem major)
30298 001 LEC, 11:00-11:50 MWF, Chemistry Building 251,
In Person Term Based; Anne Hinderliter ; 3 cr.

4641 Physical Chemistry I

(A-F or Audit; Prereq: 2 yrs chem, (2222 or 2212 or
2242), Math 3280, Phys 2012 or 2015 and 2016)
30060 001 LEC, 10:00-10:50 MWF, Solon Campus Center
120, In Person Term Based; Paul Siders ; 3 cr.

4643 Physical Chemistry Laboratory I

(A-F or Audit; Prereq: 2 yrs chem, (2222 or 2212 or
2242), Math 3280, Phys 2012 or 2015 and 2016, 4641
may be taken concurrent)
30162 003 LAB, 14:00-16:50 W, Chemistry Building 342, In
Person Term Based; Alessandro Cembran ; 1 cr.
30715 004 LAB, 9:00-11:50 Th, Chemistry Building 342, In
Person Term Based; Alessandro Cembran ; 1 cr.

5424 Advanced Inorganic Chemistry I

(A-F or Audit; Prereq: 4436 or equivalent or Grad
student)
30208 001 LEC, 8:00- 8:50 MWF, Cina Hall 214, In Person
Term Based; Paul Kiprof ; 3 cr.

5524 Advanced Organic Chemistry I

(A-F or Audit; Prereq: 2542 or equivalent or Grad
student)
30209 001 LEC, 12:00-13:15 TTh, Bohannon Hall 343, In
Person Term Based; Viktor Zhdankin, Peter Grundt ; 3 cr.

5624 Advanced Physical Chemistry I

(A-F or Audit; Prereq: 4642 or equivalent or Grad
student)
31973 001 LEC, 8:00- 8:50 MWF, Humanities Building 484,
In Person Term Based; Paul Siders ; 3 cr.

5714 Applications of Spectroscopy

(A-F or Audit; Prereq: 4436 or equivalent or Grad
student)
30210 001 LEC, 12:00-13:50 MW, Darland Admin Bldg 16A,
In Person Term Based; Peter Grundt ; 4 cr.

5725 Advanced Analytical Chemistry I

(A-F only; Prereq: Grad student or 4242 or equivalent)
30230 001 LEC, 17:30-19:00 MW, Heller Hall 306, In Person
Term Based; John Evans ; 3 cr.

5994 Directed Research in Chemistry

(Student Option; Prereq: Min 90 cr or grad in the
sciences or engineering or instructor consent)
30182 001 IND, 00:00-00:00 , Independent/Directed Study;
1-3 cr.

8184 Seminar

(S-N or Audit; Prereq: Grad chem major or instructor
consent)
30063 001 LEC, 15:00-16:50 F, Life Sciences Bldg 175, In
Person Term Based; Melissa Maurer-Jones ; 1 cr.

8333 FTE: Master's

(No Grade Associated; Prereq: Master's student,
adviser and DGS consent)
30092 001 IND, 00:00-00:00 , Independent/Directed Study;
1 cr.

8777 Thesis Credits: Master's

(No Grade Associated; Prereq: Max 18 cr per semester
or summer; 10 cr total required (Plan A only))
30094 001 IND, 00:00-00:00 , Independent/Directed Study;
1-18 cr.

Chinese (CHIN)**1101 Beginning Chinese I: A Practical Introduction to Everyday Mandarin Chinese**

(A-F or Audit; Prereq: Little or no prior formal study of
this language or instructor consent/COMM & LAN)
29706 001 LEC, 11:00-11:50 MTThF, Humanities Building
464, In Person Term Based; Weiqing Zhang ; 4 cr.

1201 Intermediate Chinese I: Mandarin Chinese

(A-F or Audit; COMM & LAN)
35756 001 LEC, 9:00- 9:50 MTThF, Ed Endazhi-
gikino'amaading 20, In Person Term Based; Weiqing
Zhang ; 4 cr.

3591 Independent Study

(A-F only; Prereq: instructor consent)
29812 001 IND, Independent/Directed Study; Weiqing
Zhang ; 1-4 cr.

Civil Engineering (CE)**1025 Introduction to Civil Engineering**

(A-F or Audit; Prereq: Civil Engineering students only)
30297 001 LEC, 11:00-11:50 M, Swenson Civil Engineering
265, In Person Term Based; Adrian Hanson ; 1 cr.

2017 Engineering Mechanics: Statics and Mechanics of Materials

(A-F or Audit; Prereq: MATH 1297, PHYS 2011 or 2013
or 2017 and 2014; credit will not be granted if already
received for ENGR 2015 and ENGR 2016 combined.)
30353 001 LEC, 8:00- 8:50 MTWThF, Engineering Building
280, In Person Term Based; Hossain Khorroosi ; 5 cr.
30354 002 LEC, 11:00-11:50 MTWThF, Engineering Building
280, In Person Term Based; Darrin Johnson ; 5 cr.
30694 004 LEC, 12:00-12:50 MTWThF, Engineering Building
280, In Person Term Based; Brian Kohn ; 5 cr.

2020 Computational Tools for Civil Engineers

(A-F or Audit;)
33175 001 LEC, 10:00-10:50 MWF, Engineering Building
118, In Person Term Based; Carlos Carranza-Torres ; 4 cr.
33176 002 LAB, 8:00- 9:50 W, Swenson Civil Engineering
224, In Person Term Based; Carlos Carranza-Torres ; 4 cr.
33177 003 LAB, 13:00-14:50 W, Swenson Civil Engineering
224, In Person Term Based; Carlos Carranza-Torres ; 4 cr.

3015 CAD & Engineering Drawing

(A-F or Audit; Prereq: 2017)
30356 001 LAB, 17:00-19:30 T, Swenson Civil Engineering
224, In Person Term Based; Casey Goldberg ; 3 cr.

3016 Surveying

(A-F or Audit; Prereq: Math 1297)
30538 001 LAB, 16:30-18:45 MTh, Swenson Civil
Engineering 265, In Person Term Based; Paul Voge ; 2 cr.

3025 Environmental Engineering

(A-F only; Prereq: Chem 1151 or 1153 and 1154, CE
3221, BSCE candidate/SUSTAIN)
30390 001 LEC, 9:00- 9:50 MWF, Swenson Civil Engineering
231, In Person Term Based; Adrian Hanson ; 4 cr.
30600 002 LAB, 12:00-13:50 W, Voss-Kovach Hall 131, In
Person Term Based; Adrian Hanson ; 4 cr.
30601 003 LAB, 14:00-15:50 W, Voss-Kovach Hall 131, In
Person Term Based; Adrian Hanson ; 4 cr.

3026 Project Management

(A-F or Audit;)
30305 001 LEC, 16:00-18:30 W, Swenson Civil Engineering
231, In Person Term Based; John Rashid ; 3 cr.

3027 Infrastructure Materials

(A-F or Audit; Prereq: 2017, BSCE candidate)
30355 001 LEC, 11:00-12:15 TTh, Swenson Civil
Engineering 231, In Person Term Based; Manik Barman ;
4 cr.
30364 002 LAB, 14:30-16:20 Th, Swenson Civil Engineering
161, In Person Term Based; Manik Barman ; 4 cr.
30365 003 LAB, 13:00-14:50 F, Swenson Civil Engineering
161, In Person Term Based; Manik Barman ; 4 cr.

3115 Structural Analysis

(A-F or Audit; Prereq: 2017, Math 3280 (concurrent),
BSCE candidate)

30304 001 LEC, 10:00-10:50 MWF, Swenson Civil
Engineering 231, In Person Term Based; Mary
Christiansen ; 3 cr.

3221 Fluid Mechanics

(A-F or Audit; Prereq: 2017, Math 3280 (concurrent))
30369 001 LEC, 14:30-15:45 TTh, Swenson Civil
Engineering 231, In Person Term Based; Brian Kohn ; 3 cr.

3225 Hydraulics and Hydrology

(A-F or Audit; Prereq: 3221, Math 3280 (concurrent),
BSCE candidate)
30357 001 LEC, 11:00-11:50 WF, Swenson Civil Engineering
265, In Person Term Based; Gustavo Merten ; 3 cr.
30358 002 LAB, 11:00-12:50 M, Swenson Civil Engineering
161, In Person Term Based; Gustavo Merten ; 3 cr.
30391 003 LAB, 14:00-15:50 M, Swenson Civil Engineering
161, In Person Term Based; Gustavo Merten ; 3 cr.

3316 Transportation Engineering

(A-F or Audit; Prereq: BSCE candidate)
30313 001 LEC, 8:00- 8:50 W, Engineering Building 290,
8:00- 9:15 TTh, Swenson Civil Engineering 265, In Person
Term Based; Eil Kwon ; 4 cr.

3426 Soil Mechanics

(A-F or Audit; Prereq: 2017, 3425 or 2425 or 2435,
BSCE candidate)
30540 001 LEC, 9:30-10:45 TTh, Swenson Civil Engineering
231, In Person Term Based; David Sattner ; 4 cr.
30548 002 LAB, 12:30-14:20 T, Swenson Civil Engineering
161, In Person Term Based; David Sattner, Ryan Dagger ;
4 cr.
30549 003 LAB, 12:30-14:20 Th, Swenson Civil Engineering
161, In Person Term Based; David Sattner, Ryan Dagger ;
4 cr.

4096 Cooperative Education I

(A-F or Audit; Prereq: CE candidate, instructor
consent; no grad credit)
30900 001 IND, Independent/Directed Study; Carlos
Carranza-Torres ; 1 cr.

4115 Design of Steel Structures

(A-F or Audit; Prereq: 3115, BSCE candidate, no grad
credit)
30471 001 LEC, 9:30-10:45 TTh, Swenson Civil Engineering
265, In Person Term Based; Sara Ojard ; 3 cr.

4126 Design of Concrete Structures

(A-F or Audit; Prereq: 3115, BSCE Candidate, no Grad
cr)
30392 001 LEC, 14:00-14:50 MWF, Swenson Civil
Engineering 265, In Person Term Based; Ben Dymond ; 3
cr.

4128 Prestressed Concrete Structures

(A-F or Audit; Prereq: 4126)
30820 001 LEC, 9:00- 9:50 MWF, Swenson Civil Engineering
265, In Person Term Based; Meets With: 001 CE 5128;
Andrea Schokker ; 3 cr.

4136 Structural Systems

(A-F or Audit;)
33171 001 LEC, 10:00-10:50 MWF, Swenson Civil
Engineering 265, In Person Term Based; Ben Dymond ; 3
cr.

4215 Hydraulic Design

(A-F only; Prereq: 3225, no Grad credit)
30539 001 LEC, 10:00-10:50 MWF, Swenson Civil
Engineering 161, In Person Term Based; Adrian Hanson ;
3 cr.

4255 Senior Design

(A-F only; Prereq: instructor consent, no Grad cr)
30504 001 LAB, 12:00-13:50 MW, Swenson Civil
Engineering 231, In Person Term Based; Mary
Christiansen, Andrea Schokker ; 4 cr.

4257 Municipal Solid Waste Management and Hazardous Waste Systems

(A-F or Audit; Prereq: 3025 or instructor consent)
30646 001 LEC, 8:00- 8:50 MWF, Swenson Civil Engineering
231, In Person Term Based; Adrian Hanson ; 3 cr.

4316 Pavement Analysis and Design

(A-F or Audit; Prereq: 2017, 3027 and 3316; no grad
credit)
30752 001 LEC, 12:30-13:45 TTh, Swenson Civil
Engineering 231, In Person Term Based; Meets With: 001
CE 5316; Manik Barman ; 3 cr.

4326 Highway Planning and Design

(A-F or Audit; Prereq: 3316; no grad credit)

30754 001 LEC, 15:00-17:30 W, Swenson Civil Engineering 265, In Person Term Based; Eil Kwon ; 3 cr.

4415 Geotechnical Design

(A-F or Audit; Prereq: 3426, no grad credit)
30393 001 LEC, 8:00- 9:15 TTh, Swenson Civil Engineering 231, In Person Term Based; Martin Halvorson ; 3 cr.

4426 Rock Mechanics

(A-F or Audit; Prereq: 3426, no grad credit)
30882 001 LEC, 15:00-15:50 W, Swenson Civil Engineering 231, 15:00-16:50 M, Swenson Civil Engineering 231, In Person Term Based; Meets With: 001 CE 5426; Carlos Carranza-Torres ; 3 cr.
30883 002 LAB, 16:00-16:50 W, Swenson Civil Engineering 224, In Person Term Based; Meets With: 002 CE 5426; Carlos Carranza-Torres ; 3 cr.

4596 Cooperative Education II

(A-F or Audit; Prereq: CE candidate, instructor consent; no grad credit)

30516 001 IND, Independent/Directed Study; Carlos Carranza-Torres ; 2 cr.

4991 Independent Study in Civil Engineering

(A-F or Audit; Prereq: CE upper division status, instructor consent; no graduate credit)
37355 003 IND, In Person Term Based; David Saffner ; 1-4 cr.

5128 Prestressed Concrete Structures

(A-F or Audit; Prereq: CE 4126 or grad student)
30821 001 LEC, 9:00- 9:50 MWF, Swenson Civil Engineering 265, In Person Term Based; Meets With: 001 CE 4128; Andrea Schokker ; 3 cr.

5131 Design of Wood, Masonry and Cold-formed Steel Structures

(A-F or Audit; Prereq: 3115, 4126 or grad student)
33145 001 LEC, 11:00-12:15 TTh, Swenson Civil Engineering 265, In Person Term Based; Sara Ojard ; 3 cr.

5203 Stream Crossing and Culvert Design

(A-F or Audit;)
33135 001 LAB, 13:00-15:50 F, Swenson Civil Engineering 231, In Person Term Based; Meets With: 001 GEOL 5603; Karen Gran, Rebecca Teasley ; 3 cr.

5241 Water Chemistry

(A-F or Audit;)
33167 001 LEC, 12:45-14:00 TTh, Swenson Civil Engineering 265, In Person Term Based; Chanlan Chun ; 3 cr.

5316 Pavement Analysis and Design

(A-F or Audit; Prereq: 3027, 3316; grad student)
30753 001 LEC, 12:30-13:45 TTh, Swenson Civil Engineering 231, In Person Term Based; Meets With: 001 CE 4316; Manik Barman ; 3 cr.

5426 Rock Mechanics

(A-F or Audit; Prereq: 3426, Grad Student)
30884 001 LEC, 15:00-15:50 W, Swenson Civil Engineering 231, 15:00-16:50 M, Swenson Civil Engineering 231, In Person Term Based; Meets With: 001 CE 4426; Carlos Carranza-Torres ; 3 cr.
30885 002 LAB, 16:00-16:50 W, Swenson Civil Engineering 224, In Person Term Based; Meets With: 002 CE 4426; Carlos Carranza-Torres ; 3 cr.

8094 Civil Engineering Master's Project

(S-N or Audit; Prereq: Graduate student)
37395 001 IND, In Person Term Based; Ben Dymond ; 1-6 cr.

8777 Thesis Credits: Master's

(No Grade Associated; Prereq: graduate student; max 12 cr per semester or summer, 10 cr total required (Plan A only))

37315 006 IND, In Person Term Based; David Saffner ; 1-12 cr.
37345 007 IND, In Person Term Based; Andrea Schokker ; 1-12 cr.

Coaching (CC)

3150 Coaching Methods

(A-F or Audit; Prereq: Coaching minor or instructor consent)
28864 001 LEC, 18:00-20:50 W, Sports and Health Center 150, 18:00-20:50 W, Sports and Health Center 8, In Person Term Based; Jim Knapp ; 3 cr.

3160 Psychological Aspects of Coaching and Athletic Performance

(A-F or Audit; Prereq: Coaching minor or instructor consent)
29195 001 LEC, 10:00-10:50 MWF, Sports and Health Center 8, In Person Term Based; Elizabeth Fleissner ; 3 cr.

3172 Coaching and Officiating Volleyball

(A-F or Audit; Prereq: Coaching minor or instructor consent)
29196 001 LEC, 11:00-11:50 TTh, Sports and Health Center 150, 11:00-11:50 TTh, Sports and Health Center 8, In Person Term Based; Elizabeth Fleissner ; 2 cr.

3991 Independent Study

(A-F or Audit; Prereq: Coaching minor and instructor consent)
28898 001 IND, Independent/Directed Study; Jim Knapp ; 1-4 cr.

3997 Coaching Practicum

(S-N only; Prereq: completed all required Coaching minor courses or in progress and instructor consent)
28857 001 FWK, Independent/Directed Study; Jim Knapp ; 2 cr.

Communication (COMM)

1000 Human Communication Theory

(A-F or Audit; SOC SCI)
29513 001 LEC, 15:00-16:15 TTh, Bohannon Hall 90, In Person Term Based; Ryan Goei ; 3 cr.

1112 Public Speaking

(A-F or Audit; COMM & LAN)
29577 001 LEC, 15:30-16:45 TTh, Sports and Health Center 207, In Person Term Based; Alastair Knowles ; 3 cr.
29578 002 LEC, 11:00-11:50 MWF, Swenson Civil Engineering 231, In Person Term Based; Nora Twite ; 3 cr.
29579 003 LEC, 14:00-14:50 MWF, M W Alworth Hall 175, In Person Term Based; Nora Twite ; 3 cr.
29580 004 LEC, 12:30-13:45 TTh, A B Anderson Hall 435, In Person Term Based; Alastair Knowles ; 3 cr.
29581 005 LEC, 15:00-15:50 MWF, A B Anderson Hall 425, In Person Term Based; Nora Twite ; 3 cr.
29582 006 LEC, 15:30-16:45 TTh, Bohannon Hall 104, In Person Term Based; Jean Farrell ; 3 cr.
29583 007 LEC, 17:00-19:30 T, Bohannon Hall 104, In Person Term Based; Jean Farrell ; 3 cr.
29584 009 LEC, 9:00- 9:50 MWF, A B Anderson Hall 435, In Person Term Based; Brian Matuszak ; 3 cr.
29585 010 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 233, In Person Term Based; Daniel Egly ; 3 cr.
29586 011 LEC, 11:00-11:50 MWF, Cina Hall 308, In Person Term Based; Brian Matuszak ; 3 cr.
29587 012 LEC, 12:00-12:50 MWF, Bohannon Hall 346, In Person Term Based; Daniel Egly ; 3 cr.
29588 013 LEC, 13:00-13:50 MWF, A B Anderson Hall 435, In Person Term Based; Daniel Egly ; 3 cr.
33346 008 LEC, 9:00- 9:50 MWF, Cina Hall 308, In Person Term Based; Daniel Egly ; 3 cr.

1222 Interpersonal Communication

(A-F or Audit; COMM & LAN)
29590 001 LEC, 8:00- 9:15 TTh, A B Anderson Hall 425, In Person Term Based; Angela Blais ; 3 cr.
29591 003 LEC, 12:30-13:45 TTh, Engineering Building 118, In Person Term Based; Angela Blais ; 3 cr.
29592 004 LEC, 11:00-12:15 TTh, A B Anderson Hall 245, In Person Term Based; Kristin Carlson ; 3 cr.
29593 005 LEC, 11:00-12:15 TTh, A B Anderson Hall 235, In Person Term Based; Angela Blais ; 3 cr.
29594 009 LEC, 12:00-12:50 MWF, Bohannon Hall 108, In Person Term Based; Brian Matuszak ; 3 cr.
29595 010 LEC, 10:00-10:50 MWF, Humanities Building 480, In Person Term Based; Barb Titus ; 3 cr.
29596 011 LEC, 12:00-12:50 MWF, A B Anderson Hall 435, In Person Term Based; Barb Titus ; 3 cr.
29597 012 LEC, 14:00-14:50 MWF, A B Anderson Hall 425, In Person Term Based; Barb Titus ; 3 cr.
29691 007 LEC, 17:00-19:30 W, Bohannon Hall 104, In Person Term Based; Jean Farrell ; 3 cr.
33347 002 LEC, 9:30-10:45 TTh, Humanities Building 484, In Person Term Based; Kristin Carlson ; 3 cr.
33348 006 LEC, 12:30-13:45 TTh, Sports and Health Center 208, In Person Term Based; Kristin Carlson ; 3 cr.
33349 008 LEC, 8:00- 8:50 MWF, A B Anderson Hall 445, In Person Term Based; Brian Matuszak ; 3 cr.

1500 Media and Society

(A-F or Audit; HUMANITIES)
29657 001 LEC, 14:00-14:50 MWF, M W Alworth Hall 195, In Person Term Based; Lawrence Bernabo ; 3 cr.

1600 Argumentation and Debate: A

Practical Approach
(A-F or Audit; LOGIC & QR)
29777 001 LEC, 11:00-11:50 MWF, Cina Hall 224, In Person Term Based; Lawrence Bernabo ; 3 cr.

2025 Communication Inquiry: Rhetorical and Historical Methods

(A-F or Audit; Prereq: Communication major, minimum 30 credits)
29624 001 LEC, 10:00-11:50 TTh, A B Anderson Hall 425, In Person Term Based; Elizabeth Parks ; 3 cr.
29735 002 LEC, 10:00-11:50 MW, A B Anderson Hall 425, In Person Term Based; Elizabeth Parks ; 3 cr.

2030 Communication Inquiry: Social Scientific Methods

(A-F or Audit; Prereq: Comm major, minimum 30 credits)
29534 001 LEC, 8:00- 9:50 MW, A B Anderson Hall 425, In Person Term Based; Aaron Boyson ; 3 cr.
29557 002 LEC, 10:00-11:50 MW, A B Anderson Hall 425, In Person Term Based; Aaron Boyson ; 3 cr.

2101 Foundations of Mass Communication

(A-F or Audit; SOC SCI)
29693 001 LEC, 10:00-11:50 MW, A B Anderson Hall 435, In Person Term Based; Deborah Petersen-Perlman ; 3 cr.

3115 Persuasion and Argumentation in Public Speaking

(A-F or Audit; Prereq: 1112 or 1511)
33354 001 LEC, 16:00-18:30 Th, A B Anderson Hall 445, In Person Term Based; Elizabeth Nelson ; 3 cr.

3116 Professional Communication

(A-F or Audit; Prereq: 1112 or 1511)
29875 001 LEC, 11:00-11:50 MWF, Ed Endazhiglikino/amaading 40, In Person Term Based; Barb Titus ; 3 cr.

3200 Interpersonal Communication Theory

(A-F or Audit; Prereq: 1000 or 1222)
29692 001 LEC, 12:00-13:50 MW, A B Anderson Hall 445, In Person Term Based; Jacquelyn Harvey ; 3 cr.

3211 Communication and Technology in the Information Age

(A-F or Audit;)
29540 001 LEC, 12:00-13:50 TTh, A B Anderson Hall 445, In Person Term Based; Edward Downs ; 3 cr.

3215 Conflict Management

(A-F or Audit; Prereq: Minimum 30 credits, communication major or minor or instructor consent)
29873 001 LEC, 8:00- 9:15 TTh, Cina Hall 106, In Person Term Based; Trista Anderson ; 3 cr.

3223 Communication and Creativity

(A-F or Audit; Prereq: Minimum 30 credits or instructor consent)
29678 001 LEC, 10:00-11:50 TTh, A B Anderson Hall 435, In Person Term Based; Elizabeth Nelson ; 3 cr.

3300 Teaching Assistantship in Communication

(S-N or Audit; Prereq: instructor consent)
29561 001 FWK, In Person Term Based; 1-3 cr.
29780 009 FWK, In Person Term Based; 1-3 cr.
29781 010 FWK, In Person Term Based; 1-3 cr.
29783 013 FWK, In Person Term Based; 1-3 cr.
29784 014 FWK, In Person Term Based; 1-3 cr.
37205 015 FWK, In Person Term Based; Elizabeth Parks ; 1-3 cr.
37206 016 FWK, In Person Term Based; Joshua Barnett ; 1-3 cr.

3310 Research Assistant in Communication

(S-N only; Prereq: instructor consent)

29785 005 FWK, In Person Term Based; 1-6 cr.

3515 Communication and Popular Culture

(A-F or Audit;)
29870 001 LEC, 14:00-15:50 TTh, A B Anderson Hall 425, In Person Term Based; Lawrence Bernabo ; 3 cr.

3525 Deciding What's News

(A-F or Audit;)
33357 001 LEC, 14:00-15:50 MW, A B Anderson Hall 435, In Person Term Based; Deborah Petersen-Perlman ; 3 cr.

3535 Intercultural Communication

(Student Option; Prereq: credit will not be granted if already received for 2929CDIVERSITY)

29658 001 LEC, 18:00-21:40 TTh, A B Anderson Hall 425, In Person Term Based; Michael Sunnafrank ; 4 cr.
29869 550 LEC, 18:00-21:50 TTh, Humanities Building 403, In Person Term Based; Ryan Goel ; 4 cr.**3550 Children and Media**

(A-F or Audit;)

37195 001 LEC, 17:00-19:30 T, Ed Endazhi-gikino'amaading 16, In Person Term Based; Aaron Boyson ; 3 cr.

3610 Philosophy and Rhetoric

(A-F or Audit; Prereq: credit will not be granted if already received for COMM 1625HUMANITIES)

33358 001 LEC, 10:00-11:50 TTh, A B Anderson Hall 445, In Person Term Based; Joshua Barnett ; 3 cr.

3612 Rhetorical Criticism

(A-F or Audit; Prereq: 1112 or 1511, minimum 60 credits)

29694 001 LEC, 14:00-15:50 TTh, A B Anderson Hall 435, In Person Term Based; 3 cr.

3615 Analysis of Public Discourse

(A-F or Audit; Prereq: credit will not be granted if already received for COMM 2505)

33359 001 LEC, 14:00-15:50 TTh, A B Anderson Hall 445, In Person Term Based; Elizabeth Nelson ; 3 cr.

3620 Controversy in the Boundary Waters

(A-F or Audit; SUSTAIN)

33360 001 LEC, 10:00-11:50 MW, A B Anderson Hall 445, In Person Term Based; Michael Pfau ; 3 cr.

3625 Rhetoric of Globalization

(A-F only; Prereq: 1112GLOBAL PER)

29787 001 LEC, 12:00-13:50 M, A B Anderson Hall 425, Partially Online; David Gore ; 3 cr.

4220 Interpersonal Communication & Health Outcomes

(A-F or Audit;)

29871 001 LEC, 16:00-17:50 MW, A B Anderson Hall 425, In Person Term Based; Jacquelyn Harvey ; 3 cr.

4397 Internship in Communication

(S-N only; Prereq: instructor consent; no grad credit)

29460 001 FWK, 00:00-00:00 , Independent/Directed Study; Alastair Knowles ; 1-8 cr.
29682 002 FWK, Independent/Directed Study; Alastair Knowles ; 1-8 cr.**5000 Senior Seminar**

(A-F or Audit; Prereq: 1000, 1112 or 1115, 2025, 2030 with a C or better; Min 90 cr, Comm major, instructor consent)

29558 001 LEC, 16:00-18:30 T, A B Anderson Hall 445, In Person Term Based; Edward Downs ; 3 cr.
29559 002 LEC, 16:00-18:30 M, A B Anderson Hall 445, In Person Term Based; Michael Pfau ; 3 cr.**5391 Independent Study in Communication**

(A-F or Audit;)

29788 001 IND, In Person Term Based; 1-6 cr.

Communication Sci/Disorders (CSD)**2230 Introduction to Human****Communication Disorders**

(Student Option; SOC SCI,CDIVERSITY)

28962 001 LEC, 8:00- 9:15 TTh, Solon Campus Center 120, In Person Term Based; Jolene Hyppa Martin, Faith Loven, Catherine Kuzj ; 3 cr.

2400 Clinical Observation of**Communication Disorders**

(A-F or Audit; Prereq: 2230 or instructor consent)

29130 001 DIS, 00:00-00:00 , Completely Online; Kent Brorson ; 1 cr.

3103 Anatomy of Speech and Hearing Mechanisms

(A-F only; Prereq: CSD candidate or instructor consent)

29129 001 LEC, 9:00- 9:50 MWF, Chester Park 202, In Person Term Based; Dana Collins, Faith Loven ; 3 cr.

3131 Language Development

(A-F or Audit; Prereq: CSD candidate or instructor consent)

28963 001 LEC, 13:00-13:50 MWThF, Chester Park 202, In Person Term Based; Catherine Kuzj ; 4 cr.

3150 Fundamentals and Clinical**Applications of Speech Science**

(A-F or Audit; Prereq: CSD candidate or instructor consent)

28964 001 LEC, 11:00-11:50 MWF, Chester Park 202, In Person Term Based; Dana Collins ; 3 cr.

4000 Introductory Statistics for the**Behavioral Sciences**

(A-F or Audit; Prereq: CSD candidate or non-CSD candidate with a minimum of 60 credits and instructor consent or instructor consent; no grad credit)

29172 001 LEC, 10:00-10:50 MWF, Chester Park 202, In Person Term Based; Faith Loven ; 3 cr.

4097 Introduction to Clinical Practicum in Communication Disorders

(A-F only; Prereq: CSD candidate, 4232 and department consent)

36866 001 FWK, In Person Term Based; Mark Mizuko ; 1 cr.

4150 Neuroanatomy and Neurophysiology in Communication Sciences and Disorders

(A-F or Audit; Prereq: 3103, 3150, 3160 or instructor consent; no grad credit)

29217 001 LEC, 9:30-10:45 TTh, Chester Park 202, In Person Term Based; Dana Collins ; 3 cr.

4400 Hearing Disorders and Evaluation

(A-F only; Prereq: 3103, 3160, CSD candidate or instructor consent)

28848 001 LEC, 12:00-12:50 MWF, Chester Park 202, In Person Term Based; Faith Loven ; 3 cr.

5091 Independent Study

(Student Option; Prereq: CSD candidate with 90 cr or CSD Grad student)

33008 001 IND, 14:00-14:50 W, Chester Park 204, In Person Term Based; Mark Mizuko ; 1-3 cr.
36288 002 IND, In Person Term Based; Kent Brorson ; 1-3 cr.
36432 003 IND, In Person Term Based; Jolene Hyppa Martin ; 1-3 cr.**5095 Special Topics: (Various Titles to be Assigned)**

(Student Option;)

34676 001 LEC, 14:00-14:50 W, Chester Park 202, In Person Term Based; Kent Brorson ; 0.5-3 cr.

5100 Research Methods in Communication Disorders

(A-F only; Prereq: CSD Grad)

29020 001 DIS, 12:00-13:40 Th, Chester Park 122, In Person Term Based; Jolene Hyppa Martin ; 1-2 cr.

5142 Introduction to Diagnosis of**Communication Disorders**

(A-F or Audit; Prereq: CSD Graduate or instructor consent; credit will not be granted if already received for 4142)

28965 001 LEC, 10:30-11:45 TTh, Chester Park 122, In Person Term Based; Kent Brorson ; 3 cr.

5250 Seminar in Augmentative and Alternative Communication

(A-F only; Prereq: CSD grad student or instructor consent)

29211 001 LEC, 12:00-12:50 T, Chester Park 122, In Person Term Based; Jolene Hyppa Martin ; 1 cr.

5301 Language Disorders in Infants,**Toddlers, and Preschoolers**

(A-F or Audit; Prereq: CSD grad student or instructor consent)

29242 001 LEC, 15:00-15:50 TTh, Chester Park 122, In Person Term Based; Kent Brorson ; 2 cr.

8099 Projects in Communication Disorders

(A-F only; Prereq: CSD grad student or instructor consent)

29212 001 IND, In Person Term Based; Kent Brorson ; 1 cr.
29213 002 IND, In Person Term Based; Faith Loven ; 1 cr.
29214 003 IND, In Person Term Based; Dana Collins ; 1 cr.29215 004 IND, In Person Term Based; Mark Mizuko ; 1 cr.
32994 005 IND, In Person Term Based; Jolene Hyppa Martin ; 1 cr.**8205 Advanced Fluency Disorders**

(A-F or Audit; Prereq: CSD grad student or instructor consent)

29210 001 LEC, 17:30-18:45 TTh, Chester Park 122, In Person Term Based; Kay Wallis ; 3 cr.

8212 Professional Issues in**Communication Disorders II**

(A-F or Audit; Prereq: 8211 or instructor consent)

29243 001 LEC, 16:00-16:50 T, Chester Park 122, In Person Term Based; Jolene Hyppa Martin ; 1 cr.

8230 Neurogenic Language Disorders

(A-F or Audit; Prereq: CSD Grad student or instructor consent)

28942 001 LEC, 8:00-10:00 TTh, Chester Park 122, In Person Term Based; Lynette Carlson ; 4 cr.

8235 Counseling Applications in**Communication Disorders**

(A-F or Audit; Prereq: CSD grad student, at least 4 cr of 8497 or instructor consent)

29009 001 LEC, 14:00-14:50 TTh, Chester Park 122, In Person Term Based; Rachael Robinson ; 2 cr.

8350 Applied Clinical Methods in CSD

(A-F or Audit; Prereq: grad student in CSD and instructor consent)

29236 001 LEC, 8:00- 8:50 F, Chester Park 122, In Person Term Based; Lynda John ; 1 cr.

8397 On-Campus Graduate Internship in Communication Disorders I

(A-F or Audit; Prereq: CSD grad student, instructor consent)

29202 003 FWK, Independent/Directed Study; Dana Collins ; 1-4 cr.

29203 004 FWK, Independent/Directed Study; Jolene Hyppa Martin ; 1-4 cr.

29204 005 FWK, Independent/Directed Study; Lynda John ; 1-4 cr.

29205 008 FWK, Independent/Directed Study; Rachael Robinson ; 1-4 cr.

29208 010 FWK, Independent/Directed Study; Catherine Kuzj ; 1-4 cr.

29209 011 FWK, Independent/Directed Study; Kay Wallis ; 1-4 cr.

32998 006 FWK, In Person Term Based; Mark Mizuko ; 1-4 cr.

8597 Part-Time CSD Graduate Internship in Education Settings

(A-F or Audit; Prereq: 5260, 8497 and instructor consent)

29171 001 FWK, Independent/Directed Study; Lynette Carlson ; 5 cr.

8697 Part-Time CSD Graduate Internship in Medical Setting

(A-F or Audit; Prereq: 5205, 5260, 8232, 8497 and instructor consent)

29166 001 FWK, Independent/Directed Study; Lynette Carlson ; 5 cr.

Computer Science (CS)**1121 Introduction to Programming in****Visual BASIC.NET**

(A-F or Audit; Prereq: 1 yr high school algebra or instructor consentexperience. prereq: 1 yr high school algebra or instructor consentLOGIC & QR)

29998 010 LAB, 16:00-16:50 F, M W Alworth Hall 177, In Person Term Based; 3 cr.

29999 002 LAB, 8:00- 8:50 F, M W Alworth Hall 177, In Person Term Based; 3 cr.

30138 003 LAB, 9:00- 9:50 F, M W Alworth Hall 177, In Person Term Based; Steven Holtz ; 3 cr.

30151 004 LAB, 10:00-10:50 F, M W Alworth Hall 177, In Person Term Based; Steven Holtz ; 3 cr.

30164 005 LAB, 11:00-11:50 F, M W Alworth Hall 177, In Person Term Based; Steven Holtz ; 3 cr.

30190 006 LAB, 12:00-12:50 F, M W Alworth Hall 177, In Person Term Based; Steven Holtz ; 3 cr.

30302 007 LAB, 13:00-13:50 F, M W Alworth Hall 177, In Person Term Based; Steven Holtz ; 3 cr.

30342 008 LAB, 14:00-14:50 F, M W Alworth Hall 177, In Person Term Based; Steven Holtz ; 3 cr.

30640 009 LAB, 15:00-15:50 F, M W Alworth Hall 177, In Person Term Based; 3 cr.
30711 001 LEC, 12:00-12:50 TTh, Montague Hall 80, In Person Term Based; Steven Holtz ; 3 cr.

1411 Introduction to Programming in Matlab

(A-F or Audit; Prereq: one to two years of high school math or instructor consent)

30545 001 LEC, 15:30-16:45 TTh, Ed Endazhigiknoo/amaaid 16, In Person Term Based; Steven Holtz ; 4 cr.
30546 002 LAB, 12:00-13:50 M, M W Alworth Hall 177, In Person Term Based; Steven Holtz ; 4 cr.
30547 003 LAB, 14:00-15:50 M, M W Alworth Hall 177, In Person Term Based; Steven Holtz ; 4 cr.

1511 Computer Science I

(A-F or Audit; Prereq: 3 1/2 yrs high school math or instructor consent LOGIC & QR)

30006 001 LEC, 12:00-12:50 MTWF, Bohannon Hall 90, In Person Term Based; James Allert ; 5 cr.
30007 003 LAB, 9:00-9:50 Th, M W Alworth Hall 177, In Person Term Based; James Allert ; 5 cr.
30008 004 LAB, 10:00-10:50 Th, M W Alworth Hall 177, In Person Term Based; James Allert ; 5 cr.
30009 005 LAB, 11:00-11:50 Th, M W Alworth Hall 177, In Person Term Based; James Allert ; 5 cr.
30010 006 LAB, 12:00-12:50 Th, M W Alworth Hall 177, In Person Term Based; James Allert ; 5 cr.
30011 007 LAB, 13:00-13:50 Th, M W Alworth Hall 177, In Person Term Based; James Allert ; 5 cr.
30012 008 LEC, 14:00-14:50 MTWF, Montague Hall 80, In Person Term Based; James Allert ; 5 cr.
30013 009 LAB, 14:00-14:50 Th, M W Alworth Hall 177, In Person Term Based; James Allert ; 5 cr.
30074 002 LAB, 8:00-8:50 Th, M W Alworth Hall 177, In Person Term Based; 5 cr.
30119 010 LAB, 15:00-15:50 Th, M W Alworth Hall 177, In Person Term Based; James Allert ; 5 cr.
30712 011 LAB, 16:00-16:50 Th, M W Alworth Hall 177, In Person Term Based; James Allert ; 5 cr.
32034 014 LAB, 19:00-19:50 Th, M W Alworth Hall 177, In Person Term Based; 5 cr.
32035 013 LAB, 18:00-18:50 Th, M W Alworth Hall 177, In Person Term Based; 5 cr.
32036 012 LAB, 17:00-17:50 Th, M W Alworth Hall 177, In Person Term Based; James Allert ; 5 cr.

1521 Computer Science II

(A-F or Audit; Prereq: 1511 or 1581, a grade of C- or better is required in all prerequisite courses)

In Person Term Based; Steven Holtz ; 5 cr.
30015 003 LAB, 14:00-14:50 T, M W Alworth Hall 177, In Person Term Based; Steven Holtz ; 5 cr.
30016 005 LAB, 15:00-15:50 T, M W Alworth Hall 177, In Person Term Based; Steven Holtz ; 5 cr.
30071 002 DIS, 14:00-14:50 Th, M W Alworth Hall 175, In Person Term Based; Steven Holtz ; 5 cr.
30072 004 DIS, 15:00-15:50 Th, M W Alworth Hall 175, In Person Term Based; Steven Holtz ; 5 cr.
30231 006 DIS, 16:00-16:50 Th, M W Alworth Hall 175, In Person Term Based; 5 cr.
30232 007 LAB, 16:00-16:50 T, M W Alworth Hall 177, In Person Term Based; 5 cr.

2511 Software Analysis and Design

(Student Option; Prereq: 1521 or instructor consent, a grade of C- or better is required in all prerequisite courses)

30045 001 LEC, 15:30-16:45 TTh, Montague Hall 70, In Person Term Based; Timothy Colburn ; 4 cr.
30046 002 LAB, 12:00-12:50 W, M W Alworth Hall 177, In Person Term Based; Timothy Colburn ; 4 cr.
30047 003 LAB, 13:00-13:50 W, M W Alworth Hall 177, In Person Term Based; Timothy Colburn ; 4 cr.
30724 004 LAB, 14:00-14:50 W, M W Alworth Hall 177, In Person Term Based; Timothy Colburn ; 4 cr.

2521 Computer Organization and Architecture

(Student Option; Prereq: 1521 or instructor consent, a grade of C- or better is required in all prerequisite courses)

30048 001 LEC, 10:00-10:50 MWF, Chemistry Building 150, In Person Term Based; Arshia Khan ; 4 cr.
30049 002 LAB, 16:00-16:50 M, M W Alworth Hall 177, In Person Term Based; Arshia Khan ; 4 cr.
30725 003 LAB, 17:00-17:50 M, M W Alworth Hall 177, In Person Term Based; Arshia Khan ; 4 cr.

2531 Discrete Structures for Computer Science

(A-F or Audit;)

32059 001 LEC, 11:00-11:50 F, M W Alworth Hall 191, 11:00-12:15 TTh, M W Alworth Hall 191, In Person Term Based; Hudson Turner ; 4 cr.

3111 Computer Ethics

(A-F or Audit; Prereq: WRIT 3100 or 3110 or 3121 or 3130 or 3140 or 3150 or 3160 or Engr 4001, minimum 60 credits or instructor consent, a grade of C- or better is required in all prerequisite courses HUMANITIES)

30189 001 LEC, 8:00-8:50 F, Voss-Kovach Hall 221, 12:30-13:45 TTh, Chemistry Building 251, In Person Term Based; Timothy Colburn ; 4 cr.

3121 Interactive Multimedia Technology

(A-F or Audit; Prereq: FMIS 3201 or FMIS 2201 or LSBE 1101, 2511 or instructor consent, a grade of C- or better is required in all prerequisite courses)

30120 001 LEC, 8:00-9:15 TTh, Heller Hall 321, In Person Term Based; James Allert ; 4 cr.
30121 002 LAB, 11:00-11:50 M, M W Alworth Hall 177, In Person Term Based; James Allert ; 4 cr.

3211 Database System Concepts

(A-F or Audit; Prereq: FMIS 3201 or FMIS 2201 or SBE 1101, 2511 or instructor consent, a grade of C- or better is required in all prerequisite courses)

30122 001 LEC, 14:00-15:15 MW, Heller Hall 306, In Person Term Based; Arshia Khan ; 4 cr.
30123 002 LAB, 17:00-17:50 T, M W Alworth Hall 177, In Person Term Based; Arshia Khan ; 4 cr.

3996 Internship in Computer Science

(S-N or Audit; Prereq: Computer science junior, instructor consent)

30087 001 FWK, 00:00-00:00 , Independent/Directed Study; Timothy Colburn ; 1-3 cr.

4531 Software Engineering

(A-F or Audit; Prereq: 2511, 2531 or 3512 or instructor consent, a grade of C- or better is required in all prerequisite courses)

30206 001 LEC, 8:00-9:15 TTh, M W Alworth Hall 347, In Person Term Based; Richard Maclin ; 4 cr.
30207 002 LAB, 16:00-17:50 W, M W Alworth Hall 177, In Person Term Based; Richard Maclin ; 4 cr.
32041 003 LAB, 18:00-19:50 W, M W Alworth Hall 177, In Person Term Based; Richard Maclin ; 4 cr.

4611 Database Management Systems

(A-F or Audit; Prereq: 2511, 2521, 2531 or 3512 or instructor consent; a grade of C- or better is required in all prerequisite courses)

30608 001 LEC, 11:00-12:15 TTh, Heller Hall 306, In Person Term Based; Eleazar Leal ; 4 cr.
30609 002 LAB, 19:00-20:50 T, M W Alworth Hall 177, In Person Term Based; Eleazar Leal ; 4 cr.

4821 Computer Security

(A-F or Audit; Prereq: 2511, 2521, 2531 or 3512 or instructor consent; credit will not be granted if already received for 4711; a grade of C- or better is required in all prerequisite courses)

30641 001 LEC, 13:00-13:50 MWF, A B Anderson Hall 245, In Person Term Based; Peter Peterson ; 4 cr.
30642 002 LAB, 16:00-16:50 M, M W Alworth Hall 187, In Person Term Based; Peter Peterson ; 4 cr.
32042 003 LAB, 17:00-17:50 M, M W Alworth Hall 187, In Person Term Based; Peter Peterson ; 4 cr.

4994 Honors Project

(A-F or Audit; Prereq: Consent of computer science honors program committee)

30088 001 IND, Independent/Directed Study; 2-3 cr.

5521 Advanced Data Structures

(A-F or Audit; Prereq: 2511, 2531 or 3512, or instructor consent, a grade of C- or better is required in all prerequisite courses)

30543 001 LEC, 9:30-10:45 TTh, M W Alworth Hall 175, In Person Term Based; Andrew Sutton ; 4 cr.
30544 002 LAB, 18:00-18:50 T, M W Alworth Hall 177, In Person Term Based; Andrew Sutton ; 4 cr.

5541 Artificial Intelligence

(A-F or Audit; Prereq: 2511, 2531 or 3512 or instructor consent, a grade of C- or better is required in all prerequisite courses)

30643 001 LEC, 14:00-15:15 TTh, Heller Hall 306, In Person Term Based; Richard Maclin ; 4 cr.
30644 002 LAB, 15:00-15:50 W, M W Alworth Hall 177, In Person Term Based; Richard Maclin ; 4 cr.

5631 Operating Systems

(A-F or Audit; Prereq: 2511, 2521, 2531 or 3512 or instructor consent, a grade of C- or better is required in all prerequisite courses)

30050 001 LEC, 14:00-14:50 MWF, Engineering Building 280, In Person Term Based; Haiyang Wang ; 4 cr.
30051 002 LAB, 19:00-19:50 M, M W Alworth Hall 177, In Person Term Based; Haiyang Wang ; 4 cr.
30726 003 LAB, 20:00-20:50 M, M W Alworth Hall 177, In Person Term Based; 4 cr.

5651 Computer Networks

(A-F or Audit; Prereq: 2511, 2521, 2531 or 3512 or instructor consent, a grade of C- or better is required in all prerequisite courses)

30113 002 LAB, 18:00-18:50 Th, M W Alworth Hall 187, In Person Term Based; Haiyang Wang ; 4 cr.
30303 001 LEC, 10:00-10:50 MWF, Bohannon Hall 90, In Person Term Based; Haiyang Wang ; 4 cr.
32043 003 LAB, 19:00-19:50 Th, M W Alworth Hall 187, In Person Term Based; Haiyang Wang ; 4 cr.

5761 Introduction to Natural Language Processing

(A-F or Audit; Prereq: CS 2511, 2531 or 3512 or instructor consent; a grade of C- or better is required in the prerequisite course)

30197 001 LEC, 12:00-12:50 MWF, Heller Hall 306, In Person Term Based; Ted Pedersen ; 4 cr.
30198 002 LAB, 18:00-18:50 M, M W Alworth Hall 177, In Person Term Based; Ted Pedersen ; 4 cr.

5991 Independent Study

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

30199 001 IND, 00:00-00:00 , Independent/Directed Study; Richard Maclin ; 1-4 cr.
30331 002 IND, 00:00-00:00 , Independent/Directed Study; Hudson Turner ; 1-4 cr.
30332 003 IND, 00:00-00:00 , Independent/Directed Study; Ted Pedersen ; 1-4 cr.
30333 004 IND, 00:00-00:00 , Independent/Directed Study; Peter Willemsen ; 1-4 cr.
30334 005 IND, 00:00-00:00 , Independent/Directed Study; Haiyang Wang ; 1-4 cr.
30335 006 IND, 00:00-00:00 , Independent/Directed Study; Neda Saeedloei ; 1-4 cr.
30336 007 IND, 00:00-00:00 , Independent/Directed Study; Peter Peterson ; 1-4 cr.
30337 008 IND, 00:00-00:00 , Independent/Directed Study; Arshia Khan ; 1-4 cr.
30338 009 IND, 00:00-00:00 , Independent/Directed Study; Eleazar Leal ; 1-4 cr.

8761 Natural Language Processing

(A-F or Audit; Prereq: 5761 or instructor consent; grad student)

30343 001 LEC, 8:00-9:40 MW, Heller Hall 306, In Person Term Based; Ted Pedersen ; 4 cr.

8777 Thesis Credits: Master's

(No Grade Associated; Prereq: Max 18 cr per semester or summer; 10 cr total required (Plan A only))

30095 001 IND, 00:00-00:00 , Independent/Directed Study; Richard Maclin ; 1-24 cr.
30096 002 IND, 00:00-00:00 , Independent/Directed Study; Hudson Turner ; 1-24 cr.
30097 003 IND, 00:00-00:00 , Independent/Directed Study; Ted Pedersen ; 1-24 cr.
30098 004 IND, 00:00-00:00 , Independent/Directed Study; Peter Willemsen ; 1-24 cr.
30099 005 IND, 00:00-00:00 , Independent/Directed Study; Haiyang Wang ; 1-24 cr.
30100 006 IND, 00:00-00:00 , Independent/Directed Study; Andrew Sutton ; 1-24 cr.
30101 007 IND, 00:00-00:00 , Independent/Directed Study; Peter Peterson ; 1-24 cr.
30102 008 IND, 00:00-00:00 , Independent/Directed Study; Arshia Khan ; 1-24 cr.
30103 009 IND, 00:00-00:00 , Independent/Directed Study; Eleazar Leal ; 1-24 cr.
30115 010 IND, 00:00-00:00 , Independent/Directed Study; 1-24 cr.

8821 Advanced Computer Security

(A-F or Audit; Prereq: CS 4821 or grad student and instructor consent)

30693 001 LEC, 8:00-9:40 MW, M W Alworth Hall 175, In Person Term Based; Peter Peterson ; 4 cr.

8993 Seminar

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

30124 001 LEC, 11:00-11:50 M, Heller Hall 306, In Person Term Based; Peter Willemsen ; 1 cr.
30727 002 LEC, 11:00-11:50 W, Heller Hall 306, In Person Term Based; Peter Willemsen ; 1 cr.

Criminology (CRIM)**1301 Introduction to Criminology**

(A-F or Audit; Prereq: credit will not be granted if already received for SOC 1301SOC SCI)
29442 001 LEC, 10:00-11:50 TTh, Chemistry Building 200, In Person Term Based; Jeffrey Maahs ; 4 cr.

2311 Criminological Theory

(A-F or Audit; Prereq: 1301, 15 credits)
29484 001 LEC, 10:00-11:50 TTh, Voss-Kovach Hall 221, In Person Term Based; Charern Lee, Debbie Rose ; 4 cr.
29668 002 LEC, 14:00-15:50 TTh, Chester Park 202, In Person Term Based; Charern Lee ; 4 cr.

3322 Law and Society

(A-F or Audit; Prereq: 30 credits or instructor consent)
29611 001 LEC, 18:00-20:50 M, Cina Hall 106, In Person Term Based; Fred Friedman ; 3 cr.

3324 Sociology of Criminal Law

(A-F or Audit; Prereq: 30 credits or instructor consent)
29669 001 LEC, 18:00-20:50 M, Cina Hall 102, In Person Term Based; Fred Friedman ; 3 cr.

3361 Correctional Continuum

(A-F or Audit; Prereq: 30 credits or higher or instructor consent)
29628 001 LEC, 14:00-15:15 TTh, Cina Hall 224, In Person Term Based; Jeffrey Maahs ; 3 cr.

3375 Restorative Justice

(A-F only; Prereq: 60 credits or instructor consent)
29629 001 LEC, 15:30-16:45 TTh, Cina Hall 102, In Person Term Based; Ted Lewis, Debbie Rose ; 3 cr.

3380 Death Penalty

(A-F or Audit; Prereq: 30 credits)
33111 001 LEC, 12:30-13:45 TTh, Bohannon Hall 346, In Person Term Based; Scott Vollum ; 3 cr.

4323 Women and Justice

(A-F or Audit; Prereq: 1301 or SOC 1101 or CST 1101 or Anth 1604, 60 credits, or instructor consent, no grad credit)
29612 001 LEC, 14:00-15:15 TTh, Cina Hall 308, In Person Term Based; Sheryl Grana ; 3 cr.

4340 Race, Crime and Justice

(A-F or Audit; Prereq: 1301 or SOC 1101 or Anth 1604 or CST 1101, 60 credits or grad student or instructor consent)
33112 001 LEC, 9:30-10:45 TTh, Cina Hall 316, Partially Online; Emily Gaarder ; 3 cr.

4384 Child Abuse and Child Protection in Minnesota

(A-F or Audit; Prereq: 90 credits or Grad Student or instructor consent)
29861 001 LEC, 18:00-20:50 W, Cina Hall 102, In Person Term Based; Dale Wolf ; 3 cr.

4391 Independent Study in Criminology

(A-F or Audit; Prereq: instructor consent; maximum 6 credits allowed between SOC 4991 and CRIM 4391, no grad credit)
29898 001 IND, Independent/Directed Study; Robert Weidner ; 1-6 cr.

4910 Teaching Assistantship in Criminology

(A-F or Audit; Prereq: 60 credits, instructor consent, no grad credit, maximum 3 credits allowed between SOC 4997, SOC 4910 and CRIM 4397, CRIM 4910)
29716 001 FWK, Independent/Directed Study; Jeffrey Maahs ; 1-3 cr.
29766 004 IND, Independent/Directed Study; 1-3 cr.

Cultural Entrepreneurship (CUE)**1001 Culture Industry and Creative Economy**

(A-F or Audit; GLOBAL PER)
29684 001 LEC, 14:00-15:15 TTh, Engineering Building 118, In Person Term Based; Aparna Katre ; 3 cr.
29711 002 LEC, 11:00-12:15 TTh, Engineering Building 177, In Person Term Based; Stephanie Raible ; 3 cr.
37240 003 LEC, 14:00-15:15 TTh, Ed Endazhigikino'amaading 32, In Person Term Based; Stephanie Raible ; 3 cr.

1111 Creative Problem Solving

(S-N or Audit;)
29823 001 LEC, 15:30-16:45 TTh, Bohannon Hall 346, In Person Term Based; Stephanie Raible ; 3 cr.

3001 Foundations of Cultural Entrepreneurship I

(A-F or Audit; Prereq: 1001, CUE major)
29700 001 LEC, 15:00-17:45 W, Sports and Health Center 210, In Person Term Based; Aparna Katre ; 3 cr.

4096 Field Study

(A-F only; Prereq: instructor consent, no grad credit)
29752 001 FWK, In Person Term Based; Stephanie Raible ; 2 cr.

Dance (DN)**1001 Introduction to the World of Dance**

(A-F or Audit; FINE ARTS)
31353 001 LEC, 9:00-9:50 MWF, Montague Hall 203, In Person Term Based; Rebecca Katz Harwood ; 3 cr.

1101 Modern Dance Technique I

(A-F or Audit; FINE ARTS)
31149 001 LAB, 13:30-14:40 MWF, Marshall Perform Arts Ctr 1, In Person Term Based; Rebecca Katz Harwood ; 2 cr.
31400 002 LAB, 14:00-15:45 TTh, Marshall Perform Arts Ctr 1, In Person Term Based; Rebecca Katz Harwood ; 2 cr.

1110 Jazz Dance Fundamentals

(A-F or Audit; FINE ARTS)
31751 001 LAB, 10:00-11:10 MWF, Marshall Perform Arts Ctr 1, In Person Term Based; Kelly Grussendorf ; 2 cr.

1111 Jazz Dance Technique I

(A-F or Audit; FINE ARTS)
31354 001 LAB, 16:20-17:35 MWF, Marshall Perform Arts Ctr 1, In Person Term Based; Kelly Grussendorf ; 2 cr.

1121 Tap Dance Technique I

(A-F or Audit; Prereq: 4 credits of 1101 or 1111, instructor consent)
31150 001 LAB, 12:00-13:45 TTh, Marshall Perform Arts Ctr 21, In Person Term Based; Ann Bergeron ; 2 cr.

1131 Ballet Technique I

(A-F or Audit; FINE ARTS)
31151 001 LAB, 8:00-9:45 TTh, Marshall Perform Arts Ctr 1, In Person Term Based; LilaAnn White ; 2 cr.
31357 002 LAB, 12:00-13:45 TTh, Marshall Perform Arts Ctr 1, In Person Term Based; LilaAnn White ; 2 cr.

2111 Jazz Dance Techniques II

(A-F or Audit; Prereq: Successful completion of DN 1111 with grade of B or better or by placement evaluation of instructor; instructor consent)
31781 001 LAB, 16:00-17:45 TTh, Marshall Perform Arts Ctr 1, In Person Term Based; Kelly Grussendorf ; 2 cr.

2131 Ballet Technique II

(A-F or Audit; Prereq: Successful completion of DN 1131 with grade of B or better or by placement evaluation of instructor; instructor consent)
31782 001 LAB, 8:40-9:50 MWF, Marshall Perform Arts Ctr 1, In Person Term Based; LilaAnn White ; 2 cr.

3231 Ballet Technique III

(A-F or Audit; Prereq: instructor consent)
31152 001 LAB, 14:50-16:00 MWF, Marshall Perform Arts Ctr 1, In Person Term Based; LilaAnn White ; 2 cr.

3241 Social Dance for the Stage

(A-F or Audit; Prereq: minimum 60 credits, BFA Theatre major, instructor consent)
31761 001 LAB, 16:00-17:50 T, Marshall Perform Arts Ctr 21, In Person Term Based; Rebecca Katz Harwood ; 1 cr.

4311 Jazz Dance Technique IV

(A-F or Audit; Prereq: instructor consent; no grad credit)
31337 001 LAB, 12:00-13:10 MWF, Marshall Perform Arts Ctr 1, In Person Term Based; Ann Bergeron ; 2 cr.

4901 Intern Teaching Dance

(A-F or Audit; Prereq: 3201 or 3211 or 3221 or 3231, instructor consent; no grad credit)
31344 001 DIS, In Person Term Based; Rebecca Katz Harwood, Ann Bergeron, Kelly Grussendorf, LilaAnn White ; 2 cr.

5991 Independent Study in Dance

(A-F or Audit; Prereq: instructor consent; undergrads max 6 cr in 3991 and 5991 combined)
34469 001 IND, Independent/Directed Study; 1-3 cr.

5997 Internship in Professional Dance

(A-F or Audit; Prereq: department approval; 1 cr for each 45 hrs of work)
34470 001 FWK, In Person Term Based; 1-12 cr.

Early Childhood Studies (ECH)**2010 Foundational Issues in Early Childhood Studies**

(A-F or Audit;)
28899 001 LEC, 9:30-10:45 TTh, Ed Endazhigikino'amaading 16, Partially Online; Arri Onchwari ; 3 cr.

2015 Literature for Young Children

(A-F or Audit;)
28997 001 LEC, 8:00-9:15 TTh, Montague Hall 151, In Person Term Based; Anri Onchwari ; 3 cr.

2025 Educating the Human Brain

(A-F or Audit; SOC SCI)
28998 001 LEC, 11:00-11:50 TTh, Bohannon Hall 108, Partially Online; Molly Harney ; 3 cr.
29084 002 LEC, 12:00-12:50 TTh, Bohannon Hall 108, Partially Online; Molly Harney ; 3 cr.
29118 003 LEC, 13:00-13:50 TTh, Bohannon Hall 108, Partially Online; Molly Harney ; 3 cr.

4010 Infant and Early Childhood Perceptual and Psychomotor Development

(A-F or Audit; Prereq: Admitted to UECH program, no grad credit)
29040 001 LEC, 13:00-13:50 MW, Montague Hall 151, In Person Term Based; Laura Kleffman ; 2 cr.

4600 Student Teaching in Early Childhood/Primary

(S-N only; Prereq: Admitted to UECH program or post bac per instructor consent; no grad credit)
28975 001 FWK, 12:00-16:00 Th, Room TBA, 12:00-16:00 Th, Room TBA, Independent/Directed Study; Kathryn Levine ; 3-12 cr.
28976 002 FWK, 12:00-16:00 Th, Room TBA, 12:00-16:00 Th, Room TBA, Independent/Directed Study; Maureen Olek ; 3-12 cr.

4610 Professional Issues Seminar in Early Childhood Education

(A-F only; Prereq: admitted to UECH program; no grad credit)
28900 001 LEC, 10:00-12:00 Sa, Montague Hall 151, 10:00-12:00 Sa, Montague Hall 151, 10:00-12:00 Sa, Montague Hall 151, Partially Online; Jennifer Bouchie ; 1 cr.

4991 Independent Study

(A-F or Audit; Prereq: instructor consent; no grad credit)
37310 001 IND, Independent/Directed Study; Molly Harney ; 1-6 cr.

Economics (ECON)**1022 Principles of Economics: Macro**

(A-F or Audit; Prereq: Minimum 15 credits or department consentsSOC SCI)
30946 001 LEC, 12:00-12:50 MWF, Labovitz Schl Bus & Econ 118, In Person Term Based; Melaku Abegaz ; 3 cr.
30947 002 LEC, 15:00-15:50 MWF, Labovitz Schl Bus & Econ 118, In Person Term Based; Melaku Abegaz ; 3 cr.
30984 003 LEC, 11:00-12:15 TTh, Labovitz Schl Bus & Econ 118, In Person Term Based; Ariuna Taivan ; 3 cr.

1023 Principles of Economics: Micro

(A-F or Audit; Prereq: Minimum 15 credits or department consentsSOC SCI)
30948 001 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 118, In Person Term Based; Christopher McIntosh ; 3 cr.
31014 002 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 118, In Person Term Based; Christopher McIntosh ; 3 cr.
31139 003 LEC, 18:00-20:40 T, Labovitz Schl Bus & Econ 118, In Person Term Based; Timothy Seelos ; 3 cr.

2030 Applied Statistics for Business and Economics

(A-F or Audit; Prereq: minimum 30 credits, LSBE student, pre-business or pre-accounting or Econ BA major or Graphic Design and Marketing major or Econ minor or Accounting minor or Business Admin minor; credit will not be granted if already received for Econ 2020, Stat 1411, Stat 2411, Stat 3611, Soc 3151, Psy 3020LOGIC & QR)

- 31021 001 LEC, 8:00- 8:50 MWF, Labovitz Schl Bus & Econ 125, In Person Term Based; Yufei Ren ; 3 cr.
 31022 002 LEC, 9:00- 9:50 MWF, Labovitz Schl Bus & Econ 125, In Person Term Based; Yufei Ren ; 3 cr.
 31023 003 LEC, 9:30-10:45 TTh, Labovitz Schl Bus & Econ 125, In Person Term Based; Bedassa Tadesse ; 3 cr.
 31024 004 LEC, 11:00-12:15 TTh, Labovitz Schl Bus & Econ 125, In Person Term Based; Bedassa Tadesse ; 3 cr.

3022 Intermediate Macroeconomics

(A-F or Audit; Prereq: 1022, 1023, Math 1160 or Math 1296, Econ major or minor or LSBE candidate)
 30944 001 LEC, 9:30-10:45 TTh, Labovitz Schl Bus & Econ 233, In Person Term Based; Luiggi Donayre ; 3 cr.

3023 Intermediate Microeconomics

(A-F or Audit; Prereq: 1022, 1023, Math 1160 or Math 1296, Econ major or minor or LSBE candidate)
 31079 001 LEC, 12:00-12:50 MWF, Labovitz Schl Bus & Econ 225, In Person Term Based; Yufei Ren ; 3 cr.

3030 Econometrics I

(A-F or Audit; Prereq: 1022, 1023, (2030 or Stat 1411 or Stat 2411 or Stat 3611), Math 1160 or Math 1296, Econ major or minor or LSBE candidate)
 31015 001 LEC, 15:30-16:45 TTh, Labovitz Schl Bus & Econ 229, In Person Term Based; Bedassa Tadesse ; 3 cr.

3150 Development Economics

(A-F or Audit; Prereq: 1022, 1023)
 31119 001 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 135, In Person Term Based; Melaku Abegaz ; 3 cr.

3311 Money and Banking

(A-F or Audit; Prereq: 1022, Econ major or minor or LSBE candidate)
 31036 001 LEC, 14:00-15:15 TTh, Labovitz Schl Bus & Econ 125, In Person Term Based; Ariuna Taivan ; 3 cr.

3314 Sports Economics

(A-F or Audit; Prereq: 1022, 1023, Econ major or minor or LSBE candidate)
 31104 001 LEC, 9:00- 9:50 MWF, Labovitz Schl Bus & Econ 225, In Person Term Based; Neil Wilmot ; 3 cr.

3402 Global Economic Issues

(A-F or Audit; Prereq: LSBE candidate or Econ major or Econ minor)
 31065 001 LEC, 13:00-13:50 MWF, Labovitz Schl Bus & Econ 118, In Person Term Based; Gibson Nene ; 3 cr.

3721 Natural Resource and Energy Economics

(A-F or Audit; Prereq: 1023, preferred but not required: 3023; credit will not be granted if already received for ECON 4721)
 33190 001 LEC, 12:00-12:50 MWF, Labovitz Schl Bus & Econ 125, In Person Term Based; Neil Wilmot ; 3 cr.

3910 Economics of Health Care

(A-F or Audit; Prereq: 1022, 1023, Economics major or minor or Health Care Management minor or LSBE cand)
 31123 001 LEC, 8:00- 9:15 TTh, Labovitz Schl Bus & Econ 125, In Person Term Based; Jennifer Schultz ; 3 cr.

4590 Times Series Forecasting and Macroeconomic Policy

(A-F or Audit;)
 33192 001 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 229, In Person Term Based; Luiggi Donayre ; 3 cr.

4613 Oligopoly and Monopoly

(A-F or Audit; Prereq: 1023, 3023)
 33191 001 LEC, 15:00-15:50 MWF, Labovitz Schl Bus & Econ 233, In Person Term Based; Gibson Nene ; 3 cr.

Education (EDUC)

1000 Human Development

(A-F or Audit;)
 28904 001 LEC, 8:00- 9:15 TTh, Bohannon Hall 346, In Person Term Based; Kim Riordan ; 3 cr.
 28905 002 LEC, 9:30-10:45 TTh, Bohannon Hall 346, In Person Term Based; Kim Riordan ; 3 cr.

36934 003 LEC, 8:00- 8:50 MWF, Montague Hall 151, In Person Term Based; Carol Kubiski ; 3 cr.

1100 Human Diversity

(A-F or Audit; CDIVERSITY)
 28906 001 LEC, 17:00-19:30 T, Solon Campus Center 21, In Person Term Based; Insoon Han ; 3 cr.
 28907 002 LEC, 15:30-16:45 TTh, Ed Endazhigikino'amaading 17, In Person Term Based; Kim Riordan ; 3 cr.
 29228 003 LEC, 11:00-11:50 MWF, Ed Endazhigikino'amaading 16, In Person Term Based; Chang'aa Mweti ; 3 cr.

1101 Education in Modern Society

(A-F or Audit; HUMANITIES)
 28908 001 LEC, 14:00-14:50 MWF, Montague Hall 70, In Person Term Based; Daniel Glisczinski ; 3 cr.
 28909 002 LEC, 16:00-18:50 T, Montague Hall 80, In Person Term Based; Frank Gulbrandsen ; 3 cr.

1103 Introduction to Africa

(A-F or Audit; GLOBAL PER)
 29234 001 LEC, 17:00-18:15 TTh, Montague Hall 203, In Person Term Based; Meets With: 001 AAAS 1103; Chang'aa Mweti ; 3 cr.

1201 Managing Planet Earth

(A-F or Audit; SUSTAIN)
 36221 001 LEC, Completely Online; Erin Pepelnjak ; 3 cr.

1302 Topics in Academic Reading I

(A-F or Audit; Prereq: This course was previously offered as LANG 1302; instructor consent; maximum of 4 credits between EDUC 1302 and LANG 1302)
 29081 001 LEC, 8:00- 8:50 MWF, Ed Endazhigikino'amaading 51, In Person Term Based; Anna Gavrilova ; 3 cr.

2000 Technology for Teaching and Learning

(A-F or Audit; Prereq: minimum 12 credits)
 29123 001 LEC, 15:00-16:50 M, Montague Hall 151, Partially Online; Helen Mongan-Rallis ; 3 cr.
 29229 002 LEC, 15:00-16:50 W, Montague Hall 151, Partially Online; Helen Mongan-Rallis ; 3 cr.

2301 English for Academic Writing

(A-F or Audit; Prereq: This course was previously offered as LANG 2301; instructor consent; maximum of 6 credits between EDUC 2301 and LANG 2301)
 28950 001 LEC, 9:00- 9:50 MWF, Kirby Plaza 385, In Person Term Based; Alex Seydow ; 3 cr.
 29093 002 LEC, 9:00- 9:50 MWF, Ed Endazhigikino'amaading 16, In Person Term Based; Anna Gavrilova ; 3 cr.

2303 Academic Interactions: Listening and Speaking in the College Classroom

(A-F or Audit; Prereq: This course was previously listed as LANG 2303; instructor consent; maximum of 5 credits between EDUC 2303 and LANG 2303)
 29082 001 LEC, 16:00-16:50 MW, Ed Endazhigikino'amaading 17, In Person Term Based; Alex Seydow ; 2 cr.

2304 Editing for Writers

(A-F or Audit; Prereq: This course was previously listed as LANG 2304; maximum of 4 credits between EDUC 2304 and LANG 2304)
 29265 001 LEC, 10:00-10:50 W, Montague Hall 151, In Person Term Based; Alex Seydow ; 2 cr.

3202 African Story-Telling and Folklore

(A-F or Audit;)
 29235 001 LEC, 16:00-18:40 W, Engineering Building 177, In Person Term Based; Meets With: 001 AAAS 3202; Chang'aa Mweti ; 3 cr.

3340 Interacting with Diverse Families

(A-F or Audit; Prereq: Credit will not be granted if credit has been received for EDUC 5340.)
 29060 001 LEC, 18:00-20:45 Th, Ed Endazhigikino'amaading 16, In Person Term Based; Kim Riordan ; 3 cr.

3381 Teaching American Indian Students in the Elementary Classroom

(A-F only; Prereq: Admission to IESE program and successful completion of Blocks One and Two courses and associated field experiences; credit will not be granted if already received for ELED 3381)
 29141 001 LEC, 11:00-11:50 TTh, Ed Endazhigikino'amaading 51, Partially Online; Brian McInnes ; 3 cr.

3412 The Computer in Education

(A-F or Audit;)
 28911 001 LEC, 10:00-11:50 MW, Montague Hall 209, In Person Term Based; David McCarthy ; 4 cr.
 28925 002 LEC, 13:00-14:50 MW, Montague Hall 209, In Person Term Based; Meets With: 002 EDUC 5412; David McCarthy ; 4 cr.

4227 Number Theory for Teachers in Grades 5-8

(A-F or Audit; Prereq: Math 1140 or 1296)
 28939 001 LEC, 18:00-20:50 T, Ed Endazhigikino'amaading 17, In Person Term Based; Kay Wohlhuter ; 3 cr.

4228 Teaching Mathematics with Technology

(A-F only; Prereq: Math 1140 or 1296)
 29023 001 LEC, 18:00-20:50 M, Ed Endazhigikino'amaading 17, In Person Term Based; Kay Wohlhuter ; 3 cr.

4234 Science, Technology, and Society

(A-F or Audit; Prereq: Minimum 30 credits, no grad creditsSUSTAIN)
 28910 001 LEC, 14:00-15:15 TTh, Ed Endazhigikino'amaading 17, In Person Term Based; Joan Kwako ; 3 cr.

4347 Second Language Acquisition & ELL: How Second Languages are Learned & Methods for Teaching

(A-F only; Prereq: Admission to IESE program and successful completion of Block One courses and associated field experience; no grad credit; credit will not be granted if already received for ELED 4347)
 29142 001 LEC, 13:00-13:50 TTh, Ed Endazhigikino'amaading 17, In Person Term Based; Christopher Johnson ; 2 cr.

4381 Teaching Indigenous Students

(A-F or Audit; Prereq: EDSE 4100; no grad credit; credit will not be granted if already received for EDUC 5381.)
 28903 001 LEC, 10:00-10:50 MWF, Ed Endazhigikino'amaading 16, Partially Online; Roxanne Gould ; 3 cr.
 29266 002 LEC, 13:00-13:50 MWF, Ed Endazhigikino'amaading 17, Partially Online; Roxanne Gould ; 3 cr.

4500 Professional Issues and Ethics

(A-F or Audit; Prereq: Admission to the elementary education program, successful completion of courses in block one and block two, no grad credit)
 29002 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Daniel Glisczinski ; 1 cr.

4990 Education Teacher Performance Assessment

(No Grade Associated;)
 29302 001 IND, Completely Online; ; 0 cr.

4991 Independent Study

(A-F or Audit; Prereq: instructor consent; no grad credit)
 36345 001 IND, Independent/Directed Study; Molly Harney ; 0.5-3 cr.

5412 The Computer in Education

(A-F or Audit;)
 37442 002 LEC, 13:00-14:50 MW, Montague Hall 209, In Person Term Based; Meets With: 002 EDUC 3412; David McCarthy ; 4 cr.

5414 Using Technology for the Administrative Tasks of Teaching

(A-F or Audit; Prereq: Min 60 cr or coll grad; 3412 or 5412, 5413 or instructor consent)
 29143 001 LEC, 16:00-19:50 W, Montague Hall 209, In Person Term Based; David McCarthy ; 4 cr.

5991 Independent Study

(A-F or Audit;)
 28917 001 IND, 00:00-00:00 , Independent/Directed Study; Kay Wohlhuter ; 0.5-4 cr.
 28995 002 IND, 00:00-00:00 , Independent/Directed Study; Joyce Strand ; 0.5-4 cr.

7001 Introduction to Graduate Study

(A-F or Audit; Prereq: MEd candidate or instructor consent; credit will not be granted if already received for EHS 7001)

29013 001 LEC, 8:30-14:00 Sa, Montague Hall 151, Primarily Online; Frank Gulbrandsen ; 3 cr.

7008 Foundations of Teaching and Learning: Curriculum Theory and Design
(A-F or Audit; Prereq: MEd student or instructor consent; credit will not be granted if already received for EHS 7008)

29014 001 LEC, 8:30-14:00 Su, Montague Hall 151, Primarily Online; Lynn Brice ; 3 cr.

7009 Assessment of Learning
(A-F or Audit; Prereq: MEd candidate; credit will not be granted if already received for EHS 7009)

29024 001 LEC, 8:30-14:00 Su, Montague Hall 151, Primarily Online; Julia Williams ; 3 cr.

7011 Integrated Research in Practice
(A-F or Audit; Prereq: 7004 or instructor consent)

29055 001 DIS, 8:30-14:00 Sa, Montague Hall 151, Primarily Online; Insoon Han ; 3 cr.

7130 Indigenous Knowledge and Worldview

(A-F or Audit; Prereq: grad student)
33069 001 LEC, 17:30-20:30 F, Montague Hall 151, Primarily Online; Brian McInnes ; 2-3 cr.

8888 Thesis Credit: Doctoral
(No Grade Associated; Prereq: Max 18 cr per semester or summer; 24 cr required)

29074 001 IND, 00:00-00:00 , Independent/Directed Study; Lynn Brice ; 1-24 cr.

29268 003 IND, Independent/Directed Study; Jean Stevenson ; 1-24 cr.

29269 004 IND, Independent/Directed Study; Joyce Strand ; 1-24 cr.

33066 002 IND, Independent/Directed Study; Julie Ernst ; 1-24 cr.

Education, Secondary (EDSE)

3206 Apprenticeship: Secondary School
(A-F or Audit; Prereq: Admission to EdSe program, must be taken either after or concurrently with EDSE 3204)

28918 001 FWK, 11:00-11:50 TTh, Ed Endazhigikino'amaading 17, Partially Online; Frank Gulbrandsen ; 2 cr.

4100 Teaching in a Diverse Society

(A-F or Audit; Prereq: Admission to EdSe program)
28902 001 LEC, 18:00-20:00 W, Montague Hall 151, Partially Online; Nedra Hazareesingh ; 3 cr.

29259 002 LEC, 18:00-20:00 T, Labovitz Schl Bus & Econ 225, Partially Online; Nedra Hazareesingh ; 3 cr.

4204 Designing Learning Environments and Lessons

(A-F or Audit; Prereq: Admission to EdSe program; no grad credit)

29184 001 LEC, 8:00-9:50 MW, Ed Endazhigikino'amaading 17, Partially Online; Erin Pepelnjak ; 3 cr.

4214 Teaching Content-Area Reading

(A-F or Audit;)
29000 001 LEC, 11:00-11:50 MWF, Montague Hall 151, In Person Term Based; Christopher Johnson ; 2 cr.

4222 Teaching Mathematics: Grades 5-12

(A-F or Audit; Prereq: Admission to EdSe program, 4204 or instructor consent, no grad credit)

29071 001 LEC, 8:00-10:45 TTh, Ed Endazhigikino'amaading 17, In Person Term Based; Kay Wohlhuter ; 4 cr.

4501 Adolescent/Adult Development and Learning Theory

(A-F or Audit; Prereq: Admission to EdSe program; no grad credit)

28858 001 LEC, 8:00-9:15 TTh, Ed Endazhigikino'amaading 16, In Person Term Based; Meets With: 001 EDSE 5501; Daniel Gilszczinski ; 3 cr.

35778 002 LEC, 11:00-11:50 MWF, Ed Endazhigikino'amaading 17, In Person Term Based; Meets With: 002 EDSE 5501; Daniel Gilszczinski ; 3 cr.

4525 Assessment for Secondary Education

(A-F only; Prereq: instructor consent; no grad credit)
29053 001 LEC, 14:00-15:15 TTh, Ed Endazhigikino'amaading 16, Partially Online; Meets With: 001 EDSE 5525; Erin Pepelnjak ; 3 cr.

4600 Student Teaching

(S-N or Audit; Prereq: 4100, 4501, appropriate methods course; no grad credit)

28938 002 FWK, 9:00-12:00 F, Room TBA, 9:00-15:00 F, Room TBA, Independent/Directed Study; David Edmund, Jian-Jun Chen-Edmund ; 3-12 cr.

28977 003 FWK, 9:00-12:00 F, Room TBA, 9:00-15:00 F, Room TBA, Independent/Directed Study; Dorothy Johns ; 3-12 cr.

28978 005 FWK, 9:00-12:00 F, Room TBA, 9:00-15:00 F, Room TBA, Independent/Directed Study; Frank Gulbrandsen ; 3-12 cr.

28979 006 FWK, 9:00-12:00 F, Room TBA, 9:00-15:00 F, Room TBA, Independent/Directed Study; Helen Mongan-Rallis ; 3-12 cr.

28980 007 FWK, 9:00-12:00 F, Room TBA, 9:00-15:00 F, Room TBA, Independent/Directed Study; Jennifer Frisch ; 3-12 cr.

29247 001 FWK, 9:00-12:00 F, Montague Hall 239, 9:00-15:00 F, Montague Hall 239, Independent/Directed Study; Charles Rick ; 3-12 cr.

29248 004 FWK, 9:00-12:00 F, Room TBA, 9:00-15:00 F, Room TBA, Independent/Directed Study; Erin Pepelnjak ; 3-12 cr.

5501 Adolescent/Adult Development and Learning Theory

(A-F or Audit; Prereq: Grad student or faculty at post-secondary institution or instructor consent)

29186 001 LEC, 8:00-9:15 TTh, Ed Endazhigikino'amaading 16, In Person Term Based; Meets With: 001 EDSE 4501; Daniel Gilszczinski ; 3 cr.

35779 002 LEC, 11:00-11:50 MWF, Ed Endazhigikino'amaading 17, In Person Term Based; Meets With: 002 EDSE 4501; Daniel Gilszczinski ; 3 cr.

5525 Assessment for Secondary Education

(A-F or Audit; Prereq: graduate student, faculty at community college or instructor consent)

32072 001 LEC, 14:00-15:15 TTh, Ed Endazhigikino'amaading 16, Partially Online; Meets With: 001 EDSE 4525; Erin Pepelnjak ; 3 cr.

Education/Human Service Pro (EHS)

799 CEHSP Masters Active Status

(No Grade Associated; Prereq: MEd or MSpEd students only)

28999 001 IND, In Person Term Based; 0 cr.

1000 Into the World

(A-F or Audit; GLOBAL PER)

29293 001 LEC, 8:00-9:15 TTh, Bohannon Hall 112, In Person Term Based; Christine Schilling ; 3 cr.

Educational Administration (EDAD)

5916 Curriculum and Instruction and Assessment

(A-F or Audit; Prereq: EdAd lic program or collegiate graduate program admission or instructor consent)

32044 001 LEC, 12:30-16:00 Sa, Ed Endazhigikino'amaading 51, 12:30-16:00 Sa, Ed Endazhigikino'amaading 51, 12:30-16:00 Sa, Ed Endazhigikino'amaading 51, Primarily Online; Charles Rick ; 3 cr.

5921 Principalship

(A-F or Audit; Prereq: EdAd lic program or collegiate graduate program admission or instructor consent)

32045 001 LEC, 8:30-12:00 Sa, Ed Endazhigikino'amaading 51, 8:30-12:00 Sa, Ed Endazhigikino'amaading 51, 8:30-12:00 Sa, Ed Endazhigikino'amaading 51, Primarily Online; Christopher Johnson ; 3 cr.

5997 Professional Competency Assessment: Principals

(A-F or Audit; Prereq: EdAd lic program or collegiate graduate program admission or instructor consent)
32047 001 LEC, Completely Online; Charles Rick ; 1 cr.

6997 Internship: Principals

(S-N only; Prereq: EdAd lic program or collegiate graduate program or instructor consent)

32049 001 FWK, Independent/Directed Study; Charles Rick ; 6 cr.

Electrical Engineering (EE)

1001 Introduction to Electrical Engineering
(A-F or Audit; Prereq: CE, ChE, CS, EE, IE, ME majors only)

30554 001 LEC, 9:00-9:50 TTh, Chemistry Building 200, In Person Term Based; Stanley Burns ; 2 cr.

1315 Digital Logic

(A-F or Audit; Prereq: CE, ChE, CS, EE, IE, ME majors or instructor consent)

30555 001 LEC, 10:00-10:50 MWF, Chemistry Building 155, In Person Term Based; George Zimmerman ; 4 cr.

30556 002 LAB, 9:00-11:50 Th, M W Alworth Hall 295, In Person Term Based; George Zimmerman ; 4 cr.

30557 003 LAB, 13:00-15:50 Th, M W Alworth Hall 295, In Person Term Based; George Zimmerman ; 4 cr.

2006 Electrical Circuit Analysis

(A-F or Audit; Prereq: Phys 2015, Math 3280 (Concurrent registration is allowed))

30558 001 LEC, 12:00-12:50 MWF, M W Alworth Hall 191, In Person Term Based; George Zimmerman ; 4 cr.

30559 002 LAB, 9:00-11:50 T, M W Alworth Hall 391, In Person Term Based; George Zimmerman ; 4 cr.

30560 003 LAB, 13:00-15:50 T, M W Alworth Hall 391, In Person Term Based; George Zimmerman ; 4 cr.

30561 004 LEC, 14:30-15:45 TTh, M W Alworth Hall 191, In Person Term Based; Scott Norr ; 4 cr.

30562 005 LAB, 16:00-18:50 M, M W Alworth Hall 391, In Person Term Based; Scott Norr ; 4 cr.

30563 006 LAB, 16:00-18:50 W, M W Alworth Hall 391, In Person Term Based; Scott Norr ; 4 cr.

30686 007 LAB, 16:00-18:50 T, M W Alworth Hall 391, In Person Term Based; George Zimmerman ; 4 cr.

30829 008 LAB, 16:00-18:50 Th, M W Alworth Hall 391, In Person Term Based; Scott Norr ; 4 cr.

36667 009 LEC, 12:00-12:50 MWF, Ed Endazhigikino'amaading 50, In Person Term Based; Jing Bai ; 4 cr.

36668 010 LAB, 9:00-11:50 T, M W Alworth Hall 393, In Person Term Based; Jing Bai, Murtaza Kamal Pasha Khan ; 4 cr.

2111 Linear Systems and Signal Analysis

(A-F or Audit; Prereq: 2006)

30564 001 LEC, 13:00-13:50 MWF, Chemistry Building 155, In Person Term Based; Imran Hayee ; 4 cr.

30565 002 LAB, 9:00-11:50 Th, M W Alworth Hall 393, In Person Term Based; Imran Hayee ; 4 cr.

30864 003 LAB, 13:00-15:50 Th, M W Alworth Hall 393, In Person Term Based; Imran Hayee ; 4 cr.

2212 Electronics I

(A-F or Audit; Prereq: 2006)

30566 001 LEC, 11:00-11:50 MWF, Chemistry Building 155, In Person Term Based; Stanley Burns ; 4 cr.

30567 002 LAB, 10:00-12:50 Th, M W Alworth Hall 391, In Person Term Based; Stanley Burns ; 4 cr.

30568 003 LAB, 13:00-15:50 Th, M W Alworth Hall 391, In Person Term Based; Stanley Burns ; 4 cr.

2325 Microprocessor Systems

(A-F or Audit; Prereq: 1315)

30569 001 LEC, 8:00-8:50 MWF, M W Alworth Hall 191, In Person Term Based; Christopher Carroll ; 4 cr.

30570 002 LAB, 00:00-00:00 , In Person Term Based; Christopher Carroll ; 4 cr.

3151 Control Systems

(A-F or Audit; Prereq: 2111)

30571 001 LEC, 15:00-15:50 MWF, M W Alworth Hall 191, In Person Term Based; Jiann-Shiou Yang ; 4 cr.

30572 002 LAB, 9:00-11:50 T, M W Alworth Hall 141, In Person Term Based; Jiann-Shiou Yang ; 4 cr.

30610 003 LAB, 13:00-15:50 T, M W Alworth Hall 141, In Person Term Based; Jiann-Shiou Yang ; 4 cr.

3235 Electronics II

(A-F or Audit; Prereq: 2212)

30573 001 LEC, 10:00-10:50 MWF, James I Swenson Sci Bldg 115, In Person Term Based; Hua Tang ; 4 cr.

30574 002 LAB, 9:00-11:50 Th, M W Alworth Hall 293, In Person Term Based; Hua Tang ; 4 cr.

30575 003 LAB, 13:00-15:50 Th, M W Alworth Hall 293, In Person Term Based; Hua Tang ; 4 cr.

3445 Electromagnetic Fields

(A-F or Audit; Prereq: Math 3280, 3298, Phys 2012 or 2015 and 2016)

30576 001 LEC, 9:00-9:50 MWF, Chemistry Building 155, In Person Term Based; Mohammed Heman ; 3 cr.

4305 Computer Architecture

(A-F or Audit; Prereq: 2325)
30577 001 LEC, 14:00-14:50 MWF, M W Alworth Hall 191, In Person Term Based; Taek Kwon ; 4 cr.
30578 002 LAB, 13:00-15:50 Th, M W Alworth Hall 41, In Person Term Based; Taek Kwon ; 4 cr.

4311 Design of Very Large-Scale Integrated Circuits

(A-F or Audit; Prereq: 3235 or instructor consent)
30612 001 LEC, 12:00-12:50 MWF, M W Alworth Hall 291, In Person Term Based; Hua Tang ; 3 cr.

4501 Power Systems

(A-F or Audit; Prereq: 2006; no grad credit)
30662 001 LEC, 12:00-12:50 MWF, Chemistry Building 155, In Person Term Based; Scott Norr ; 4 cr.
30663 002 LAB, 9:00-11:50 T, M W Alworth Hall 291, In Person Term Based; Scott Norr ; 4 cr.
30666 003 LAB, 13:00-15:50 T, M W Alworth Hall 291, In Person Term Based; Scott Norr ; 4 cr.
30667 004 LAB, 9:00-11:50 Th, M W Alworth Hall 291, In Person Term Based; Scott Norr ; 4 cr.
30668 005 LAB, 13:00-15:50 Th, M W Alworth Hall 291, In Person Term Based; Scott Norr ; 4 cr.

4896 Co-op in Electrical Engineering

(S-N or Audit; Prereq: BSEE or MSEE standing in Electrical Engineering, department consent)
30679 001 FWK, 00:00-00:00 , , In Person Term Based; Hua Tang ; 1 cr.
36172 002 FWK, In Person Term Based; Jiann-Shiou Yang ; 1 cr.
36173 003 FWK, In Person Term Based; Stanley Burns ; 1 cr.

4899 Senior Design Project I

(A-F or Audit; Prereq: WRIT 3130, BSECE or BSEE cand, instructor consent; no grad credit, credit will not be granted if already received for 4951)
30613 001 LAB, 00:00-00:00 , , In Person Term Based; Scott Norr ; 1 cr.
30614 002 LAB, 00:00-00:00 , , In Person Term Based; Jing Bai ; 1 cr.
30639 003 LAB, 00:00-00:00 , , In Person Term Based; Imran Hayee ; 1 cr.
30691 004 LAB, 00:00-00:00 , , In Person Term Based; Jiann-Shiou Yang ; 1 cr.
30692 005 LAB, 00:00-00:00 , , In Person Term Based; ; 1 cr.

4951 ECE Design Workshop

(A-F or Audit; Prereq: WRIT 3130 previous or concurrent registration allowed, BSECE or BSEE cand, instructor consent; no Grad credit; credit will not be granted if already received for 4899)
33341 001 LAB, 8:00- 8:50 T, M W Alworth Hall 291, In Person Term Based; Scott Norr ; 4 cr.

4991 Independent Study

(A-F or Audit; Prereq: instructor consent; does not qualify as EE or ECE technical elective)
30579 001 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.
30899 002 IND, Independent/Directed Study; ; 1-3 cr.

4999 Senior Design Project II

(A-F or Audit; Prereq: 4899, instructor consent, no Grad credit; credit will not be granted if already received for 4951)
30615 001 LAB, In Person Term Based; Jiann-Shiou Yang ; 3 cr.
30616 002 LAB, 00:00-00:00 , , In Person Term Based; Jing Bai ; 3 cr.
30631 003 LAB, 00:00-00:00 , , In Person Term Based; ; 3 cr.

5351 Introduction to Robotics and Mobile Robot Control Architectures

(A-F or Audit; Prereq: 3151)
30830 001 LEC, 8:00- 8:50 MWF, Chemistry Building 155, In Person Term Based; George Zimmerman ; 3 cr.

5501 Energy Conversion System

(A-F or Audit; Prereq: Chem 1151 or 1153 and 1154)
30553 001 LEC, 13:00-14:15 TTh, M W Alworth Hall 191, In Person Term Based; Tom Ferguson ; 3 cr.

5741 Digital Signal Processing

(A-F or Audit; Prereq: 2111; credit will not be granted if already received for 4741)
30831 001 LEC, 13:00-13:50 MWF, James I Swenson Sci Bldg 115, In Person Term Based; Mohammed Hasan ; 3 cr.

5765 Modern Communication

(Student Option; Prereq: 2111; credit will not be granted if already received for 4765)

30832 001 LEC, 17:00-18:15 MW, M W Alworth Hall 191, In Person Term Based; Imran Hayee ; 4 cr.
30833 002 LAB, In Person Term Based; Imran Hayee ; 4 cr.
36264 003 LAB, In Person Term Based; Imran Hayee, Miles Pearson ; 4 cr.

8001 Graduate Professional Communication Seminar

(S-N or Audit; Prereq: graduate student)
33344 001 LEC, In Person Term Based; Jing Bai ; 1 cr.

8151 Linear Systems and Optimal Control

(A-F only; Prereq: 3151)
33345 001 LEC, 16:00-16:50 TWTTh, M W Alworth Hall 279, In Person Term Based; Desineni Naidu ; 3 cr.

8222 Master's Plan B Research and Design Project

(S-N only; Prereq: Graduate student, instructor consent; credit will not be granted if already received for 8777)
30581 001 IND, 00:00-00:00 , , Independent/Directed Study; Jing Bai ; 1-3 cr.
30596 002 IND, 00:00-00:00 , , Independent/Directed Study; 1-3 cr.
30664 003 IND, 00:00-00:00 , , In Person Term Based; 1-3 cr.

8333 FTE: Master's

(No Grade Associated; Prereq: Master's student, advisor and DGS consent)
30595 001 IND, 00:00-00:00 , , Independent/Directed Study; 1 cr.

8777 Thesis Credits: Master's

(No Grade Associated; Prereq: Max 18 cr per semester or summer; 10 cr total required (Plan A only))
30582 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-18 cr.
30583 002 IND, 00:00-00:00 , , Independent/Directed Study; 1-18 cr.
30637 003 IND, 00:00-00:00 , , Independent/Directed Study; Imran Hayee ; 1-18 cr.
30638 004 IND, 00:00-00:00 , , Independent/Directed Study; ; 1-18 cr.

Elementary Education (ELED)**4600 Student Teaching**

(S-N or Audit; Prereq: Successful completion of Blocks One, Two, and Three courses and associated field experiences, admission to Student Teaching, no grad credit)
28983 004 FWK, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, Independent/Directed Study; Charles Rick ; 6-12 cr.
28984 005 FWK, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, Independent/Directed Study; Donna Martin ; 6-12 cr.
28985 006 FWK, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, Independent/Directed Study; Eddie Crawford ; 6-12 cr.
28986 007 FWK, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, Independent/Directed Study; Jane Ellen Dietrich ; 6-12 cr.
28987 008 FWK, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, Independent/Directed Study; Kathryn Levine ; 6-12 cr.
29249 001 FWK, 13:30-15:30 F, Montague Hall 151, 13:30-15:30 F, Montague Hall 151, 13:30-15:30 F, Montague Hall 151, 13:30-15:30 F, Montague Hall 151, Independent/Directed Study; Adrea Grocke ; 6-12 cr.
29250 002 FWK, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, Independent/Directed Study; Chang'aa Mwetli ; 6-12 cr.
29304 009 FWK, 13:30-15:30 F, Room TBA, 13:30-14:20 F, Room TBA, 13:30-15:30 F, Room TBA, 13:30-15:30 F, Room TBA, Independent/Directed Study; Jo Ann Luhtala ; 6-12 cr.
37301 003 FWK, 13:30-15:30 F, Room TBA, 13:30-15:30 F, 13:30-15:30 F, 13:30-15:30 F, , Independent/Directed Study; James Sersha ; 6-12 cr.

4650 Student Teaching in Individual Subjects: K-8

(S-N or Audit; Prereq: Art education candidate or music education candidate , or physical education candidate or instructor consent; no grad credit)
29251 001 FWK, Independent/Directed Study; David Edmund, Jian-Jun Chen-Edmund ; 1-6 cr.
29252 002 FWK, Independent/Directed Study; Helen Mongan-Rallis ; 1-6 cr.

Engineering (ENGR)**1222 Introduction to Solid Modeling**

(A-F or Audit; Prereq: Math 1296, Engr 1210 (co-registration allowed))
30502 001 LEC, 10:00-10:50 M, Life Sciences Bldg 175, In Person Term Based; Jose Carrillo ; 2 cr.
30503 002 LAB, 11:00-12:50 T, Engineering Building 204, In Person Term Based; Jose Carrillo ; 2 cr.
30632 003 LAB, 12:00-13:50 W, Engineering Building 204, In Person Term Based; Jose Carrillo ; 2 cr.

Engineering Management (EMGT)**4110 Engineering Professionalism and Practice**

(A-F only; Prereq: WRIT 3130 or 3150 and BSCE or BSEE or BSIE or BSME candidate within 2 semesters of graduation or instructor consent; no grad credit)
30244 001 LEC, 10:00-10:50 T, Chemistry Building 150, In Person Term Based; Heidi Zierden ; 2 cr.
30245 002 LAB, 10:00-11:50 Th, Chemistry Building 150, In Person Term Based; Heidi Zierden ; 2 cr.

5160 Quality Management

(A-F only; Prereq: EMgt student or department approval)
30457 001 LEC, 18:00-20:40 T, Engineering Building 118, Partially Online; Meets With: 001 CHE 5193; Moe Benda ; 3 cr.
33366 002 LEC, Completely Online; Moe Benda ; 3 cr.

5250 Legal, Ethical and Environmental Issues in Engineering

(A-F only; Prereq: EMgt student or engineering candidate or department approval)
33378 001 LEC, 18:00-20:40 W, Voss-Kovach Hall 115, In Person Term Based; Brett Ballavance ; 3 cr.
33379 002 LEC, Completely Online; Brett Ballavance ; 3 cr.

5991 Independent Study in Engineering Management

(Student Option; Prereq: MSEM cand, department approval)
30889 001 IND, Independent/Directed Study; Hongyi Chen ; 1-4 cr.
30896 002 IND, Independent/Directed Study; ; 1-4 cr.
30902 003 IND, Independent/Directed Study; Michael Greminger ; 1-4 cr.

8310 Project Methodology and Practice

(A-F only; Prereq: 5110, 5120, 5130, 5160)
33381 001 FWK, In Person Term Based; ; 3 cr.

8333 FTE: Master's

(No Grade Associated; Prereq: Master's student, advisor and DGS consent)
33382 001 IND, In Person Term Based; 1 cr.

8777 Thesis Credits: Master's

(No Grade Associated; Prereq: Max 18 cr per semester or summer; 10 cr total required (Plan A only))
30347 002 IND, 00:00-00:00 , , Independent/Directed Study; Tarek Al-Geddawy ; 1-18 cr.
30383 001 IND, 00:00-00:00 , , Independent/Directed Study; Hongyi Chen ; 1-18 cr.
30456 821 IND, 00:00-00:00 , , Independent/Directed Study; Alison Hoxie ; 1-18 cr.
30512 823 IND, 00:00-00:00 , , Independent/Directed Study; Michael Greminger ; 1-18 cr.

8993 Engineering Management Seminar

(S-N only; Prereq: Grad student, department approval)
33384 001 LEC, 12:00-12:50 W, Chemistry Building 150, In Person Term Based; Meets With: 001 IE 4993001 ME 8993; Puttagounder Dhanasekaran Swaminathan ; 1 cr.

8994 Directed Research

(Student Option; Prereq: MSEM or grad student, department approval)
30585 001 IND, 00:00-00:00 , , Independent/Directed Study; Hongyi Chen ; 1-8 cr.

English (ENGL)**1001 Great American Authors**

(A-F or Audit; HUMANITIES)

29851 001 LEC, 8:00- 9:15 TTh, Ed Endazhigikino'amaading 32, In Person Term Based; John Schwetman ; 3 cr.

1582 Introduction to World Literatures

(A-F or Audit; HUMANITIES,GLOBAL PER)

29435 001 LEC, 8:00- 9:50 TTh, A B Anderson Hall 245, In Person Term Based; Kelly MacPhail ; 4 cr.
29529 002 LEC, 11:00-12:50 TTh, Ed Endazhigikino'amaading 16, In Person Term Based; Katie Van Wert ; 4 cr.**1907 Introduction to Literature**

(A-F or Audit; Prereq: Primarily for nonmajorsHUMANITIES)

29486 001 LEC, 12:00-12:50 MWF, Ed Endazhigikino'amaading 16, In Person Term Based; Katherine Basham ; 3 cr.

2571 Contemporary Literature

(A-F or Audit; GLOBAL PER,HUMANITIES)

29439 001 LEC, 13:00-14:50 MW, Bohannon Hall 346, In Person Term Based; Paula Derdiger ; 4 cr.

3115 Writing Fiction

(A-F or Audit; Prereq: WRIT 1120, minimum 60 credits (6 credits literature) or instructor consent)

29697 001 LEC, 8:00- 9:50 MW, Bohannon Hall 343, In Person Term Based; Katie Van Wert ; 4 cr.

3333 Children's Literature: Texts and Contexts

(A-F or Audit;)

33035 001 LEC, 15:00-16:50 TTh, M W Alworth Hall 397, In Person Term Based; Carolyn Sigler ; 4 cr.

3501 British Literature I

(A-F or Audit; Prereq: Engl major or minor or teach comm art/lit major or minor or elem-middle educ comart/lit specializationHUMANITIES)

29512 001 LEC, 11:00-12:50 TTh, Chemistry Building 155, In Person Term Based; Paul Cannan ; 4 cr.

3563 American Literature I

(A-F or Audit; HUMANITIES,CDIVERSITY)

29436 001 LEC, 8:00- 9:50 MW, Humanities Building 480, In Person Term Based; Rochelle Zuck ; 4 cr.

3573 Survey of African American Literature

(A-F or Audit; HUMANITIES,CDIVERSITY)

33033 001 DIS, 16:00-17:50 MW, Bohannon Hall 108, In Person Term Based; Hilary Kowino ; 4 cr.

3906 Methods of Literary Study

(A-F or Audit; Prereq: WRIT 1120, English major or Teaching Comm Art/Lit major or instructor consent)

29437 001 LEC, 14:00-15:50 MW, Bohannon Hall 343, In Person Term Based; Evan Brier ; 4 cr.

4097 Internship for English Majors

(S-N only; Prereq: minimum 60 credits, instructor consent; no grad credit)

29528 001 FWK, Independent/Directed Study; Evan Brier ; 1-4 cr.

4292 Literature into Film

(A-F or Audit; Prereq: Minimum 60 credits (6 credits literature) or instructor consent)

29833 001 LEC, 16:00-17:50 MW, Humanities Building 464, In Person Term Based; Paula Derdiger ; 4 cr.

4802 English Language for Educators

(A-F or Audit; Prereq: LING 1811; no grad credit; credit will not be granted if already received for LING 4802)

29564 001 LEC, 15:00-16:50 TTh, Humanities Building 484, In Person Term Based; Meets With: 001 ENGL 5802; Christopher Johnson ; 4 cr.

4902 Teaching Language, Cognition, and Writing

(A-F only; Prereq: Teachin Comm Art/Lit major or instructor consent, no grad credit; credit will not be granted if already received for ENGL 5902)

29758 001 LEC, 10:00-11:50 MW, Bohannon Hall 112, In Person Term Based; Meets With: 001 ENGL 5902; Burke Scarbrough ; 4 cr.

4909 Senior Portfolio

(S-N or Audit; Prereq: English major, senior, instructor consent)

29879 003 IND, Independent/Directed Study; Paul Cannan ; 1 cr.

29883 007 LEC, Independent/Directed Study; Burke Scarbrough ; 1 cr.

37193 006 IND, Independent/Directed Study; Krista Twu ; 1 cr.

37194 008 IND, Independent/Directed Study; Paula Derdiger ; 1 cr.

4922 Teaching Literature and Communication

(S-N only; Prereq: Teaching Comm Art/Lit major or instructor consent, no grad credit; credit will not be granted if already received for ENGL 5922.)

29757 001 LEC, 12:00-13:50 MW, A B Anderson Hall 235, In Person Term Based; Burke Scarbrough ; 4 cr.

5270 Digital Literature, Video Games and Online Culture

(A-F or Audit;)

33052 001 DIS, 11:00-12:50 TTh, Heller Hall 216, In Person Term Based; Craig Stroupe ; 4 cr.

5572 American Renaissance

(A-F or Audit; Prereq: 6 credits literature)

33036 001 LEC, 11:00-12:50 MW, Engineering Building 177, In Person Term Based; Rochelle Zuck ; 4 cr.

5663 Readers and the History of Books

(A-F or Audit; Prereq: Junior or senior or grad student or instructor consent)

34408 001 LEC, 9:00-10:50 TTh, Darland Admin Bldg 16A, In Person Term Based; Carolyn Sigler ; 4 cr.

5821 History of the English Language

(A-F or Audit;)

33030 001 LEC, 11:00-12:50 MW, Cina Hall 214, In Person Term Based; Krista Twu ; 4 cr.

5902 Teaching Language, Cognition, and Writing

(A-F only; Prereq: grad student or instructor consent; credit will not be granted if already received for ENGL 4902)

29762 001 LEC, 10:00-11:50 MW, Bohannon Hall 112, In Person Term Based; Meets With: 001 ENGL 4902; Burke Scarbrough ; 4 cr.

8094 Plan B Research (DRS)

(S-N only; Prereq: instructor consent)

29874 001 IND, Independent/Directed Study; Joshua Bernstein ; 1 cr.

29876 002 IND, Independent/Directed Study; Paul Cannan ; 1 cr.

8333 FTE: Master's

(No Grade Associated; Prereq: Master's student, adviser and DGS consent)

29468 001 IND, In Person Term Based; 1 cr.

8906 Introduction to Critical Theory

(A-F or Audit; Prereq: Grad Student)

29438 001 LEC, 15:00-16:50 TTh, Solon Campus Center 6, In Person Term Based; Craig Stroupe ; 4 cr.

8931 Practicum in Teaching Literature

(A-F or Audit; Prereq: 8 credit grad-level literature or instructor consent)

29473 001 FWK, Independent/Directed Study; 1-4 cr.

Environment and Sustainability (ES)**1001 Introductory Seminar**

(A-F only;)

29538 001 LEC, 14:00-14:50 TTh, Solon Campus Center 120, In Person Term Based; Michael Mageau ; 2 cr.

3100 Sustainable Food Systems

(A-F only; SUSTAIN)

29635 001 LEC, 18:00-20:30 W, Cina Hall 316, In Person Term Based; Randel (Randy) Hanson ; 3 cr.

3200 Environmental and Ecological Justice

(A-F or Audit;)

29854 001 LEC, 13:00-13:50 F, ONLINE, 13:00-13:50 MW, Cina Hall 316, Primarily Online; Nathan Clough ; 3 cr.

3500 Ecological Economics

(A-F only; Prereq: [ES or URS major] and [Econ 1022 or Econ 1023] or instructor consent)

29616 001 LEC, 9:30-10:45 TTh, Kirby Plaza 312, In Person Term Based; Michael Mageau ; 3 cr.

4091 Independent Study

(A-F only; Prereq: 60 credits, instructor consent; no grad credit; credit will not be granted if already received for ES 4001)

29469 001 IND, 00:00-00:00 , , Independent/Directed Study; Michael Mageau ; 1-3 cr.

33240 002 IND, Independent/Directed Study; Randel (Randy) Hanson ; 1-3 cr.

Environmental Education (ENED)**1000 Introduction to Environmental and Outdoor Education**

(A-F or Audit; Prereq: Credit will not be granted if already received for REC 1000)

29049 001 LEC, 12:00-12:50 TTh, Sports and Health Center 210, In Person Term Based; Matti Erpestad ; 4 cr.

1201 Outdoor Skills I

(A-F or Audit; Prereq: credit will not be granted if already received for REC 1201)

28873 001 LAB, 14:00-17:00 Th, Sports and Health Center 9, In Person Term Based; Meets With: 001 ENED 1203; Gregory Petry ; 2 cr.

1203 Outdoor Skills I

(A-F or Audit; Prereq: Environmental and Outdoor ed major or minor; credit will not be granted if already received for REC 1203)

28901 001 LAB, 14:00-17:00 Th, Sports and Health Center 9, In Person Term Based; Meets With: 001 ENED 1201; Gregory Petry ; 2 cr.

2000 Technology in Outdoor Education

(A-F or Audit; Prereq: Environmental and Outdoor Education major or instructor consent)

29124 001 LEC, 17:30-20:30 Th, Montague Hall 209, 17:30-20:30 Th, Kirby Plaza 143, In Person Term Based; Ryan Hueffmeier ; 3 cr.

3330 Outdoor Recreation

(A-F or Audit; Prereq: ENED 2300 or instructor consent; credit will not be granted if already received for REC 3330)

28955 001 LEC, 9:00-11:50 Th, Sports and Health Center 9A, In Person Term Based; Gregory Petry ; 3 cr.

3341 Field Interpretive Techniques I

(A-F or Audit; Prereq: credit will not be granted if already received for REC 3341)

28874 001 LEC, 14:00-17:00 W, Sports and Health Center 9, In Person Term Based; Matti Erpestad ; 3 cr.
28959 002 LEC, 14:00-17:00 W, Sports and Health Center 9A, In Person Term Based; Timothy Bates ; 3 cr.**4163 Outdoor Education Methods**

(A-F or Audit; Prereq: ENED 3342 or instructor consent; credit will not be granted if already received for EDUC 4163)

29048 001 LEC, 14:00-17:00 Th, Sports and Health Center 9A, In Person Term Based; Meets With: 001 ENED 5163; Matti Erpestad, Timothy Bates ; 3 cr.

4300 Therapeutic Applications of Outdoor Education

(A-F or Audit; Prereq: Minimum 30 credits, no grad credit)

29280 001 LEC, 11:00-12:50 W, Room TBA, 12:00-12:50 M, Sports and Health Center 9, In Person Term Based; Gregory Petry ; 3 cr.

4315 Operations and Management

(A-F or Audit; Prereq: ENED 2300 or instructor consent)

28875 001 LEC, 8:00- 8:50 MTWTh, Sports and Health Center 9A, In Person Term Based; Ken Gilbertson ; 4 cr.

4410 Ropes Course Management

(A-F or Audit; Prereq: ENED 2300 or instructor consent, no grad credit; credit will not be granted if already received for Rec 4410)

29021 001 LEC, 14:30-17:20 T, Room TBA, 14:30-17:20 T, Sports and Health Center 9A, In Person Term Based; Gregory Petry ; 3 cr.

4601 Wilderness Philosophy

(Student Option; Prereq: No grad credit; credit will not be granted if already received for Educ 4601)

28954 001 LEC, 18:00-20:00 M, Sports and Health Center 9,
In Person Term Based; Matti Erpestad ; 2 cr.

4991 Independent Study

(A-F or Audit; Prereq: instructor consent; no grad credit)
28876 001 IND, Independent/Directed Study; Julie Ernst ; 1-4 cr.
29044 002 IND, Independent/Directed Study; Matti Erpestad ; 1-4 cr.
32078 003 IND, In Person Term Based; Ken Gilbertson ; 1-4 cr.

4992 Readings in Recreation

(A-F or Audit; Prereq: instructor consent; no grad credit)
32080 002 IND, In Person Term Based; Matti Erpestad ; 1-4 cr.

4996 Outdoor Education Internship

(S-N or Audit; Prereq: Environmental and Outdoor education major, instructor consent; no grad credit; credit will not be granted if already received for Rec 4996)
32093 003 FWK, In Person Term Based; Ken Gilbertson ; 12 cr.

4997 Recreation Practicum

(S-N only; Prereq: ENED 4163, PETE 3508 and instructor consent; no grad credit; credit will not be granted if already received for REC 4997)
32096 001 FWK, In Person Term Based; Julie Ernst ; 3 cr.

5100 Research Design and Methods in the Social Sciences

(A-F or Audit; Prereq: graduate student or instructor consent)
29111 001 LEC, 9:00-11:50 T, Sports and Health Center 9A,
In Person Term Based; Julie Ernst ; 3 cr.

5163 Outdoor Education Methods

(A-F or Audit; Prereq: MEd candidate or instructor consent)
29136 001 LEC, 14:00-17:00 Th, Sports and Health Center 9A, In Person Term Based; Meets With: 001 ENED 4163; Matti Erpestad, Timothy Bates ; 3 cr.

5165 Theories and Models in Outdoor Education

(A-F or Audit; Prereq: instructor consent; credit will not be granted if already received for Educ 5165)
29010 001 LEC, 9:00-10:50 F, Sports and Health Center 9, In Person Term Based; Ken Gilbertson ; 2 cr.

5850 Classroom Applications

(A-F or Audit; Prereq: MEd candidate or instructor consent)
29113 001 LEC, 9:00-10:50 M, Sports and Health Center 9,
In Person Term Based; Julie Ernst ; 2 cr.

5990 Research Project

(S-N only; Prereq: Instructor consent)
29137 001 IND, Independent/Directed Study; Julie Ernst ; 1-6 cr.
29138 003 IND, Independent/Directed Study; Ken Gilbertson ; 1-6 cr.
34892 002 IND, In Person Term Based; Randel (Randy) Hanson ; 1-6 cr.

5991 Independent Study

(A-F or Audit; Prereq: Certificate or Masters Environmental Education student, instructor consent)
32099 003 IND, In Person Term Based; Ken Gilbertson ; 1-6 cr.

Environmental Science (ESCI)

2210 Environmental Characterization and Monitoring

(A-F or Audit; Prereq: GEOL 1110 and (CHEM 1155 or 1162))
30296 001 LEC, 10:00-10:50 MWF, Kirby Plaza 312, In Person Term Based; Christina Gallup ; 4 cr.
30680 002 LAB, 14:00-16:50 W, Heller Hall 114, In Person Term Based; Christina Gallup ; 4 cr.
30681 003 LAB, 13:00-15:50 F, Heller Hall 114, In Person Term Based; Christina Gallup ; 4 cr.

3201 Mineral Resources

(A-F or Audit; Prereq: MATH 1290 or 1296 or 1596 and PHYS 1001 or 2013 or 2017 or instructor consent)
30622 001 LEC, 8:00- 8:50 MWF, Swenson Civil Engineering 265, In Person Term Based; Paul Burley ; 3 cr.

3296 Internship in Environmental Science (S-N only; Prereq: Environmental Science major and instructor consent)

33095 002 FWK, In Person Term Based; Christina Gallup ; 1-2 cr.
33098 005 FWK, In Person Term Based; John Swenson ; 1-2 cr.

Exercise Science Athletic Trng (ESAT)

2400 Applied Exercise Science

(A-F or Audit; Prereq: Pre pe major or coaching minor; credit will not be granted if already received for PEP 3035 or CC 3101)
29050 001 LEC, 9:00- 9:50 MWF, Sports and Health Center 207, In Person Term Based; Charla Buxbaum ; 3 cr.

3200 Motor Learning and Development

(A-F or Audit; Prereq: Minimum 60 credits, Athletic training or Exercise Science or Physical Education major or instructor consent)
28895 001 LEC, 9:00- 9:50 MWF, Engineering Building 280, Partially Online; June Lee ; 5 cr.
28896 002 LAB, 14:00-15:15 T, Sports and Health Center 205, In Person Term Based; June Lee ; 5 cr.
28897 003 LAB, 15:30-16:45 T, Sports and Health Center 205, In Person Term Based; June Lee ; 5 cr.

3210 Exercise Adherence

(A-F or Audit; Prereq: Minimum 60 credits, Exercise Science major or instructor consent)
28992 001 LEC, 11:00-11:50 MWF, Sports and Health Center 210, In Person Term Based; June Lee ; 3 cr.

3300 Human Biomechanics

(A-F or Audit; Prereq: HLTH 2030, PHYS 1001, minimum 60 credits, Exercise Science major or instructor consent)
28894 001 LEC, 14:00-14:50 MWF, Sports and Health Center 207, In Person Term Based; Morris Levy ; 4 cr.
28943 002 LAB, 8:00- 9:15 T, Sports and Health Center 205, 8:00- 9:15 T, Ward Wells Field House 25, In Person Term Based; Morris Levy ; 4 cr.
28944 003 LAB, 9:30-10:45 T, Sports and Health Center 205, 9:30-10:45 T, Ward Wells Field House 25, In Person Term Based; Morris Levy ; 4 cr.

3400 Exercise Physiology

(A-F or Audit; Prereq: HLTH 2040 or PHSL 3011, minimum 60 credits, Exercise Science major, or instructor consent)
28867 001 LEC, 10:00-10:50 MWF, Montague Hall 203, In Person Term Based; John Keener ; 4 cr.
28868 002 LAB, 14:00-15:15 Th, Sports and Health Center 201, In Person Term Based; John Keener ; 4 cr.
28869 003 LAB, 15:30-16:45 Th, Sports and Health Center 201, In Person Term Based; John Keener ; 4 cr.

3410 Performance Nutrition and Weight Management

(A-F or Audit; Prereq: Hlth 1470, minimum 60 credits, Athletic Training or Exercise Science major or instructor consent prereq: Hlth 1470, minimum 60 credits, Athletic Training or Exercise Science major or instructor consent)
28932 001 LEC, 12:00-12:50 MWF, Sports and Health Center 208, In Person Term Based; Ambria Crusan ; 4 cr.
29061 002 LAB, 8:00- 9:15 Th, Sports and Health Center 205, In Person Term Based; Ambria Crusan ; 4 cr.
29095 003 LAB, 9:30-10:45 Th, Sports and Health Center 205, In Person Term Based; Ambria Crusan ; 4 cr.

3420 Exercise Testing and Prescription

(A-F or Audit; Prereq: 3400, Exercise Science major or instructor consent)
28945 001 LEC, 10:00-10:50 MWF, Sports and Health Center 207, 10:00-10:50 MWF, Ward Wells Field House 25, In Person Term Based; Kelley Holmes ; 4 cr.
28946 002 LAB, 8:00- 9:15 Th, Sports and Health Center 201, In Person Term Based; Kelley Holmes ; 4 cr.
28988 003 LAB, 9:30-10:45 Th, Sports and Health Center 201, In Person Term Based; Kelley Holmes ; 4 cr.

3430 Principles of Strength and Conditioning Programs

(A-F or Audit; Prereq: 3400, Exercise Science major or instructor consent)
29034 002 LAB, 8:00- 9:15 Th, Sports and Health Center 209, In Person Term Based; Charles Fountaine ; 4 cr.
29035 001 LEC, 8:00- 8:50 TWF, Sports and Health Center 207, In Person Term Based; Charles Fountaine ; 4 cr.

29046 003 LAB, 8:00- 9:15 M, Sports and Health Center 29, In Person Term Based; Charles Fountaine ; 4 cr.

3440 Clinical Exercise Physiology

(A-F or Audit; Prereq: 3420, Exercise Science major or instructor consent)
29036 001 LEC, 12:00-12:50 MWF, Sports and Health Center 207, In Person Term Based; Kelley Holmes ; 5 cr.
29037 002 LAB, 11:00-11:50 TTh, Sports and Health Center 201, 11:00-11:50 Th, Sports and Health Center 207, 11:00-11:50 TTh, Sports and Health Center 205, In Person Term Based; Donald Hermanson ; 5 cr.
29038 003 LAB, 12:00-12:50 TTh, Sports and Health Center 201, 12:00-12:50 TTh, Sports and Health Center 205, In Person Term Based; 5 cr.
29047 004 DIS, 9:30-10:20 T, Sports and Health Center 207, In Person Term Based; Kristine Stave ; 5 cr.

4700 Statistics and Research Methods in Exercise Science

(A-F or Audit; Prereq: 12 cr from 3200, 3300, 3400, 3410, Exercise Science major, no grad credit)
28941 001 LEC, 11:00-11:50 MTWF, Sports and Health Center 207, In Person Term Based; Kelley Holmes ; 4 cr.

4710 Applied and Experimental Exercise Science

(A-F or Audit; Prereq: 3200, 3300, 3400, 3410, 4700, Exercise Science major or instructor consent; no grad credit)
29085 001 LEC, 13:00-14:50 MW, Sports and Health Center 205, 13:00-14:50 MW, Sports and Health Center 201, In Person Term Based; Charles Fountaine ; 4 cr.

4996 Internship

(S-N or Audit; Prereq: 3420, Exercise Science major, instructor consent; no grad credit)
28866 001 FWK, Independent/Directed Study; Kelley Holmes ; 3-12 cr.

Family Medicine (FMED)

5591 Independent Study

(Student Option; Prereq: department consent)
30919 001 LAB, 00:00-00:00 , , In Person Term Based; Ruth Westra ; 1-8 cr.

6441 Community Clinical Medicine

(P-N only; Prereq: Regis med student)
30913 001 FWK, 8:00-17:00 MTWThF, School of Medicine 130, In Person Term Based; Ryan Harden, Ruth Westra ; 1 cr.

6462 Family Medicine Preceptorship

(P-N or Audit; Prereq: Regis med student)
32920 001 FWK, Independent/Directed Study; Emily Onello ; 3 cr.

6957 Medical Education for Diversity and Service

(P-N only; Prereq: UMD Med School student)
32922 001 DIS, In Person Term Based; Ruth Westra ; 1 cr.

6967 The Healer's Art

(P-N or Audit; Prereq: Regis med student)
30922 001 DIS, 00:00-00:00 , , In Person Term Based; Jen Pearson ; 1 cr.

6987 Obstetrical Longitudinal Course

(P-N or Audit; Prereq: Preregis med, instructor consent, cannot be concurrently registered for FMED 6977)
32921 001 LEC, In Person Term Based; Jen Pearson, Ruth Westra ; 1 cr.

6997 Rural Academy of Leadership

(P-N only; Prereq: Preregis med, instructor consent)
30928 001 LEC, 00:00-00:00 , , In Person Term Based; Ruth Westra, Raymond Christensen ; 1 cr.

7100 Clinical Family Medicine

(P-N or Audit; Prereq: department consent)
30904 001 FWK, 00:00-00:00 , , In Person Term Based; Ruth Westra ; 13 cr.

Finance & Management Info (FMIS)

2201 Information Technology in Business

(A-F or Audit; Prereq: LSBE major or minor student or Graphic Design and Marketing major or Computer Information Systems majors or minors, minimum 15 credits or college consent)

- 31044 001 LEC, 9:00- 9:50 MWF, Labovitz Schl Bus & Econ 118, In Person Term Based; Seung Lee ; 3 cr.
31045 003 LEC, 14:00-15:15 TTh, Labovitz Schl Bus & Econ 118, In Person Term Based; Rand Obeidat ; 3 cr.
31047 002 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 118, In Person Term Based; Seung Lee ; 3 cr.

3141 Business Communications

(A-F or Audit; Prereq: LSBE candidate or Economics major or college consent)

- 30957 001 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 165, Partially Online; Junhua Wang ; 3 cr.
30958 002 LEC, 12:00-12:50 MWF, Labovitz Schl Bus & Econ 165, Partially Online; Junhua Wang ; 3 cr.
30988 003 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 165, Partially Online; Junhua Wang ; 3 cr.
30989 004 LEC, 9:30-10:45 TTh, Labovitz Schl Bus & Econ 165, Partially Online; Jack Hennes ; 3 cr.
31005 005 LEC, 11:00-12:15 TTh, Labovitz Schl Bus & Econ 165, Partially Online; Jack Hennes ; 3 cr.
36697 006 LEC, 8:00- 9:15 TTh, Labovitz Schl Bus & Econ 237, Partially Online; Jack Hennes ; 3 cr.

3220 Database Management and Design

(A-F only; Prereq: 2201 or CS 1121 or CS 1511, LSBE candidate or non-LSBE MIS minor or college consent)

- 30981 001 LEC, 9:00- 9:50 MWF, Labovitz Schl Bus & Econ 237, In Person Term Based; Dahui Li ; 3 cr.

3222 Systems Analysis and Design

(A-F or Audit; Prereq: 2201, LSBE candidate or non-LSBE MIS minor or college consent)

- 33371 001 LEC, 9:30-10:45 TTh, Labovitz Schl Bus & Econ 237, In Person Term Based; Rand Obeidat ; 3 cr.

3224 Data Communications and Computer Networks

(A-F or Audit; Prereq: 3201 or 2201 or CS 1121 or CS 1511, LSBE candidate or college consent)

- 33372 001 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 265, In Person Term Based; Dahui Li ; 3 cr.

3232 Computer Programming for Business

(A-F or Audit; Prereq: 2201 or 3201, 3220 or concurrently, LSBE candidate or college consent)

- 31073 001 LEC, 12:00-12:50 MWF, Labovitz Schl Bus & Econ 237, In Person Term Based; Seung Lee ; 3 cr.

3295 Special Topics: (Various Titles to be Assigned)

(A-F or Audit; Prereq: LSBE candidate or department approval)

- 34638 001 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 237, In Person Term Based; Dahui Li ; 1-4 cr.

3297 MIS Internship

(A-F or Audit; Prereq: LSBE Candidate, prior major coursework, consent of Internship Director; credit will not be granted if already received for FMIS 3397.)

- 31135 001 FWK, Independent/Directed Study; Angie Soderberg ; 1-6 cr.

3601 Corporate Finance

(A-F or Audit; Prereq: LSBE candidate or approved non-LSBE business administration minor or approved Finance minor or college consent)

- 30980 002 LEC, 8:00- 8:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 001 FMIS 3601; Nga Trinh ; 3 cr.
30990 003 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 004 FMIS 3601; Nga Trinh ; 3 cr.
30991 004 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 003 FMIS 3601; Nga Trinh ; 3 cr.
31008 005 LEC, 9:30-10:45 TTh, Labovitz Schl Bus & Econ 135, In Person Term Based; Meets With: 006 FMIS 3601; Brian Yang ; 3 cr.
31009 006 LEC, 9:30-10:45 TTh, Labovitz Schl Bus & Econ 135, In Person Term Based; Meets With: 005 FMIS 3601; Brian Yang ; 3 cr.
31025 007 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 125, In Person Term Based; Meets With: 008 FMIS 3601; Brian Yang ; 3 cr.
31026 008 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 125, In Person Term Based; Meets With: 007 FMIS 3601; Brian Yang ; 3 cr.

- 31046 001 LEC, 8:00- 8:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 002 FMIS 3601; Nga Trinh ; 3 cr.

- 31062 009 LEC, 15:30-16:45 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 010 FMIS 3601; Brian Yang ; 3 cr.

- 31063 010 LEC, 15:30-16:45 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 009 FMIS 3601; Brian Yang ; 3 cr.

3612 Managerial Finance

(A-F or Audit; Prereq: 3601, LSBE candidate or approved Finance minor or college consent)

- 30959 001 LEC, 13:00-13:50 MWF, Labovitz Schl Bus & Econ 135, In Person Term Based; Nga Trinh ; 3 cr.

3644 Investment Fundamentals

(A-F or Audit; Prereq: 3601, LSBE candidate or approved finance minor or college consent)

- 30960 001 LEC, 13:00-13:50 MWF, Labovitz Schl Bus & Econ 225, In Person Term Based; Joe Artim ; 3 cr.

- 31057 002 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 225, In Person Term Based; Joe Artim ; 3 cr.

3645 Financial Modeling and Valuation

(A-F or Audit;)

- 33376 001 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 237, In Person Term Based; Jason Turkiela ; 3 cr.

3647 Financial Markets and Institutions

(A-F or Audit; Prereq: 3601, LSBE candidate or approved Finance minor or college consent)

- 30961 001 LEC, 12:00-12:50 MWF, Labovitz Schl Bus & Econ 233, In Person Term Based; Jason Turkiela ; 3 cr.

- 33374 002 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 233, In Person Term Based; Jason Turkiela ; 3 cr.

3649 International Finance

(A-F or Audit; Prereq: 3601, LSBE candidate or Finance minor or college consent)

- 30962 001 LEC, 8:00- 9:15 TTh, Labovitz Schl Bus & Econ 233, In Person Term Based; Manjeet Dhatt ; 3 cr.

- 31060 002 LEC, 9:30-10:45 TTh, Labovitz Schl Bus & Econ 265, In Person Term Based; Manjeet Dhatt ; 3 cr.

3655 Risk Management and Insurance

(A-F or Audit; Prereq: 3601, LSBE candidate or approved Finance minor or instructor consent)

- 31058 001 LEC, 16:00-17:15 MW, Labovitz Schl Bus & Econ 135, In Person Term Based; Nga Trinh ; 3 cr.

3691 Independent Study Finance

(A-F only; Prereq: department consent)

- 33375 001 IND, Independent/Directed Study; Dahui Li ; 1-3 cr.

3697 Finance Internship

(A-F or Audit; Prereq: LSBE candidate, prior major coursework and consent of internship director; credit will not be granted if already received for FMIS 3397)

- 30983 001 FWK, Independent/Directed Study; Angie Soderberg ; 1-6 cr.

4220 Medical Informatics

(A-F or Audit; Prereq: 2201 or 3201, LSBE candidate or college consent, no grad credit)

- 31059 001 LEC, 15:00-15:50 MWF, Labovitz Schl Bus & Econ 237, In Person Term Based; Rand Obeidat ; 3 cr.

4615 Derivative Securities

(A-F or Audit; Prereq: 3644, LSBE candidate or Finance minor with 60 credits or grad student or college consent)

- 31019 001 LEC, 14:00-15:15 TTh, Labovitz Schl Bus & Econ 265, In Person Term Based; Manjeet Dhatt ; 3 cr.

4616 Security Analysis

(A-F or Audit; Prereq: 3644, Acct 3101 or FMIS 3619, Financial Markets major or minor; no grad credit)

- 31006 001 LEC, 9:30-10:45 TTh, Labovitz Schl Bus & Econ 112, In Person Term Based; Joe Artim ; 3 cr.

4620 Portfolio Theory and Analysis

(A-F or Audit; Prereq: Financial Markets major or minor; no grad credit)

- 31016 001 LEC, 11:00-12:15 TTh, Labovitz Schl Bus & Econ 112, In Person Term Based; Joe Artim ; 3 cr.

(Student Option;)

- 36786 001 LEC, Study Abroad; 1-20 cr.

Foreign Studies (FORS)**1100 International Education**

(Student Option;)

- 28686 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

1101 International Education

(Student Option;)

- 28687 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

1102 International Education

(Student Option;)

- 28688 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

1103 International Education

(Student Option;)

- 28689 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

1104 International Education

(Student Option;)

- 28690 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

1105 International Education

(Student Option;)

- 28691 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

1106 International Education

(Student Option;)

- 28692 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

1107 International Education

(Student Option; Prereq: Admission to an approved study abroad course requires consent from the International Education Office.)

- 28693 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

1108 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

- 28694 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

1109 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

- 28695 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

Foreign Studies (FST)**1120 Study Abroad: Non-affiliate program**

(Student Option; Prereq: This course represents academic credit pursued at locations external to the University of Minnesota through the UMD Study Abroad Program or its affiliated programs. UMD Study Abroad programs and related coursework provide students the opportunity to increase their knowledge, cognitive complexity, self-realization, relational interdependence, humanitarianism, and build new life skills. Through Study Abroad programs students will prepare for their roles and responsibilities as global citizens. Visit the UMD Study Abroad office for more information about programs, guidance, and support. pre-req: Reserved for participants in Study Abroad program(s). Students require approval from the Study Abroad office to drop this course. Please contact your study abroad coordinator, <http://www.d.umn.edu/study-abroad/>)

- 36792 001 LEC, Study Abroad; 0 cr.

Foreign Studies (FORS)**1900 Study Liberal Arts in Galway Ireland**

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

Foreign Studies (FST)**1001 Study Abroad UMD, Co-sponsored or Affiliate program**

28829 001 LEC, Study Abroad; 1-20 cr.

Foreign Studies (FST)**1953 Study in Worcester**

(Student Option; Prereq:)

28837 001 LEC, Study Abroad; 1-20 cr.

Foreign Studies (FORS)**2200 International Education**

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28696 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

2201 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28697 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

2202 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28698 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

2203 International Education

(Student Option; Prereq:)

28699 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

2204 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28700 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 0.5-20 cr.

2205 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28701 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

2206 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28702 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

2207 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28703 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

2208 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28704 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

2209 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28705 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

3131 International Student Teaching

(S-N only; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28685 001 LEC, 00:00-00:00 , , Study Abroad; James Sersha ; 1-20 cr.

3300 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28706 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

3301 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28707 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

3302 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28708 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

3303 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28709 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

3304 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28710 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

3305 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the Office of International Education.)

28711 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

3306 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28712 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

3307 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28713 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

3308 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28714 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

Foreign Studies (FST)**3848 Global Studies**

(Student Option; Prereq: Admission to an approved study abroad program. Required consent from the International Education Office.)

28679 001 LEC, 00:00-00:00 , , Study Abroad; Leigh Neys ; 1-20 cr.

Foreign Studies (FORS)**4400 International Education**

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28715 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

4401 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28716 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

4402 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28717 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

4403 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28718 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

4404 International Education

(Student Option; Prereq: Admission to an approved study abroad course requires consent from the International Education Office.)

28719 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

4405 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28720 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

4406 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28721 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

4407 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28722 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

4408 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28723 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

4409 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28724 001 LEC, 00:00-00:00 , , Study Abroad; Lyndsey Andersen ; 1-20 cr.

5500 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28838 001 LEC, Study Abroad; Lyndsey Andersen ; 1-20 cr.

5501 International Education

(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)

28839 001 LEC, Study Abroad; Lyndsey Andersen ; 1-20 cr.

French (FR)**1101 Beginning French I**

(A-F or Audit; Prereq: Little or no prior formal study of this language, or instructor consent(COMM & LAN) 29556 002 LEC, 10:00-10:50 MTWTh, Bohannon Hall 108, In Person Term Based; Jill Gaeta ; 4 cr.

29574 001 LEC, 8:00- 8:50 MTWTh, Humanities Building 464, In Person Term Based; Dana Lindaman ; 4 cr.
29609 003 LEC, 15:00-15:50 MTWTh, Humanities Building 464, In Person Term Based; Jill Gaeta ; 4 cr.**1201 Intermediate French I**(A-F or Audit; Prereq: 3-4 yrs high school French or 1102 or instructor consent(COMM & LAN) 29433 001 LEC, 12:00-12:50 MTWTh, Ed Endazhigikino'amaading 20, In Person Term Based; Jill Gaeta ; 4 cr.
29610 002 LEC, 15:00-15:50 MTWTh, Ed Endazhigikino'amaading 50, In Person Term Based; Milan Kovacovic ; 4 cr.**2301 Advanced French**

(A-F or Audit; Prereq: 5 years high school french or 1202 or instructor consent(COMM & LAN) 29602 001 LEC, 12:00-12:50 MTWTh, Humanities Building 490, In Person Term Based; Milan Kovacovic ; 4 cr.

3305 French Cuisine: Exploring French Culture Through Food

(A-F or Audit; GLOBAL PER.HUMANITIES) 32947 001 LEC, 18:00-21:30 M, Room TBA, In Person Term Based; Dana Lindaman ; 4 cr.

3591 Independent Study

(A-F or Audit; Prereq: 2301 with C or better, instructor consent)

29434 001 IND, Independent/Directed Study; Milan Kovacic ; 1-4 cr.
 29753 002 IND, Independent/Directed Study; Dana Lindaman ; 1-4 cr.

Geographic Information Science (GIS)**3563 Geographic Information Science I: Theory and Analysis**(A-F only; Prereq: credit will not be granted if already received for GEOG 3564 or 4563 and 4564 or GIS4565.)
 29603 001 LEC, 12:00-13:40 TTh, Humanities Building 458, In Person Term Based; Micaella Penning ; 4 cr.**3564 Geographic Information Science II: Applied GIS**

(A-F or Audit; Prereq: 3563; credit will not be granted if already received for GEOG 3564 or 4563 and 4564 or GIS4565.)

29676 001 LEC, 10:00-11:40 TTh, Humanities Building 458, In Person Term Based; Zachary Vavra ; 4 cr.

3580 Earth Imagery

(A-F only; Prereq: 2552; credit will not be granted if already received for GEOG 3580)

29704 001 LEC, 11:00-13:00 MW, Humanities Building 458, In Person Term Based; Kate Carlson ; 4 cr.

3591 Independent Study in GIS(A-F only; Prereq: instructor consent)
 29859 002 IND, Independent/Directed Study; Kate Carlson ; 1-3 cr.

33250 001 IND, Independent/Directed Study; Laure Charleux ; 1-3 cr.

3597 Internship in GIS

(A-F only; Prereq: GIS major with minimum 60 credits and instructor consent)

29677 001 FWK, 00:00-00:00 , , Independent/Directed Study; Laure Charleux ; 3-4 cr.
 29857 002 FWK, In Person Term Based; Kate Carlson ; 3-4 cr.

4565 Geographic Information Science Intensive: Theory, Analysis, and Applications(A-F or Audit;)
 29867 001 LAB, 17:00-20:30 T, Humanities Building 458, In Person Term Based; Laure Charleux ; 4 cr.**4586 Geoprocessing with Python**(A-F or Audit; Prereq: 3563 and 3564 or 4565 preferred)
 33257 001 LAB, 13:00-14:40 MW, Humanities Building 458, In Person Term Based; Laure Charleux ; 4 cr.**5572 Environmental Application of GIS**

(A-F only; Prereq: 3563 or 4565 or grad student or instructor consent; credit will not be granted if already received for GEOG 5572.)

29636 001 LAB, 17:00-20:30 W, Humanities Building 458, In Person Term Based; Tongxin Zhu ; 4 cr.

5591 Independent Study in GIS(A-F only; Prereq: instructor consent)
 29860 001 IND, Independent/Directed Study; Laure Charleux ; 1-3 cr.
 33251 002 IND, Independent/Directed Study; Kate Carlson ; 1-3 cr.**Geography (GEOG)****1202 World Regional Geography**(A-F only; GLOBAL PER)
 29445 001 LEC, 9:00-9:50 MWF, Solon Campus Center 120, In Person Term Based; Adam Pine ; 3 cr.**1304 Human Geography**(A-F only; SOC SCI)
 29446 001 LEC, 11:00-11:50 MW, Solon Campus Center 120, Partially Online; Nathan Clough ; 3 cr.**1414 Physical Geography**(A-F only; NAT SCI,SUSTAIN)
 29447 001 LEC, 9:30-10:45 TTh, Montague Hall 70, In Person Term Based; Pat Farrell ; 4 cr.

29448 002 LAB, 9:00-10:40 M, Cina Hall 316, In Person Term Based; Pat Farrell ; 4 cr.

29449 003 LAB, 9:00-10:40 W, Cina Hall 316, In Person Term Based; Pat Farrell ; 4 cr.

29450 004 LAB, 9:00-10:40 F, Cina Hall 316, In Person Term Based; Pat Farrell ; 4 cr.

29451 005 LAB, 14:00-15:40 M, Cina Hall 316, In Person Term Based; Pat Farrell ; 4 cr.

29481 006 LAB, 14:00-15:40 W, Cina Hall 316, In Person Term Based; Pat Farrell ; 4 cr.

2306 Environmental Conservation(A-F only; SUSTAIN)
 29575 001 LEC, 9:30-10:45 TTh, Cina Hall 224, In Person Term Based; Tongxin Zhu ; 3 cr.**2552 Introduction to Maps and Geospatial Information**(A-F only; LOGIC & QR)
 29455 001 LEC, 14:00-15:15 MW, A B Anderson Hall 445, Partially Online; Kate Carlson ; 3 cr.
 29675 002 LEC, 00:00-00:00 , ONLINE, Completely Online; Kate Carlson ; 3 cr.**3334 Urban Geography**(A-F only; Prereq: Minimum 30 credits or instructor consent)
 29537 001 LEC, 10:00-10:50 MW, Humanities Building 458, Partially Online; Nathan Clough ; 3 cr.**3991 Independent Study in Geography**(A-F only; Prereq: instructor consent)
 29759 001 IND, Independent/Directed Study; Pat Farrell ; 1-4 cr.
 29855 002 IND, Independent/Directed Study; Tongxin Zhu ; 1-4 cr.
 29856 003 IND, Independent/Directed Study; Adam Pine ; 1-4 cr.**3997 Internship in Geography**(Student Option; Prereq: Geography major, 60 credits, instructor consent)
 33254 001 FWK, In Person Term Based; Pat Farrell ; 1-6 cr.**4446 Water Processes and Management**

(A-F only; Prereq: Geog 1414 or Geol 1110 or Graduate students or Instructor consent.)

29562 001 LEC, 14:00-15:15 TTh, Humanities Building 458, In Person Term Based; Tongxin Zhu ; 3 cr.

4451 The Geography of Soils(A-F only; Prereq: 1414 or Geol 1110 or grad student or instructor consent)
 29482 001 LEC, 11:00-12:15 TTh, Cina Hall 316, In Person Term Based; Pat Farrell ; 4 cr.
 29483 002 LAB, 12:30-14:30 TTh, Cina Hall 316, In Person Term Based; Pat Farrell ; 4 cr.**4803 Geographic Thought**(A-F only; Prereq: 60 credits or grad student or instructor consent)
 29456 001 LEC, 15:00-16:15 MW, Humanities Building 458, In Person Term Based; Nathan Clough ; 3 cr.**4999 Honors Project Geography**(A-F only; Prereq: minimum 90 credits, approval by department honors program director; no grad credit)
 33255 001 IND, In Person Term Based; 3 cr.**5991 Independent Study in Geography**(A-F only; Prereq: Maximum 4 credits can be applied to graduate program; instructor consent)
 33256 001 IND, In Person Term Based; 1-4 cr.**Geology (GEOL)****1110 Geology and Earth Systems**(A-F or Audit; SUSTAIN,NAT SCI)
 34601 001 LEC, 14:00-15:15 TTh, Chemistry Building 200, In Person Term Based; John Goodge ; 4 cr.
 34603 002 LEC, 10:00-10:50 MWF, Life Sciences Bldg 185, In Person Term Based; Fred Davis ; 4 cr.
 34606 003 LAB, 8:00-9:50 T, Heller Hall 206, In Person Term Based; 4 cr.
 34607 004 LAB, 10:00-11:50 T, Heller Hall 206, In Person Term Based; 4 cr.
 34608 005 LAB, 12:00-13:50 T, Heller Hall 206, In Person Term Based; 4 cr.
 34610 006 LAB, 16:00-17:50 T, Heller Hall 206, In Person Term Based; 4 cr.
 34611 007 LAB, 18:00-19:50 T, Heller Hall 206, In Person Term Based; 4 cr.

34612 008 LAB, 8:00-9:50 W, Heller Hall 206, In Person Term Based; 4 cr.

34613 009 LAB, 12:00-13:50 W, Heller Hall 206, In Person Term Based; 4 cr.

34614 010 LAB, 14:00-15:50 W, Heller Hall 206, In Person Term Based; 4 cr.

34615 011 LAB, 16:00-17:50 W, Heller Hall 206, In Person Term Based; 4 cr.

34616 012 LAB, 18:00-19:50 W, Heller Hall 206, In Person Term Based; 4 cr.

34617 013 LAB, 8:00-9:50 Th, Heller Hall 206, In Person Term Based; 4 cr.

34618 014 LAB, 10:00-11:50 Th, Heller Hall 206, In Person Term Based; 4 cr.

34620 016 LAB, 13:00-14:50 F, Heller Hall 206, In Person Term Based; 4 cr.

1610 Oceanography(A-F or Audit; Prereq: Credit will not be granted if already received for 2610.SUSTAIN,NAT SCI)
 30058 001 LEC, 13:00-13:50 MWF, Montague Hall 80, In Person Term Based; Byron Steinman ; 3 cr.**2312 Petrology**(A-F or Audit; Prereq: 2311)
 31974 001 LEC, 11:00-12:15 MW, Heller Hall 202, In Person Term Based; John Goodge ; 5 cr.
 31975 002 LAB, 10:00-11:50 TTh, Heller Hall 118, In Person Term Based; John Goodge ; 5 cr.
 31976 003 LAB, 8:00-9:50 TTh, Heller Hall 118, In Person Term Based; John Goodge ; 5 cr.**3210 Geomorphology**(A-F or Audit; Prereq: 1110 or 2110, Math 1250 or 1290 or 1296 or 1596 or instructor consent)
 30221 001 LEC, 9:00-9:50 MW, Heller Hall 114, In Person Term Based; Karen Gran ; 4 cr.
 30222 002 LAB, 14:00-17:50 T, Heller Hall 114, In Person Term Based; Karen Gran ; 4 cr.**3420 Sedimentology and Stratigraphy**(A-F or Audit;)
 30204 001 LEC, 8:00-8:50 MW, Cina Hall 224, In Person Term Based; John Swenson ; 4 cr.
 30205 002 LAB, 8:00-9:50 F, Heller Hall 114, 12:00-13:50 T, Heller Hall 114, In Person Term Based; John Swenson ; 4 cr.**3800 Principles of Geophysics**(A-F or Audit; Prereq: 2120, MATH 1297, PHYS 1002)
 30458 001 LEC, 10:00-10:50 MWF, Heller Hall 202, In Person Term Based; Nigel Watturs ; 4 cr.
 30459 002 LAB, 11:00-12:50 F, Heller Hall 202, In Person Term Based; Nigel Watturs ; 4 cr.**4450 Structural Geology**(A-F or Audit; Prereq: 2312 or instructor consent; credit will not be granted if already received for 3520)
 30736 001 LEC, 13:00-13:50 W, Heller Hall 202, 13:00-14:50 M, Heller Hall 202, In Person Term Based; Vicki Hansen ; 5 cr.
 30737 002 LAB, 14:00-15:50 W, Heller Hall 202, 15:00-16:50 M, Heller Hall 202, In Person Term Based; Vicki Hansen ; 5 cr.**5091 Geologic Problems**(Student Option; Prereq: Graduate Student or instructor consent)
 36953 001 IND, In Person Term Based; Latisha Bregman ; 1-2 cr.
 36954 002 IND, In Person Term Based; Karen Gran ; 1-2 cr.
 37248 003 IND, In Person Term Based; Salli Dymond, John Swenson ; 1-2 cr.**5250 Hydrogeology**

(A-F or Audit; Prereq: Math 1296 or Math 1290 and (Phys 2011 or 2013 and 2014) or grad student or instructor consent; credit will not be granted if already received for 4250)

31980 001 LEC, 11:00-11:50 MWF, Kirby Plaza 312, In Person Term Based; John Swenson ; 4 cr.
 31981 002 LAB, 14:00-15:50 M, Heller Hall 108, In Person Term Based; John Swenson ; 4 cr.
 33070 003 LAB, 14:00-15:50 F, Heller Hall 108, In Person Term Based; John Swenson ; 4 cr.

5355 Economic Geology(A-F or Audit; Prereq: 3326, 3150 or graduate student or instructor consent)
 31985 001 LEC, 13:00-13:50 TTh, Heller Hall 120, In Person Term Based; Christian Schardt ; 4 cr.
 31986 002 LAB, 14:00-15:50 TTh, Heller Hall 120, In Person Term Based; Christian Schardt ; 4 cr.**5603 Stream Crossing Design**

(A-F or Audit);

32110 001 LAB, 13:00-15:50 F, Swenson Civil Engineering 231, In Person Term Based; Meets With: 001 CE 5203; Karen Gran, Rebecca Teasley ; 2 cr.

8094 Geologic Research

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

30745 001 IND, In Person Term Based; Nigel Watrus ; 1-6 cr.

8200 Professional Issues in Earth and Environmental Science

(S-N or Audit; Prereq: Graduate student or instructor consent)

30194 001 LEC, 8:00- 8:50 W, Heller Hall 230D, In Person Term Based; Nigel Watrus ; 1 cr.

8333 FTE: Master's

(No Grade Associated; Prereq: Master's student, adviser and DGS consent)

30747 007 IND, In Person Term Based; Christian Schardt ; 1 cr.

8777 Thesis Credit: Master's

(No Grade Associated; Prereq: Max 18 cr per semester or summer; 10 cr total required (Plan A only))

30749 002 IND, In Person Term Based; Fred Davis ; 1-18 cr.

33081 003 IND, In Person Term Based; Salli Dymond ; 1-18 cr.

33082 004 IND, In Person Term Based; Christina Gallup ; 1-18 cr.

33083 005 IND, In Person Term Based; John Goodge ; 1-18 cr.

33084 006 IND, In Person Term Based; Karen Gran ; 1-18 cr.

33085 007 IND, In Person Term Based; Vicki Hansen ; 1-18 cr.

33086 008 IND, In Person Term Based; Howard Mooers ; 1-18 cr.

33087 009 IND, In Person Term Based; Christian Schardt ; 1-18 cr.

33088 010 IND, In Person Term Based; Byron Steinman ; 1-18 cr.

33089 011 IND, In Person Term Based; John Swenson ; 1-18 cr.

33090 012 IND, In Person Term Based; Nigel Watrus ; 1-18 cr.

8888 Thesis Credits: Doctoral

(No Grade Associated; Prereq: [max 18 cr per semester or summer]; 24 cr required)

33093 001 IND, In Person Term Based; 1-24 cr.

German (GER)**1101 Beginning German I**

(A-F or Audit; Prereq: Little or no prior formal study of this language, or instructor consent/COMM & LAN)

29427 001 LEC, 10:00-10:50 MTThF, Humanities Building 464, In Person Term Based; Kristen Hylenski ; 4 cr.

29491 002 LEC, 12:00-12:50 MTWTh, Humanities Building 464, In Person Term Based; Daniel Nolan ; 4 cr.

29707 003 LEC, 14:00-14:50 MTWTh, Humanities Building 464, In Person Term Based; Holly Brining ; 4 cr.

29707 003 LEC, 14:00-14:50 MTWTh, Humanities Building 464, In Person Term Based; Holly Brining ; 4 cr.

1201 Intermediate German I

(A-F or Audit; Prereq: 3-4 years high school german or 1102 or instructor consent/COMM & LAN)

29428 001 LEC, 10:00-10:50 MTWTh, Bohannon Hall 104, In Person Term Based; Holly Brining ; 4 cr.

29429 002 LEC, 15:00-15:50 MTWTh, Ed Endazhigikino'amaading 20, In Person Term Based; Holly Brining ; 4 cr.

3302 Advanced Composition and Conversation

(A-F or Audit; Prereq: 2301COMM & LAN)

32948 001 LEC, 9:00- 9:50 MTThF, Bohannon Hall 104, In Person Term Based; Kristen Hylenski ; 4 cr.

3407 Sustainability in German-speaking Cultures

(A-F or Audit; SUSTAIN)

32949 001 LEC, 11:00-11:50 MTWTh, Bohannon Hall 104, In Person Term Based; Daniel Nolan ; 4 cr.

Graduate School (GRAD)**999 Graduate School Active Status**

(No Grade Associated; Prereq: Grad Students only with department permission to add or drop)

28671 001 IND, In Person Term Based; 0 cr.

28840 099 IND, In Person Term Based; Kremena Popov ; 0 cr.

Health (HLTH)**1100 Health and Wellness Strategies for Life**

(A-F or Audit; SUSTAIN)

28948 001 LEC, 10:00-10:50 MW, Cina Hall 106, Partially Online; Karen Skrbich ; 3 cr.

28949 002 LEC, 9:30-10:20 TTh, Sports and Health Center 8, Partially Online; Michael Wendinger ; 3 cr.

28949 002 LEC, 9:30-10:20 TTh, Sports and Health Center 8, Partially Online; Michael Wendinger ; 3 cr.

1104 Health Science Terminology

(A-F or Audit;)

29156 001 LEC, 11:00-11:50 T, Kirby Plaza 143, Primarily Online; H Doane ; 3 cr.

1400 Alcohol and College Life

(A-F or Audit; Prereq: freshman or sophomore status; credit will not be granted if already received for SOC 1400)

29286 001 IND, Completely Online; Lauretta Perry ; 1 cr.

29292 002 IND, Completely Online; Lauretta Perry ; 1 cr.

1470 Human Nutrition

(A-F or Audit; NAT SCI)

28845 001 LEC, 13:00-13:50 MWF, Life Sciences Bldg 175, In Person Term Based; Ambria Crusan ; 3 cr.

28846 002 LEC, 14:00-14:50 MWF, Life Sciences Bldg 175, In Person Term Based; Ambria Crusan ; 3 cr.

1700 First Responder

(A-F or Audit;)

28893 001 LEC, 8:00- 9:15 TTh, Sports and Health Center 8, In Person Term Based; Elizabeth Fleissner ; 3 cr.

28940 002 LEC, 13:00-13:50 MWF, Sports and Health Center 8, In Person Term Based; Elizabeth Fleissner ; 3 cr.

28940 002 LEC, 13:00-13:50 MWF, Sports and Health Center 8, In Person Term Based; Elizabeth Fleissner ; 3 cr.

2030 Applied Human Anatomy

(A-F or Audit; Prereq: exercise science or physical education or public health and promotion or environmental and outdoor education major or candidate, [Biol 1001 or Biol 1011] and one semester college chemistry; credit will not be granted if already received for Biol 1761)

28878 001 LEC, 11:00-11:50 MTWF, Montague Hall 203, In Person Term Based; Mark Nierengarten ; 4 cr.

28879 002 LAB, 8:00- 9:15 Th, Sports and Health Center 207, In Person Term Based; Mark Nierengarten ; 4 cr.

28880 003 LAB, 9:30-10:45 Th, Sports and Health Center 207, In Person Term Based; Mark Nierengarten ; 4 cr.

2040 Human Physiology

(A-F or Audit; Prereq: Minimum 30 credits, BIOL 1001 or 1011; one semester college chemistry or instructor consent)

28990 001 LEC, 14:00-14:50 MTWF, Montague Hall 203, In Person Term Based; John Keener ; 4 cr.

28990 001 LEC, 14:00-14:50 MTWF, Montague Hall 203, In Person Term Based; John Keener ; 4 cr.

3101 Community Health

(A-F or Audit; Prereq: Minimum 30 credits)

28870 001 LEC, 14:00-15:15 TTh, Sports and Health Center 208, In Person Term Based; Ladona Tornabene ; 3 cr.

3115 Consumer Health Education

(A-F or Audit; Prereq: Minimum 30 credits)

29108 001 LEC, 9:00- 9:50 MWF, Sports and Health Center 208, In Person Term Based; Karen Skrbich ; 3 cr.

3118 Women's Health Issues

(A-F or Audit; Prereq: Minimum 30 credits)

29160 001 LEC, 17:00-19:50 T, Sports and Health Center 207, In Person Term Based; H Doane ; 3 cr.

3202 Drug Education

(A-F or Audit; Prereq: 45 credits, for students seeking and admitted to the STEP (Secondary Teaching Education program), major in health education, public health education and promotion, physical education, exercise science and communication sciences and disorders or instructor consent.)

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

3300 Technology, Design and Communication Applications in Health Education and Promotion

(A-F or Audit; Prereq: minimum 30 credits; Health Ed or Public Health Education and Promotion major, pre or concurrent registration in 3301 or instructor consent)

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

3302 Drug Education

(A-F or Audit; Prereq: 45 credits, for students seeking and admitted to the STEP (Secondary Teaching Education program), major in health education, public health education and promotion, physical education, exercise science and communication sciences and disorders or instructor consent.)

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

3300 Technology, Design and Communication Applications in Health Education and Promotion

(A-F or Audit; Prereq: minimum 30 credits; Health Ed or Public Health Education and Promotion major, pre or concurrent registration in 3301 or instructor consent)

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

3300 Technology, Design and Communication Applications in Health Education and Promotion

(A-F or Audit; Prereq: minimum 30 credits; Health Ed or Public Health Education and Promotion major, pre or concurrent registration in 3301 or instructor consent)

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

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28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

28850 001 LEC, 14:00-14:50 TTh, Chemistry Building 150, In Person Term Based; Karen Skrbich ; 2 cr.

29097 001 LEC, 14:00-18:00 W, Sports and Health Center 212, In Person Term Based; Amy Versnik Nowak ; 4 cr.

29097 001 LEC, 14:00-18:00 W, Sports and Health Center 212, In Person Term Based; Amy Versnik Nowak ; 4 cr.

3301 Foundations of Health Education and Promotion

(A-F or Audit; Prereq: 1100 and [(pre-or concurrent registration in 3300 and Health Education Community concentration majors) or Health Education School concentration major or Health Education or Health Education or Public Health Education concurrent registration is required (or allowed) in Promotion major or minor/instructor consent)

28849 001 LEC, 13:00-13:50 MWF, Sports and Health Center 208, In Person Term Based; Georgia Keeney ; 3 cr.

28849 001 LEC, 13:00-13:50 MWF, Sports and Health Center 208, In Person Term Based; Georgia Keeney ; 3 cr.

28849 001 LEC, 13:00-13:50 MWF, Sports and Health Center 208, In Person Term Based; Georgia Keeney ; 3 cr.

28849 001 LEC, 13:00-13:50 MWF, Sports and Health Center 208, In Person Term Based; Georgia Keeney ; 3 cr.

28849 001 LEC, 13:00-13:50 MWF, Sports and Health Center 208, In Person Term Based; Georgia Keeney ; 3 cr.

3303 Health Education and Promotion Program

(A-F or Audit; Prereq: Concurrent registration is required (or allowed) in 3301, Health Educ pr Public Health Education and Promotion major or minor or instructor consent)

28969 001 LEC, 10:00-10:50 MWF, Sports and Health Center 208, In Person Term Based; Georgia Keeney ; 3 cr.

3305 Community Health Methods and Strategies

(A-F or Audit; Prereq: 3300, 3303, Health Ed or Public Health Education and Promotion major with Community concentration or instructor consent)

29031 001 LEC, 14:00-18:00 M, Sports and Health Center 212, In Person Term Based; Amy Versnik Nowak ; 4 cr.

29031 001 LEC, 14:00-18:00 M, Sports and Health Center 212, In Person Term Based; Amy Versnik Nowak ; 4 cr.

3307 Conducting and Managing Worksite Health Promotion Programs

(A-F or Audit; Prereq: 3303, Health Education or Public Health Education and Promotion major or minor or Exercise Science major or instructor consent)

29233 001 LEC, 11:00-11:50 MWF, Sports and Health Center 9, In Person Term Based; Karen Skrbich ; 3 cr.

29233 001 LEC, 11:00-11:50 MWF, Sports and Health Center 9, In Person Term Based; Karen Skrbich ; 3 cr.

3341 Encountering Death and Grief: A Cross-Cultural Journey

(A-F or Audit; Prereq: credit will not be granted if already received for 5341CDIVERSITY)

29285 001 LEC, 15:00-17:50 W, Voss-Kovach Hall 115, In Person Term Based; H Doane ; 3 cr.

29285 001 LEC, 15:00-17:50 W, Voss-Kovach Hall 115, In Person Term Based; H Doane ; 3 cr.

3500 Environmental Health

(A-F or Audit; Prereq: Health Education or Public Health Education and Promotion major, minimum 60 credits or instructor consent)

29056 001 LEC, 8:00- 8:50 MWF, Sports and Health Center 210, 8:00- 8:50 MWF, Sports and Health Center 150A, In Person Term Based; Karen Skrbich ; 3 cr.

29056 001 LEC, 8:00- 8:50 MWF, Sports and Health Center 210, 8:00- 8:50 MWF, Sports and Health Center 150A, In Person Term Based; Karen Skrbich ; 3 cr.

29056 001 LEC, 8:00- 8:50 MWF, Sports and Health Center 210, 8:00- 8:50 MWF, Sports and Health Center 150A, In Person Term Based; Karen Skrbich ; 3 cr.

3991 Independent Study

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

36183 003 IND, In Person Term Based; Georgia Keeney ; 1-6 cr.

36183 003 IND, In Person Term Based; Georgia Keeney ; 1-6 cr.

3992 Readings in Health

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

29080 002 IND, Independent/Directed Study; Georgia Keeney ; 1-4 cr.

29080 002 IND, Independent/Directed Study; Georgia Keeney ; 1-4 cr.

4000 The Health Education Specialist: Skills and Application

(A-F or Audit; Prereq: 3305, Health Education or Public Health Education and Promotion major or instructor consent, no grad credit)

28968 001 LEC, 15:00-17:50 W, Sports and Health Center 207, In Person Term Based; Ladona Tornabene ; 4 cr.

28968 001 LEC, 15:00-17:50 W, Sports and Health Center 207, In Person Term Based; Ladona Tornabene ; 4 cr.

4996 Internship in Health Education

(S-N or Audit; Prereq: health education major, instructor consent; no grad credit)

28871 001 FWK, Independent/Directed Study; Ladona Tornabene ; 1-15 cr.

28871 001 FWK, Independent/Directed Study; Ladona Tornabene ; 1-15 cr.

28871 001 FWK, Independent/Directed Study; Ladona Tornabene ; 1-15 cr.

5991 Independent Study

(A-F or Audit; Prereq: instructor consent, non-degree seeking or grad student; maximum of 6 credits can be applied toward degree)

37340 001 IND, In Person Term Based; Georgia Keeney ; 1-6 cr.

37340 001 IND, In Person Term Based; Georgia Keeney ; 1-6 cr.

Health Care Management (HCM)**4510 Medical Sociology**

(A-F only; Prereq: LSBE candidate or Health Care Management minor or college consent, no grad credit)
33193 001 LEC, 11:00-12:15 TTh, Labovitz Schl Bus & Econ 225, In Person Term Based; Jill Klingner ; 3 cr.

4520 Health Care Organization and Management

(A-F only; Prereq: LSBE candidate or approved Health Care Management minor or college consent, MgtS 3401 preferred but not required, no grad credit)
31048 001 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 225, In Person Term Based; Jill Klingner ; 3 cr.

4530 Legal Aspects of and Ethics in Health Care

(A-F only; Prereq: LSBE candidate or approved Health Care Management minor or college consent, no grad credit)
31049 001 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 225, In Person Term Based; Annalisa Peterson ; 3 cr.

4550 Health Care Finance

(A-F only; Prereq: 4520, FMIS 3601, LSBE candidate or approved Health Care Management minor or college consent, no grad credit)
31124 001 LEC, 18:00-20:40 M, Labovitz Schl Bus & Econ 225, In Person Term Based; Joseph Drexler ; 3 cr.

4570 Health Care Quality Management

(A-F only; Prereq: 4520, LSBE candidate or approved Health Care Management minor or college consent; no grad credit)
31087 001 LEC, 15:30-16:45 TTh, Labovitz Schl Bus & Econ 225, In Person Term Based; Jill Klingner ; 3 cr.

4597 Internship

(A-F only; Prereq: LSBE candidate, prior major coursework and consent of internship director; no grad credit)
31053 001 FWK, Independent/Directed Study; Angie Soderberg ; 1-6 cr.

Health, Physical Educ and Rec (HPER)

3100 Risk Management

(A-F or Audit; Prereq: Major in Exercise Science or Environmental and Outdoor Education or instructor consent)
37212 002 LEC, 13:00-13:50 MW, Sports and Health Center 9, In Person Term Based; Gregory Petry ; 2 cr.
37213 003 LEC, In Person Term Based; Gregory Petry ; 2 cr.

3200 Research and Evaluation in Health Science

(A-F or Audit; Prereq: Minimum 60 credits, Health education major or Public Health Education and Promotion major or minor or recreation/outdoor education major or minor or instructor consent)
28919 001 LEC, 15:30-18:00 Th, Sports and Health Center 210, In Person Term Based; Marzell Gray ; 3 cr.

3300 Health and Physical Education in the Elementary School

(A-F or Audit; Prereq: ISE Major, successful completion of ISE 1010)
29068 001 LEC, 13:00-14:50 MW, Sports and Health Center 150A, 13:00-14:50 MW, Sports and Health Center 210, Partially Online; Amy Kaiser, Karen Skrbich ; 3 cr.

History (HIST)

1200 World History to 1500: From Antiquity to the Age of Exploration

(A-F or Audit; GLOBAL PER,HUMANITIES)
29827 001 LEC, 9:00- 9:50 MWF, A B Anderson Hall 225, In Person Term Based; David Woodward ; 4 cr.

1207 Dawn of Modern Europe

(A-F or Audit; HUMANITIES)
29615 001 LEC, 14:00-14:50 MWF, Solon Campus Center 120, In Person Term Based; Steve Matthews ; 4 cr.

1304 US History Part I: 1607-1877

(A-F or Audit; HUMANITIES)
29480 001 LEC, 11:00-11:50 MWF, Humanities Building 314, In Person Term Based; Gideon Mailer ; 4 cr.

1305 US History Part II: 1865-Present

(A-F or Audit; HUMANITIES)

29633 001 LEC, 12:30-13:45 TTh, Chemistry Building 150, In Person Term Based; Scott Laderman ; 4 cr.

1400 Modern World History from 1500 to present

(A-F or Audit; HUMANITIES,GLOBAL PER)
33331 001 LEC, 14:00-15:15 TTh, A B Anderson Hall 225, In Person Term Based; Qiang Fang ; 4 cr.

2325 Muslim Societies

(A-F or Audit; Prereq: credit will not be granted if already received for HIST 2525)
29680 001 LEC, 15:00-18:20 W, Heller Hall 216, Primarily Online; Rosemary Stanfield-Johnson ; 4 cr.

2515 Precolonial Africa

(A-F or Audit; HUMANITIES)
29828 001 LEC, 13:00-13:50 MWF, A B Anderson Hall 225, In Person Term Based; Steffan Spencer ; 4 cr.

3055 The Bible & Ancient Near East

(A-F or Audit; Prereq: Minimum 30 credits; credit will not be granted if already received for HmCI 3055 or CS1 3055)
33333 001 LEC, 11:00-11:50 MWF, A B Anderson Hall 245, In Person Term Based; Jeffrey Rop ; 4 cr.

3091 Directed Readings in History

(A-F or Audit; Prereq: instructor consent)
29458 001 IND, Independent/Directed Study; Steve Matthews ; 1-4 cr.
29740 003 IND, Independent/Directed Study; Scott Laderman ; 1-4 cr.
29741 004 IND, Independent/Directed Study; Gideon Mailer ; 1-4 cr.
29742 005 IND, Independent/Directed Study; Jeffrey Rop ; 1-4 cr.
29743 006 IND, Independent/Directed Study; Rosemary Stanfield-Johnson ; 1-4 cr.
29744 007 IND, Independent/Directed Study; David Woodward ; 1-4 cr.
33334 002 IND, Independent/Directed Study; Qiang Fang ; 1-4 cr.
33335 008 IND, Independent/Directed Study; Natalie Belsky ; 1-4 cr.
33336 009 IND, Independent/Directed Study; Steffan Spencer ; 1-4 cr.

3097 Internship in History

(A-F or Audit; Prereq: 60 credits, instructor consent)
29457 001 FWK, Independent/Directed Study; Gideon Mailer, Natalie Belsky ; 1-3 cr.
29745 002 FWK, Independent/Directed Study; David Woodward ; 1-3 cr.

3099 Practicum in Teaching History

(A-F or Audit; Prereq: History major, completion of 20 credits of 2xxx and above history courses with GPS of 3.3, completion of 90 credits, instructor consent)
29505 001 FWK, In Person Term Based; Steve Matthews, Rosemary Stanfield-Johnson ; 3 cr.

3133 Ancient Greece from Homer to Alexander

(A-F or Audit; Prereq: Credit will not be granted if already received for HIST 3333 or HmCI 3333)
29709 001 LEC, 9:00- 9:50 MWF, A B Anderson Hall 235, In Person Term Based; Jeffrey Rop ; 4 cr.

3244 History of Holocaust

(A-F or Audit ;)
33337 001 LEC, 14:00-15:15 TTh, A B Anderson Hall 235, In Person Term Based; Natalie Belsky ; 4 cr.

3264 Imperial Russia

(A-F or Audit ;)
29830 001 LEC, 9:30-10:45 TTh, A B Anderson Hall 235, Partially Online; Natalie Belsky ; 4 cr.

3310 Colonial America: The American Revolution

(A-F or Audit ;)
33338 001 LEC, 10:00-10:50 MWF, A B Anderson Hall 245, In Person Term Based; 4 cr.

3465 Twentieth Century China Politics

(A-F or Audit ;)
33339 001 LEC, 18:00-20:50 T, A B Anderson Hall 245, In Person Term Based; Qiang Fang ; 4 cr.

3939 Europe in the Age of Renaissance and Reformation: 1348-1648

(A-F or Audit; Prereq: credit will not be granted if already received for HIST 3239)

33340 001 LEC, 10:00-10:50 MWF, Engineering Building 177, In Person Term Based; Steve Matthews ; 4 cr.

4727 Middle Eastern History Through Film

(A-F or Audit; Prereq: 30 credits, no grad credit; credit will not be granted if already received for HIST 4527)
29760 001 LEC, 18:00-21:20 Th, A B Anderson Hall 245, Partially Online; Rosemary Stanfield-Johnson ; 4 cr.

5094 Directed Research

(A-F or Audit; Prereq: instructor consent, maximum 4 credits may be applied to grad program)
29459 001 IND, Independent/Directed Study; Scott Laderman ; 4 cr.
29893 002 IND, Independent/Directed Study; Rosemary Stanfield-Johnson ; 4 cr.

5905 History Seminar

(A-F or Audit; Prereq: instructor consent)
29634 001 LEC, 14:00-17:20 W, Solon Campus Center 6, In Person Term Based; Steffan Spencer ; 4 cr.

Honors (HON)

3095 University Honors Special Topics: (Various Titles to be Assigned)

(A-F or Audit; Prereq: Honors Student)
28808 550 LEC, 9:00-10:50 TTh, A B Anderson Hall 225, In Person Term Based; Scott Laderman ; 1-4 cr.

Industrial Engineering (IE)

3122 Materials Engineering Laboratory

(A-F only; Prereq: ENGR 1222, BSIE or BSME candidate, concurrent registration in 3130)
30246 001 LEC, 12:00-12:50 M, Chemistry Building 150, In Person Term Based; Jake Dryke, Ping Zhao ; 2 cr.
30247 002 LAB, 10:00-11:50 T, Voss-Kovach Hall 140, In Person Term Based; Jake Dryke ; 2 cr.
30248 003 LAB, 13:00-14:50 T, Voss-Kovach Hall 140, In Person Term Based; Jake Dryke ; 2 cr.
30249 004 LAB, 10:00-11:50 Th, Voss-Kovach Hall 140, In Person Term Based; Ping Zhao ; 2 cr.
30348 005 LAB, 13:00-14:50 Th, Voss-Kovach Hall 140, In Person Term Based; Ping Zhao ; 2 cr.
30587 006 LAB, 15:00-16:50 T, Voss-Kovach Hall 140, In Person Term Based; Jake Dryke ; 2 cr.
30890 007 LAB, 15:00-16:50 Th, Voss-Kovach Hall 140, In Person Term Based; Ping Zhao ; 2 cr.
36211 008 LAB, 13:00-14:50 M, Voss-Kovach Hall 140, In Person Term Based; Jake Dryke ; 2 cr.

3125 Engineering Economic Analysis

(A-F or Audit; Prereq: Statistics 3411 or 3611, engineering candidate or instructor consent(SOC SCI))
30061 001 LEC, 10:00-10:50 MWF, Voss-Kovach Hall 221, In Person Term Based; Heidi Zierden ; 3 cr.
30525 002 LEC, 13:00-13:50 MWF, Voss-Kovach Hall 221, In Person Term Based; Heidi Zierden ; 3 cr.

3130 Materials Processing Engineering

(A-F only; Prereq: Engr 2110 or ME 2105, Engr 2016 or CE 2017, Stat 3411 (concurrent registration is allowed)and BSIE or BSME candidate)
30251 001 LEC, 9:00- 9:50 MWF, Engineering Building 290, In Person Term Based; Brian Hinderliter ; 3 cr.
30586 002 LEC, 14:00-14:50 MWF, Ed Endazhigikino'amaading 16, In Person Term Based; Emmanuel Enemuoh ; 3 cr.

3140 Human Factors and Ergonomic Design

(A-F only; Prereq: B.S.I.E. candidate or instructor consent)
30250 001 LEC, 11:00-11:50 MWF, Kirby Plaza 385, In Person Term Based; Turuna Seecharan ; 3 cr.

4115 Facility Planning and Simulation

(A-F or Audit; Prereq: 4010, 4020, BSIE candidate)
30064 001 LEC, 14:00-14:50 MWF, Engineering Building 204, In Person Term Based; Turuna Seecharan ; 4 cr.
30065 002 LAB, 13:00-14:50 T, Engineering Building 204, In Person Term Based; Turuna Seecharan ; 4 cr.

4222 Systems Integration Laboratory

(A-F only; Prereq: must be taken after or concurrently with IE 4230 or department consent, no grad credit)
30269 001 LEC, 9:00- 9:50 M, Room TBA, In Person Term Based; Tarek Al-Geddawy ; 2 cr.
30270 003 LAB, 15:00-16:50 W, Voss-Kovach Hall 148, In Person Term Based; Tarek Al-Geddawy ; 2 cr.

4230 Systems Integration

(A-F only; Prereq: 4020 or ME 3140, ECE 2006, CS 1121 or CS 1131 or CS 1511 or CS 2121, BSIE candidate or instructor consent)

30268 001 LEC, 15:00-16:15 F, Voss-Kovach Hall 201, 15:00-16:15 M, Voss-Kovach Hall 115, In Person Term Based; Tarek Al-Geddawy ; 3 cr.

4255 Multidisciplinary Senior Design

(A-F or Audit; Prereq: EMgt 4110, BSIE candidate, or instructor consent, no grad credit)

30360 001 LEC, 15:00-16:50 T, M W Alworth Hall 195, In Person Term Based; Meets With: 001 ME 4255; Jose Carrillo, Jong Beom Lee ; 4 cr.
30361 002 LAB, 13:00-16:50 Th, Engineering Building 260, In Person Term Based; Meets With: 002 ME 4255; Jose Carrillo, Jong Beom Lee ; 4 cr.

4296 Cooperative Education II

(A-F or Audit; Prereq: 4196 or ME 4196; no grad credit)

30519 001 FWK, 00:00-00:00 , , Independent/Directed Study; Daniel Pope ; 1 cr.

4297 Industrial Engineering Internship

(A-F or Audit;)

33390 001 IND, In Person Term Based; Daniel Pope ; 2 cr.

4491 Independent Study

(A-F or Audit; Prereq: BSIE or BSME candidate, department consent)

33391 001 IND, In Person Term Based; 1-4 cr.

4993 Industrial Engineering Seminar

(S-N or Audit; Prereq: BSIE or BSChE or BSECE or BSME or MEHS candidate or instructor consent; no Grad credit)

30359 001 LEC, 12:00-12:50 W, Chemistry Building 150, In Person Term Based; Meets With: 001 EMGT 8993001 ME 8993; Puttagounder Dhanasekaran Swaminathan ; 1 cr.

5335 Engineered Products and Services

(Student Option; Prereq: BSIE or MSEM candidate, instructor consent)

33394 001 LEC, 18:00-20:40 T, Voss-Kovach Hall 115, Partially Online; Robert Feyen ; 3 cr.

5991 Independent Study in Industrial Engineering

(Student Option; Prereq: MSEM candidate, department consent)

33396 001 IND, In Person Term Based; 1-4 cr.

Integrated Biosciences (IBS)**8011 Integrated Biological Systems I**

(A-F only; Prereq: open to first year IBS Graduate Students only, calculus)

30223 001 LEC, 10:00-10:50 MW, James I Swenson Sci Bldg 207A, In Person Term Based; Patrick Schoff, Jessica Savage ; 2 cr.

8012 Integrated Evolutionary Processes

(A-F or Audit; Prereq: IBS Grad student)

30588 001 LEC, 8:00- 8:50 MW, James I Swenson Sci Bldg 115, In Person Term Based; Timothy Craig ; 2 cr.

8030 IBS Research Club

(S-N or Audit; Prereq: IBS Graduate Student)

30224 001 LEC, 13:00-13:50 M, James I Swenson Sci Bldg 207A, In Person Term Based; Andrew Skildum, Jared Strasburg ; 1 cr.

8099 The Biological Practitioner

(S-N or Audit; Prereq: IBS Graduate Student)

30225 001 LEC, 8:00- 8:50 F, James I Swenson Sci Bldg 207A, In Person Term Based; John Dahl, Benjamin Clarke ; 1 cr.

8333 FTE: Master's

(No Grade Associated; Prereq: Master's student, adviser and DGS consent)

30300 001 IND, 00:00-00:00 , , Independent/Directed Study; Matthew Andrews, Jon Rumbley, Jennifer Liang, Patricia Scott, Robert Cormier, Donn Branstrator, Thomas Hrabik ; 1 cr.

8444 FTE: Doctoral

(No Grade Associated; Prereq: Doctoral student, adviser and DGS consent)

30314 001 IND, 00:00-00:00 , , Independent/Directed Study; Patrick Schoff, Ron Moen, David Mount, Gregory Beilman, Venkatram Mereddy, Joel Hoffman ; 1 cr.

8666 Doctoral Pre-Thesis Credits

(No Grade Associated; Prereq: Doctoral student who has not passed preliminary oral; no required consent for 1st/2nd registrations, up to 12 combined credits; department consent for 3rd/4th registrations, up to 24 combined credits; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined credits)

30315 001 IND, 00:00-00:00 , , Independent/Directed Study; Venkatram Mereddy, Timothy Craig, Randall Hicks ; 1-6 cr.

8777 Thesis Credits: Master's

(No Grade Associated; Prereq: Maximum 18 credits per semester or summer; 10 credits total required (Plan A only))

30241 001 IND, 00:00-00:00 , , Independent/Directed Study; Robert Cormier, Patricia Scott, Allen Mensinger, Ron Moen, Jennifer Liang, Thomas Hrabik, Matthew Eiterson, Gerald Niemi, Timothy Craig, Randall Hicks, Briana Gross, Jessica Savage, Sara Zimmer, Joel Hoffman ; 1-18 cr.

8888 Thesis Credit: Doctoral

(No Grade Associated; Prereq: Maximum 18 credits per semester or summer; 24 credits required)

30316 001 IND, 00:00-00:00 , , Independent/Directed Study; Thomas Hrabik ; 1-24 cr.

Integrated Elem Special Educ (IESE)**1010 Introduction to Inclusive Education**

(A-F or Audit; Prereq: Pre elementary education student; credit will not be granted if already received for ELED 1010)

29144 001 DIS, 14:00-15:15 TTh, Bohannon Hall 108, In Person Term Based; Jane Ellen Dietrich ; 3 cr.
29145 002 DIS, 15:30-16:45 TTh, Bohannon Hall 108, In Person Term Based; Jane Ellen Dietrich ; 3 cr.
36935 003 DIS, 17:00-18:15 TTh, Bohannon Hall 346, In Person Term Based; Jane Ellen Dietrich ; 3 cr.

2001 Diversity and Education Implications

(A-F or Audit; Prereq: Pre-IESE Candidate, 1010; credit will not be granted if already received for ELED 2001)

29146 001 LEC, 17:00-19:00 Th, Ed Endazhigikino'amaading 17, Partially Online; Nedra Hazareesingh ; 3 cr.

3325 Foundations of Literacy and Language

(A-F only; Prereq: Admission to the IESE program, successful completion of IESE 3331; credit will not be granted if already received for ELED 3325)

29147 001 LEC, 8:00- 9:15 TTh, Ed Endazhigikino'amaading 51, In Person Term Based; Jean Stevenson ; 3 cr.

3326 Advanced Literacy & Language: Designing & Implementing a Comprehensive Literacy Program

(A-F only; Prereq: Admission to IESE program and successful completion of Blocks One and Two courses and associated field experiences; credit will not be granted if already received for ELED 3326)

29148 001 LEC, 15:30-17:10 T, Montague Hall 151, In Person Term Based; Jean Stevenson ; 2 cr.

3331 Children's Literature in the Elementary School

(A-F or Audit; Prereq: Pre-IESE, Sophomore standing, IESE 1010 and ECH 2025; credit will not be granted if already received for ELED 3331.)

29149 001 LEC, 16:00-18:30 M, Ed Endazhigikino'amaading 40, In Person Term Based; Jean Stevenson ; 3 cr.

3355 Critical Thinking Elementary Mathematics Methods I

(A-F only; Prereq: Admission to the IESE program and successful completion of Block One courses and associated field experience; credit will not be granted if already received for ELED 3355)

29150 001 DIS, 9:00- 9:50 MF, Montague Hall 151, In Person Term Based; Joan Kwako ; 2 cr.

3356 Elementary Mathematics Methods II

(A-F only; Prereq: Admission to IESE program and successful completion of Blocks One and Two courses and associated field experiences; credit will not be granted if already received for ELED 3356)

29151 001 DIS, 9:30-10:45 TTh, Montague Hall 151, In Person Term Based; Joan Kwako ; 3 cr.

4344 Teaching Science and Environmental Education I

(A-F only; Prereq: Admission to IESE program and successful completion of Block One courses and associated field experience; no grad credit; credit will not be granted if already received for ELED 4344)

29152 001 LEC, 14:00-15:15 TTh, Montague Hall 151, In Person Term Based; Jennifer Frisch ; 3 cr.

4346 Teaching Science & Environmental Education II

(A-F only; Prereq: Admission to IESE program and successful completion of Blocks One and Two courses and associated field experiences; no grad credit; credit will not be granted if already received for ELED 4346)

29153 001 LEC, 10:00-10:50 MF, Montague Hall 151, In Person Term Based; Jennifer Frisch ; 2 cr.

4366 Teaching Elementary Social Studies I

(A-F only;)

29154 001 DIS, 14:00-15:15 TTh, Ed Endazhigikino'amaading 51, In Person Term Based; Lynn Brice ; 3 cr.

4367 Teaching Elementary Social Studies II

(A-F only; Prereq: Admission to IESE program and successful completion of Block One courses and associated field experience; no grad credit; credit will not be granted if already received for ELED 4367)

29155 001 DIS, 15:30-17:10 Th, Montague Hall 151, In Person Term Based; Lynn Brice ; 2 cr.

Inter-Institutional Cross-Reg (IICR)**1004 Inter-Institutional Cross Registration**

(Student Option;)

28820 001 LEC, In Person Term Based; 1-9 cr.

2004 Inter-Institutional Cross Registration

(Student Option;)

28821 001 LEC, In Person Term Based; 1-9 cr.

3003 Inter-Institutional Cross Registration

(Student Option;)

28822 001 LEC, In Person Term Based; 1-9 cr.

4002 Inter-Institutional Cross Registration

(Student Option;)

28823 001 LEC, In Person Term Based; 1-9 cr.

4003 Inter-Institutional Cross Registration

(Student Option; Prereq: No grad credit)

28824 001 LEC, In Person Term Based; 1-9 cr.

5001 Inter-Institutional Cross Registration

(Student Option; Prereq: instructor consent)

28825 001 LEC, In Person Term Based; 1-9 cr.

5002 Inter-Institutional Cross Registration

(Student Option;)

28826 001 LEC, In Person Term Based; 1-9 cr.

5003 Inter-Institutional Cross Registration

(Student Option;)

28827 001 LEC, In Person Term Based; 1-9 cr.

Interdisciplinary Studies (IS)**3093 Senior Project**

(A-F or Audit; Prereq: instructor consent; credit will not be granted if already received for IS 3099)

29313 001 IND, 00:00-00:00 , , Independent/Directed Study; Katie Van Wert, Apama Katre ; 1-10 cr.

International Studies (INTS)**1010 Introduction to International Studies**

(A-F or Audit; GLOBAL PER)

29705 001 LEC, 8:00- 8:50 MWF, Cina Hall 308, In Person Term Based; Mary Caprioli ; 3 cr.
29888 002 LEC, Completely Online; Mary Caprioli ; 3 cr.

Journalism (JOUR)

2001 Introduction to Journalism

(A-F or Audit;)
29476 001 LEC, 9:00- 9:50 MWF, Kirby Plaza 312, In Person Term Based; Chris Julin ; 3 cr.
29623 002 LEC, 10:00-10:50 MWF, Cina Hall 308, In Person Term Based; Chris Julin ; 3 cr.

2101 Journalist's Toolbox

(A-F or Audit; Prereq: 2001, WRIT 1120; credit will not be granted if already received for 3101)
37333 002 LEC, 15:30-16:45 TTh, Ed Endazhiglikino'amading 32, In Person Term Based; John Hatcher ; 3 cr.

3001 Local Journalism

(A-F or Audit; Prereq: 2001)
29492 001 LEC, 14:00-15:15 TTh, Engineering Building 177, In Person Term Based; John Hatcher ; 3 cr.

3401 Digital Storytelling

(A-F or Audit; Prereq: 2001)
29526 001 LEC, 13:00-14:50 MW, Heller Hall 216, In Person Term Based; Chris Julin ; 4 cr.

3700 Media Law and Ethics

(A-F or Audit; Prereq: Writ 1120)
29569 001 LEC, Completely Online; John Hatcher ; 3 cr.

4197 Journalism Internship

(S-N only; Prereq: 2001, 3700, minimum 60 credits, instructor consent, no grad credit)
29568 001 FWK, Independent/Directed Study; John Hatcher ; 1-3 cr.

Labovitz Schl of Business/Econ (LSBE)**397 LSBE Internship**

(S-N only;)
35768 001 FWK, In Person Term Based; Angie Soderberg ; 0 cr.

2000 Interpersonal and Teamwork Skills (A-F or Audit;)

33071 001 LEC, 8:00- 8:50 M, Labovitz Schl Bus & Econ 225, In Person Term Based; Antoinette Pearson ; 1 cr.
33072 002 LEC, 8:00- 8:50 W, Labovitz Schl Bus & Econ 225, In Person Term Based; Antoinette Pearson ; 1 cr.
33073 003 LEC, 8:00- 8:50 F, Labovitz Schl Bus & Econ 225, In Person Term Based; Antoinette Pearson ; 1 cr.
33074 004 LEC, 18:00-18:50 Th, Labovitz Schl Bus & Econ 125, In Person Term Based; Ekaterina Elgayeva ; 1 cr.

Lesb, Gay, Bi, Trans, Queer St (LGBT)**3152 History of the International Homosexual Rights Movement (1895 - present)**

(A-F or Audit; Prereq: WS 1000 or CST 2001GLOBAL PER)
29866 001 LEC, 17:00-19:50 M, Cina Hall 214, In Person Term Based; Chloe Diamond-Lenow ; 3 cr.

Limnology (LIM)**5010 Integrated Approaches to the Study of Inland Waters (A-F or Audit;)**

30695 001 LEC, 14:00-15:15 TTh, Research Lab Building 200, In Person Term Based; Sergei Katsev, Robert Sterner, Kathryn Schreiner, Byron Steinman ; 3 cr.

5011 Laboratory and Discussion in Integrated Approaches to the Study of Inland Waters (A-F or Audit;)

30696 001 LAB, 13:00-15:50 W, Research Lab Building 200, In Person Term Based; Sergei Katsev, Robert Sterner, Byron Steinman, Kathryn Schreiner ; 2 cr.

Linguistics (LING)**1811 Introduction to Linguistics**

(A-F or Audit; LOGIC & QR)

29474 001 LEC, 9:00- 9:50 MWF, Labovitz Schl Bus & Econ 165, In Person Term Based; William Salmon ; 3 cr.
29478 002 LEC, 8:00- 9:15 TTh, Labovitz Schl Bus & Econ 165, In Person Term Based; Sara Sowers-Wills ; 3 cr.

3101 Introduction to Phonology

(A-F or Audit; Prereq: 1811 or instructor consent)
29695 001 LEC, 11:00-12:15 TTh, Cina Hall 308, In Person Term Based; William Salmon ; 3 cr.

3103 Dimensions of Meaning

(A-F or Audit; Prereq: 1811)
29671 001 LEC, 8:00- 9:15 TTh, Kirby Plaza 385, In Person Term Based; William Salmon ; 3 cr.

3591 Independent Study in Linguistics

(A-F or Audit; Prereq: 1811 or instructor consent, department consent)
35754 001 IND, Independent/Directed Study; William Salmon ; 1-3 cr.

5852 Practicum in Teaching Linguistics

(A-F or Audit; Prereq: College Grad or Grad student)
29853 001 FWK, In Person Term Based; William Salmon ; 3 cr.

Management Studies (MGTS)**1101 Introduction to Business**

(A-F or Audit;)
31120 001 LEC, 15:30-16:45 TTh, Labovitz Schl Bus & Econ 135, In Person Term Based; Lai La Lunde ; 3 cr.

3301 Production and Operations

Management
(A-F or Audit; Prereq: LSBE candidate or approved non-LSBE business administration minor or college consent; credit will not be granted if already received for FMIS 3301)
31107 001 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 002 MGTS 3301; Wengqing Zhang ; 3 cr.

31108 003 LEC, 15:00-15:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 004 MGTS 3301; Wengqing Zhang ; 3 cr.
31109 002 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 001 MGTS 3301; Wengqing Zhang ; 3 cr.

31110 004 LEC, 15:00-15:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 003 MGTS 3301; Wengqing Zhang ; 3 cr.
31111 005 LEC, 9:30-10:45 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 006 MGTS 3301; Lai La Lunde ; 3 cr.

31112 006 LEC, 9:30-10:45 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 005 MGTS 3301; Lai La Lunde ; 3 cr.
31113 007 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 118, In Person Term Based; Meets With: 008 MGTS 3301; Lai La Lunde ; 3 cr.

31114 008 LEC, 12:30-13:45 TTh, Labovitz Schl Bus & Econ 118, In Person Term Based; Meets With: 007 MGTS 3301; Lai La Lunde ; 3 cr.

3401 Organizational Behavior and

Management
(A-F only; Prereq: LSBE candidate or business administration minor or approved Organizational Management minor or college consent)
30986 004 LEC, 18:00-20:40 T, Labovitz Schl Bus & Econ 135, In Person Term Based; Meets With: 003 MGTS 3401; Antoinette Pearson ; 3 cr.

31038 005 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 135, In Person Term Based; Meets With: 006 MGTS 3401; Antoinette Pearson ; 3 cr.
31039 002 LEC, 14:00-15:15 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 001 MGTS 3401; Jon Pierce ; 3 cr.

31040 003 LEC, 18:00-20:40 T, Labovitz Schl Bus & Econ 135, In Person Term Based; Meets With: 004 MGTS 3401; Antoinette Pearson ; 3 cr.
31041 007 LEC, 12:30-13:45 TTh, Engineering Building 290, In Person Term Based; Meets With: 008 MGTS 3401; Ekaterina Elgayeva ; 3 cr.

31042 008 LEC, 12:30-13:45 TTh, Engineering Building 290, In Person Term Based; Meets With: 007 MGTS 3401; Ekaterina Elgayeva ; 3 cr.
31075 006 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 135, In Person Term Based; Meets With: 005 MGTS 3401; Antoinette Pearson ; 3 cr.

31076 001 LEC, 14:00-15:15 TTh, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 002 MGTS 3401; Jon Pierce ; 3 cr.

3497 Organizational Management Internship

(A-F only; Prereq: LSBE candidate, prior major coursework and consent of internship director)
33064 001 FWK, In Person Term Based; Angie Soderberg ; 1-6 cr.

3801 Human Resource Management

(A-F only; Prereq: LSBE candidate or approved non-LSBE business administration or approved non-LSBE HRM minors or college consent)

30964 001 LEC, 18:00-20:40 Th, Labovitz Schl Bus & Econ 135, In Person Term Based; Meets With: 002 MGTS 3801; Stacy Johnston ; 3 cr.

30965 002 LEC, 18:00-20:40 Th, Labovitz Schl Bus & Econ 135, In Person Term Based; Meets With: 001 MGTS 3801; Stacy Johnston ; 3 cr.

30966 003 LEC, 14:00-15:15 TTh, Labovitz Schl Bus & Econ 135, In Person Term Based; Meets With: 004 MGTS 3801; Jannifer David ; 3 cr.

30985 004 LEC, 14:00-15:15 TTh, Labovitz Schl Bus & Econ 135, In Person Term Based; Meets With: 003 MGTS 3801; Jannifer David ; 3 cr.

31010 005 LEC, 9:00- 9:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 006 MGTS 3801; Lin Xiu ; 3 cr.

31011 006 LEC, 9:00- 9:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 005 MGTS 3801; Lin Xiu ; 3 cr.

31032 007 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 008 MGTS 3801; Lin Xiu ; 3 cr.

31033 008 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Meets With: 007 MGTS 3801; Lin Xiu ; 3 cr.

4411 High Performance Organization Design and Transformation

(A-F only; Prereq: 3401, LSBE candidate or college consent)

31064 001 LEC, 16:00-17:15 MW, Labovitz Schl Bus & Econ 225, In Person Term Based; Xin Liang ; 3 cr.

4431 Leadership Studies

(A-F only; Prereq: 3401, LSBE candidate or Non-LSBE Organizational Management minor or college consent)

31020 001 LEC, 11:00-12:15 TTh, Labovitz Schl Bus & Econ 265, In Person Term Based; Jon Pierce ; 3 cr.

4461 Business Ethics

(A-F only; Prereq: 3401, 3801, LSBE candidate or approved non-LSBE Organizational Management minor or college consent)

31080 001 LEC, 14:00-15:15 TTh, Labovitz Schl Bus & Econ 225, In Person Term Based; Geoffrey Bell ; 3 cr.

4472 Entrepreneurship

(A-F only; Prereq: LSBE candidate or approved non-LSBE Organizational Management minor or college consent)

31088 001 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 225, In Person Term Based; Raymond Jones ; 3 cr.
31091 002 LEC, 15:00-15:50 MWF, Labovitz Schl Bus & Econ 125, In Person Term Based; Raymond Jones ; 3 cr.

4473 Management of Innovation and Technology

(A-F only; Prereq: 3401, LSBE candidate or college consent)

31132 001 LEC, Completely Online; Raymond Jones ; 3 cr.

4475 Negotiations, Bargaining and Conflict Resolution

(A-F only; Prereq: LSBE candidate, 3401 or instructor consent)

31138 001 LEC, 12:00-12:50 MWF, Chemistry Building 251, In Person Term Based; Annalisa Peterson ; 3 cr.

4481 Strategic Management

(A-F only; Prereq: 3401, 3801, Mktg 3701, FMIS 3301 or MGTS 3301, FMIS 3601, 90 credits, LSBE candidate or college consent; no grad credit)

30975 001 LEC, 8:00- 9:15 TTh, Labovitz Schl Bus & Econ 225, In Person Term Based; Geoffrey Bell ; 3 cr.
30976 002 LEC, 15:30-16:45 TTh, Labovitz Schl Bus & Econ 233, In Person Term Based; Sarjajy Goel ; 3 cr.

30977 003 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 229, In Person Term Based; Meets With: 005 MGTS 3401; Xin Liang ; 3 cr.
31035 004 LEC, 12:00-12:50 MWF, Labovitz Schl Bus & Econ 129, In Person Term Based; Xin Liang ; 3 cr.

4821 Staffing Work Organizations

Room TBA, In Person Term Based; Bedassa Tadesse ; 2 cr.

8711 Strategic Marketing Management
(A-F or Audit; Prereq: Mktg 3701 or BUS 2700 or PMBA 2700 or equivalent, MBA student or college consent)

33527 001 LEC, 18:00-20:40 T, Labovitz Schl Bus & Econ 229, In Person Term Based; Praveen Aggarwal ; 3 cr.

8991 Independent Study

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

31102 001 IND, 00:00-00:00 , , Independent/Directed Study; Alan Roline ; 1-3 cr.

Master of Liberal Studies (MLS)

8001 Theories, Methods and Applications of Graduate Study

(A-F or Audit; Prereq: MLS candidate or instructor consent)

29687 001 LEC, 17:00-19:50 M, Bohannon Hall 343, 17:00-19:50 M, Bohannon Hall 343, 17:00-19:50 M, Bohannon Hall 343, 17:00-19:50 M, Bohannon Hall 343, 17:00-19:50 M, Bohannon Hall 343, 17:00-19:50 M, Bohannon Hall 343, Partially Online; David Beard ; 4 cr.

8591 Directed Study

(A-F or Audit; Prereq: MLS candidate or department consent)

29688 001 IND, 00:00-00:00 , , Independent/Directed Study; David Beard ; 1-8 cr.

29734 002 IND, Independent/Directed Study; Aparna Katre ; 1-8 cr.

Mathematics (MATH)

103 Basic Mathematics and Introductory Algebra

(S-N or Audit; Prereq: [3 cr equiv]; cannot apply cr toward a degree. (the preparatory course fee is equal to 3 credits of resident tuition))

35897 001 DIS, 9:00- 9:50 MF, Kathryn A Martin Library 206, In Person Term Based; Laura Carr ; 0 cr.

35898 002 DIS, 10:00-10:50 MF, Kathryn A Martin Library 206, In Person Term Based; Eugenie Ngandjeu Nya, Laura Carr ; 0 cr.

35899 003 DIS, 11:00-11:50 MF, Kathryn A Martin Library 206, In Person Term Based; Laura Carr ; 0 cr.

35900 004 DIS, 12:00-12:50 MF, Kathryn A Martin Library 206, In Person Term Based; Eugenie Ngandjeu Nya ; 0 cr.

35901 005 DIS, 13:00-13:50 MF, Kathryn A Martin Library 206, In Person Term Based; Eugenie Ngandjeu Nya, Laura Carr ; 0 cr.

1005 College Algebra

(A-F or Audit; Prereq: Math ACT 21 or higher or SSP 0103 or department consent)

30136 003 LEC, 11:00-11:50 W, Kathryn A Martin Library 206, In Person Term Based; Eugenie Ngandjeu Nya ; 5 cr.

30137 004 LEC, 12:00-12:50 W, Kathryn A Martin Library 206, In Person Term Based; Laura Carr ; 5 cr.

30165 001 LEC, 8:00- 9:50 W, Kathryn A Martin Library 206, In Person Term Based; Laura Carr ; 5 cr.

30345 002 LEC, 10:00-10:50 W, Kathryn A Martin Library 206, In Person Term Based; Laura Carr ; 5 cr.

34592 005 LEC, 13:00-13:50 W, Kathryn A Martin Library 206, In Person Term Based; Aaron Shepanik ; 5 cr.

34593 006 LEC, 14:00-14:50 W, Kathryn A Martin Library 206, In Person Term Based; Aaron Shepanik ; 5 cr.

1007 Algebra Review

(S-N or Audit; Prereq: Must be taken after or concurrently with MATH 1160 or 1250 or 1290 or 1296, a grade of C- or better in is required in all prerequisite courses)

30228 001 IND, 00:00-00:00 , ONLINE, Completely Online; Kate Niedzielski ; 1 cr.

1024 Introduction to Contemporary Mathematics

(A-F or Audit; Prereq: Math ACT 18 or higher or SSP 0103 or department consent, a grade of C- or better in is required in all prerequisite courses.LOGIC & QR)

30114 001 LEC, 12:00-12:50 MWF, Montague Hall 203, In Person Term Based; Rachel Breckenridge ; 3 cr.

1140 Mathematics for Elementary Education I

(A-F or Audit; Prereq: Pre-ESE and Math ACT 18 or higher or a grade of at least C- in SSP 103 or

department consent; credit will not be granted if already received for Math 1141.LOGIC & QR)

30550 001 LEC, 9:00- 9:50 MWF, Humanities Building 314, In Person Term Based; Carmen Latterell ; 3 cr.

1160 Finite Mathematics and Introduction to Calculus

(A-F or Audit; Prereq: Math ACT 24 or higher or a grade of at least C- in Math 1005 or department consent; if you have received credit for 1290 or 1296 or 1596, you will not receive credit for Math 1160.LOGIC & QR)

29932 001 LEC, 8:00- 8:50 MWF, Solon Campus Center 120, In Person Term Based; Aaron Shepanik ; 5 cr.

29933 002 DIS, 8:00- 8:50 TTh, A B Anderson Hall 445, In Person Term Based; 5 cr.

29934 003 DIS, 9:00- 9:50 Th, Chemistry Building 150, 9:00- 9:50 T, Ed Endazhi-gikino'amaading 40, In Person Term Based; Aaron Shepanik ; 5 cr.

29935 004 DIS, 10:00-10:50 TTh, Humanities Building 480, In Person Term Based; Aaron Shepanik ; 5 cr.

29936 005 DIS, 11:00-11:50 TTh, Engineering Building 118, In Person Term Based; 5 cr.

29937 006 DIS, 12:00-12:50 TTh, Ed Endazhi-gikino'amaading 32, In Person Term Based; Aaron Shepanik ; 5 cr.

29938 007 DIS, 13:00-13:50 TTh, Cina Hall 102, In Person Term Based; Aaron Shepanik ; 5 cr.

29939 008 LEC, 14:00-14:50 MWF, Life Sciences Bldg 185, In Person Term Based; Tom Sjoberg ; 5 cr.

29940 009 DIS, 8:00- 8:50 TTh, Ed Endazhi-gikino'amaading 40, In Person Term Based; Tom Sjoberg ; 5 cr.

29941 010 DIS, 9:00- 9:50 TTh, Sports and Health Center 210, In Person Term Based; Tom Sjoberg ; 5 cr.

29942 011 DIS, 10:00-10:50 TTh, Heller Hall 216, In Person Term Based; Tom Sjoberg ; 5 cr.

29943 012 DIS, 14:00-14:50 TTh, Kirby Plaza 385, In Person Term Based; Tom Sjoberg ; 5 cr.

29944 013 DIS, 15:00-15:50 TTh, Heller Hall 216, In Person Term Based; Tom Sjoberg ; 5 cr.

29945 014 DIS, 16:00-16:50 TTh, Ed Endazhi-gikino'amaading 36, In Person Term Based; Tom Sjoberg ; 5 cr.

30618 015 LEC, 15:00-15:50 MWF, Ed Endazhi-gikino'amaading 16, In Person Term Based; Aaron Shepanik ; 5 cr.

30619 016 DIS, 15:00-15:50 TTh, Chemistry Building 251, In Person Term Based; Aaron Shepanik ; 5 cr.

1250 Precalculus Analysis

(A-F or Audit; Prereq: Math ACT 24 or higher or a grade of at least C- in Math 1005 or department consent.LOGIC & QR)

33439 001 DIS, 8:00- 8:50 TTh, Kathryn A Martin Library 206, In Person Term Based; Tom Sjoberg ; 4 cr.

33440 002 DIS, 9:00- 9:50 TTh, Kathryn A Martin Library 206, In Person Term Based; Kate Niedzielski ; 4 cr.

33441 003 DIS, 10:00-10:50 TTh, Kathryn A Martin Library 206, In Person Term Based; Kate Niedzielski, Laura Carr ; 4 cr.

33442 004 DIS, 11:00-11:50 TTh, Kathryn A Martin Library 206, In Person Term Based; Tom Sjoberg ; 4 cr.

33443 005 DIS, 12:00-12:50 TTh, Kathryn A Martin Library 206, In Person Term Based; Eugenie Ngandjeu Nya ; 4 cr.

33444 006 DIS, 13:00-13:50 TTh, Kathryn A Martin Library 206, In Person Term Based; Eric Erdmann ; 4 cr.

33445 007 DIS, 15:00-15:50 TTh, Kathryn A Martin Library 206, In Person Term Based; Eric Erdmann ; 4 cr.

33446 008 DIS, 16:00-16:50 TTh, Kathryn A Martin Library 206, In Person Term Based; Eric Erdmann ; 4 cr.

1290 Calculus for the Natural Sciences

(A-F or Audit; Prereq: Math ACT 27 or higher or a grade of at least C- in Math 1250 or department consent.LOGIC & QR)

29957 001 LEC, 10:00-10:50 MWThF, Ed Endazhi-gikino'amaading 20, In Person Term Based; Angela Sharp ; 5 cr.

29958 002 LAB, 10:00-10:50 T, Kirby Plaza 143, In Person Term Based; Angela Sharp ; 5 cr.

29959 003 DIS, 11:00-11:50 TTh, Bohannon Hall 346, In Person Term Based; Angela Sharp ; 5 cr.

29964 006 DIS, 12:00-12:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29965 007 DIS, 13:00-13:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29966 008 DIS, 14:00-14:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29967 009 DIS, 15:00-15:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29968 010 DIS, 16:00-16:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29969 011 DIS, 17:00-17:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29970 012 DIS, 18:00-18:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29971 013 DIS, 19:00-19:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29972 014 DIS, 20:00-20:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29973 015 DIS, 21:00-21:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29974 016 DIS, 22:00-22:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29975 017 DIS, 23:00-23:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29976 018 DIS, 24:00-24:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29977 019 DIS, 25:00-25:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29978 020 DIS, 26:00-26:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29979 021 DIS, 27:00-27:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29980 022 DIS, 28:00-28:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29981 023 DIS, 29:00-29:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29982 024 DIS, 30:00-30:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29983 025 DIS, 31:00-31:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29984 026 DIS, 32:00-32:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29985 027 DIS, 33:00-33:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29986 028 DIS, 34:00-34:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29987 029 DIS, 35:00-35:50 TTh, Cina Hall 106, In Person Term Based; Angela Sharp ; 5 cr.

29965 007 DIS, 13:00-13:50 TTh, Cina Hall 224, In Person Term Based; Angela Sharp ; 5 cr.

29966 008 LEC, 11:00-11:50 MWF, Life Sciences Bldg 175, In Person Term Based; Angela Sharp ; 5 cr.

29967 009 DIS, 9:00- 9:50 TTh, Humanities Building 480, In Person Term Based; Angela Sharp ; 5 cr.

29968 010 DIS, 10:00-10:50 TTh, Chemistry Building 251, In Person Term Based; Angela Sharp ; 5 cr.

29969 011 DIS, 11:00-11:50 TTh, Ed Endazhi-gikino'amaading 32, In Person Term Based; Angela Sharp ; 5 cr.

29970 012 DIS, 12:00-12:50 TTh, Cina Hall 102, In Person Term Based; Angela Sharp ; 5 cr.

29971 013 DIS, 13:00-13:50 TTh, Kirby Plaza 312, In Person Term Based; Angela Sharp ; 5 cr.

29972 014 DIS, 14:00-14:50 TTh, Engineering Building 280, In Person Term Based; Angela Sharp ; 5 cr.

30089 015 LEC, 13:00-13:50 MWF, Bohannon Hall 90, In Person Term Based; Tracy Bibelnieks ; 5 cr.

30091 016 DIS, 11:00-11:50 TTh, Ed Endazhi-gikino'amaading 36, In Person Term Based; Tracy Bibelnieks ; 5 cr.

30155 017 DIS, 12:00-12:50 TTh, Ed Endazhi-gikino'amaading 36, In Person Term Based; Tracy Bibelnieks ; 5 cr.

30175 018 DIS, 13:00-13:50 TTh, Cina Hall 106, In Person Term Based; Tracy Bibelnieks ; 5 cr.

30176 019 DIS, 14:00-14:50 TTh, Ed Endazhi-gikino'amaading 50, In Person Term Based; Tracy Bibelnieks ; 5 cr.

30177 020 DIS, 15:00-15:50 TTh, Engineering Building 280, In Person Term Based; Tracy Bibelnieks ; 5 cr.

30178 021 DIS, 16:00-16:50 TTh, Ed Endazhi-gikino'amaading 20, In Person Term Based; Tracy Bibelnieks ; 5 cr.

30593 022 LEC, 14:00-14:50 MWF, Ed Endazhi-gikino'amaading 17, In Person Term Based; Tracy Bibelnieks ; 5 cr.

30594 023 DIS, 14:00-14:50 TTh, Swenson Civil Engineering 265, In Person Term Based; Tracy Bibelnieks ; 5 cr.

30635 024 LEC, 12:00-12:50 MWF, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30636 025 DIS, 12:00-12:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30637 026 DIS, 13:00-13:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30638 027 DIS, 14:00-14:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30639 028 DIS, 15:00-15:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30640 029 DIS, 16:00-16:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30641 030 DIS, 17:00-17:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30642 031 DIS, 18:00-18:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30643 032 DIS, 19:00-19:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30644 033 DIS, 20:00-20:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30645 034 DIS, 21:00-21:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30646 035 DIS, 22:00-22:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30647 036 DIS, 23:00-23:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30648 037 DIS, 24:00-24:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30649 038 DIS, 25:00-25:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30650 039 DIS, 26:00-26:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30651 040 DIS, 27:00-27:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30652 041 DIS, 28:00-28:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30653 042 DIS, 29:00-29:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30654 043 DIS, 30:00-30:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30655 044 DIS, 31:00-31:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30656 045 DIS, 32:00-32:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30657 046 DIS, 33:00-33:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30658 047 DIS, 34:00-34:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30659 048 DIS, 35:00-35:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30660 049 DIS, 36:00-36:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30661 050 DIS, 37:00-37:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30662 051 DIS, 38:00-38:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30663 052 DIS, 39:00-39:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30664 053 DIS, 40:00-40:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30665 054 DIS, 41:00-41:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30666 055 DIS, 42:00-42:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30667 056 DIS, 43:00-43:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30668 057 DIS, 44:00-44:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30669 058 DIS, 45:00-45:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30670 059 DIS, 46:00-46:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30671 060 DIS, 47:00-47:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30672 061 DIS, 48:00-48:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30673 062 DIS, 49:00-49:50 TTh, Kirby Plaza 312, In Person Term Based; Eric Erdmann ; 5 cr.

30674

(S-N or Audit; Prereq: 1290 or 1296 or 1596, SSP 3003, instructor consent, a grade of C- or better in is required in all prerequisite courses)

29980 001 FWK, 00:00-00:00 , , Independent/Directed Study; Carmen Latterell ; 1-2 cr.

3280 Differential Equations with Linear Algebra

(A-F or Audit; Prereq: A grade of at least C- in 1297 or 1597)

29981 001 LEC, 8:00- 8:50 MWThF, Solon Campus Center 21, In Person Term Based; Kristine Snyder ; 4 cr.

29982 002 LAB, 8:00- 8:50 T, Montague Hall 209, In Person Term Based; Kristine Snyder ; 4 cr.

29983 004 LAB, 9:00- 9:50 T, Montague Hall 209, In Person Term Based; 4 cr.

29984 005 LEC, 10:00-10:50 MWThF, Ed Endazhigikino'amaading 40, In Person Term Based; Guihua Fei ; 4 cr.

29985 006 LAB, 10:00-10:50 T, Montague Hall 209, In Person Term Based; Guihua Fei ; 4 cr.

30139 007 LEC, 11:00-11:50 MWThF, Solon Campus Center 21, In Person Term Based; Marshall Hampton ; 4 cr.

30140 008 LAB, 11:00-11:50 T, Montague Hall 209, In Person Term Based; Marshall Hampton ; 4 cr.

30156 009 LEC, 12:00-12:50 MWThF, Ed Endazhigikino'amaading 17, In Person Term Based; Richard Buckalew ; 4 cr.

30157 010 LAB, 12:00-12:50 T, Montague Hall 209, In Person Term Based; Richard Buckalew ; 4 cr.

30184 012 LAB, 13:00-13:50 T, Montague Hall 209, In Person Term Based; Diana Colt ; 4 cr.

30346 011 LEC, 13:00-13:50 MWThF, Solon Campus Center 21, In Person Term Based; Diana Colt ; 4 cr.

30453 003 LEC, 9:00- 9:50 MWThF, Ed Endazhigikino'amaading 40, In Person Term Based; Steven Trogdon ; 4 cr.

30463 013 LEC, 14:00-14:50 MWThF, Solon Campus Center 21, In Person Term Based; Diana Colt ; 4 cr.

30464 014 LAB, 14:00-14:50 T, Kirby Plaza 143, In Person Term Based; Diana Colt ; 4 cr.

30689 015 LEC, 15:00-15:50 MWThF, Ed Endazhigikino'amaading 40, In Person Term Based; Zhuangyi Liu ; 4 cr.

30690 016 LAB, 15:00-15:50 T, Kirby Plaza 143, In Person Term Based; Zhuangyi Liu ; 4 cr.

3298 Calculus III

(A-F or Audit; Prereq: A grade of at least C- in 1297 or 1597)

29986 001 LEC, 9:00- 9:50 MTWF, Solon Campus Center 21, In Person Term Based; Marshall Hampton ; 4 cr.

29987 002 LAB, 9:00- 9:50 Th, Montague Hall 209, In Person Term Based; Marshall Hampton ; 4 cr.

29988 004 LAB, 10:00-10:50 Th, Montague Hall 209, In Person Term Based; 4 cr.

30309 005 LEC, 12:00-12:50 MTWF, Solon Campus Center 21, In Person Term Based; Chad Pierson ; 4 cr.

30310 006 LAB, 12:00-12:50 Th, Montague Hall 209, In Person Term Based; Chad Pierson ; 4 cr.

30371 003 LEC, 10:00-10:50 MTWF, Ed Endazhigikino'amaading 36, In Person Term Based; Rachel Breckenridge ; 4 cr.

30633 007 LEC, 13:00-13:50 MTWF, Ed Endazhigikino'amaading 50, In Person Term Based; Zhuangyi Liu ; 4 cr.

30634 008 LAB, 13:00-13:50 Th, Montague Hall 209, In Person Term Based; Zhuangyi Liu ; 4 cr.

30687 009 LEC, 15:00-15:50 MTWF, Solon Campus Center 21, In Person Term Based; Rachel Breckenridge ; 4 cr.

30688 010 LAB, 15:00-15:50 Th, Kirby Plaza 143, In Person Term Based; Rachel Breckenridge ; 4 cr.

3326 Vectors and Matrices

(A-F or Audit; Prereq: 1296 with a grade of C- or better)

30462 001 LEC, 9:00- 9:50 MWF, A B Anderson Hall 245, In Person Term Based; Diana Colt ; 3 cr.

3355 Discrete Mathematics

(A-F or Audit; Prereq: 1297 or 1597 or instructor consent, a grade of C- or better in is required in all prerequisite courses)

29989 001 LEC, 9:00- 9:50 Th, Solon Campus Center 21, 9:00- 9:50 MWF, Ed Endazhigikino'amaading 50, In Person Term Based; Bethany Kubik ; 4 cr.

30377 002 LEC, 10:00-10:50 MWThF, Solon Campus Center 21, In Person Term Based; Bethany Kubik ; 4 cr.

3941 Undergraduate Colloquium

(S-N or Audit; Prereq: Math major or minor, department consent; must register during semester of 16th point)

29990 001 LEC, 15:20-16:30 Th, Humanities Building 314, In Person Term Based; Joseph Gallian ; 1 cr.

4201 Elementary Real Analysis

(A-F or Audit; Prereq: 3280, 3355, a grade of C- or better in is required in all prerequisite courses, no grad credit; credit will not be granted if already received for 3299)

30200 001 LEC, 10:00-10:50 MWThF, Ed Endazhigikino'amaading 50, In Person Term Based; Kristine Snyder ; 4 cr.

4240 Applied Mathematics: Operational Methods

(A-F or Audit; Prereq: 3280 with a grade of C- or better)

30349 001 LEC, 9:00- 9:50 MWF, Chemistry Building 251, In Person Term Based; Guihua Fei ; 3 cr.

4326 Linear Algebra

(A-F or Audit; Prereq: A grade of at least C- in 3280, 3355, no grad credit)

30125 001 LEC, 15:00-15:50 MWF, James I Swenson Sci Bldg 216, In Person Term Based; John Greene ; 3 cr.

4370 Introduction to Abstract Algebra for Teaching Majors

(A-F or Audit; Prereq: 3355, 4326 or 3280, a grade of C- or better in is required in all prerequisite courses, teaching math major, cannot be used for math major elective; credit will not be granted if already received for Math 4371; no grad cr)

30202 001 LEC, 8:00- 8:50 MWF, Ed Endazhigikino'amaading 20, In Person Term Based; Carmen Latterell ; 3 cr.

5201 Real Variables

(A-F or Audit; Prereq: 4201 with a grade of C- or better)

30203 001 LEC, 15:00-16:05 MWF, Montague Hall 203, In Person Term Based; Richard Buckalew ; 4 cr.

5260 Dynamical Systems

(Student Option; Prereq: 3280 with a grade of C- or better)

31971 001 LEC, 9:00- 9:50 MWF, Labovitz Schl Bus & Econ 265, In Person Term Based; Bruce Peckham ; 3 cr.

5347 Applied Algebra and Cryptology

(A-F or Audit;)

30842 001 LEC, 12:00-12:50 MWF, Heller Hall 216, In Person Term Based; Bethany Kubik ; 3 cr.

5366 Enumerative Combinatorics

(A-F or Audit; Prereq: 3355 with a grade of C- or better)

30460 001 LEC, 13:00-13:50 MWF, Ed Endazhigikino'amaading 40, In Person Term Based; John Greene ; 3 cr.

5371 Abstract Algebra I

(A-F or Audit; Prereq: 3355 or 4326 with a grade of C- or better or grad standing or instructor consent)

29991 001 LEC, 14:00-14:50 MWF, Ed Endazhigikino'amaading 40, In Person Term Based; Joseph Gallian ; 3 cr.

5830 Numerical Analysis: Approximation and Quadrature

(Student Option; Prereq: 3280 or 4326 with a grade of C- or better, proficiency in FORTRAN or C or C++)

29996 001 LEC, 11:00-11:50 MWF, Ed Endazhigikino'amaading 32, In Person Term Based; Steven Trogdon ; 4 cr.

5991 Independent Study

(A-F or Audit; Prereq: department consent; Maximum 6 credits to a grad program.)

30078 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

30079 012 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

30674 020 IND, In Person Term Based; 1-4 cr.

30901 022 IND, Independent/Directed Study; 1-4 cr.

8333 FTE: Master's

(No Grade Associated; Prereq: Master's student, adviser and DGS consent)

30093 001 IND, 00:00-00:00 , , Independent/Directed Study; 1 cr.

8774 Plan B Final Project Research

(A-F or Audit;)

35912 001 IND, Independent/Directed Study; Tracy Bibelnicks ; 1-3 cr.

35913 002 IND, Independent/Directed Study; Richard Buckalew ; 1-3 cr.

35914 003 IND, Independent/Directed Study; Thierry Chekouo Tekougang ; 1-3 cr.

35915 004 IND, Independent/Directed Study; Guihua Fei ; 1-3 cr.

35916 005 IND, Independent/Directed Study; Joseph Gallian ; 1-3 cr.

35917 006 IND, Independent/Directed Study; Richard Green ; 1-3 cr.

35918 007 IND, Independent/Directed Study; John Greene ; 1-3 cr.

35919 008 IND, Independent/Directed Study; Marshall Hampton ; 1-3 cr.

35920 009 IND, Independent/Directed Study; Bethany Kubik ; 1-3 cr.

35921 010 IND, Independent/Directed Study; Carmen Latterell ; 1-3 cr.

35922 011 IND, Independent/Directed Study; Xuan Li ; 1-3 cr.

35923 012 IND, Independent/Directed Study; Yang Li ; 1-3 cr.

35924 013 IND, Independent/Directed Study; Zhuangyi Liu ; 1-3 cr.

35925 014 IND, Independent/Directed Study; Juming Pan ; 1-3 cr.

35926 015 IND, Independent/Directed Study; Bruce Peckham ; 1-3 cr.

35927 016 IND, Independent/Directed Study; Yongcheng Qi ; 1-3 cr.

35928 017 IND, Independent/Directed Study; Kristine Snyder ; 1-3 cr.

35929 018 IND, Independent/Directed Study; Dalibor Froncek ; 1-3 cr.

35930 019 IND, Independent/Directed Study; Steven Trogdon ; 1-3 cr.

8777 Thesis Credits: Master's

(No Grade Associated; Prereq: Maximum 18 credits per semester or summer; 10 credits total required (Plan A only))

30187 007 IND, 00:00-00:00 , , Independent/Directed Study; John Greene ; 1-18 cr.

30188 014 IND, 00:00-00:00 , , Independent/Directed Study; Marshall Hampton ; 1-18 cr.

8980 Graduate Seminar

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

30005 001 LEC, 16:00-16:50 T, Solon Campus Center 21, In Person Term Based; Steven Trogdon ; 1 cr.

8994 Directed Research

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

30080 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

30081 006 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

30082 009 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

30083 010 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

30084 011 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

30085 012 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

30086 013 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

Mechanical Engineering (ME)

2105 Introduction to Material Science for Engineers

(A-F or Audit; Prereq: Chem 1151 or 1153 and 1154; credit will not be granted if previously given for Engr 2110 or IE 2105.)

30306 001 LEC, 14:00-14:50 MWF, Voss-Kovach Hall 221, In Person Term Based; Abigail Clarke-Sather ; 3 cr.

30307 002 LEC, 9:00- 9:50 MWF, Voss-Kovach Hall 221, In Person Term Based; Jong Beom Lee ; 3 cr.

30789 003 LEC, 11:00-11:50 MWF, Voss-Kovach Hall 221, In Person Term Based; Jake Dryke ; 3 cr.

2211 Thermodynamics

(A-F or Audit; Prereq: PHYS 2013; credit will not be granted if already received for ME 3211SUSTAIN)

30211 001 LEC, 13:00-13:50 MWF, Chemistry Building 150, In Person Term Based; Nesrin Ozalp ; 3 cr.

30625 002 LEC, 14:00-14:50 MWF, Engineering Building 290, In Person Term Based; Brian Kohn ; 3 cr.

2226 Dynamics

(A-F or Audit; Prereq: CE 2017 and Math 3280 (concurrent registration allowed))

30373 001 LEC, 10:00-10:50 MWF, Engineering Building 290, In Person Term Based; Hossain Khorroosi ; 3 cr.

30790 002 LEC, 15:00-16:15 WF, Voss-Kovach Hall 221, In Person Term Based; Hossain Khorroosi ; 3 cr.

3111 Fluid Mechanics

(A-F or Audit; Prereq: Engr 2026 or ME 2226, ME 2211 or 3211, BSME candidate or instructor consent; credit

will not be granted if already received for ChE 3111 or CE 3221)

30258 001 LEC, 8:00- 9:15 TTh, Montague Hall 203, In Person Term Based; Puttagounder Dhanasekaran Swaminathan ; 3 cr.
30791 002 LEC, 9:30-10:45 TTh, Voss-Kovach Hall 115, In Person Term Based; Brian Kohn ; 3 cr.

3140 System Dynamics and Control

(A-F or Audit; Prereq: CS 1121 or 1411 or 1511 or 2121, EE 2006, Math 3280, BSME candidate or instructor consent)

30229 001 LEC, 16:00-17:15 W, Engineering Building 204, 16:00-17:15 MW, Engineering Building 290, In Person Term Based; Subramanian Ramakrishnan ; 3 cr.
30793 002 LEC, 8:00- 9:15 Th, Engineering Building 204, 8:00- 9:15 TTh, Engineering Building 118, In Person Term Based; Subramanian Ramakrishnan ; 3 cr.

3222 Controls and Kinematics Laboratory

(A-F only; Prereq: 3140 with a grade of C- or better and 3230 (concurrent registration allowed))

30252 001 LEC, 12:00-12:50 F, Engineering Building 118, 12:00-12:50 F, Engineering Building 290, In Person Term Based; Debao Zhou, Danielle Werner ; 2 cr.
30253 002 LAB, 13:00-14:50 T, Voss-Kovach Hall 106, In Person Term Based; Danielle Werner ; 2 cr.
30267 004 LAB, 8:00- 9:50 T, Voss-Kovach Hall 106, In Person Term Based; Debao Zhou ; 2 cr.
30621 005 LAB, 11:00-12:50 T, Voss-Kovach Hall 106, In Person Term Based; Debao Zhou ; 2 cr.
30647 003 LAB, 8:00- 9:50 Th, Voss-Kovach Hall 106, In Person Term Based; Danielle Werner ; 2 cr.

3230 Kinematics and Mechatronics

(A-F only; Prereq: 3140, Math 3298)

30260 001 LEC, 10:00-10:50 MWF, Engineering Building 204, In Person Term Based; Tarek Al-Geddawy ; 3 cr.
30794 002 LEC, 8:00- 8:50 MWF, Engineering Building 204, In Person Term Based; Danielle Werner ; 3 cr.

4060 Machine Vision and Image Based Robot Control

(A-F or Audit; Prereq: CS 1511, Math 3280, ME 3140 or equivalent; no grad credit)

33400 001 LEC, 9:00- 9:50 MWF, Engineering Building 208, In Person Term Based; Meets With: 001 ME 5060; Debao Zhou ; 3 cr.

4112 Heat and Mass Transfer

(A-F or Audit; Prereq: 3111, Math 3298, BSME or BSChE candidate or instructor consent)

30171 001 LEC, 13:00-13:50 MWF, Engineering Building 290, In Person Term Based; Daniel Pope ; 3 cr.
33401 002 LEC, 15:00-15:50 MWF, Engineering Building 290, In Person Term Based; Nesrin Ozalp ; 3 cr.

4122 Heat Transfer, Thermodynamics and Fluid Mechanics Laboratory

(A-F or Audit; Prereq: Must be taken after or concurrently with ME 4112 or ChE 3112 or instructor consent, BSME candidate)

30172 001 LEC, 11:00-11:50 M, Engineering Building 290, In Person Term Based; Venkata Gireesh Menta, Danielle Werner ; 2 cr.
30173 002 LAB, 8:00- 9:50 Th, Voss-Kovach Hall 164, In Person Term Based; Venkata Gireesh Menta, Danielle Werner ; 2 cr.
30174 003 LAB, 11:00-12:50 T, Voss-Kovach Hall 164, In Person Term Based; Venkata Gireesh Menta, Danielle Werner ; 2 cr.
30255 004 LAB, 13:00-14:50 T, Voss-Kovach Hall 164, In Person Term Based; Venkata Gireesh Menta, Danielle Werner ; 2 cr.
30308 005 LAB, 8:00- 9:50 T, Voss-Kovach Hall 164, In Person Term Based; Venkata Gireesh Menta, Danielle Werner ; 2 cr.

4145 CAD/CAM

(A-F or Audit; Prereq: IE 1225 or Engr 1222, Engr 2016 or CE 2017, BSME cand, or instructor consent; credit will not be granted if already received for IE 4145)

30066 001 LEC, 9:00- 9:50 F, Engineering Building 204, 9:00- 9:50 MWF, Montague Hall 80, In Person Term Based; Michael Greminger ; 4 cr.
30067 002 LAB, 8:00- 9:50 T, Kirby Plaza 143, In Person Term Based; Michael Greminger ; 4 cr.
30068 003 LAB, 15:00-16:50 Th, Engineering Building 204, In Person Term Based; Michael Greminger ; 4 cr.

4175 Machine Design

(A-F or Audit; Prereq: Engr 2016 or CE 2017 and ME 2105, BSME candidate or instructor consent; credit will not be granted if already received for IE 4175)

29997 001 LEC, 14:00-14:50 MWF, Engineering Building 177, In Person Term Based; Puttagounder Dhanasekaran Swaminathan ; 3 cr.
30795 002 LEC, 12:00-12:50 MWF, Voss-Kovach Hall 221, In Person Term Based; Jong Beom Lee ; 3 cr.

4196 Cooperative Education

(A-F or Audit; Prereq: BSME candidate, instructor consent, no grad credit)

30191 001 FWK, 00:00-00:00 , Independent/Directed Study; Daniel Pope ; 1 cr.

4197 Mechanical Engineering Internship

(A-F or Audit;)

33402 001 IND, In Person Term Based; Daniel Pope ; 1 cr.

4255 Multidisciplinary Senior Design

(A-F or Audit; Prereq: EMGT4110 and [(ME4112 & ME3230) or (ME4112 & ME4175) or (ME3230 & ME4175)] or instructor consent, no grad credit)

30362 001 LEC, 15:00-16:50 T, M W Alworth Hall 195, In Person Term Based; Meets With: 001 IE 4255; Jose Carrillo, Jong Beom Lee ; 4 cr.
30363 002 LAB, 13:00-16:50 Th, Engineering Building 260, In Person Term Based; Meets With: 002 IE 4255; Jose Carrillo, Jong Beom Lee ; 4 cr.

4296 Cooperative Education II

(A-F or Audit; Prereq: 4196 or IE 4196; no grad credit)

30514 001 FWK, 00:00-00:00 , Independent/Directed Study; Daniel Pope ; 2 cr.

4297 Mechanical Engineering Internship

(A-F or Audit;)

33403 001 IND, In Person Term Based; Daniel Pope ; 2 cr.

4491 Independent Study in Mechanical Engineering

(Student Option; Prereq: Senior standing in engineering discipline, instructor consent)

30192 001 IND, 00:00-00:00 , Independent/Directed Study; Alison Hoxie ; 1-4 cr.
36827 002 IND, Independent/Directed Study; Jose Carrillo ; 1-4 cr.
37182 003 IND, Independent/Directed Study; Nesrin Ozalp ; 1-4 cr.
37183 004 IND, Independent/Directed Study; Jong Beom Lee ; 1-4 cr.

5060 Machine Vision and Image Based Robot Control

(A-F or Audit;)

36143 001 LEC, 9:00- 9:50 MWF, Engineering Building 208, In Person Term Based; Meets With: 001 ME 4060; Debao Zhou ; 3 cr.

5210 Advanced Thermal Fluid Sciences

(A-F or Audit;)

33408 001 LEC, 13:00-13:50 MWF, Voss-Kovach Hall 115, In Person Term Based; Alison Hoxie ; 3 cr.

5325 Sustainable Energy System

(A-F only; Prereq: 3211, BSChE or BSECE or BSIE or BSME candidate, and instructor consent)

33411 001 LEC, 11:00-11:50 W, Voss-Kovach Hall 115, 11:00-12:50 M, Voss-Kovach Hall 115, In Person Term Based; Alison Hoxie ; 3 cr.

5335 Introduction to Finite Element Analysis

(A-F only; Prereq: Engr 2016, BSME or BSIE or MSEM candidate or instructor consent)

30350 001 LEC, 15:00-15:50 F, Engineering Building 204, 15:00-15:50 MWF, A B Anderson Hall 245, In Person Term Based; Michael Greminger ; 3 cr.

5345 Smart Materials and Structures

(A-F or Audit; Prereq: 3140, 3222)

33412 001 LEC, 14:00-14:50 MWF, Voss-Kovach Hall 115, In Person Term Based; Ping Zhao ; 3 cr.

5991 Independent Study in Mechanical Engineering

(Student Option; Prereq: MSEM candidate, department consent)

33414 001 IND, In Person Term Based; Jose Carrillo ; 1-4 cr.

8777 Thesis Credits: Master?s

(A-F or Audit;)

37158 001 IND, Independent/Directed Study; Debao Zhou ; 1-10 cr.
37160 003 IND, Independent/Directed Study; Nesrin Ozalp ; 1-10 cr.

8993 Graduate Seminar

(S-N or Audit;)

34851 001 DIS, 12:00-12:50 W, Chemistry Building 150, In Person Term Based; Meets With: 001 IE 4993001 EMGT 8993; Puttagounder Dhanasekaran Swaminathan ; 1 cr.

Medicine (MED)

693 Directed Study

(P-N only; Prereq: Regis Med Student)

30910 001 IND, 00:00-00:00 , Independent/Directed Study; Robin Michaels ; 3-12 cr.

5085 Medical Research Ethics, Responsible Conduct of Research

(S-N only; Prereq: instructor consent)

30927 001 LEC, 00:00-00:00 , In Person Term Based; George Trachte ; 1 cr.

6023 Seminars in Indian Health

(P-N or Audit; Prereq: 2nd year med student)

32924 001 LEC, In Person Term Based; Mary Owen ; 1-2 cr.

6102 Introduction to Rural Family Medicine

(P-N only; Prereq: Registered medical student)

30929 001 LEC, 8:00-17:00 MTWThF, School of Medicine 142, In Person Term Based; Ruth Westra ; 4 cr.

6520 Foundations of Medicine

(P-N only; Prereq: Regis med student)

30911 001 LEC, In Person Term Based; Aubie Shaw ; 10 cr.

6530 Rural Medical Scholars Program I (RMSP I)

(P-N only; Prereq: Medical School Student)

32923 001 IND, In Person Term Based; Raymond Christensen ; 4 cr.

6531 Rural Medical Scholars Program II (RMSP II)

(P-N only; Prereq: Medical Student)

32926 001 IND, In Person Term Based; Raymond Christensen ; 4 cr.

6566 Cardiovascular Respiratory, Renal, Acid-Base Medicine 1

(P-N only; Prereq: Regis med student)

30920 001 LEC, 00:00-00:00 , In Person Term Based; Kendra Nordgren ; 7 cr.

6728 Cardiovascular Respiratory, Renal, Acid-Base Medicine 2

(P-N only; Prereq: Registered med student)

30912 001 LEC, 00:00-00:00 , In Person Term Based; Kendra Nordgren ; 10 cr.

6788 Skin/Musculoskeletal System

(P-N only; Prereq: Registered med student)

30930 001 LEC, 00:00-00:00 , In Person Term Based; Kevin Diebel ; 10 cr.

Multi-Inst Cross Registration (MULT)

1 Multi-Institution Cross Registration

(No Grade Associated;)

31844 001 LEC, In Person Term Based; 0 cr.

Museum Studies (MST)

1100 Introduction to Museums

(A-F or Audit;)

29750 001 LEC, 11:00-11:50 Th, Darland Admin Bldg 16A, 11:00-12:50 T, Darland Admin Bldg 16A, In Person Term Based; David Woodward ; 3 cr.

1200 Introduction to Public History

(A-F or Audit;)

29751 001 LEC, 15:00-15:50 MWF, Cina Hall 102, In Person Term Based; David Woodward ; 3 cr.

Music (MU)

100 Recital Hour

(S-N only; Prereq: Concurrent registration in applied instruction)

31294 001 LAB, In Person Term Based; Jefferson Campbell ; 0 cr.
31356 002 LAB, In Person Term Based; Jefferson Campbell ; 0 cr.

200 Basic Piano Proficiency

(S-N only; Prereq: 1421, 1422, 2422)
31632 001 IND, Independent/Directed Study; Tracy Lipke-Perry ; 0 cr.

250 Advanced Piano Proficiency

(S-N only; Prereq: 200)
31755 001 IND, Independent/Directed Study; Tracy Lipke-Perry ; 0 cr.

300 Advanced Standing Exam

(S-N only; Prereq: three semesters of 1xxx level applied study, department consent)
31633 001 IND, Independent/Directed Study; William Barnard ; 0 cr.
31711 002 IND, Independent/Directed Study; Bradley Bombardier ; 0 cr.
31712 003 IND, Independent/Directed Study; Jefferson Campbell ; 0 cr.
31713 004 IND, Independent/Directed Study; ; 0 cr.
31714 005 IND, Independent/Directed Study; Derek Bromme ; 0 cr.
31715 006 IND, Independent/Directed Study; Ryan Frane ; 0 cr.
31716 007 IND, Independent/Directed Study; Betsy Husby ; 0 cr.
31717 008 IND, Independent/Directed Study; Rachel Inselman ; 0 cr.
31718 009 IND, Independent/Directed Study; Eugene Koshinski ; 0 cr.
31719 010 IND, Independent/Directed Study; Elias MOKOLE ; 0 cr.
31720 011 IND, Independent/Directed Study; Jean Perrault ; 0 cr.
31721 012 IND, Independent/Directed Study; Thomas Protenhauer ; 0 cr.
31722 013 IND, Independent/Directed Study; James Pospisil ; 0 cr.
31723 014 IND, Independent/Directed Study; Alice Pierce ; 0 cr.
31724 015 IND, Independent/Directed Study; Paula Gudmundson ; 0 cr.
31725 016 IND, Independent/Directed Study; Theodore Schoen ; 0 cr.
31726 017 IND, Independent/Directed Study; Tracy Lipke-Perry ; 0 cr.
31727 018 IND, Independent/Directed Study; ; 0 cr.
31728 019 IND, Independent/Directed Study; ; 0 cr.
31729 020 IND, Independent/Directed Study; Mark Whitlock ; 0 cr.
31730 021 IND, Independent/Directed Study; ; 0 cr.

1001 Introduction to Music

(Student Option; Prereq: Not for music majors or minors FINE ARTS, GLOBAL PER)
31324 001 LEC, 15:00-15:50 MWF, Bohannon Hall 90, In Person Term Based; Brett Linski ; 3 cr.
31779 003 LEC, Completely Online; Justin Rubin ; 3 cr.

1005 Jazz Studies

(A-F only; CDIVERSITY, FINE ARTS)
31292 001 LEC, 11:00-11:50 MWF, Montague Hall 70, In Person Term Based; William Barnard ; 3 cr.
31293 002 LEC, 12:00-12:50 MWF, Montague Hall 70, In Person Term Based; William Barnard, Julie Topie ; 3 cr.

1007 Cultural Diversity in the United States through the History of Rock and Roll

(A-F or Audit; CDIVERSITY)
33119 001 LEC, 10:00-10:50 MWF, Montague Hall 70, In Person Term Based; Joshua Skinner ; 3 cr.

1111 Tonal Harmony I

(A-F or Audit; Prereq: Music major or music minor; credit will not be granted if already received for Mu 1010 or Th 1114)
31383 001 LEC, 8:00- 8:50 MWF, Weber Music Hall 206, In Person Term Based; Brian Buckstead ; 3 cr.
31634 002 LEC, 8:00- 8:50 MWF, Humanities Building 222, In Person Term Based; Bradley Bombardier ; 3 cr.

1112 Ear-Training and Sight-Singing I

(A-F only; Prereq: Music major or music minor; credit will not be granted if already received for Mu 1112 or Th 1114)
31384 001 LAB, 8:00- 8:50 TTh, Humanities Building 150, In Person Term Based; Elizabeth Fisher ; 1 cr.
31385 002 LAB, 8:00- 8:50 TTh, Humanities Building 222, In Person Term Based; Derek Bromme ; 1 cr.

1311 Voice-Major

(A-F only; Prereq: Music major, department consent, performance majors register for 3 cr., all others register for 2 cr.)
31247 001 LAB, 15:00-15:50 F, Room TBA, In Person Term Based; Rachel Inselman, Elias MOKOLE, Alice Pierce ; 2-3 cr.
31301 002 LAB, 15:00-15:50 F, Room TBA, In Person Term Based; Rachel Inselman, Elias MOKOLE, Alice Pierce ; 2-3 cr.

1312 Voice-Non Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument; may be repeated)
31248 001 LAB, In Person Term Based; Rachel Inselman, Marcus McConico, Elias MOKOLE, Alice Pierce, John Pierce, Elizabeth Fisher ; 1 cr.

1321 Piano-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31254 001 LAB, In Person Term Based; Tracy Lipke-Perry ; 2-3 cr.
31302 002 LAB, In Person Term Based; Tracy Lipke-Perry ; 2-3 cr.

1322 Piano-Non Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument; may be repeated)
31252 001 LAB, In Person Term Based; Tracy Lipke-Perry, Jian-Jun Chen-Edmund, Betsy Husby, Allison Laughlin ; 1 cr.

1325 Jazz Piano-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31255 001 LAB, In Person Term Based; Ryan Frane ; 2-3 cr.
31303 002 LAB, In Person Term Based; Ryan Frane ; 2-3 cr.

1326 Jazz Piano-Non Major

(A-F only; Prereq: Non-music major or music major secondary instrument)
31257 001 LAB, In Person Term Based; Ryan Frane ; 1 cr.

1327 Jazz Applied

(A-F or Audit; Prereq: 2803, instructor consent)
31708 001 LAB, In Person Term Based; William Barnard ; 2 cr.
31731 002 LAB, In Person Term Based; Ryan Frane ; 2 cr.
31732 003 LAB, In Person Term Based; Eugene Koshinski ; 2 cr.
31733 004 LAB, In Person Term Based; Thomas Protenhauer ; 2 cr.
31757 005 LAB, In Person Term Based; Joshua Skinner ; 2 cr.

1331 Organ-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31258 001 LAB, In Person Term Based; Justin Rubin ; 2-3 cr.
31304 002 LAB, In Person Term Based; Justin Rubin ; 2-3 cr.

1332 Organ-Non Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument; may be repeated)
31260 001 LAB, In Person Term Based; Justin Rubin ; 1 cr.

1350 Violin - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31637 001 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 1 cr.

1351 Violin - Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31262 001 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 2-3 cr.
31305 002 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 2-3 cr.

1352 Viola - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31264 001 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 1 cr.

1353 Viola - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31638 001 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 2-3 cr.
31639 002 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 2-3 cr.

1354 Cello - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31640 001 LAB, In Person Term Based; Betsy Husby ; 1 cr.

1355 Cello - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31641 001 LAB, In Person Term Based; Betsy Husby ; 2-3 cr.
31642 002 LAB, In Person Term Based; Betsy Husby ; 2-3 cr.

1356 Harp - Non-Majors

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31643 001 LAB, In Person Term Based; Janell Lemire ; 1 cr.

1357 Harp - Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31266 001 LAB, In Person Term Based; Janell Lemire ; 2-3 cr.
31306 002 LAB, In Person Term Based; Janell Lemire ; 2-3 cr.

1358 Bass - Non-Majors

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31268 001 LAB, In Person Term Based; Joshua Skinner ; 1 cr.

1359 Bass - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31644 001 LAB, In Person Term Based; Joshua Skinner ; 2-3 cr.
31645 002 LAB, In Person Term Based; Joshua Skinner ; 2-3 cr.

1360 Clarinet - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31646 001 LAB, In Person Term Based; Theodore Schoen ; 1 cr.

1361 Clarinet - Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31270 001 LAB, In Person Term Based; Theodore Schoen ; 2-3 cr.
31307 002 LAB, In Person Term Based; Theodore Schoen ; 2-3 cr.

1362 Saxophone - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31272 001 LAB, In Person Term Based; Bradley Bombardier, Theodore Schoen ; 1 cr.

1363 Saxophone - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31647 001 LAB, In Person Term Based; Theodore Schoen, Bradley Bombardier ; 2-3 cr.
31648 002 LAB, In Person Term Based; Theodore Schoen, Bradley Bombardier ; 2-3 cr.

1364 Flute - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31649 001 LAB, In Person Term Based; Paula Gudmundson ; 1 cr.

1365 Flute - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31650 001 LAB, In Person Term Based; Paula Gudmundson ; 2-3 cr.
31651 002 LAB, In Person Term Based; Paula Gudmundson ; 2-3 cr.

1366 Oboe - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31652 001 LAB, In Person Term Based; Brett Linski ; 1 cr.

1367 Oboe - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31653 001 LAB, In Person Term Based; Brett Linski ; 2-3 cr.
31654 002 LAB, In Person Term Based; Brett Linski ; 2-3 cr.

1368 Bassoon - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)

31655 001 LAB, In Person Term Based; Jefferson Campbell ; 1 cr.

1369 Bassoon - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)

31656 001 LAB, In Person Term Based; Jefferson Campbell ; 2-3 cr.

31657 002 LAB, In Person Term Based; Jefferson Campbell ; 2-3 cr.

1370 Trumpet - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)

31658 001 LAB, In Person Term Based; Thomas Pfothenhauer ; 1 cr.

1371 Trumpet - Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)

31274 001 LAB, In Person Term Based; Thomas Pfothenhauer ; 2-3 cr.

31308 002 LAB, In Person Term Based; Thomas Pfothenhauer ; 2-3 cr.

1372 Trombone - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)

31297 001 LAB, In Person Term Based; Mark Whitlock, Derek Bromme ; 1 cr.

1373 Trombone - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)

31659 001 LAB, In Person Term Based; Mark Whitlock, Derek Bromme ; 2-3 cr.

31660 002 LAB, In Person Term Based; Mark Whitlock, Derek Bromme ; 2-3 cr.

1374 French Horn - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)

31661 001 LAB, In Person Term Based; James Pospisil ; 1 cr.

1375 French Horn - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)

31662 001 LAB, In Person Term Based; James Pospisil ; 2-3 cr.

31663 002 LAB, In Person Term Based; James Pospisil ; 2-3 cr.

1376 Tuba - Non-major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)

31664 001 LAB, In Person Term Based; Derek Bromme ; 1 cr.

1377 Tuba - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all other register for 2 cr.)

31665 001 LAB, In Person Term Based; Derek Bromme ; 2-3 cr.

31666 002 LAB, In Person Term Based; Derek Bromme ; 2-3 cr.

1378 Euphonium - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)

31667 001 LAB, In Person Term Based; Derek Bromme ; 1 cr.

1379 Euphonium - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)

31668 001 LAB, In Person Term Based; Derek Bromme ; 2-3 cr.

31669 002 LAB, In Person Term Based; Derek Bromme ; 2-3 cr.

1381 Percussion-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)

31276 001 LAB, In Person Term Based; Eugene Koshinski, Timothy Broscius ; 2-3 cr.

31309 002 LAB, In Person Term Based; Eugene Koshinski, Timothy Broscius ; 2-3 cr.

1382 Percussion - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)

31279 001 LAB, In Person Term Based; Timothy Broscius ; 1 cr.

1391 Classical Guitar-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)

31280 001 LAB, In Person Term Based; Jacob Jonker ; 2-3 cr.

31310 002 LAB, In Person Term Based; Jacob Jonker ; 2-3 cr.

1392 Classical Guitar - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)

31282 001 LAB, In Person Term Based; Jacob Jonker ; 1 cr.

1395 Jazz Guitar-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)

31284 001 LAB, In Person Term Based; William Barnard ; 2-3 cr.

31311 002 LAB, In Person Term Based; William Barnard ; 2-3 cr.

1396 Jazz Guitar - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)

31286 001 LAB, In Person Term Based; William Barnard, Jimi Cooper, Thomas O'Hara ; 1 cr.

1398 Pop Styles Guitar- Non Major

(A-F only; Prereq: Non-music major or music major secondary instrument)

31288 001 LAB, In Person Term Based; Jimi Cooper, Thomas O'Hara, William Barnard ; 1 cr.

1411 Diction: Italian and English

(A-F or Audit; Prereq: Principal instrument voice or instructor consent)

31201 001 LEC, 11:00-11:50 TTh, Humanities Building 150, In Person Term Based; Rachel Inselman ; 1 cr.

1421 Piano Class I

(A-F or Audit; Prereq: Music major, music minor, musical theatre major or instructor consent)

31243 001 LAB, 9:00-9:50 MW, Humanities Building 160, In Person Term Based; Tracy Lipke-Perry ; 1 cr.

31244 002 LAB, 9:00-9:50 TTh, Humanities Building 160, In Person Term Based; Tracy Lipke-Perry ; 1 cr.

1442 Percussion Techniques

(A-F or Audit; Prereq: Music major or instructor consent)

31191 001 LAB, 10:00-10:50 MW, Chester Park B13, In Person Term Based; Timothy Broscius ; 1 cr.

1501 Concert Band

(Student Option; Prereq: Instructor determines placement FINE ARTS)

31192 001 LAB, 14:00-14:50 MWF, Chester Park B13, In Person Term Based; Meets With: 001 MU 4501; Mark Whitlock ; 1 cr.

1502 Symphonic Wind Ensemble

(Student Option; Prereq: Instructor determines placement FINE ARTS)

31193 001 LAB, 15:05-16:35 MWF, Chester Park B13, In Person Term Based; Meets With: 001 MU 4502; Mark Whitlock ; 1 cr.

1503 Symphony Orchestra

(Student Option; Prereq: Instructor determines placement FINE ARTS)

31194 001 LAB, 15:15-17:40 TTh, Chester Park B13, In Person Term Based; Meets With: 001 MU 4503; Benjamin Nilles ; 1 cr.

1504 Chamber Orchestra

(Student Option; Prereq: instructor consent FINE ARTS)

31327 001 LAB, 17:00-18:20 MW, Weber Music Hall 206, In Person Term Based; Meets With: 001 MU 4504; Brian Buckstead ; 1 cr.

1505 Jazz Ensemble

(Student Option; Prereq: Instructor determines placement FINE ARTS)

31202 001 LAB, 11:55-12:55 MWF, Chester Park B13, In Person Term Based; Meets With: 001 MU 4505; Ryan Frane ; 1 cr.

31203 002 LAB, 12:00-13:20 TTh, Chester Park B13, In Person Term Based; Meets With: 002 MU 4505; Joshua Skinner ; 1 cr.

1510 Concert Chorale

(Student Option; Prereq: Instructor determines placement FINE ARTS)

31204 001 LAB, 13:20-14:50 TTh, Chester Park 209, In Person Term Based; Meets With: 001 MU 4510; Elizabeth Fisher ; 1 cr.

1511 University Singers

(Student Option; Prereq: Instructor determines placement FINE ARTS)

31205 001 LAB, 15:00-16:10 TTh, Chester Park 209, 15:20-16:30 MW, Chester Park 209, In Person Term Based; Meets With: 001 MU 4511; Richard Robbins ; 1 cr.

1512 Chamber Singers

(Student Option; Prereq: concurrent registration in 1511 or 4511; instructor determines placement FINE ARTS)

31207 001 LAB, 14:00-15:15 MW, Chester Park 209, In Person Term Based; Meets With: 001 MU 4512; Richard Robbins ; 1 cr.

1513 Vocal Jazz Ensemble

(Student Option; Prereq: instructor determines placement FINE ARTS)

31208 001 LAB, 17:00-18:30 MW, Chester Park 213, In Person Term Based; Meets With: 001 MU 4513; Elizabeth Fisher ; 1 cr.

31330 002 LAB, 18:00-19:00 TTh, Chester Park 213, In Person Term Based; Meets With: 002 MU 4513; Elizabeth Fisher ; 1 cr.

1515 Percussion Ensemble

(A-F or Audit; Prereq: Instructor consent; maximum of 10 credits between MU 1515 and 4515)

31758 001 LAB, 13:30-15:00 TTh, Chester Park B13, In Person Term Based; Meets With: 001 MU 4515; Eugene Koshinski ; 1 cr.

1541 Chamber Music

(A-F or Audit; Prereq: Instructor determines placement)

31216 001 LAB, In Person Term Based; Meets With: 001 MU 4541; Timothy Broscius ; 1 cr.

31217 002 LAB, 17:00-17:50 MW, Room TBA, In Person Term Based; Meets With: 002 MU 4541; Ryan Frane ; 1 cr.

31218 003 LAB, 18:00-18:50 TTh, Weber Music Hall 206, In Person Term Based; Meets With: 003 MU 4541; Joshua Skinner ; 1 cr.

31219 004 LAB, 18:00-18:50 TTh, Humanities Building 171A, In Person Term Based; Meets With: 004 MU 4541; Thomas Pfothenhauer ; 1 cr.

31220 005 LAB, 18:00-18:50 MW, Room TBA, In Person Term Based; Meets With: 005 MU 4541; William Barnard ; 1 cr.

31221 006 LAB, 18:00-20:00 Th, Chester Park B13, In Person Term Based; Meets With: 006 MU 4541; Timothy Broscius ; 1 cr.

31222 007 LAB, 16:00-16:50 MW, Weber Music Hall 206, In Person Term Based; Meets With: 007 MU 4541; William Barnard ; 1 cr.

31223 008 LAB, In Person Term Based; Meets With: 008 MU 4541; Jean Perrault, Betsy Husby, Brian Buckstead ; 1 cr.

31224 009 LAB, 19:00-19:50 MW, Weber Music Hall 206, In Person Term Based; Meets With: 009 MU 4541; Thomas Pfothenhauer ; 1 cr.

31225 010 LAB, In Person Term Based; Meets With: 010 MU 4541; Jefferson Campbell, Bradley Bombardier, Theodore Schoen, Paula Gudmundson ; 1 cr.

31347 013 LAB, 15:00-15:50 MW, Weber Music Hall 206, In Person Term Based; Meets With: 013 MU 4541; William Barnard ; 1 cr.

31392 012 LAB, 17:00-18:25 MWF, Chester Park B13, In Person Term Based; Meets With: 012 MU 4541; Timothy Broscius ; 1 cr.

31401 014 LAB, In Person Term Based; Meets With: 014 MU 4541; Jacob Jonker ; 1 cr.

31403 016 LAB, In Person Term Based; Meets With: 016 MU 4541; Bradley Bombardier ; 1 cr.

31412 015 LAB, In Person Term Based; Meets With: 015 MU 4541; Thomas Pfothenhauer ; 1 cr.

31569 017 LAB, In Person Term Based; Meets With: 017 MU 4541; Mark Whitlock ; 1 cr.

31740 020 LAB, In Person Term Based; Meets With: 020 MU 4541; Tracy Lipke-Perry ; 1 cr.

31745 021 LAB, In Person Term Based; Meets With: 021 MU 4541; Theodore Schoen ; 1 cr.

31746 022 LAB, In Person Term Based; Meets With: 022 MU 4541; Paula Gudmundson ; 1 cr.

31752 023 LAB, In Person Term Based; Meets With: 023 MU 4541; Theodore Schoen ; 1 cr.

2001 Ethnic and Folk Music of the World

(Student Option; FINE ARTS)

31299 001 LEC, 10:00-10:50 MWF, Humanities Building 222, In Person Term Based; Paula Gudmundson ; 3 cr.

31762 002 LEC, 13:00-13:50 MWF, Humanities Building 150, In Person Term Based; Paula Gudmundson ; 3 cr.

2003 Survey of American Music

(Student Option; FINE ARTS, CDIVERSITY)

31371 001 LEC, 11:00-11:50 MWF, Humanities Building 222, In Person Term Based; Thomas Pfothenhauer ; 3 cr.

2105 Composition I

(A-F or Audit; Prereq: 1121 or 1122)
31238 001 LEC, 11:00-11:50 TTh, Humanities Building 222, In Person Term Based; Meets With: 001 MU 3105001 MU 4105; Justin Rubin ; 2 cr.

2111 Tonal Harmony III

(A-F only; Prereq: 1102 or 1121)
31386 001 LEC, 9:00- 9:50 MWF, Weber Music Hall 206, In Person Term Based; Justin Rubin ; 3 cr.

2112 Ear-Training III

(A-F only; Prereq: 1122)
31387 001 LAB, 9:00- 9:50 TTh, Humanities Building 150, In Person Term Based; Richard Robbins ; 1 cr.

2443 Woodwind Techniques

(A-F or Audit; Prereq: Music major or instructor consent)
31397 001 LAB, 8:00- 8:50 TTh, Weber Music Hall 206, In Person Term Based; Bradley Bombardier, Paula Gudmundson ; 1 cr.

2802 Jazz Improvisation I

(A-F or Audit; Prereq: 2110)
31325 001 LEC, 11:00-11:50 TTh, Chester Park B13, In Person Term Based; Joshua Skinner ; 2 cr.

3101 Form and Analysis

(A-F or Audit; Prereq: 2121, 2122)
31199 001 LEC, 9:00- 9:50 TTh, Humanities Building 222, In Person Term Based; Justin Rubin ; 2 cr.

3105 Composition II

(A-F or Audit; Prereq: 2105)
31239 001 LEC, 11:00-11:50 TTh, Humanities Building 222, In Person Term Based; Meets With: 001 MU 2105001 MU 4105; Justin Rubin ; 2 cr.

3201 Music History I

(A-F or Audit; Prereq: Mu 1121/1122 or instructor consent)
31245 001 LEC, 10:00-10:50 MWF, A B Anderson Hall 225, In Person Term Based; Brett Linski ; 3 cr.

3211 Art Song Literature

(A-F or Audit; Prereq: Mu [1121, 1122], music major or instructor consent)
33125 001 LEC, 9:00- 9:50 MW, Humanities Building 150, In Person Term Based; Rachel Inselman ; 2 cr.

3300 Junior Recital

(A-F or Audit; Prereq: department consent, may be repeated)
31209 001 IND, In Person Term Based; Jefferson Campbell ; 1 cr.
31418 002 IND, In Person Term Based ; 1 cr.
31420 003 IND, In Person Term Based; Alice Pierce ; 1 cr.
31422 004 IND, In Person Term Based; Derek Bromme ; 1 cr.
31429 005 IND, In Person Term Based; Ryan Frane ; 1 cr.
31430 006 IND, In Person Term Based; Betsy Husby ; 1 cr.
31431 007 IND, In Person Term Based; Rachel Inselman ; 1 cr.
31432 008 IND, In Person Term Based ; 1 cr.
31433 009 IND, In Person Term Based; Eugene Koshinski ; 1 cr.
31434 010 IND, In Person Term Based; Jean Perrault ; 1 cr.
31435 011 IND, In Person Term Based; Thomas Plotenhauer ; 1 cr.
31436 012 IND, In Person Term Based; Justin Rubin ; 1 cr.
31437 013 IND, In Person Term Based ; 1 cr.
31438 015 IND, In Person Term Based; Mark Whitlock ; 1 cr.
31439 016 IND, In Person Term Based ; 1 cr.
31440 018 IND, In Person Term Based; Bradley Bombardier ; 1 cr.
31441 019 IND, In Person Term Based; Jacob Jonker ; 1 cr.
31442 020 IND, In Person Term Based; James Pospisil ; 1 cr.
31443 021 IND, In Person Term Based; Paula Gudmundson ; 1 cr.
31444 022 IND, In Person Term Based; Brian Buckstead ; 1 cr.
31445 023 IND, In Person Term Based ; 1 cr.
31580 024 IND, In Person Term Based; Theodore Schoen ; 1 cr.
31704 025 IND, In Person Term Based; Elias MOKOLE ; 1 cr.

3350 Half-Recital

(S-N or Audit;)
31573 001 LEC, In Person Term Based; Bradley Bombardier ; 0 cr.
31582 002 LEC, In Person Term Based; Jefferson Campbell ; 0 cr.
31583 003 LEC, In Person Term Based ; 0 cr.
31584 004 LEC, In Person Term Based ; 0 cr.
31585 005 LEC, In Person Term Based; Derek Bromme ; 0 cr.

31586 006 LEC, In Person Term Based; Ryan Frane ; 0 cr.
31587 007 LEC, In Person Term Based; Betsy Husby ; 0 cr.
31588 008 LEC, In Person Term Based; Rachel Inselman ; 0 cr.
31589 009 LEC, In Person Term Based; Jacob Jonker ; 0 cr.
31590 010 LEC, In Person Term Based; Eugene Koshinski ; 0 cr.
31591 011 LEC, In Person Term Based; Paula Gudmundson ; 0 cr.
31592 012 LEC, In Person Term Based; Jean Perrault ; 0 cr.
31593 013 LEC, In Person Term Based; Thomas Plotenhauer ; 0 cr.
31594 014 LEC, In Person Term Based; James Pospisil ; 0 cr.
31595 015 LEC, In Person Term Based; Justin Rubin ; 0 cr.
31596 016 LEC, In Person Term Based; Brian Buckstead ; 0 cr.
31597 017 LEC, In Person Term Based; Theodore Schoen ; 0 cr.
31598 018 LEC, In Person Term Based; Tracy Lipke-Perry ; 0 cr.
31599 019 LEC, In Person Term Based ; 0 cr.
31600 020 LEC, In Person Term Based ; 0 cr.
31601 022 LEC, In Person Term Based; Mark Whitlock ; 0 cr.
31602 023 LEC, In Person Term Based ; 0 cr.
31705 025 LEC, In Person Term Based; Elias MOKOLE ; 0 cr.
31756 026 LEC, In Person Term Based; Alice Pierce ; 0 cr.

3510 Opera Studio

(A-F or Audit; Prereq: instructor consent)
31210 001 LEC, 16:15-18:00 TTh, Weber Music Hall 206, In Person Term Based; Meets With: 001 MU 5510; Alice Pierce ; 1 cr.

3600 Music in the Elementary Classroom

(A-F or Audit; Prereq: Successful completion of IESE 1010; credit will not be granted if already received for MU 1601 and 3601)
31635 001 LEC, 10:00-10:50 MWF, Humanities Building 170, In Person Term Based; Jian-Jun Chen-Edmund ; 3 cr.
31636 002 LEC, 11:00-11:50 MWF, Humanities Building 170, In Person Term Based; Jian-Jun Chen-Edmund ; 3 cr.

3606 Field Experience: Classroom Music

Pre K-8
(A-F or Audit; Prereq: 45 cr, music ed major, concurrent registration in Mu 3608)
31355 001 LAB, In Person Term Based; David Edmund, Jian-Jun Chen-Edmund ; 1 cr.

3608 Teaching Elementary Music I

(A-F or Audit; Prereq: 45 cr, music ed major or instructor consent; credit will not be granted if credit was received for 3605.)
31572 001 LEC, 8:00- 8:50 TTh, Humanities Building 170, In Person Term Based; David Edmund ; 2 cr.

3701 Choral Conducting and Methods I

(A-F or Audit; Prereq: instructor consent)
31242 001 LEC, 11:00-11:50 MWF, Weber Music Hall 206, In Person Term Based; Richard Robbins ; 3 cr.

3703 Choral Conducting

(A-F or Audit; Prereq: 2701 or instructor consent; credit will not be granted if credit already received for MU 3701 or 3702)
31577 001 LEC, 11:00-11:50 MW, Room TBA, In Person Term Based; Richard Robbins ; 1 cr.

3705 Instrumental Conducting I

(A-F or Audit; Prereq: 2701 or instructor consent)
31195 001 LEC, 10:00-10:50 TTh, Weber Music Hall 206, In Person Term Based; Mark Whitlock ; 1 cr.

3991 Independent Study

(A-F or Audit; Prereq: instructor consent)
31200 001 IND, In Person Term Based; Jefferson Campbell ; 1-3 cr.
31450 002 IND, In Person Term Based ; 1-3 cr.
31451 003 IND, In Person Term Based; Elias MOKOLE ; 1-3 cr.
31452 004 IND, In Person Term Based ; 1-3 cr.
31453 005 IND, In Person Term Based; Ryan Frane ; 1-3 cr.
31454 006 IND, In Person Term Based; Betsy Husby ; 1-3 cr.
31455 007 IND, In Person Term Based; Rachel Inselman ; 1-3 cr.
31456 008 IND, In Person Term Based; Brian Buckstead ; 1-3 cr.
31457 009 IND, In Person Term Based; Eugene Koshinski ; 1-3 cr.
31458 010 IND, In Person Term Based; Jean Perrault ; 1-3 cr.
31459 011 IND, In Person Term Based; Thomas Plotenhauer ; 1-3 cr.
31460 012 IND, In Person Term Based; Justin Rubin ; 1-3 cr.

31461 013 IND, In Person Term Based; Brett Linski ; 1-3 cr.
31462 015 IND, In Person Term Based; Mark Whitlock ; 1-3 cr.
31463 016 IND, In Person Term Based ; 1-3 cr.
31464 018 IND, In Person Term Based; James Pospisil ; 1-3 cr.
31465 019 IND, In Person Term Based ; 1-3 cr.
31561 020 IND, In Person Term Based; Theodore Schoen ; 1-3 cr.

4101 Instrumental Arranging

(A-F or Audit; Prereq: Mu 2121, 2122 or instructor consent)
31241 001 LEC, 12:00-13:40 T, Humanities Building 150, In Person Term Based; Bradley Bombardier ; 2 cr.

4105 Composition III

(A-F or Audit; Prereq: 3105)
31240 001 LEC, 11:00-11:50 TTh, Humanities Building 222, In Person Term Based; Meets With: 001 MU 2105001 MU 3105; Justin Rubin ; 2 cr.

4300 Senior Recital

(A-F or Audit;)
31603 001 LEC, In Person Term Based; Bradley Bombardier ; 1 cr.
31604 002 LEC, In Person Term Based; Jefferson Campbell ; 1 cr.
31605 003 LEC, In Person Term Based; Timothy Broschous ; 1 cr.
31606 004 LEC, In Person Term Based ; 1 cr.
31607 005 LEC, In Person Term Based; Derek Bromme ; 1 cr.
31608 006 LEC, In Person Term Based; Ryan Frane ; 1 cr.
31609 007 LEC, In Person Term Based; Betsy Husby ; 1 cr.
31610 008 LEC, In Person Term Based; Rachel Inselman ; 1 cr.
31611 009 LEC, In Person Term Based; Jacob Jonker ; 1 cr.
31612 010 LEC, In Person Term Based; Eugene Koshinski ; 1 cr.
31613 011 LEC, In Person Term Based; Brian Buckstead ; 1 cr.
31614 012 LEC, In Person Term Based; Jean Perrault ; 1 cr.
31615 013 LEC, In Person Term Based; Thomas Plotenhauer ; 1 cr.
31616 014 LEC, In Person Term Based; James Pospisil ; 1 cr.
31617 015 LEC, In Person Term Based; Justin Rubin ; 1 cr.
31618 016 LEC, In Person Term Based; Alice Pierce ; 1 cr.
31619 017 LEC, In Person Term Based; Theodore Schoen ; 1 cr.
31620 018 LEC, In Person Term Based; Paula Gudmundson ; 1 cr.
31621 019 LEC, In Person Term Based ; 1 cr.
31622 020 LEC, In Person Term Based ; 1 cr.
31623 022 LEC, In Person Term Based; Mark Whitlock ; 1 cr.
31624 023 LEC, In Person Term Based ; 1 cr.
31706 025 LEC, In Person Term Based; Elias MOKOLE ; 1 cr.

4311 Voice-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31249 001 LAB, 15:00-15:50 F, Room TBA, In Person Term Based; Rachel Inselman, Elias MOKOLE, Alice Pierce ; 2-3 cr.
31312 002 LAB, 15:00-15:50 F, Room TBA, In Person Term Based; Rachel Inselman, Elias MOKOLE, Alice Pierce ; 2-3 cr.

4312 Voice - Non-Major

(A-F or Audit; Prereq: Non-Music major or music major secondary instrument)
31250 001 LAB, In Person Term Based; Rachel Inselman, Elias MOKOLE, Alice Pierce, John Pierce ; 1 cr.

4321 Piano-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31253 001 LAB, In Person Term Based; Tracy Lipke-Perry ; 2-3 cr.
31313 002 LAB, In Person Term Based; Tracy Lipke-Perry ; 2-3 cr.

4322 Piano - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31251 001 LAB, In Person Term Based; Tracy Lipke-Perry, Jian-Jun Chen-Edmund ; 1 cr.

4325 Jazz Piano-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31256 001 LAB, In Person Term Based; Ryan Frane ; 2-3 cr.
31314 002 LAB, In Person Term Based; Ryan Frane ; 2-3 cr.

4331 Organ-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31259 001 LAB, In Person Term Based; Justin Rubin ; 2-3 cr.
31315 002 LAB, In Person Term Based; Justin Rubin ; 2-3 cr.

4332 Organ - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31261 001 LAB, In Person Term Based; Justin Rubin ; 1 cr.

4350 Violin - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31670 001 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 1 cr.

4351 Violin - Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.; MU 300)
31263 001 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 2-3 cr.
31316 002 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 2-3 cr.

4352 Viola - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31265 001 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 1 cr.

4353 Viola - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.; MU 300)
31681 001 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 2-3 cr.
31682 002 LAB, In Person Term Based; Jean Perrault, Brian Buckstead ; 2-3 cr.

4354 Cello - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31671 001 LAB, In Person Term Based; Betsy Husby ; 1 cr.

4355 Cello - Major

(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.; MU 300)
31683 001 LAB, In Person Term Based; Betsy Husby ; 2-3 cr.
31684 002 LAB, In Person Term Based; Betsy Husby ; 2-3 cr.

4356 Harp - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31672 001 LAB, In Person Term Based; Janell Lemire ; 1 cr.

4357 Harp - Major

(Student Option; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)
31267 001 LAB, In Person Term Based; Janell Lemire ; 2-3 cr.
31317 002 LAB, In Person Term Based; Janell Lemire ; 2-3 cr.

4358 Bass - Non-major

(Student Option; Prereq: Non-music major or music major secondary instrument)
31269 001 LAB, In Person Term Based; Joshua Skinner ; 1 cr.

4359 Bass - Major

(A-F or Audit; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)
31685 001 LAB, In Person Term Based; Joshua Skinner ; 2-3 cr.
31686 002 LAB, In Person Term Based; Joshua Skinner ; 2-3 cr.

4360 Clarinet - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31673 001 LAB, In Person Term Based; Theodore Schoen ; 1 cr.

4361 Clarinet - Major

(A-F only; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)
31271 001 LAB, In Person Term Based; Theodore Schoen ; 2-3 cr.
31318 002 LAB, In Person Term Based; Theodore Schoen ; 2-3 cr.

4362 Saxophone - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31273 001 LAB, In Person Term Based; Bradley Bombardier, Theodore Schoen ; 1 cr.

4363 Saxophone - Major

(A-F or Audit; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)
31687 001 LAB, In Person Term Based; Theodore Schoen, Bradley Bombardier ; 2-3 cr.
31688 002 LAB, In Person Term Based; Theodore Schoen ; 2-3 cr.

4364 Flute - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31674 001 LAB, In Person Term Based; Paula Gudmundson ; 1 cr.

4365 Flute - Major

(A-F or Audit; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)
31689 001 LAB, In Person Term Based; Paula Gudmundson ; 2-3 cr.
31690 002 LAB, In Person Term Based; Paula Gudmundson ; 2-3 cr.

4366 Oboe - Non-major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31675 001 LAB, In Person Term Based; Brett Linski ; 1 cr.

4367 Oboe - Major

(A-F or Audit; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)
31691 001 LAB, In Person Term Based; Brett Linski ; 2-3 cr.
31692 002 LAB, In Person Term Based; Brett Linski ; 2-3 cr.

4368 Bassoon - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31676 001 LAB, In Person Term Based; Jefferson Campbell ; 1 cr.

4369 Bassoon - Major

(A-F or Audit; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)
31693 001 LAB, In Person Term Based; Jefferson Campbell ; 2-3 cr.
31694 002 LAB, In Person Term Based; Jefferson Campbell ; 2-3 cr.

4370 Trumpet - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31677 001 LAB, In Person Term Based; Thomas Pflotenhauer ; 1 cr.

4371 Trumpet - Major

(A-F only; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)
31275 001 LAB, In Person Term Based; Thomas Pflotenhauer ; 2-3 cr.
31319 002 LAB, In Person Term Based; Thomas Pflotenhauer ; 2-3 cr.

4372 Trombone - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31298 001 LAB, In Person Term Based; Mark Whitlock ; 1 cr.

4373 Trombone - Major

(A-F or Audit; Prereq: Music major, MU 300; performance major register for 3 cr., all others register for 2 cr.)
31695 001 LAB, In Person Term Based; Mark Whitlock, Derek Bromme ; 2-3 cr.
31696 002 LAB, In Person Term Based; Mark Whitlock, Derek Bromme ; 2-3 cr.

4374 French Horn - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31678 001 LAB, In Person Term Based; James Pospisil ; 1 cr.

4375 French Horn - Major

(A-F or Audit; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)

31697 001 LAB, In Person Term Based; James Pospisil ; 2-3 cr.
31698 002 LAB, In Person Term Based; James Pospisil ; 2-3 cr.

4376 Tuba - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31679 001 LAB, In Person Term Based; Derek Bromme ; 1 cr.

4377 Tuba - Major

(A-F or Audit; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)
31699 001 LAB, In Person Term Based; Derek Bromme ; 2-3 cr.
31700 002 LAB, In Person Term Based; Derek Bromme ; 2-3 cr.

4378 Euphonium - Non-Major

(A-F or Audit; Prereq: non-music major or music major secondary instrument)
31680 001 LAB, In Person Term Based; Derek Bromme ; 1 cr.

4379 Euphonium - Major

(A-F or Audit; Prereq: Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.)
31701 001 LAB, In Person Term Based; Derek Bromme ; 2-3 cr.
31702 002 LAB, In Person Term Based; Derek Bromme ; 2-3 cr.

4381 Percussion-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31277 001 LAB, In Person Term Based; Eugene Koshinski, Timothy Broscius ; 2-3 cr.
31320 002 LAB, In Person Term Based; Eugene Koshinski, Timothy Broscius ; 2-3 cr.

4382 Percussion - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31278 001 LAB, In Person Term Based; Timothy Broscius ; 1 cr.

4391 Classical Guitar-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31281 001 LAB, 13:00-13:50 Th, Room TBA, In Person Term Based; Jacob Jonker ; 2-3 cr.
31321 002 LAB, In Person Term Based; Jacob Jonker ; 2-3 cr.

4392 Classical Guitar-Non Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31283 001 LAB, In Person Term Based; Jacob Jonker ; 1 cr.

4395 Jazz Guitar-Major

(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)
31285 001 LAB, In Person Term Based; William Barnard ; 2-3 cr.
31322 002 LAB, In Person Term Based; William Barnard ; 2-3 cr.

4396 Jazz Guitar - Non-Major

(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
31287 001 LAB, In Person Term Based; Jimi Cooper, William Barnard, Thomas O'Hara ; 1 cr.

4501 Concert Band

(A-F or Audit; Prereq: Instructor determines placement)
31196 001 LAB, 14:00-14:50 MWF, Chester Park B13, In Person Term Based; Meets With: 001 MU 1501; Mark Whitlock ; 1 cr.

4502 Symphonic Wind Ensemble

(A-F or Audit; Prereq: Instructor determines placement)
31197 001 LAB, 15:05-16:35 MWF, Chester Park B13, In Person Term Based; Meets With: 001 MU 1502; Mark Whitlock ; 1 cr.

4503 Symphony Orchestra

(A-F or Audit; Prereq: Instructor determines placement)
31198 001 LAB, 15:15-17:40 TTh, Chester Park B13, In Person Term Based; Meets With: 001 MU 1503; Benjamin Nilles ; 1 cr.

4504 Chamber Orchestra

(A-F or Audit; Prereq: Instructor determines placement)
31328 001 LAB, 17:00-18:20 MW, Weber Music Hall 206, In Person Term Based; Meets With: 001 MU 1504; Brian Buckstead ; 1 cr.

4505 Jazz Ensemble

(A-F or Audit; Prereq: Instructor determines placement)
31211 001 LAB, 11:55-12:55 MWF, Chester Park B13, In Person Term Based; Meets With: 001 MU 1505; Ryan Frane ; 1 cr.
31212 002 LAB, 12:00-13:20 TTh, Chester Park B13, In Person Term Based; Meets With: 002 MU 1505; Joshua Skinner ; 1 cr.

4510 Concert Chorale

(A-F or Audit; Prereq: Instructor determines placement)
31213 001 LAB, 13:20-14:50 TTh, Chester Park 209, In Person Term Based; Meets With: 001 MU 1510; Elizabeth Fisher ; 1 cr.

4511 University Singers

(A-F or Audit; Prereq: Instructor determines placement)
31206 001 LAB, 15:00-16:10 TTh, Chester Park 209, 15:20-16:30 MW, Chester Park 209, In Person Term Based; Meets With: 001 MU 1511; Richard Robbins. ; 1 cr.

4512 Chamber Singers

(A-F or Audit; Prereq: concurrent registration in 1511 or 4511; instructor determines placement)
31214 001 LAB, 14:00-15:15 MW, Chester Park 209, In Person Term Based; Meets With: 001 MU 1512; Richard Robbins ; 1 cr.

4513 Vocal Jazz Ensemble

(A-F or Audit; Prereq: Instructor determines placement)
31215 001 LAB, 17:00-18:30 MW, Chester Park 213, In Person Term Based; Meets With: 001 MU 1513; Elizabeth Fisher ; 1 cr.
31331 002 LAB, 18:00-19:00 TTh, Chester Park 213, In Person Term Based; Meets With: 002 MU 1513; Elizabeth Fisher ; 1 cr.

4515 Percussion Ensemble

(A-F or Audit; Prereq: Instructor consent; maximum of 10 credits between MU 1515 and 4515)
31763 001 LAB, 13:30-15:00 TTh, Chester Park B13, In Person Term Based; Meets With: 001 MU 1515; Eugene Koshinski ; 1 cr.

4541 Chamber Music

(A-F or Audit; Prereq: instructor consent)
31227 001 LAB, In Person Term Based; Meets With: 001 MU 1541; Timothy Broscius ; 1 cr.
31228 002 LAB, 17:00-17:50 MW, Room TBA, In Person Term Based; Meets With: 002 MU 1541; Ryan Frane ; 1 cr.
31229 003 LAB, 18:00-18:50 TTh, Weber Music Hall 206, In Person Term Based; Meets With: 003 MU 1541; Joshua Skinner ; 1 cr.
31230 004 LAB, 18:00-18:50 TTh, Humanities Building 171A, In Person Term Based; Meets With: 004 MU 1541; Thomas Plotenauer ; 1 cr.
31231 005 LAB, 18:00-18:50 MW, Room TBA, In Person Term Based; Meets With: 005 MU 1541; William Barnard ; 1 cr.
31232 006 LAB, 18:00-20:00 Th, Chester Park B13, In Person Term Based; Meets With: 006 MU 1541; Timothy Broscius ; 1 cr.
31233 007 LAB, 16:00-16:50 MW, Weber Music Hall 206, In Person Term Based; Meets With: 007 MU 1541; William Barnard ; 1 cr.
31234 008 LAB, In Person Term Based; Meets With: 008 MU 1541; Jean Perrault; Betsy Husby; Brian Buckstead ; 1 cr.
31235 009 LAB, 19:00-19:50 MW, Weber Music Hall 206, In Person Term Based; Meets With: 009 MU 1541; Thomas Plotenauer ; 1 cr.
31236 010 LAB, In Person Term Based; Meets With: 010 MU 1541; Jefferson Campbell, Bradley Bombardier, Theodore Schoen, Paula Gudmundson ; 1 cr.
31348 013 LAB, 15:00-15:50 MW, Weber Music Hall 206, In Person Term Based; Meets With: 013 MU 1541; William Barnard ; 1 cr.
31393 012 LAB, 17:00-18:25 MWF, Chester Park B13, In Person Term Based; Meets With: 012 MU 1541; Timothy Broscius ; 1 cr.
31402 014 LAB, In Person Term Based; Meets With: 014 MU 1541; Jacob Jonker ; 1 cr.
31404 016 LAB, In Person Term Based; Meets With: 016 MU 1541; Bradley Bombardier ; 1 cr.
31415 015 LAB, In Person Term Based; Meets With: 015 MU 1541; Thomas Plotenauer ; 1 cr.
31570 017 LAB, In Person Term Based; Meets With: 017 MU 1541; Mark Whitlock ; 1 cr.
31736 018 LAB, 9:00- 9:50 WF, Chester Park B13, In Person Term Based; Eugene Koshinski, Timothy Broscius ; 1 cr.

31739 020 LAB, In Person Term Based; Meets With: 020 MU 1541; Tracy Lipke-Perry ; 1 cr.
31747 021 LAB, In Person Term Based; Meets With: 021 MU 1541; Theodore Schoen ; 1 cr.
31748 022 LAB, In Person Term Based; Meets With: 022 MU 1541; Paula Gudmundson ; 1 cr.
31753 023 LAB, In Person Term Based; Meets With: 023 MU 1541; Theodore Schoen ; 1 cr.

4600 Vocal Pedagogy

(A-F or Audit; Prereq: Vocal Performance majors, MU 300, minimum 90 credits; no grad credit)
31794 001 LEC, In Person Term Based; Alice Pierce ; 1 cr.

4601 Applied Music Teaching

(A-F or Audit; Prereq: instructor consent)
31246 001 LAB, In Person Term Based; Jefferson Campbell ; 1 cr.
31481 002 LAB, In Person Term Based; Tracy Lipke-Perry ; 1 cr.
31482 003 LAB, In Person Term Based; ; 1 cr.
31483 004 LAB, In Person Term Based; ; 1 cr.
31484 005 LAB, In Person Term Based; Ryan Frane ; 1 cr.
31485 006 LAB, In Person Term Based; Betsy Husby ; 1 cr.
31486 007 LAB, In Person Term Based; Rachel Inselman ; 1 cr.
31487 008 LAB, In Person Term Based; Eugene Koshinski ; 1 cr.
31488 009 LAB, In Person Term Based; Jean Perrault ; 1 cr.
31489 010 LAB, In Person Term Based; Thomas Plotenauer ; 1 cr.
31490 011 LAB, In Person Term Based; Justin Rubin ; 1 cr.
31491 012 LAB, In Person Term Based; Brett Linski ; 1 cr.
31492 013 LAB, In Person Term Based; Brian Buckstead ; 1 cr.
31493 014 LAB, In Person Term Based; Mark Whitlock ; 1 cr.
31494 015 LAB, In Person Term Based; ; 1 cr.
31495 016 LAB, In Person Term Based; Alice Pierce ; 1 cr.
31496 017 LAB, In Person Term Based; James Pospisil ; 1 cr.
31497 018 LAB, In Person Term Based; Paula Gudmundson ; 1 cr.
31498 019 LAB, In Person Term Based; ; 1 cr.
31562 020 LAB, In Person Term Based; Theodore Schoen ; 1 cr.
31576 021 LAB, In Person Term Based; James Pospisil ; 1 cr.
31707 022 LAB, In Person Term Based; Elias MOKOLE ; 1 cr.

4621 Piano Pedagogy and Practicum I

(A-F or Audit; Prereq: Music major or instructor consent)
31333 001 LEC, 11:00-11:50 MW, Humanities Building 160, In Person Term Based; Tracy Lipke-Perry ; 2 cr.

4803 Jazz Pedagogy

(A-F or Audit; Prereq: MU [2121, 2122])
31329 001 LEC, 10:00-10:50 MW, Weber Music Hall 206, In Person Term Based; Ryan Frane ; 2 cr.

4997 Internship in Music

(A-F or Audit; Prereq: department consent)
31296 001 IND, Independent/Directed Study; Jefferson Campbell ; 1-2 cr.
31499 002 IND, Independent/Directed Study; ; 1-2 cr.
31500 003 IND, Independent/Directed Study; ; 1-2 cr.
31501 004 IND, Independent/Directed Study; ; 1-2 cr.
31502 005 IND, Independent/Directed Study; Ryan Frane ; 1-2 cr.
31503 006 IND, Independent/Directed Study; Betsy Husby ; 1-2 cr.
31504 007 IND, Independent/Directed Study; Rachel Inselman ; 1-2 cr.
31505 008 IND, Independent/Directed Study; Eugene Koshinski ; 1-2 cr.
31506 009 IND, Independent/Directed Study; Jean Perrault ; 1-2 cr.
31507 010 IND, Independent/Directed Study; Thomas Plotenauer ; 1-2 cr.
31508 011 IND, Independent/Directed Study; Justin Rubin ; 1-2 cr.
31509 012 IND, Independent/Directed Study; ; 1-2 cr.
31510 013 IND, Independent/Directed Study; Brian Buckstead ; 1-2 cr.
31511 014 IND, Independent/Directed Study; Mark Whitlock ; 1-2 cr.
31512 015 IND, Independent/Directed Study; ; 1-2 cr.
31513 016 IND, Independent/Directed Study; Paula Gudmundson ; 1-2 cr.
31514 017 IND, Independent/Directed Study; Tracy Lipke-Perry ; 1-2 cr.
31515 018 IND, Independent/Directed Study; Alice Pierce ; 1-2 cr.
31516 019 IND, Independent/Directed Study; ; 1-2 cr.
31563 020 IND, Independent/Directed Study; Theodore Schoen ; 1-2 cr.

5204 Instrumental Ensemble Literature

(A-F or Audit; Prereq: Grad Student or instructor consent)
31345 001 LEC, In Person Term Based; Mark Whitlock, Jean Perrault ; 2 cr.

5205 Instrumental Solo Literature

(A-F or Audit; Prereq: Grad student or instructor consent)
31346 001 LEC, In Person Term Based; Jefferson Campbell ; 1 cr.
31625 002 LEC, In Person Term Based; ; 1 cr.
31626 003 LEC, In Person Term Based; Theodore Schoen ; 1 cr.
31627 004 LEC, In Person Term Based; Paula Gudmundson ; 1 cr.
31628 005 LEC, In Person Term Based; William Barnard ; 1 cr.
31738 006 LEC, In Person Term Based; Jean Perrault ; 1 cr.
31754 007 LEC, In Person Term Based; Eugene Koshinski ; 1 cr.

5206 Vocal Solo Literature

(A-F or Audit; Prereq: Grad student or instructor consent)
31341 001 LEC, 9:00- 9:50 MW, Room TBA, In Person Term Based; Rachel Inselman ; 1-2 cr.
31629 002 LEC, In Person Term Based; ; 1-2 cr.
31630 003 LEC, In Person Term Based; ; 1-2 cr.
31631 004 LEC, In Person Term Based; Alice Pierce ; 1-2 cr.

5510 Opera Studio

(A-F or Audit; Prereq: 3510 or equivalent, Grad student or instructor consent)
31329 001 LAB, 16:15-18:00 TTh, Weber Music Hall 206, In Person Term Based; Meets With: 001 MU 3510; Alice Pierce ; 1 cr.

5991 Independent Study

(A-F or Audit; Prereq: Min 60 cr or Grad Student or instructor consent; can apply max 6 cr to a Grad program)
31295 001 IND, In Person Term Based; Bradley Bombardier ; 1-3 cr.
31413 002 IND, In Person Term Based; ; 1-3 cr.
31414 003 IND, In Person Term Based; Timothy Broscius ; 1-3 cr.
31416 004 IND, In Person Term Based; ; 1-3 cr.
31417 005 IND, In Person Term Based; Ryan Frane ; 1-3 cr.
31419 006 IND, In Person Term Based; Betsy Husby ; 1-3 cr.
31421 007 IND, In Person Term Based; Rachel Inselman ; 1-3 cr.
31423 008 IND, In Person Term Based; Betsy Husby ; 1-3 cr.
31424 009 IND, In Person Term Based; Eugene Koshinski ; 1-3 cr.
31425 010 IND, In Person Term Based; Jean Perrault ; 1-3 cr.
31426 011 IND, In Person Term Based; Thomas Plotenauer ; 1-3 cr.
31427 012 IND, In Person Term Based; Justin Rubin ; 1-3 cr.
31428 013 IND, In Person Term Based; ; 1-3 cr.
31446 015 IND, In Person Term Based; Mark Whitlock ; 1-3 cr.
31447 016 IND, In Person Term Based; ; 1-3 cr.
31448 018 IND, In Person Term Based; ; 1-3 cr.
31449 019 IND, In Person Term Based; Paula Gudmundson ; 1-3 cr.
31564 020 IND, In Person Term Based; Theodore Schoen ; 1-3 cr.
31710 021 IND, In Person Term Based; Jefferson Campbell ; 1-3 cr.

8101 Graduate Music Theory

(A-F or Audit; Prereq: Graduate student or instructor consent)
31411 001 LEC, 12:00-13:40 T, Humanities Building 222, In Person Term Based; Justin Rubin ; 2 cr.

8222 Music Bibliography and Research

(A-F or Audit; Prereq: Grad student or instructor consent)
31410 001 LEC, 10:30-13:00 Th, Humanities Building 170, In Person Term Based; Brett Linski ; 3 cr.

8300 Graduate Recital

(A-F or Audit; Prereq: Grad student, instructor consent)
31300 001 FWK, In Person Term Based; Jefferson Campbell ; 1 cr.
31466 002 FWK, In Person Term Based; ; 1 cr.
31467 003 FWK, In Person Term Based; Alice Pierce ; 1 cr.
31468 004 FWK, In Person Term Based; ; 1 cr.
31469 005 FWK, In Person Term Based; Ryan Frane ; 1 cr.
31470 006 FWK, In Person Term Based; Betsy Husby ; 1 cr.
31471 007 FWK, In Person Term Based; Rachel Inselman ; 1 cr.

31472 008 FWK, In Person Term Based; ; 1 cr.
 31473 009 FWK, In Person Term Based; Eugene Koshinski ; 1 cr.
 31474 010 FWK, In Person Term Based; Jean Perrault ; 1 cr.
 31475 011 FWK, In Person Term Based; Thomas Pfothenhauer ; 1 cr.
 31476 012 FWK, In Person Term Based; Justin Rubin ; 1 cr.
 31477 013 FWK, In Person Term Based; Paula Gudmundson ; 1 cr.
 31478 014 FWK, In Person Term Based; Tracy Lipke-Perry ; 1 cr.
 31479 016 FWK, In Person Term Based; Mark Whitlock ; 1 cr.
 31480 017 FWK, In Person Term Based; ; 1 cr.
 31565 019 FWK, In Person Term Based; Theodore Schoen ; 1 cr.
 31787 020 FWK, In Person Term Based; Elias MOKOLE ; 1 cr.

8301 Graduate Applied Music: Major Instrument

(A-F or Audit; Prereq: Advanced proficiency, grad student, instructor consent)
 31291 001 LAB, In Person Term Based; Jefferson Campbell ; 2 cr.
 31375 002 LAB, In Person Term Based; ; 2 cr.
 31531 003 LAB, In Person Term Based; Alice Pierce ; 2 cr.
 31532 004 LAB, In Person Term Based; William Barnard ; 2 cr.
 31533 005 LAB, In Person Term Based; Ryan Frane ; 2 cr.
 31534 006 LAB, In Person Term Based; Betsy Husby ; 2 cr.
 31535 007 LAB, In Person Term Based; Rachel Inselman ; 2 cr.
 31536 008 LAB, In Person Term Based; ; 2 cr.
 31537 009 LAB, In Person Term Based; Eugene Koshinski ; 2 cr.
 31538 010 LAB, In Person Term Based; Jean Perrault ; 2 cr.
 31539 011 LAB, In Person Term Based; Thomas Pfothenhauer ; 2 cr.
 31540 012 LAB, In Person Term Based; Justin Rubin ; 2 cr.
 31541 013 LAB, In Person Term Based; James Pospisil ; 2 cr.
 31542 014 LAB, In Person Term Based; Paula Gudmundson ; 2 cr.
 31543 016 LAB, In Person Term Based; Derek Bromme ; 2 cr.
 31544 017 LAB, In Person Term Based; ; 2 cr.
 31566 019 LAB, In Person Term Based; Theodore Schoen ; 2 cr.
 31574 020 LAB, In Person Term Based; Elias MOKOLE ; 2 cr.
 31795 021 LAB, In Person Term Based; Tracy Lipke-Perry ; 2 cr.

8302 Graduate Applied Music: Secondary Instrument

(A-F or Audit; Prereq: Intermediate proficiency, grad student, instructor consent; may be repeated)
 31290 001 LAB, In Person Term Based; Jefferson Campbell ; 1 cr.
 31545 002 LAB, In Person Term Based; ; 1 cr.
 31546 003 LAB, In Person Term Based; Tracy Lipke-Perry ; 1 cr.
 31547 004 LAB, In Person Term Based; ; 1 cr.
 31548 005 LAB, In Person Term Based; Ryan Frane ; 1 cr.
 31549 006 LAB, In Person Term Based; Betsy Husby ; 1 cr.
 31550 007 LAB, In Person Term Based; Rachel Inselman ; 1 cr.
 31551 008 LAB, In Person Term Based; ; 1 cr.
 31552 009 LAB, In Person Term Based; Eugene Koshinski ; 1 cr.
 31553 010 LAB, In Person Term Based; Jean Perrault ; 1 cr.
 31554 011 LAB, In Person Term Based; Thomas Pfothenhauer ; 1 cr.
 31555 012 LAB, In Person Term Based; Justin Rubin ; 1 cr.
 31556 013 LAB, In Person Term Based; Paula Gudmundson ; 1 cr.
 31557 014 LAB, In Person Term Based; ; 1 cr.
 31558 016 LAB, In Person Term Based; Mark Whitlock ; 1 cr.
 31559 017 LAB, In Person Term Based; Derek Bromme ; 1 cr.
 31567 019 LAB, In Person Term Based; Theodore Schoen ; 1 cr.
 31575 020 LAB, In Person Term Based; Elias MOKOLE ; 1 cr.

8601 Foundations of Music Education

(A-F or Audit; Prereq: Grad student or instructor consent)
 31773 001 LEC, In Person Term Based; David Edmund ; 3 cr.

8701 Graduate Applied Conducting

(A-F or Audit; Prereq: 3702, 3706 or equivalent; Graduate Student or instructor consent)
 31338 001 LAB, In Person Term Based; Mark Whitlock ; 1-2 cr.
 31571 002 LAB, In Person Term Based; ; 1-2 cr.

31709 003 LAB, In Person Term Based; Jean Perrault ; 1-2 cr.

8899 Directed Project in Music Education

(A-F or Audit; Prereq: Grad, instructor consent)
 31368 001 IND, Independent/Directed Study; David Edmund, Jian-Jun Chen-Edmund ; 1-12 cr.

8991 Independent Study

(A-F or Audit; Prereq: Grad student, instructor consent)
 31289 001 IND, Independent/Directed Study; ; 1-2 cr.
 31517 002 IND, Independent/Directed Study; Jefferson Campbell ; 1-2 cr.
 31518 003 IND, Independent/Directed Study; Alice Pierce ; 1-2 cr.
 31519 004 IND, Independent/Directed Study; ; 1-2 cr.
 31520 005 IND, Independent/Directed Study; Ryan Frane ; 1-2 cr.
 31521 006 IND, Independent/Directed Study; Betsy Husby ; 1-2 cr.
 31522 007 IND, Independent/Directed Study; Rachel Inselman ; 1-2 cr.
 31523 008 IND, Independent/Directed Study; David Edmund ; 1-2 cr.
 31524 009 IND, Independent/Directed Study; Eugene Koshinski ; 1-2 cr.
 31525 010 IND, Independent/Directed Study; Jean Perrault ; 1-2 cr.
 31526 011 IND, Independent/Directed Study; Thomas Pfothenhauer ; 1-2 cr.
 31527 012 IND, Independent/Directed Study; Justin Rubin ; 1-2 cr.
 31528 013 IND, Independent/Directed Study; Timothy Broschious ; 1-2 cr.
 31529 015 IND, Independent/Directed Study; Mark Whitlock ; 1-2 cr.
 31530 016 IND, Independent/Directed Study; ; 1-2 cr.
 31568 018 IND, Independent/Directed Study; Theodore Schoen ; 1-2 cr.

Pharmacy (PHAR)

1001 Orientation to Pharmacy

(Student Option;)
 31870 001 IND, Completely Online; Kristyn Williamson, Anna Milone ; 2 cr.

1002 Medical Terminology

(Student Option;)
 31878 001 IND, Completely Online; Jody Lounsbury ; 2 cr.

1003 Non-Prescription Medications and Self-Care: Treating Minor Conditions

(Student Option;)
 31871 001 IND, Completely Online; Anna Milone ; 2 cr.

1004 Common Prescription Drugs and Diseases

(Student Option;)
 31872 001 IND, Completely Online; Kristyn Williamson, Anna Milone ; 2 cr.

1006 Orientation to Health Literacy and Communication

(A-F only;)
 31879 001 IND, Completely Online; Ann Lowry ; 2 cr.

3206 Issues in Health Literacy and Communication

(A-F only; SOC SCI)
 31885 001 IND, Completely Online; Ann Lowry ; 3 cr.

3601 Basic Human Physiology for the Health Professions

(Student Option; Prereq: Anatomy required. Medical terminology recommended.)
 31881 001 IND, Completely Online; Angela Cortese ; 3 cr.

3700 Fundamentals of Pharmacotherapy

(A-F only; Prereq: Medical terminology recommended)
 31873 001 IND, Completely Online; Anna Milone ; 3 cr.

4200 Drugs and the U.S. Healthcare System

(Student Option;)
 31867 001 IND, Completely Online; Anna Milone ; 3 cr.

4293 Directed Research I for Undergraduates

(Student Option; Prereq: undergrad, instructor consent)

31875 001 IND, Independent/Directed Study; Amanda Klein ; 1-5 cr.

5200 Drugs and the U.S. Healthcare System

(Student Option; Prereq: graduate or professional student)
 31925 001 IND, Completely Online; Anna Milone ; 3 cr.

5201 Applied Medical Terminology

(Student Option; Prereq: Basic knowledge of human anatomy/physiology)
 35739 001 IND, Completely Online; Jody Lounsbury ; 2 cr.

5205 Obesity: Issues, Interventions, Innovations

(Student Option; Prereq: Second or third year pharmacy student, or student enrolled in a graduate science or health-related program. Biochemistry and physiology suggested.)
 31880 001 IND, Completely Online; Anna Milone ; 2 cr.

5206 Applied Health Literacy and Communication

(A-F only;)
 31922 001 IND, Completely Online; Ann Lowry ; 3 cr.

5230 Principles of Clinical Pharmacology Research

(A-F only; Prereq: 3rd Year Pharmacy Student or by instructor permission)
 31923 001 LEC, 10:10-12:05 M, Life Sciences Bldg 160, In Person Term Based; Mark Kirstein ; 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 pharmacy student)
 31924 001 LEC, 15:35-17:30 M, Kathryn A Martin Library 410, In Person Term Based; Richard Kingston ; 2 cr.

5610 Pharmacoepidemiology

(A-F only;)
 36947 001 LEC, 15:30-17:30 M, , In Person Term Based; Jon Schommer, Wendy St Peter ; 3 cr.

5700 Applied Fundamentals of

Pharmacotherapy
 (A-F only; Prereq: Medical terminology recommended. Credit will not be granted if credit has been received for Phar 3700.)
 36625 001 IND, Completely Online; Anna Milone ; 3 cr.

6150 CoP Honors: Medicinal Chemistry Seminar

(A-F only; Prereq: instructor consent)
 31865 001 LEC, 15:35-17:30 T, Life Sciences Bldg 163, In Person Term Based; Carrie Haskell-Luevano ; 1 cr.

6160 CoP Honors: Experimental and Clinical Pharmacology Seminar

(A-F only; Prereq: instructor consent)
 31869 001 LEC, 12:20-13:10 W, Life Sciences Bldg 160, In Person Term Based; Swayam Prabha ; 1 cr.

6204 College of Pharmacy Community Outreach

(A-F only; Prereq: Current student pharmacist in College of Pharmacy.)
 31874 001 IND, Independent/Directed Study; Tim Stratton ; 1-3 cr.
 31896 002 IND, Independent/Directed Study; Tim Stratton ; 1-3 cr.

6208 Community-based Immunization Delivery

(S-N or Audit; Prereq: 6175, CPR certification, bloodborne pathogen training, enrolled Pharmacy student)
 31862 001 LEC, 13:25-14:15 W, Life Sciences Bldg 160, In Person Term Based; Meg Little ; 1 cr.

6223 Pharmacokinetics Research Seminar

(A-F only; Prereq: 6163 with a grade of "B" or better.)
 31935 001 LEC, 17:00-19:00 W, Life Sciences Bldg 144, In Person Term Based; William Elmquist ; 1 cr.

6233 Drug Use Review and Management

(A-F only; Prereq: 3rd year pharmacy student)
 31849 001 LEC, 15:35-17:30 T, Life Sciences Bldg 165, In Person Term Based; Angeline Carlson ; 2 cr.

6236 Clinical and Pharmacy Management in Modern U.S. Health Care and Regulatory Landscape
(A-F only;)

31861 001 LEC, 13:25-15:20 W, Life Sciences Bldg 165, 13:25-15:20 W, Life Sciences Bldg 165, In Person Term Based; Andrew Shim, ; 2 cr.

6249 Addiction Medicine, Substance Abuse, and Chemical Dependency
(A-F or Audit; Prereq: 2nd or 3rd year Pharmacy student)

31864 001 LEC, 15:35-17:30 W, Kathryn A Martin Library 410, 15:35-17:30 W, Kathryn A Martin Library 410, In Person Term Based; Dan Berkner, ; 2 cr.

6250 CoP Honors: Social and Administrative Pharmacy Seminar
(A-F only; Prereq: instructor consent)

31850 001 LEC, 15:35-17:30 Th, Life Sciences Bldg 160, In Person Term Based; Jon Schommer, ; 1 cr.

6293 Directed Research I

(Student Option; Prereq: instructor consent)

37143 002 IND, Independent/Directed Study; Laura Palombi ; 1-5 cr.

37185 003 IND, Independent/Directed Study; Jacob Brown ; 1-5 cr.

37269 004 IND, Independent/Directed Study; Michael Swanoski ; 1-5 cr.

6393 Directed Research II

(Student Option; Prereq: instructor consent)

31936 003 IND, Independent/Directed Study; Jacob Brown ; 1-5 cr.

6394 Directed Study II

(A-F or Audit;)

31882 003 IND, Independent/Directed Study; Randall Seifert ; 1-5 cr.

31897 004 IND, Independent/Directed Study; Amy Pittenger ; 1-5 cr.

31933 005 IND, Independent/Directed Study; Gardner Lepp ; 1-5 cr.

31937 006 IND, Independent/Directed Study; Randall Seifert ; 1-5 cr.

37460 008 IND, In Person Term Based; Randall Seifert ; 1-5 cr.

6494 Directed Study III

(S-N or Audit;)

31848 001 IND, Independent/Directed Study; Gardner Lepp ; 1-5 cr.

6700 Becoming a Pharmacist

(S-N only;)

31886 001 LEC, 9:05-16:30 M, Kathryn A Martin Library 410, 9:05-16:30 T, Kathryn A Martin Library 410, 9:05-16:30 W, Kathryn A Martin Library 410, 8:00-17:00 Th, 9:05-16:30 F, Kathryn A Martin Library 410, 9:05-15:20 M, Kathryn A Martin Library 410, 10:10-18:00 T, Kathryn A Martin Library 410, 7:30-17:00 W, 9:05-17:00 Th, Kathryn A Martin Library 410, 9:05-15:20 F, Kathryn A Martin Library 410, 8:00-15:20 M, Kathryn A Martin Library 410, 8:00-15:20 T, Kathryn A Martin Library 410, 8:00-16:00 Th, Kathryn A Martin Library 410, 8:00-18:00 Th, In Person Term Based; Paul Ranelli, Jason Varin, ; 2 cr.

6701 CoP Community Outreach

(No Grade Associated; Prereq: Current Student Pharmacist in the College of Pharmacy)

31928 001 FWK, In Person Term Based; Tim Stratton, Tom Larson ; 0 cr.

31929 002 FWK, In Person Term Based; Tim Stratton, ; 0 cr.

6702 Integrated Biochemical Sciences

(A-F only; Prerequisite for advanced studies in pharmacy. The basic goals are to familiarize the students to the structural and physical properties of proteins, nucleic acids, lipids and carbohydrates, as well as ligands/drugs that bind to these macromolecules in an effort to understand the functional role each plays in the biochemistry of medicinals and the normal and abnormal functioning of a cell. A particular emphasis is placed on the basic concepts that are central to structure-function relationships of therapeutics. Macromolecular classes are presented progressively from basic monomeric structural composition and structural diversity to macromolecular assemblies and associated intrinsic function to macromolecular involvement in cellular architecture and cellular processes to molecular

pathology with specific examples. prereq: Successful completion of Becoming a Pharmacist (BaP)

31891 001 LEC, 13:25-15:20 M, Kathryn A Martin Library 410, 11:15-12:05 F, Life Sciences Bldg 163, 13:25-15:20 W, Life Sciences Bldg 163, In Person Term Based; Jon Rumbley, David Ferguson, ; 4.5 cr.

6704 Foundations of Social and Administrative Pharmacy

(A-F only; Prereq: Successful completion of Becoming a Pharmacist (BaP))

31888 001 LEC, 10:10-12:05 Th, Life Sciences Bldg 163, 10:10-12:05 M, Kathryn A Martin Library 410, In Person Term Based; Olieh Okoro, Jon Schommer, ; 2.5 cr.

6706 Foundations of Pharmaceutical Care
(A-F only; Prereq: Successful completion of Becoming a Pharmacist (BaP))

31887 001 LEC, 8:25-9:55 W, Life Sciences Bldg 163, 8:25-9:55 M, Kathryn A Martin Library 410, In Person Term Based; Kerl Hager, Brian Isetts, ; 1.5 cr.

6708 Drug Delivery I

(A-F only; Prereq: Successful completion of Becoming a Pharmacist (BaP))

31890 001 LEC, 9:05-11:00 F, Life Sciences Bldg 163, 10:10-12:05 W, Life Sciences Bldg 163, In Person Term Based; Joseph Johnson, Calvin Sun, ; 2.5 cr.

6710 Pharmaceutical Care Skills Lab I

(A-F only; Prereq: Successful completion of Becoming a Pharmacist (BaP))

31892 001 LEC, 8:00-9:55 Th, Kathryn A Martin Library 410, In Person Term Based; Karen Bastianelli, Jennifer Chen ; 2 cr.

31893 002 LAB, 13:25-15:20 T, Life Sciences Bldg 216, In Person Term Based; Karen Bastianelli, Jennifer Chen ; 2 cr.

31894 003 LAB, 15:35-17:30 T, Life Sciences Bldg 216, In Person Term Based; Karen Bastianelli, Jennifer Chen ; 2 cr.

6728 Pharmaceutical Calculations

(A-F only; Prereq: enrolled in the Pharm.D. program, successful completion of Phar 6700)

31920 001 LEC, 13:25-14:15 Th, Life Sciences Bldg 163, In Person Term Based; Karen Bastianelli, Jennifer Chen ; 0.7 cr.

31920 001 LEC, 13:25-14:15 Th, Life Sciences Bldg 163, In Person Term Based; Karen Bastianelli, Jennifer Chen ; 0.7 cr.

6730 Career and Professional Foundations II

(S-N only; Prereq: Successful completion of PD concurrent registration is required (or allowed) in A I)

31907 001 DIS, 8:00-12:05 Th, Life Sciences Bldg 165, 13:25-16:30 Th, Life Sciences Bldg 165, 8:30-9:55 M, Life Sciences Bldg 165, 8:00-12:05 W, Life Sciences Bldg 165, 13:25-16:30 W, Life Sciences Bldg 165, 8:00-12:05 W, 13:25-16:30 W, In Person Term Based; Randall Seifert, Gardner Lepp, Caroline Gaither, ; 0.5 cr.

6732 Medicinal Chemistry and Pharmacology of Cardiovascular Agents
(A-F only; Prereq: Principles of Pharmacology and Principles of Medicinal Chemistry)

31898 001 LEC, 8:00-9:55 M, Life Sciences Bldg 165, 8:00-9:55 Th, Life Sciences Bldg 163, 8:00-9:55 M, Life Sciences Bldg 163, In Person Term Based; L'Aurelle Johnson, Venkatram Mereddy, ; 2.3 cr.

6734 Cellular Metabolism and Nutrition

(A-F only; Prereq: Integrated Biochemical Sciences)

31899 001 LEC, 13:25-14:15 M, Life Sciences Bldg 165, 11:15-12:05 F, Life Sciences Bldg 165, 11:15-12:05 T, Life Sciences Bldg 163, 13:25-14:15 Th, Kathryn A Martin Library 410, 11:15-12:05 T, Kathryn A Martin Library 410, In Person Term Based; Jon Rumbley, Rodney Johnson, ; 2.8 cr.

6736 Cardiovascular Pharmacotherapy

(A-F only; Prereq: All PharmD year one coursework, Physiology Competency Exam)

31900 001 LEC, 10:10-12:05 M, Life Sciences Bldg 165, 10:10-12:05 Th, Kathryn A Martin Library 410, 9:05-11:00 T, Kathryn A Martin Library 410, In Person Term Based; Megan Undeberg, Anne Schullio-Feulner, ; 1.9 cr.

6738 Pharmacokinetics

(A-F only; Prereq: Drug Delivery I concurrent registration is required (or allowed) in II)

31901 001 LEC, 14:30-15:20 M, Life Sciences Bldg 165, 10:10-11:00 F, Life Sciences Bldg 165, 14:30-16:25 Th, Kathryn A Martin Library 410, In Person Term Based; William Elmquist, Jacob Brown, ; 3.7 cr.

6740 Pharmaceutical Care Skills Lab III

(A-F only; Prereq: Pharmaceutical Care Skills Lab I concurrent registration is required (or allowed) in II, Applied Pharmaceutical Care)

31902 001 DIS, 8:00-9:55 F, Life Sciences Bldg 163, 8:00-9:55 F, Kathryn A Martin Library 410, In Person Term Based; Jared Van Hooser, Nichole Rupnow, ; 2 cr.

31903 002 LAB, 13:25-15:20 W, Life Sciences Bldg 216, 13:25-15:20 W, Life Sciences Bldg 216, 13:25-15:20 W, Life Sciences Bldg 216, In Person Term Based; Jared Van Hooser, Nichole Rupnow, ; 2 cr.

31904 003 LAB, 15:35-17:30 W, Life Sciences Bldg 216, 15:35-17:30 W, Life Sciences Bldg 216, 15:35-17:30 W, Life Sciences Bldg 216, In Person Term Based; Jared Van Hooser, Nichole Rupnow, ; 2 cr.

31904 003 LAB, 15:35-17:30 W, Life Sciences Bldg 216, 15:35-17:30 W, Life Sciences Bldg 216, 15:35-17:30 W, Life Sciences Bldg 216, In Person Term Based; Jared Van Hooser, Nichole Rupnow, ; 2 cr.

6760 Career and Professional Foundations IV

(S-N only; Prereq: Phar 6715, 6730, 6745)

31919 001 DIS, 8:00-12:05 M, Life Sciences Bldg 163, 13:25-16:30 M, Life Sciences Bldg 163, 8:00-12:05 F, Life Sciences Bldg 163, 13:25-16:30 F, Life Sciences Bldg 163, 8:00-12:05 W, 13:25-16:30 W, In Person Term Based; Randall Seifert, Gardner Lepp, Caroline Gaither, ; 0.5 cr.

6762 Medicinal Chemistry and Neuropharmacology

(A-F only; Prereq: Phar 6722, 6726, and 6732)

31909 001 LEC, 8:00-9:55 T, Life Sciences Bldg 163, 8:00-9:55 W, Kathryn A Martin Library 410, 8:00-9:55 W, Kathryn A Martin Library 410, In Person Term Based; Amanda Klein, Carolyn Fairbanks, ; 2.8 cr.

6766 Biotechnology-Derived Drugs

(A-F only; Prereq: Phar 6702, 6722, 6726, 6724, 6734, and 6752)

31910 001 LEC, 13:25-14:15 F, Life Sciences Bldg 163, 10:10-12:05 W, Kathryn A Martin Library 410, 10:10-12:05 W, Life Sciences Bldg 163, 13:25-14:15 F, Life Sciences Bldg 163, 10:10-12:05 W, Kathryn A Martin Library 410, In Person Term Based; W. Thomas Shier, Nam Chul Kim, ; 1 cr.

6768 Infectious Diseases

(A-F only; Prereq: Phar 6702, 6706, 6718, 6724, 6736, 6738, 6748, 6756, 6758)

31918 001 LEC, 13:25-14:15 T, Life Sciences Bldg 163, 13:25-15:20 Th, Life Sciences Bldg 163, 13:25-15:20 Th, Life Sciences Bldg 165, 13:25-14:15 T, Kathryn A Martin Library 410, 13:25-14:15 F, Life Sciences Bldg 165, In Person Term Based; John Rotschafner, Paul Ranelli, ; 3 cr.

31910 001 LEC, 13:25-14:15 F, Life Sciences Bldg 163, 10:10-12:05 W, Kathryn A Martin Library 410, 10:10-12:05 W, Life Sciences Bldg 163, 13:25-14:15 F, Life Sciences Bldg 163, 10:10-12:05 W, Kathryn A Martin Library 410, In Person Term Based; W. Thomas Shier, Nam Chul Kim, ; 1 cr.

6768 Infectious Diseases

(A-F only; Prereq: Phar 6702, 6706, 6718, 6724, 6736, 6738, 6748, 6756, 6758)

31918 001 LEC, 13:25-14:15 T, Life Sciences Bldg 163, 13:25-15:20 Th, Life Sciences Bldg 163, 13:25-15:20 Th, Life Sciences Bldg 165, 13:25-14:15 T, Kathryn A Martin Library 410, 13:25-14:15 F, Life Sciences Bldg 165, In Person Term Based; John Rotschafner, Paul Ranelli, ; 3 cr.

6770 Pharmaceutical Care Skills Lab V

(A-F only; Prereq: Pharmaceutical Care Skills Labs I, II, III, and IV, and Applied Pharmaceutical Care)

31915 001 DIS, 8:00-9:55 Th, Life Sciences Bldg 163, 8:00-9:55 Th, Life Sciences Bldg 165, In Person Term Based; Angela Cortese, Sarah Schweiss ; 2 cr.

31916 002 LAB, 8:00-9:55 M, Life Sciences Bldg 216, In Person Term Based; Sarah Schweiss, Angela Cortese ; 2 cr.

31917 003 LAB, 10:10-12:05 M, Life Sciences Bldg 216, In Person Term Based; Sarah Schweiss, Angela Cortese ; 2 cr.

6772 Topics in Pharmacotherapy

(A-F only; Prereq: All required PharmD year two coursework)

31911 001 LEC, 8:00-9:55 F, Life Sciences Bldg 165, 10:10-12:05 W, Kathryn A Martin Library 410, 10:10-12:05 W, Kathryn A Martin Library 410, In Person Term Based; Michael Swanoski, Tom Larson, ; 1.6 cr.

31911 001 LEC, 8:00-9:55 F, Life Sciences Bldg 165, 10:10-12:05 W, Kathryn A Martin Library 410, 10:10-12:05 W, Kathryn A Martin Library 410, In Person Term Based; Michael Swanoski, Tom Larson, ; 1.6 cr.

6774 Pharmacotherapy of Neurologic and Psychiatric Disorders

(A-F only; Prereq: All required PharmD year two coursework)

31912 001 LEC, 10:10-12:05 F, Kathryn A Martin Library 410, 10:10-12:05 TTh, Life Sciences Bldg 165, In Person Term Based; Mark Schneiderhan, Michael Kotlyar, ; 3.1 cr.

6782 Practice-Based Problem Solving with Evidence-based Methods II: Applications
(A-F only; Prereq: Phar 6700, 6704, 6706, 6742)

36977 001 LEC, In Person Term Based; Grant Anderson, Jeannine Conway ; 0.8 cr.

6906 Introduction to Pharmacy Research

(A-F only; Prereq: consent of course director)

31905 001 LEC, 14:30-15:20 T, Life Sciences Bldg 165, In Person Term Based; Catherine St Hill, ; 1 cr.

6937 Foundations of Leadership

(A-F only; Prereq: PDII or PDIII Pharmacy Student)

31906 001 DIS, 10:10-12:05 W, Life Sciences Bldg 160, 10:10-12:05 W, Life Sciences Bldg 160, In Person Term Based; Kerry Fierke ; 2 cr.

6939 Leading Change Experience I
(S-N only; Prereq: Phar 6937 and 6938)

31921 001 DIS, 14:30-16:25 T, Life Sciences Bldg 160, In Person Term Based; Kerry Fierke ; 2 cr.

6941 Leadership Best Sellers for Pharmacists
(A-F only;)

31927 001 DIS, Completely Online; Kristin Janke, Todd Sorensen ; 2 cr.

6961 Women's Health

(A-F or Audit; Prereq: courses: Endocrinology pharmacotherapy sequence in the PD2 year; prereq topics: Contraceptive agents, emergency contraception, hormonal contraception)

31914 001 LEC, 13:25-15:20 M, Life Sciences Bldg 163, In Person Term Based; Megan Undeberg, Jean Moon ; 2 cr.

7128 Acute Patient Care Practice Experience II

(A-F only; Prereq: Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31857 001 FWK, 00:00-00:00 , , In Person Term Based; 4 cr.

7213 Elective Practice Experience III

(A-F only; Prereq: Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31860 001 FWK, 00:00-00:00 , , In Person Term Based; 4 cr.

7214 Elective Practice Experience IV

(A-F only; Prereq: Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31877 001 IND, 00:00-00:00 , , Independent/Directed Study; 4 cr.

7310 Introduction to Community Health and Interprofessional Engagement

(S-N only; Prereq: Successful completion of Becoming a Pharmacist (BaP))

31889 001 DIS, 13:25-15:20 F, Kathryn A Martin Library 410, 13:25-15:20 F, Life Sciences Bldg 163, 13:25-15:20 F, Kathryn A Martin Library 410, In Person Term Based; Laura Palombi, Oscar Garza, ; 1 cr.

7330 Community Teacher Experience I

(S-N only; Prereq: Students must have completed or be currently enrolled in the following courses: Becoming a Pharmacist Foundations of Pharmaceutical Care Applied Pharmaceutical Care Pharmaceutical Skills Lab I and II)

31908 001 FWK, 13:00-17:30 F, Kathryn A Martin Library 410, In Person Term Based; Keri Hager, Donald Uden ; 0.4 cr.

7401 Acute Patient Care Practice Experience

(S-N only; Prereq: Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31854 001 FWK, In Person Term Based; Scott Chapman ; 12 cr.

7411 Ambulatory Patient Care Practice Experience I

(S-N only; Prereq: Pharm.D. IV, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31855 001 FWK, In Person Term Based; Jean Moon ; 5 cr.

7412 Ambulatory Care Elective 2

(S-N only; Prereq: Pharm.D. IV, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31930 001 FWK, In Person Term Based; Jean Moon ; 5 cr.

7413 Community Pharmacy Practice Experience

(S-N only; Prereq: Pharm.D. IV, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31853 001 FWK, In Person Term Based; Caitlin Frail ; 5 cr.

7421 Elective Practice Experience I

(S-N only; Prereq: Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31858 001 FWK, In Person Term Based; Angela Cortese, Ann Philbrick, Christene Jolowsky ; 5 cr.

7422 Elective Practice Experience II

(S-N only; Prereq: Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31859 001 FWK, In Person Term Based; Angela Cortese, Ann Philbrick, Christene Jolowsky ; 5 cr.

7431 Patient Care Practice Experience Elective I

(S-N only; Prereq: Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31856 001 FWK, In Person Term Based; Ann Philbrick, Christene Jolowsky ; 5 cr.

7432 Patient Care Practice Experience Elective 2

(S-N only; Prereq: Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31931 001 FWK, In Person Term Based; Ann Philbrick, Christene Jolowsky ; 5 cr.

7433 Patient Care Practice Experience Elective 3

(S-N only; Prereq: Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)

31932 001 FWK, In Person Term Based; Ann Philbrick, Christene Jolowsky ; 5 cr.

Philosophy (PHIL)

1001 Introduction to Philosophy

(A-F or Audit; HUMANITIES)

29817 002 LEC, 15:00-16:15 TTh, Solon Campus Center 120, In Person Term Based; Sean Walsh ; 3 cr.
37291 003 LEC, 11:00-12:15 TTh, Humanities Building 314, In Person Term Based; Sean Walsh ; 3 cr.

1003 Ethics and Society

(A-F or Audit; Prereq: credit will not be granted if already received for CLA 1101HUMANITIES,CDIVERSITY)

29419 001 LEC, 8:00- 8:50 MWF, Montague Hall 70, In Person Term Based; Alexis Elder ; 3 cr.
29708 002 LEC, 14:00-14:50 MWF, Humanities Building 403, In Person Term Based; Alexis Elder ; 3 cr.

1005 Philosophy through Dialogue and Debate

(A-F or Audit; COMM & LAN)

33203 001 LEC, 15:00-15:50 MWF, Cina Hall 106, In Person Term Based; Jason Ford ; 3 cr.

1008 Critical Thinking

(A-F or Audit; LOGIC & QR)

29598 001 LEC, 9:00- 9:50 MTWTF, Chemistry Building 150, In Person Term Based; Jeanine Schroer ; 4 cr.

1021 Classical Mythology

(A-F or Audit; HUMANITIES)

33204 001 LEC, 8:00- 9:15 TTh, Humanities Building 314, In Person Term Based; Sharon Rabinoff ; 3 cr.

1025 Introduction to Cognitive Science

(A-F or Audit; NAT SCI)

29690 001 LEC, 14:00-14:50 MWF, A B Anderson Hall 245, In Person Term Based; Robert Schroer ; 3 cr.

2021 Science and Pseudo-Science: Thinking about Weird Things

(A-F or Audit; HUMANITIES)

29625 001 LEC, 12:00-12:50 MWF, Solon Campus Center 120, In Person Term Based; Robert Schroer ; 3 cr.

3242 Values and Technology

(A-F or Audit; Prereq: 60 cr or instructor consentHUMANITIES)

33205 001 LEC, 9:00- 9:50 MWF, A B Anderson Hall 445, In Person Term Based; Alexis Elder ; 3 cr.

3245 Aesthetics

(A-F or Audit; Prereq: Min 45 cr or instructor consent, credit will not be granted if already received for 5245)

33206 001 LEC, 14:00-14:50 MWF, Darland Admin Bldg 16A, In Person Term Based; Jeanine Schroer ; 3 cr.

3301 Greek Philosophy

(A-F or Audit; Prereq: 30 cr or instructor consent)

35540 001 LEC, 10:00-11:50 MWF, Humanities Building 484, In Person Term Based; Sharon Rabinoff ; 4 cr.

3319 19th Century Philosophy

(A-F or Audit; Prereq: Min 30 cr or instructor consent)

33207 001 LEC, 11:00-12:50 TTh, Voss-Kovach Hall 115, In Person Term Based; Sharon Rabinoff ; 4 cr.

3900 Colloquium for Majors

(S-N or Audit; Prereq: Phil major/minor, department consent ; attendance at 12 dept-approved lectures/discussions over 4-yr period; regis only during semester of 10th lect)

29462 001 LEC, 00:00-00:00 , , Independent/Directed Study; Jason Ford ; 1 cr.

4900 Seminar in Philosophy

(A-F or Audit; Prereq: 12 cr Phil or instructor consent; no grad credit)

29502 001 LEC, 13:00-14:50 TTh, Heller Hall 216, In Person Term Based; Sean Walsh ; 4 cr.

5991 Independent Study

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

29464 001 IND, Independent/Directed Study; Robert Schroer ; 1-3 cr.
29818 002 IND, Independent/Directed Study; Jeanine Schroer ; 1-3 cr.
29819 003 IND, Independent/Directed Study; Jason Ford ; 1-3 cr.
33208 004 IND, Independent/Directed Study; Sharon Rabinoff ; 1-3 cr.
33209 005 IND, Independent/Directed Study; Alexis Elder ; 1-3 cr.
33210 006 IND, Independent/Directed Study; Sean Walsh ; 1-3 cr.

5997 Intern Teaching Assistantship

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

29463 001 FWK, 00:00-00:00 , , In Person Term Based; Jason Ford ; 2 cr.
33211 002 FWK, In Person Term Based; Alexis Elder ; 2 cr.
33212 003 FWK, In Person Term Based; Jeanine Schroer ; 2 cr.
33213 004 FWK, In Person Term Based; Robert Schroer ; 2 cr.
33214 005 FWK, In Person Term Based; Sharon Rabinoff ; 2 cr.
33215 006 FWK, In Person Term Based; Sean Walsh ; 2 cr.

Physical Education (PE)

1300 Ballroom Dance

(Student Option;)

29139 001 LAB, 18:00-19:50 M, Sports and Health Center 135, In Person Term Based; Cynthia Carlson ; 1 cr.

1402 Tennis

(Student Option;)

35760 001 LAB, 11:00-11:50 MW, Sports and Health Center 8, 11:00-11:50 MW, Ward Wells Field House 25, In Person Term Based; Elizabeth Fleissner ; 1 cr.

1414 Bowling

(Student Option;)

28922 001 LAB, 14:00-15:40 M, Skyline Lanes, 14:00-15:40 M, Sports and Health Center 191, 14:00-15:40 M, Sports and Health Center 193, In Person Term Based; Elizabeth Fleissner ; 1 cr.

1507 Introduction to River Kayaking

(Student Option;)
29075 001 LAB, 14:00-15:40 T, Sports and Health Center 20, In Person Term Based; Randall Carlson ; 1 cr.

1508 Flatwater Canoeing

(Student Option;)
28872 001 LAB, 8:00-11:30 M, Aquatic Center, 9:00-11:30 M, Sports and Health Center 20, 8:00- 8:50 M, Sports and Health Center 9, In Person Term Based; Gregory Petry ; 1 cr.

1512 Fishing Skills

(Student Option;)
29231 001 LAB, 14:00-15:50 T, Sports and Health Center 8, In Person Term Based; Jim Knapp ; 1 cr.

1530 Rock Climbing

(Student Option;)
28881 001 LAB, 14:00-18:00 T, Sports and Health Center 78, In Person Term Based; 1 cr.

1600 Physical Fitness

(Student Option;)
28923 001 LAB, 9:00- 9:50 W, Sports and Health Center 135, 9:00- 9:50 MW, Ward Wells Field House 25, In Person Term Based; Trista Anderson ; 1 cr.

1601 Aerobics

(Student Option;)
28883 001 LAB, 8:00- 8:50 TTh, Sports and Health Center 135, In Person Term Based; Patricia Wendinger ; 1 cr.

1614 Self Defense

(Student Option;)
29140 001 LAB, 18:00-19:50 T, Sports and Health Center 135, In Person Term Based; Bruce Sodahl ; 1 cr.

1615 Jujutsu

(Student Option;)
29114 001 LAB, 12:00-12:50 TTh, Sports and Health Center 150A, In Person Term Based; Jason Davis ; 1 cr.

1616 Weight Training

(Student Option;)
28877 001 LAB, 9:00- 9:50 M, Sports and Health Center 135, 9:00- 9:50 MW, Sports and Health Center 92, In Person Term Based; Michael Wendinger ; 1 cr.

1702 Soccer

(A-F or Audit;)
36754 001 LAB, 8:00- 8:50 MW, Ward Wells Field House 25, In Person Term Based; Elizabeth Fleissner ; 1 cr.

1706 Volleyball

(Student Option;)
28924 001 LAB, 9:00- 9:50 MW, Sports and Health Center 150, In Person Term Based; Patricia Wendinger ; 1 cr.

1901 Varsity Football

(S-N only; Prereq: instructor consent)
28926 001 LAB, In Person Term Based; Trey Dill ; 1 cr.

1903 Varsity Soccer

(S-N only; Prereq: instructor consent)
28927 001 LAB, In Person Term Based; Greg Cane ; 1 cr.

1905 Varsity Basketball

(S-N only; Prereq: instructor consent)
28928 001 LAB, In Person Term Based; Matt Bowen ; 1 cr.

1907 Varsity Ice Hockey

(S-N only; Prereq: instructor consent)
28929 001 LAB, In Person Term Based; Scott Sandelin ; 1 cr.
28931 002 LAB, In Person Term Based; Maura Crowell ; 1 cr.

1913 Varsity Cross Country

(S-N only; Prereq: instructor consent)
28930 001 LAB, In Person Term Based; Paul Nisius ; 1 cr.

Physical Education Teacher (PETE)

1000 Introduction and Foundations of Physical Education

(A-F or Audit; Prereq: Pre-PE major or instructor consent)
28970 001 LEC, 11:00-11:50 MTWThF, Sports and Health Center 208, 11:00-11:50 MTWThF, Sports and Health Center 135, In Person Term Based; Patricia Wendinger ; 4 cr.

1001 Teaching Games and Activities

(A-F or Audit; Prereq: Pre or PE major)
28966 001 LEC, 8:00- 8:50 MWF, Sports and Health Center 208, 8:00- 8:50 MWF, Sports and Health Center 150, In Person Term Based; Patricia Wendinger ; 2 cr.

1002 Teaching Team Sport Activities

(A-F or Audit; Prereq: Pre PE)
29069 001 LEC, 10:00-10:50 MWF, Sports and Health Center 210, 10:00-10:50 MWF, Sports and Health Center 150, In Person Term Based; Patricia Wendinger ; 2 cr.

1006 Teaching Aquatic Activities

(A-F or Audit; Prereq: Pre-Physical Education, HLTH 1700; credit will not be granted if already received for both PE 2240 and 2244.)
29070 001 LEC, 8:00- 9:15 TTh, Sports and Health Center 20, In Person Term Based; Ted Patton ; 2 cr.

1008 Teaching Rhythmic Activities

(A-F or Audit; Prereq: Pre PE major)
29098 001 LEC, 13:00-14:15 TTh, Sports and Health Center 210, 13:00-14:15 TTh, Sports and Health Center 150A, In Person Term Based; Patricia Wendinger ; 2 cr.

3100 Curricular Approaches in Physical Education

(A-F or Audit; Prereq: Pre-Physical Education)
29066 001 LEC, 9:00- 9:50 MWF, Sports and Health Center 150A, 9:00- 9:50 MWF, Sports and Health Center 9A, In Person Term Based; Mark Nierengarten ; 3 cr.

3400 Adapted Physical Education

(A-F or Audit; Prereq: PE major or candidate or instructor consent)
28844 001 LEC, 9:30-10:45 TTh, Sports and Health Center 208, 9:30-10:45 TTh, Sports and Health Center 150, In Person Term Based; Jim Knapp ; 3 cr.

3500 Student Assessment in Physical Education

(A-F or Audit; Prereq: PE Major or Candidate or instructor consent)
28971 001 LEC, 12:00-12:50 MWF, Sports and Health Center 210, 12:00-12:50 MWF, Sports and Health Center 150A, In Person Term Based; Mark Nierengarten ; 3 cr.

3505 Teaching Outdoor Skills I

(A-F or Audit; Prereq: ENED 1201 or 1203, ENED 1202 or 1204, PE 1508, and Environmental & Outdoor Educ major or minor or instructor consent; Wilderness First Responder Certificate preferred.)
29094 001 LEC, 14:30-17:20 M, Aquatic Center, In Person Term Based; Matti Erpestad ; 2 cr.

4200 Secondary Physical Education

Methods
(A-F only; Prereq: 1006, 4100, concurrent registration 4225, Secondary Teacher Education Program (STEP) or instructor consent)
28967 001 LEC, 8:00-11:50 TTh, Sports and Health Center 22, In Person Term Based; Sandra Chesley ; 4 cr.

4225 Apprenticeship: Secondary

(A-F only; Prereq: 1006, 4100, 4200 concurrent registration, Secondary Education Teacher Program (STEP) or instructor consent; no grad credit)
32992 001 FWK, In Person Term Based; Sandra Chesley ; 2 cr.

4250 Supervised Teaching College I:

Planning for Instruction
(A-F only; Prereq: 4100 or 4200, Secondary Teacher Education Program (STEP), instructor consent; no grad credit)
32993 001 FWK, 9:00- 9:50 F, Sports and Health Center 8, In Person Term Based; Patricia Wendinger ; 1 cr.

4255 Supervised Teaching College II:

Implementation and Class Management
(A-F or Audit; Prereq: 4250 and instructor consent; no grad credit)
29167 001 FWK, 12:00-12:50 M, Sports and Health Center 205, In Person Term Based; Patricia Wendinger ; 1 cr.

4600 Seminar in Physical Education

(A-F or Audit; Prereq: Physical Education candidate; no grad credit)
29067 001 LEC, 19:00-19:50 T, Sports and Health Center 208, Partially Online; Mark Nierengarten ; 1 cr.

4991 Independent Study

(A-F or Audit; Prereq: PE or Exer Sci major and instructor consent; no grad credit)

28882 001 IND, Independent/Directed Study; Mark Nierengarten ; 1-4 cr.

Physics (PHYS)

1001 Introduction to Physics I

(A-F or Audit; Prereq: Algebra, trigNAT SCI)
29902 001 LEC, 8:00- 8:50 MTWTF, M W Alworth Hall 195, In Person Term Based; Bruce Ludewig ; 5 cr.
29903 002 LAB, 9:00-10:50 T, M W Alworth Hall 275, In Person Term Based; 5 cr.
29904 003 LAB, 11:00-12:50 T, M W Alworth Hall 275, In Person Term Based; 5 cr.
29905 004 LAB, 13:00-14:50 T, M W Alworth Hall 275, In Person Term Based; 5 cr.
29906 006 LAB, 14:00-15:50 W, M W Alworth Hall 275, In Person Term Based; 5 cr.
29907 007 LAB, 8:00- 9:50 Th, M W Alworth Hall 275, In Person Term Based; 5 cr.
30152 008 LAB, 10:00-11:50 Th, M W Alworth Hall 275, In Person Term Based; 5 cr.
30153 009 LAB, 12:00-13:50 Th, M W Alworth Hall 275, In Person Term Based; 5 cr.
30389 010 LAB, 16:00-17:50 Th, M W Alworth Hall 275, In Person Term Based; 5 cr.
32013 005 LAB, 16:00-17:50 T, M W Alworth Hall 275, In Person Term Based; Bruce Ludewig ; 5 cr.
37290 151 LAB, In Person Term Based; Penny Juenemann ; 5 cr.

1002 Introduction to Physics II

(A-F or Audit; Prereq: 1001 or 2013 or 2017)
30166 001 LEC, 9:00- 9:50 MTWTF, M W Alworth Hall 195, In Person Term Based; Bruce Ludewig ; 5 cr.
30167 002 LAB, 10:00-11:50 T, M W Alworth Hall 249, In Person Term Based; 5 cr.
33000 006 LAB, 8:00- 9:50 Th, M W Alworth Hall 249, In Person Term Based; 5 cr.
33003 007 LAB, 12:00-13:50 Th, M W Alworth Hall 249, In Person Term Based; 5 cr.

1011 Conceptual Physics

(A-F or Audit; Prereq: Will not satisfy major or minor requirements in physNAT SCI)
30073 001 LEC, 13:00-13:50 MWF, M W Alworth Hall 195, In Person Term Based; Darrin Johnson ; 3 cr.

1021 Exploring Current Topics in Physics

(A-F or Audit;)
30154 001 LEC, 9:00- 9:50 Th, M W Alworth Hall 195, In Person Term Based; Audrey Todhunter ; 1 cr.

1035 Energy

(A-F only; NAT SCI,SUSTAIN)
30520 001 LEC, 11:00-11:50 MWF, M W Alworth Hall 195, In Person Term Based; Richard Gran ; 3 cr.

2013 General Physics I

(A-F or Audit; Prereq: previous or concurrent registration in PHYS 2014. Prerequisite of Math 1290 or 1296 or 1596; credit will not be granted if already received for PHYS 1201 or 2011.NAT SCI)
30523 001 LEC, 14:00-15:50 MW, M W Alworth Hall 347, In Person Term Based; Sam Kelly ; 4 cr.
30526 011 LEC, 10:00-11:50 MW, M W Alworth Hall 347, In Person Term Based; Eric West ; 4 cr.
30527 002 DIS, 14:00-14:50 F, Cina Hall 316, In Person Term Based; Audrey Todhunter ; 4 cr.
30528 003 DIS, 15:00-15:50 F, Cina Hall 316, In Person Term Based; Robin Berglund ; 4 cr.
30529 012 DIS, 10:00-10:50 F, Bohannon Hall 108, In Person Term Based; Bill Wolz ; 4 cr.
30530 013 DIS, 11:00-11:50 F, Cina Hall 102, In Person Term Based; Bill Wolz ; 4 cr.
30713 021 LEC, 14:00-15:50 TTh, M W Alworth Hall 347, In Person Term Based; Jacob Wainman ; 4 cr.
30714 022 DIS, 14:00-14:50 F, Kirby Plaza 385, In Person Term Based; Jacob Wainman ; 4 cr.
30716 023 DIS, 15:00-15:50 F, Kirby Plaza 385, In Person Term Based; Jacob Wainman ; 4 cr.
30717 031 LEC, 10:00-11:50 TTh, M W Alworth Hall 347, In Person Term Based; Eric West ; 4 cr.
30718 032 DIS, 10:00-10:50 F, Bohannon Hall 104, In Person Term Based; Sophia Chabysheva ; 4 cr.
30719 033 DIS, 11:00-11:50 F, James I Swenson Sci Bldg 115, In Person Term Based; Sophia Chabysheva ; 4 cr.
30720 041 LEC, 8:00- 9:50 MW, M W Alworth Hall 347, In Person Term Based; Darrin Johnson ; 4 cr.
30721 042 DIS, 8:00- 8:50 F, Ed Endazhi-giknoo'aamaading 50, In Person Term Based; Bill Wolz ; 4 cr.
30722 043 DIS, 9:00- 9:50 F, Cina Hall 102, In Person Term Based; Bill Wolz ; 4 cr.

2014 General Physics Lab I

This information is accurate as of 2018-02-16 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at <http://onestop.umn.edu>. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.

(A-F or Audit; Prereq: previous or concurrent enrollment in PHYS 2013NAT SCI)
 30472 002 LAB, 10:00-11:50 T, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30474 004 LAB, 14:00-15:50 T, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30475 005 LAB, 16:00-17:50 T, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30476 006 LAB, 18:00-19:50 T, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30477 007 LAB, 8:00- 9:50 W, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30478 008 LAB, 10:00-11:50 W, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30479 010 LAB, 17:00-18:50 W, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30480 011 LAB, 8:00- 9:50 Th, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30481 012 LAB, 10:00-11:50 Th, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30482 013 LAB, 12:00-13:50 Th, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30522 015 LAB, 16:00-17:50 Th, M W Alworth Hall 277, In Person Term Based; 1 cr.
 30607 001 LAB, 8:00- 9:50 T, M W Alworth Hall 277, In Person Term Based; 1 cr.
 33131 009 LAB, 14:00-15:50 W, M W Alworth Hall 277, In Person Term Based; Kurt Vandonselaar ; 1 cr.
 33132 017 LAB, 9:00-10:50 F, M W Alworth Hall 277, In Person Term Based; sheyda salehirad ; 1 cr.

2015 General Physics II

(A-F or Audit; Prereq: previous or concurrent registration in 2016. Prerequisite of 2011 or 2013 and 2014, Math 1297 or 1597; credit will not be granted if already received for PHYS 1202, 1204 or 2012.)
 30483 001 LEC, 12:00-13:50 MW, M W Alworth Hall 347, In Person Term Based; Audrey Todhunter ; 4 cr.
 30524 002 DIS, 12:00-12:50 F, Bohannon Hall 104, In Person Term Based; Robin Berglund ; 4 cr.
 30531 003 DIS, 13:00-13:50 F, Bohannon Hall 104, In Person Term Based; Robin Berglund ; 4 cr.
 30532 011 LEC, 16:00-17:50 MW, M W Alworth Hall 347, In Person Term Based; Bill Wolz ; 4 cr.
 30533 012 DIS, 16:00-16:50 F, Cina Hall 316, In Person Term Based; Robin Berglund ; 4 cr.
 30534 013 DIS, 17:00-17:50 F, Cina Hall 316, In Person Term Based; Robin Berglund ; 4 cr.
 30766 021 LEC, 12:00-13:50 TTh, M W Alworth Hall 347, In Person Term Based; Richard Gran ; 4 cr.
 30767 022 DIS, 12:00-12:50 F, Kirby Plaza 385, In Person Term Based; John Gustafson ; 4 cr.
 30768 023 DIS, 13:00-13:50 F, Kirby Plaza 385, In Person Term Based; John Gustafson ; 4 cr.
 30769 031 LEC, 16:00-17:50 TTh, M W Alworth Hall 347, In Person Term Based; Alec Habig ; 4 cr.
 30770 032 DIS, 16:00-16:50 F, Kirby Plaza 385, In Person Term Based; John Gustafson ; 4 cr.
 30771 033 DIS, 17:00-17:50 F, Kirby Plaza 385, In Person Term Based; John Gustafson ; 4 cr.

2016 General Physics Lab II

(A-F or Audit; Prereq: Previous or concurrently enrollment in PHYS 2015 or 2018.)
 30487 001 LAB, 8:00- 9:50 T, M W Alworth Hall 241, In Person Term Based; 1 cr.
 30489 002 LAB, 10:00-11:50 T, M W Alworth Hall 241, In Person Term Based; 1 cr.
 30490 003 LAB, 12:00-13:50 T, M W Alworth Hall 241, In Person Term Based; 1 cr.
 30494 004 LAB, 16:00-17:50 T, M W Alworth Hall 241, In Person Term Based; 1 cr.
 30496 007 LAB, 14:00-15:50 W, M W Alworth Hall 241, In Person Term Based; 1 cr.
 30497 009 LAB, 8:00- 9:50 Th, M W Alworth Hall 241, In Person Term Based; 1 cr.
 30498 010 LAB, 10:00-11:50 Th, M W Alworth Hall 241, In Person Term Based; 1 cr.
 30499 011 LAB, 12:00-13:50 Th, M W Alworth Hall 241, In Person Term Based; 1 cr.
 30658 012 LAB, 16:00-17:50 Th, M W Alworth Hall 241, In Person Term Based; 1 cr.
 30723 014 LAB, 11:00-12:50 F, M W Alworth Hall 241, In Person Term Based; 1 cr.
 33159 005 LAB, 8:00- 9:50 W, M W Alworth Hall 241, In Person Term Based; 1 cr.

2017 Honors: General Physics I

(A-F or Audit; Prereq: Previous or concurrent registration in PHYS 2014. Previous or concurrent registration in Math 1290 or Math 1296 or 1596, or physics major or instructor permission. Credit will not be granted if already received for PHYS 1201 or PHYS 2011 or PHYS 2013.NAT SCI)
 30617 001 LEC, 10:00-10:50 MTWTh, M W Alworth Hall 397, In Person Term Based; Vitally Vanchurin ; 4 cr.

30623 002 DIS, 10:00-10:50 F, Cina Hall 214, In Person Term Based; Eric West ; 4 cr.

2022 Classical Physics

(A-F or Audit; Prereq: 2015 and 2016 as pre or co-req; credit will not be granted if already received for 1203 or 1205 or 2001)
 30665 001 LEC, 9:00- 9:50 MTWTF, M W Alworth Hall 397, In Person Term Based; John Hiller ; 4 cr.

2199 Physics Tutoring

(S-N or Audit; Prereq: 2012 or 2015 and 2016, department consent)
 29913 001 IND, 00:00-00:00 , , In Person Term Based; Jay Austin ; 1-2 cr.

3033 Analytical Methods in Physics

(A-F or Audit; Prereq: 2021, 2022, Math 3280 and 3298)
 30542 001 LEC, 11:00-11:50 MWF, M W Alworth Hall 397, In Person Term Based; Sergei Katsev ; 3 cr.

3061 Instrumentation

(A-F or Audit; Prereq: 2022 or 1203 or 1205, 1 sem programming)
 30772 001 LEC, 13:00-13:50 TTh, M W Alworth Hall 397, In Person Term Based; Jonathan Maps ; 3 cr.
 30773 002 LAB, 14:00-16:50 Th, M W Alworth Hall 395, In Person Term Based; Jonathan Maps ; 3 cr.

3091 Independent Study

(A-F or Audit; Prereq: department consent)
 29912 001 IND, In Person Term Based; 1-3 cr.

4001 Classical Mechanics

(A-F or Audit; Prereq: 2022 or 2001, Math 3280)
 30193 001 LEC, 14:00-14:50 MTWTF, M W Alworth Hall 397, In Person Term Based; Sophia Chabysheva ; 4 cr.
 37372 002 LEC, 17:00-18:40 F, M W Alworth Hall 175, 16:20-18:00 T, M W Alworth Hall 175, In Person Term Based; Sophia Chabysheva ; 4 cr.

4021 Quantum Physics II

(A-F or Audit; Prereq: 3033)
 30780 001 LEC, 12:00-12:50 MTWTF, M W Alworth Hall 397, In Person Term Based; Vitally Vanchurin ; 4 cr.

5052 Computational Methods in Physics

(A-F or Audit; Prereq: 2021, 1 sem programming, Math 3280)
 32941 002 LAB, 10:00-11:50 F, M W Alworth Hall 249, In Person Term Based; John Hiller ; 3 cr.
 32942 001 LEC, 10:00-10:50 MW, M W Alworth Hall 249, In Person Term Based; John Hiller ; 3 cr.

5501 Advanced Classical Mechanics

(A-F or Audit; Prereq: 4001)
 32943 001 LEC, 16:00-16:50 MWF, M W Alworth Hall 397, In Person Term Based; Eric West ; 3 cr.

5551 General Relativity

(A-F or Audit; Prereq: 4001)
 32945 001 LEC, 16:00-16:50 MWF, M W Alworth Hall 397, In Person Term Based; Audrey Todhunter ; 4 cr.

8333 FTE: Master's

(No Grade Associated; Prereq: Master's student, adviser and DGS consent)
 30841 001 IND, In Person Term Based; 1 cr.

8777 Thesis Credits: Master's

(No Grade Associated; Prereq: Max 18 cr per semester or summer; 10 cr total required (Plan A only))
 30104 001 IND, 00:00-00:00 , , In Person Term Based; Sam Kelly, , Marc Seigar, Eric West ; 1-18 cr.

Political Science (POL)

1011 American Government and Politics

(A-F or Audit; SOC SCI)
 29452 001 LEC, 13:00-14:15 TTh, M W Alworth Hall 195, In Person Term Based; Cynthia Rugeley ; 3 cr.
 29493 002 LEC, 13:00-13:50 MWF, Humanities Building 314, In Person Term Based; Geoff Sheagley ; 3 cr.

1050 International Relations

(A-F or Audit; GLOBAL PER)
 29517 002 LEC, 8:00- 9:15 TTh, Montague Hall 70, In Person Term Based; Paul Sharp ; 3 cr.

1500 Introduction to Comparative Politics

(A-F or Audit; GLOBAL PER)
 29453 001 LEC, 10:00-10:50 MWF, Humanities Building 314, In Person Term Based; Shannon Walsh ; 3 cr.

1610 Introduction to Political Theory

(A-F or Audit; HUMANITIES)
 29454 001 LEC, 12:00-12:50 MWF, Humanities Building 314, In Person Term Based; Joseph Staats ; 3 cr.

1800 Mock Trial

(A-F or Audit; Prereq: Students may take this course twice for a maximum of 6 credits. Political Science majors and minors may only apply one attempt towards the major or minor. Political Science majors and minors may only take the course once.)
 29666 001 LEC, 18:00-20:00 T, Cina Hall 224, In Person Term Based; Nathan LaCourse ; 3 cr.

2700 Methodology and Analysis

(A-F or Audit; LOGIC & QR)
 29614 001 LEC, 11:00-12:50 TTh, Cina Hall 224, In Person Term Based; Cynthia Rugeley ; 4 cr.

3040 Women and Politics

(A-F or Audit; Prereq: 45 cr or instructor consent)
 29804 001 LEC, 12:00-12:50 MWF, Cina Hall 106, In Person Term Based; Shannon Walsh ; 3 cr.

3097 Government Internship

(S-N or Audit; Prereq: 60 cr; 4 cr max from 3097, 3197, 3297 may be applied toward advanced political science major requirements; instructor consent)
 29506 002 FWK, 00:00-00:00 , , Independent/Directed Study; Joseph Staats ; 1-12 cr.
 29764 003 FWK, 00:00-00:00 , , Independent/Directed Study; Geoff Sheagley ; 1-12 cr.

3143 Political Psychology

(A-F or Audit; Prereq: minimum 45 credits)
 32956 001 LEC, 11:00-11:50 MWF, Cina Hall 106, In Person Term Based; Geoff Sheagley ; 3 cr.

3150 American Constitutional Law I

(A-F or Audit; Prereq: 1011, 45 cr or instructor consent)
 29683 001 LEC, 13:00-13:50 MWF, Cina Hall 106, In Person Term Based; Joseph Staats ; 3 cr.

3403 American Foreign Policy

(A-F only; Prereq: 1011 or 1050, min 45 cr)
 29536 001 LEC, 18:00-20:50 T, Cina Hall 102, In Person Term Based; Paul Sharp ; 3 cr.

3515 Theories of Comparative Politics

(A-F or Audit; Prereq: 1500, 45 cr including 8 cr social sciences or instructor consent)
 32957 001 LEC, 10:00-11:50 TTh, Humanities Building 403, In Person Term Based; Runa Das ; 4 cr.

3517 Western European Political Systems

(A-F or Audit; Prereq: 45 cr including 8 cr social sciences or instructor consent)
 32958 001 LEC, 13:00-14:50 TTh, A B Anderson Hall 245, In Person Term Based; Runa Das ; 4 cr.

4190 The Senior Seminar

(A-F or Audit; Prereq: 6 cr in relevant upper division political science courses, instructor consent)
 29535 001 LEC, 15:00-16:50 TTh, A B Anderson Hall 245, In Person Term Based; Joseph Staats ; 4 cr.

4191 Independent Study

(A-F or Audit; Prereq: 8 cr in political science, 6 cr in other social sciences, instructor consent)
 29509 003 IND, Independent/Directed Study; Joseph Staats ; 1-4 cr.
 32964 007 IND, Independent/Directed Study; Cynthia Rugeley ; 1-4 cr.

4195 Special Topics: (Various Titles to Be Assigned)

(A-F or Audit; Prereq: 45 credits or instructor consent)
 35766 001 LEC, 18:00-20:50 W, Cina Hall 106, In Person Term Based; Don Ness ; 3 cr.

4910 Teaching Assistantship in Political Science

(S-N or Audit; Prereq: 90 cr, political science major, instructor consent; 3 cr max may be applied to upper division political science major requirements and between Pol 3109 and 4910; no grad credit)
 29523 001 FWK, 00:00-00:00 , , Independent/Directed Study; Geoff Sheagley ; 1-2 cr.
 29524 002 FWK, 00:00-00:00 , , Independent/Directed Study; Joseph Staats ; 1-2 cr.
 29809 003 FWK, Independent/Directed Study; Cynthia Rugeley ; 1-2 cr.
 32959 004 FWK, Independent/Directed Study; Shannon Walsh ; 1-2 cr.

Psychology (PSY)**1003 General Psychology****(A-F or Audit; SOC SCI)**

28859 001 LEC, 14:00-14:50 MTWTh, Bohannon Hall 90, In Person Term Based; Kathryn Apostol ; 4 cr.
 28860 002 LEC, 15:00-15:50 MTWTh, Montague Hall 80, In Person Term Based; Kathryn Apostol ; 4 cr.
 28861 003 LEC, 10:00-10:50 MTWTh, Montague Hall 80, In Person Term Based; Christine Schilling ; 4 cr.
 29051 004 LEC, 16:15-17:05 MTWTh, Bohannon Hall 90, In Person Term Based; Christine Schilling ; 4 cr.

2003 Psychology: Discipline and Profession**(A-F only; Prereq: Pre-psychology or psychology major)**

29032 001 LEC, 15:00-15:50 W, Solon Campus Center 120, In Person Term Based; Scott Carlson ; 1 cr.
 29173 050 LEC, 00:00-00:00 , , Completely Online; Carol Kivi ; 1 cr.

2021 Developmental Psychology**(A-F or Audit; SOC SCI,CDIVERSITY)**

28855 001 LEC, 11:00-11:50 MTWTh, Life Sciences Bldg 185, In Person Term Based; Kathy Dowell ; 4 cr.
 29016 050 LEC, 00:00-00:00 , , Completely Online; Sandra Woolum ; 4 cr.
 29109 002 LEC, 10:00-10:50 MTWTh, M W Alworth Hall 195, In Person Term Based; Kathy Dowell ; 4 cr.

2023 Marriages and Families Worldwide**(A-F or Audit; GLOBAL PER)**

28856 050 LEC, 12:00-12:00 , , Completely Online; Katie Axford ; 4 cr.

2223 Gender in Society**(A-F or Audit; CDIVERSITY)**

29161 050 LEC, Completely Online; Karen Marsh ; 4 cr.

3010 Internship Preparation**(A-F only; Prereq: Psychology major or instructor consent)**

28920 001 LEC, 14:00-14:50 MW, Bohannon Hall 112, In Person Term Based; Katie Axford ; 2 cr.

3011 Internship in Psychology**(A-F only; Prereq: 3010 or instructor consent)**

29025 002 FWK, 15:00-15:50 M, Bohannon Hall 351, In Person Term Based; Lara LaCaille ; 3 cr.
 29059 001 FWK, 13:00-13:50 T, Bohannon Hall 351, In Person Term Based; Katie Axford ; 3 cr.

3020 Statistical Methods**(A-F or Audit; Prereq: Math ACT 21 or higher or MATH 1005)**

29072 002 LEC, 12:00-12:50 MTWTh, Bohannon Hall 112, In Person Term Based; Ryan Hjelle ; 4 cr.
 29068 001 LEC, 14:00-14:50 MTWTh, Cina Hall 102, In Person Term Based; Turkan Ocal ; 4 cr.
 29069 050 LEC, Completely Online; Randall Gordon ; 4 cr.
 29272 051 LEC, Completely Online; Turkan Ocal ; 4 cr.

3021 Experimental Design and Methodology**(A-F or Audit; Prereq: 2003, 3020, Psychology major prereq: 2003, 3020, Psychology major)**

28884 001 LEC, 14:00-14:50 MWF, Cina Hall 224, In Person Term Based; Keith Young ; 4 cr.
 28885 002 LAB, 14:00-14:50 T, Bohannon Hall 311, In Person Term Based; Keith Young ; 4 cr.
 28886 003 LAB, 9:00-9:50 W, Bohannon Hall 311, In Person Term Based; Keith Young ; 4 cr.
 28887 004 LEC, 12:00-12:50 MWF, Cina Hall 316, In Person Term Based; Mallory McCord ; 4 cr.
 28888 005 LAB, 10:00-10:50 T, Bohannon Hall 311, In Person Term Based; Mallory McCord ; 4 cr.
 28889 006 LAB, 15:00-15:50 T, Bohannon Hall 311, In Person Term Based; Mallory McCord ; 4 cr.
 28956 007 LEC, 15:00-15:50 MWF, Bohannon Hall 104, In Person Term Based; Ashley Thompson ; 4 cr.
 28957 008 LAB, 12:00-12:50 T, Bohannon Hall 311, In Person Term Based; 4 cr.
 28958 009 LAB, 13:00-13:50 T, Bohannon Hall 311, In Person Term Based; Ashley Thompson ; 4 cr.

3022 Applied Methods and Measurement**(A-F or Audit; Prereq: psychology major, PSY 3020, 3021 or instructor consent prereq: psychology major, PSY 3020, 3021 or instructor consent)**

28890 001 LEC, 10:00-10:50 MWF, Bohannon Hall 346, In Person Term Based; Turkan Ocal ; 4 cr.

28891 002 LAB, 12:00-12:50 Th, Bohannon Hall 311, In Person Term Based; Turkan Ocal ; 4 cr.
 28892 003 LAB, 10:00-10:50 Th, Bohannon Hall 311, In Person Term Based; Turkan Ocal ; 4 cr.
 28935 004 LEC, 11:00-11:50 MWF, Bohannon Hall 108, In Person Term Based; Keith Young ; 4 cr.
 28936 005 LAB, 11:00-11:50 T, Bohannon Hall 311, In Person Term Based; Keith Young ; 4 cr.
 28937 006 LAB, 13:00-13:50 W, Bohannon Hall 311, In Person Term Based; Keith Young ; 4 cr.
 29077 050 LAB, Completely Online; Ryan Hjelle ; 4 cr.
 29100 051 LEC, Completely Online; Ryan Hjelle ; 4 cr.

3061 Physiological Psychology**(A-F or Audit; Prereq: 1003 or instructor consent)**

29188 001 LEC, 14:00-14:50 MTWTh, Kirby Plaza 312, In Person Term Based; Rebecca Gilbertson ; 4 cr.
 33099 002 LEC, 12:00-12:50 MTWTh, Bohannon Hall 104, In Person Term Based; Robert Lloyd ; 4 cr.

3081 History and Systems of Psychology**(A-F or Audit; Prereq: 1003 or instructor consent)**

29015 001 LEC, 9:30-10:45 TTh, James I Swenson Sci Bldg 216, In Person Term Based; Uwe Stuecher ; 3 cr.
 29162 051 LEC, 00:00-00:00 , , ONLINE, Completely Online; Sandra Woolum ; 3 cr.
 29218 050 LEC, 00:00-00:00 , , Completely Online; Carol Kivi ; 3 cr.
 33100 052 LEC, Completely Online; Sandra Woolum ; 3 cr.

3111 Theories of Personality**(A-F or Audit; Prereq: 1003 or instructor consent)**

29073 001 LEC, 14:00-15:15 TTh, Ed Endazhigikino/amaading 36, In Person Term Based; Uwe Stuecher ; 3 cr.
 29219 050 LEC, 00:00-00:00 , , Completely Online; Carol Kivi ; 3 cr.
 33101 051 LEC, Completely Online; Bud McClure ; 3 cr.

3121 Abnormal Psychology**(A-F or Audit; Prereq: 1003 or instructor consent)**

28865 001 LEC, 14:00-14:50 MTWTh, Bohannon Hall 104, In Person Term Based; Karen Marsh ; 4 cr.
 29096 050 LEC, 00:00-00:00 , , Completely Online; Rick LaCaille ; 4 cr.
 29164 002 LEC, 15:00-15:50 MTWTh, Kirby Plaza 312, In Person Term Based; Karen Marsh ; 4 cr.
 35770 051 LEC, Completely Online; Christine Schilling ; 4 cr.

3201 Social Psychology**(A-F or Audit; Prereq: 1003 or instructor consent)**

29220 001 LEC, 15:30-16:45 TTh, Cina Hall 106, In Person Term Based; Ashley Thompson ; 3 cr.
 29273 050 LEC, Completely Online; Randall Gordon ; 3 cr.
 29274 051 LEC, Completely Online; Randall Gordon ; 3 cr.

3211 Group Dynamics**(A-F or Audit; Prereq: 1003 or instructor consent)**

29057 050 LEC, 00:00-00:00 , , ONLINE, Completely Online; Bud McClure ; 3 cr.
 33107 001 LEC, 14:00-15:15 TTh, Bohannon Hall 346, In Person Term Based; Christine Schilling ; 3 cr.

3215 Topics in Human Sexuality**(A-F or Audit; Prereq: 1003 or instructor consent)**

35775 051 LEC, Completely Online; Karen Marsh ; 3 cr.

3371 Child and Adolescent Psychology**(A-F or Audit; Prereq: PSY 1003 or instructor consent)**

29117 050 LEC, 00:00-00:00 , , ONLINE, Completely Online; Carol Kivi ; 3 cr.

3445 Transpersonal Psychology**(A-F or Audit; Prereq: 1003 or instructor consent)**

29174 050 DIS, 00:00-00:00 , , ONLINE, Completely Online; Bud McClure ; 3 cr.

3520 Introduction to Industrial/Organizational Psychology**(A-F or Audit; Prereq: 1003 or instructor consent)**

35777 050 LEC, Completely Online; Alexandra Luong ; 4 cr.

3524 Basic Helping Skills**(A-F or Audit;)**

29279 001 LEC, 15:00-15:50 MTWTh, Kirby Plaza 385, In Person Term Based; Catherine Reich ; 4 cr.
 29288 002 LEC, 13:00-13:50 MTWTh, Kirby Plaza 385, In Person Term Based; Catherine Reich ; 4 cr.

3601 Psychology of Personal Development**(A-F or Audit; Prereq: 1003 or instructor consent)**

29175 050 LEC, Completely Online; Bud McClure ; 3 cr.

3611 Learning and Behavior**(A-F or Audit; Prereq: 1003 or instructor consent)**

29090 050 LEC, Completely Online; Kathryn Apostol ; 4 cr.
 29305 001 LEC, 17:00-18:50 TTh, Cina Hall 316, In Person Term Based; Uwe Stuecher ; 4 cr.

3621 Cognition**(A-F or Audit; Prereq: 1003 or instructor consent)**

29092 050 LEC, 00:00-00:00 , , Completely Online; Ryan Hjelle ; 4 cr.
 35726 051 LEC, Completely Online; Ryan Hjelle ; 4 cr.

3697 Sensation and Perception**(A-F or Audit;)**

29306 001 LEC, 10:00-10:50 MTWTh, Kirby Plaza 385, In Person Term Based; Eric Hessler ; 4 cr.
 35727 051 LEC, Completely Online; Keith Young ; 4 cr.

3986 Honors Project**(A-F or Audit; Prereq: psychology major, 3.00 GPA overall; 3.25 GPA Psychology)**

29078 001 IND, In Person Term Based; Julie Slowiak ; 1-6 cr.
 36939 002 IND, In Person Term Based; Scott Carlson ; 1-6 cr.

3989 Directed Instruction**(Student Option; Prereq: instructor consent)**

29099 002 IND, 00:00-00:00 , , Independent/Directed Study; Randall Gordon ; 1-4 cr.
 29101 003 IND, 00:00-00:00 , , Independent/Directed Study; Christine Schilling ; 1-4 cr.
 29102 005 IND, 00:00-00:00 , , Independent/Directed Study; Catherine Reich ; 1-4 cr.
 29103 006 IND, 00:00-00:00 , , Independent/Directed Study; Carol Kivi ; 1-4 cr.
 29104 008 IND, 00:00-00:00 , , Independent/Directed Study; Scott Carlson ; 1-4 cr.
 29107 010 IND, 00:00-00:00 , , Independent/Directed Study; Turkan Ocal ; 1-4 cr.
 29112 015 IND, 00:00-00:00 , , Independent/Directed Study; Kathryn Apostol ; 1-4 cr.
 29197 016 IND, 00:00-00:00 , , Independent/Directed Study; Kathy Dowell ; 1-4 cr.
 29294 018 IND, Independent/Directed Study; Ryan Hjelle ; 1-4 cr.
 29301 019 IND, Independent/Directed Study; Robert Lloyd ; 1-4 cr.

3991 Projects in Psychology**(S-N or Audit; Prereq: psychology major or minor, instructor consent)**

29006 001 IND, 00:00-00:00 , , Independent/Directed Study; Carol Kivi ; 1-4 cr.
 29310 004 IND, Independent/Directed Study; Julie Slowiak ; 1-4 cr.
 37399 003 IND, Independent/Directed Study; Uwe Stuecher ; 1-4 cr.
 37481 005 IND, In Person Term Based; Ashley Thompson ; 1-4 cr.

3994 Directed Research in Psychology**(A-F or Audit; Prereq: psychology major or minor, instructor consent)**

29007 001 IND, 00:00-00:00 , , Independent/Directed Study; Scott Carlson ; 1-8 cr.
 29106 002 IND, 00:00-00:00 , , In Person Term Based; Julie Slowiak ; 1-8 cr.
 29110 003 IND, 00:00-00:00 , , In Person Term Based; Catherine Reich ; 1-8 cr.
 29128 005 IND, 00:00-00:00 , , In Person Term Based; Lara LaCaille ; 1-8 cr.
 29168 006 IND, 00:00-00:00 , , Independent/Directed Study; Eric Hessler ; 1-8 cr.
 29170 007 IND, 00:00-00:00 , , Independent/Directed Study; Randall Gordon ; 1-8 cr.
 37482 008 IND, In Person Term Based; Rebecca Gilbertson ; 1-8 cr.

3996 Pre-Professional Field Placement**(S-N only; Prereq: 3010, 3011, instructor consent)**

29091 001 FWK, 00:00-00:00 , , In Person Term Based; Lara LaCaille ; 1-4 cr.
 33121 002 FWK, In Person Term Based; Katie Axford ; 1-4 cr.

5052 Advanced Statistics I**(A-F or Audit; Prereq: Math placement level 4 or MACT 23 or higher or graduate student in psychology or instructor consent required.)**

29177 003 LEC, 14:00-14:50 MWF, Bohannon Hall 108, In Person Term Based; Eric Hessler ; 3 cr.

5121 Psychopathology Over the Lifespan**(A-F or Audit; Prereq: psychology graduate student or instructor consent)**

29178 001 LEC, 15:30-16:45 TTh, Cina Hall 316, In Person Term Based; Rick LaCaille ; 3 cr.

5130 Evolutionary Psychology

(A-F or Audit; Prereq: psychology graduate student or instructor consent)
33153 001 LEC, 14:00-15:15 TTh, Cina Hall 106, In Person Term Based; Robert Lloyd ; 3 cr.

5631 Biological Bases of Behavior

(A-F or Audit; Prereq: psychology grad student or instructor consent)
29221 001 LEC, 12:00-12:50 MWF, Bohannon Hall 351, In Person Term Based; Rebecca Gilbertson ; 3 cr.

5701 Advanced Personnel Psychology

(A-F or Audit; Prereq: psychology graduate student or instructor consent; credit will not be granted if already received for 3701)
33154 001 LEC, 9:30-10:45 TTh, Montague Hall 206, In Person Term Based; Alexandra Luong ; 3 cr.

5702 Advanced Organizational Psychology

(A-F or Audit; Prereq: psychology graduate student or instructor consent; credit will not be granted if already received for 3707)
29277 001 LEC, 12:00-13:15 TTh, Kirby Plaza 399, In Person Term Based; Malory McCord ; 3 cr.

8099 Research Project in Psychology

(S-N or Audit; Prereq: psychology grad student)
29238 002 IND, 00:00-00:00 , , Independent/Directed Study; Scott Carlson ; 3 cr.
29239 004 IND, 00:00-00:00 , , Independent/Directed Study; Julie Slowiak ; 3 cr.
29240 003 IND, 00:00-00:00 , , Independent/Directed Study; Robert Lloyd ; 3 cr.
29241 005 IND, 00:00-00:00 , , Independent/Directed Study; Eric Hessler ; 3 cr.
29296 007 IND, Independent/Directed Study; Rebecca Gilbertson ; 3 cr.
33126 080 IND, In Person Term Based; Rick LaCaille ; 3 cr.
33127 090 IND, In Person Term Based; Catherine Reich ; 3 cr.
33155 009 IND, In Person Term Based; Alexandra Luong ; 3 cr.
37186 010 IND, Independent/Directed Study; Aydin Durgunoglu ; 3 cr.
37245 006 IND, Independent/Directed Study; Ashley Thompson ; 3 cr.

8103 Introduction to Graduate Studies

(S-N or Audit; Prereq: graduate psychology student)
29179 001 LEC, 11:00-11:50 M, Bohannon Hall 351, In Person Term Based; Lara LaCaille ; 0 cr.

8197 Clinical Counseling Internship

(S-N or Audit; Prereq: 8097 and instructor consent)
29222 001 FWK, 13:00-15:00 M, Kirby Plaza 399, In Person Term Based; Rick LaCaille ; 3 cr.

8223 Child, Adolescent, and Family Therapy

(A-F or Audit; Prereq: Clinical counseling track psychology graduate student)
29223 001 LEC, 14:00-15:15 TTh, Kirby Plaza 399, In Person Term Based; Jessica Schilling ; 3 cr.

8231 Assessment I: Foundations and Cognitive Assessment

(A-F or Audit; Prereq: Clinical counseling track psychology grad student or instructor consent)
29180 001 LEC, 9:30-10:45 MW, Kirby Plaza 399, In Person Term Based; Lara LaCaille ; 3 cr.

8301 Multicultural Foundations in Clinical/Counseling Psychology

(A-F or Audit; Prereq: Clinical counseling track psychology graduate student or instructor consent)
33361 001 LEC, 9:30-10:45 TTh, Bohannon Hall 351, In Person Term Based; Paula Pedersen ; 3 cr.

8991 Graduate Applied Projects in Psychology

(Student Option; Prereq: Psychology graduate student, instructor consent)
37383 001 IND, In Person Term Based; Alexandra Luong ; 1-2 cr.

Russian (RUSS)**Safety (SAFE)****6002 Regulatory Standards and Hazard Control**

(A-F or Audit; Prereq: MEHS student or department approval and instructor consent)
30212 001 LEC, 13:00-14:50 TW, Voss-Kovach Hall 201, In Person Term Based; Katherine Schofield ; 4 cr.

6011 System Safety and Loss Control Techniques

(A-F or Audit; Prereq: MEHS student or department approval and instructor consent)
30069 001 LEC, 9:00-10:50 MW, Voss-Kovach Hall 201, In Person Term Based; Robert Feyen ; 4 cr.

6101 Principles of Industrial Hygiene

(A-F or Audit; Prereq: MEHS student or department approval and instructor consent)
30454 001 LAB, 17:00-19:40 W, Voss-Kovach Hall 201, In Person Term Based; Wade Roseth ; 3 cr.

6401 Environmental Safety and Legal Implications

(A-F or Audit; Prereq: MEHS student or department approval and instructor consent)
33436 001 LEC, 18:00-20:40 W, Voss-Kovach Hall 201, In Person Term Based; Brett Ballavance ; 3 cr.

6821 Organization and Administration of Safety Programs

(A-F or Audit; Prereq: 6012 or department approval and instructor consent)
30589 001 LEC, 15:30-18:10 T, Voss-Kovach Hall 201, In Person Term Based; Katherine Schofield ; 3 cr.

Social Work (SW)**1000 Introduction to Social Welfare**

(A-F or Audit; SOC SCI)
29116 001 LEC, 9:30-10:45 TTh, Montague Hall 203, In Person Term Based; Leah Cleland ; 3 cr.

1210 Global Issues

(A-F or Audit; SOC SCI, GLOBAL PER)
29083 001 LEC, 8:00- 9:15 TTh, Life Sciences Bldg 185, Partially Online; Erin Wojciechowski ; 3 cr.

1212 Honors Seminar: Global Issues

(A-F or Audit; Prereq: Honors student/SOC SCI, GLOBAL PER)
29181 550 LEC, 14:00-15:15 TTh, Bohannon Hall 343, In Person Term Based; Dennis Falk ; 3 cr.

1619 Race, Class, and Gender in the United States

(A-F or Audit; SOC SCI, DIVERSITY)
29076 001 LEC, 17:00-18:50 T, Bohannon Hall 112, 17:00-18:50 T, Bohannon Hall 112, 17:00-18:50 T, Bohannon Hall 112, 17:00-18:50 T, Bohannon Hall 112, 17:00-18:50 T, Bohannon Hall 112, 17:00-18:50 T, Bohannon Hall 112, 17:00-18:50 T, Bohannon Hall 112, Partially Online; Sandra van den Bosse ; 3 cr.

4100 Anti-Oppressive Social Work Practice

(A-F only; Prereq: admission to social work program, 4111 or instructor consent; no grad credit)
29226 001 LEC, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, Partially Online; Shawyn Lee ; 3 cr.

4101 Human Behavior in Social Environment

(A-F only; Prereq: 1000 (concurrent registration is allow); admissions to Social Work major or instructor consent; no grad credit)
29182 001 LEC, 13:00-14:50 T, Room TBA, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, 13:00-14:50 T, Bohannon Hall 112, Partially Online; Jennifer McCleary ; 3 cr.

4112 Organization and Community Practice

(A-F only; Prereq: Admission to social work program, 4111 or instructor consent; no grad credit)
33147 001 LEC, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T,

Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, Partially Online; Idalene Watson-Souther ; 3 cr.

4121 Senior Field Placement

(S-N only; Prereq: Admission to social work program; C= or better in SW 1619, SW 4101, SW 4201, SW 4102, SW 4111 and 'S' in SW 4120, instructor consent; no grad credit)
29224 001 FWK, 9:30-10:45 T, Bohannon Hall 112, 9:30-10:45 T, Bohannon Hall 112, 9:30-10:45 T, Bohannon Hall 112, 9:30-10:45 T, Bohannon Hall 112, 9:30-10:45 T, Bohannon Hall 112, 9:30-10:45 T, Bohannon Hall 112, 9:30-10:45 T, Bohannon Hall 112, In Person Term Based; Wendy Anderson ; 3-6 cr.
29225 003 FWK, 17:00-18:15 T, Room TBA, 17:00-18:15 T, Bohannon Hall 112, 17:00-18:15 T, Bohannon Hall 112, 17:00-18:15 T, Bohannon Hall 112, 17:00-18:15 T, Bohannon Hall 112, 17:00-18:15 T, Bohannon Hall 112, 17:00-18:15 T, Bohannon Hall 112, 17:00-18:15 T, Bohannon Hall 112, In Person Term Based; Abel Knochel ; 3-6 cr.
29244 002 FWK, 9:30-10:45 T, Bohannon Hall 343, 9:30-10:45 T, Bohannon Hall 343, 9:30-10:45 T, Bohannon Hall 343, 9:30-10:45 T, Bohannon Hall 343, 9:30-10:45 T, Bohannon Hall 343, 9:30-10:45 T, Bohannon Hall 343, In Person Term Based; Sandra van den Bosse ; 3-6 cr.

4122 Cross-Cultural Exploration Through Learning Circles

(S-N or Audit;)
29291 001 DIS, In Person Term Based; Meets With: 001 SW 5120; Jim Amell, Brenda Bussey ; 1 cr.

4201 Social Welfare Policy

(A-F only; Prereq: 1000 (concurrent registration is allowed); admission to Social Work major; or instructor consent; no grad credit)
29183 001 LEC, 15:00-16:50 T, Room TBA, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, 15:00-16:50 T, Bohannon Hall 112, Partially Online; Wendy Anderson ; 3 cr.

4215 Trauma Informed Practice with Children and Adolescents

(A-F or Audit;)
29290 001 DIS, Completely Online; Meets With: 001 SW 5215; Carina Barker ; 2 cr.

4280 Substance Use trends and Interventions in Social Work

(Student Option; SOC SCI)
33157 001 LEC, Completely Online; Meets With: 001 SW 5280; Sandra van den Bosse ; 3 cr.

5032 Child Welfare and the Law

(A-F only; Prereq: master of social work student or instructor consent)
28991 001 LEC, 8:30-18:00 Sa, Bohannon Hall 112, 8:30-18:00 Sa, Bohannon Hall 112, 8:30-18:00 Sa, Bohannon Hall 112, In Person Term Based; Mark Snyder ; 2 cr.

5091 Independent Study

(Student Option; Prereq: instructor consent)
29063 001 IND, In Person Term Based; Wendy Anderson ; 1-4 cr.
29245 002 IND, In Person Term Based; Priscilla Day ; 1-4 cr.
29246 004 IND, In Person Term Based; Lake Dziengel ; 1-4 cr.
37036 005 IND, In Person Term Based; Sandra van den Bosse ; 1-4 cr.

5101 Human Behavior in the Social Environment

(A-F only; Prereq: MSW student or instructor consent)
28847 001 DIS, 15:00-16:50 F, Bohannon Hall 343, Partially Online; Jennifer McCleary ; 3 cr.

5120 Cross-Cultural Exploration Through Learning Circles

(S-N only; Prereq: Admission into MSW, 8100 or instructor consent)
29039 001 DIS, In Person Term Based; Meets With: 001 SW 4122; Jim Amell, Brenda Bussey ; 1 cr.

5201 Social Welfare Policy

(A-F only; Prereq: MSW student or instructor consent)
28852 001 LEC, 13:00-14:50 F, Bohannon Hall 343, Partially Online; Abel Knochel ; 3 cr.

5215 Trauma Informed Social Work Practice with Children and Adolescents

(A-F or Audit; Prereq: Social Work graduate student)
33152 001 DIS, Completely Online; Meets With: 001 SW 4215; Carina Barker ; 2 cr.

5280 Substance Use Trends and Interventions in Social Work

(Student Option;)
(No Grade Associated;)
33158 001 LEC, Completely Online; Meets With: 001 SW 4280; Sandra van den Bosse ; 2 cr.

5990 Pre-Field Work

(No Grade Associated;)
29062 001 FWK, Independent/Directed Study; 0 cr.

8100 Social Work with Diverse Populations

(A-F only; Prereq: MSW students or instructor consent)
29115 001 LEC, 17:00-19:50 Th, Bohannon Hall 112, Partially Online; Abel Knochel ; 3 cr.

8111 Individual, Family and Group Practice I

(A-F only; Prereq: SW grad student or instructor consent)
28853 001 LEC, 10:00-11:50 F, Bohannon Hall 343, Partially Online; Sandra van den Bosse ; 3 cr.

8331 Organization and Community Practice II

(A-F only; Prereq: 5101, 8112 or Advanced Standing in MSW program)
29003 001 LEC, 13:00-14:50 Th, Bohannon Hall 112, Partially Online; Jennifer McCleary ; 3 cr.
29004 002 LEC, 13:00-14:50 F, Bohannon Hall 112, Partially Online; Shawyn Lee ; 3 cr.

8441 Individual, Family and Group Practice II

(A-F only; Prereq: 5101, 8112 or advanced standing MSW student)
28851 001 LEC, 15:00-16:50 Th, Bohannon Hall 112, Partially Online; Lake Dziengel ; 3 cr.
29017 002 LEC, 15:00-16:50 F, Bohannon Hall 112, Partially Online; Leah Cleeland ; 3 cr.

8443 Advanced Practice in Mental Health

(A-F only; Prereq: 8441 concurrent registration is required)
29086 001 LEC, 10:00-11:50 F, Bohannon Hall 112, Partially Online; Lake Dziengel ; 3 cr.

8801 Field Placement I

(S-N only; Prereq: 8111, 8112; SW Grad student, instructor consent)
28912 001 FWK, 8:30- 9:45 F, Bohannon Hall 343, In Person Term Based; Jim Amell ; 3-6 cr.

8802 Field Placement II

(S-N only; Prereq: concurrent registration in 8031 or 8332 or 8443 or 8544, SW Grad Student and instructor consent)
28914 001 FWK, 8:30- 9:45 F, Bohannon Hall 222, In Person Term Based; Kathy Heltzer ; 3-8 cr.
28915 002 FWK, 8:30- 9:45 F, Montague Hall 206, In Person Term Based; Leah Cleeland ; 3-8 cr.

Sociology (SOC)**1080 Development of Social Selves**

(A-F or Audit; SOC SCI)
29791 001 LEC, 10:00-10:50 MWF, Heller Hall 306, In Person Term Based; Janelle Wilson ; 3 cr.

1101 Introduction to Sociology

(A-F or Audit; SOC SCI, DIVERSITY)
29431 001 LEC, 11:00-11:50 MTWTh, Montague Hall 80, In Person Term Based; Daniel Martin ; 4 cr.

2155 Introduction to Research Methods and Analysis

(A-F or Audit;)
29515 001 LEC, 8:00- 8:50 MTWTh, Cina Hall 102, In Person Term Based; Susan Janssen ; 4 cr.
33130 004 LEC, 11:00-11:50 MTWTh, Cina Hall 102, In Person Term Based; Susan Janssen ; 4 cr.

3155 Quantitative Research Methods and Analysis

(A-F or Audit; Prereq: 2155, crim major or soc major or URS major, min 30 cr)
29522 001 LEC, 10:00-10:50 MTWTh, Cina Hall 102, In Person Term Based; Susan Janssen ; 4 cr.
29689 002 LEC, 17:30-21:20 M, Cina Hall 308, In Person Term Based; Robert Weidner ; 4 cr.

3306 Deviance

(A-F or Audit; Prereq: 1101 or CRIM 1301, min 15 cr)
29539 001 LEC, 12:00-12:50 MWF, Cina Hall 102, In Person Term Based; Janelle Wilson ; 3 cr.

3330 The American Civil Rights Movement

(A-F or Audit; SOC SCI, DIVERSITY)
29630 001 LEC, 8:00- 9:15 TTh, Cina Hall 316, In Person Term Based; Sheryl Grana ; 3 cr.

3821 Sociology of Community

(A-F or Audit; Prereq: 1101, 30 cr)
29793 001 LEC, 14:00-14:50 MWF, Cina Hall 106, In Person Term Based; Janelle Wilson ; 3 cr.

3831 Organizations and Society

(A-F or Audit; Prereq: 60 cr or instructor consent)
29722 001 LEC, 13:00-14:50 MW, Cina Hall 308, In Person Term Based; Daniel Martin ; 4 cr.

3945 Social Stratification

(A-F or Audit; Prereq: 1101 or CRIM 1301 or Cst 1101 or Anth 1604, min 30 cr or instructor consent)
29503 001 LEC, 9:30-10:45 TTh, Cina Hall 106, In Person Term Based; Sheryl Grana ; 3 cr.

4111 Sociological Theory

(A-F or Audit; Prereq: 1101, 30 cr, no grad credit; credit will not be granted if already received for SOC 2111.)
29443 001 LEC, 10:00-11:50 MW, Humanities Building 403, In Person Term Based; John Hamlin ; 4 cr.

4587 Internship Preparation

(A-F only; Prereq: CRIM majors - CRIM 1301, 2311, SOC 2155; SOC majors - SOC 1101, 2155; min 60 cr, no grad credit)
29631 001 LEC, 10:00-10:50 T, A B Anderson Hall 245, In Person Term Based; Robert Weidner ; 1 cr.

4597 Internship

(S-N only; Prereq: Internship coordinator consent, sociology or criminology major, 4587, WRIT 31xx; no grad credit)
29444 001 FWK, 13:00-13:50 T, Cina Hall 308, In Person Term Based; Robert Weidner ; 6-8 cr.

4910 Teaching Assistantship in Sociology

(A-F only; Prereq: 60 cr, instructor consent; no grad credit; maximum 3 credits allowed between SOC 4910, 4997 and CRIM 4397, 4910)
29718 002 FWK, Independent/Directed Study; Sheryl Grana ; 1-3 cr.
29877 001 FWK, Independent/Directed Study; Daniel Martin ; 1-3 cr.

4925 Sociology of Rape

(A-F or Audit; Prereq: 1101 or CRIM 1301 or Cst 1101 or Anth 1604 or WS 1000, 60 cr, or instructor consent)
29794 001 LEC, 14:00-15:15 MW, Humanities Building 480, In Person Term Based; John Hamlin ; 3 cr.

4982 Political Sociology and the Global Economy

(A-F or Audit; Prereq: 60 credits or instructor consent or grad student)
33172 001 LEC, 8:00- 9:50 MW, Bohannon Hall 112, In Person Term Based; John Hamlin ; 4 cr.

4991 Independent Study in Sociology

(A-F or Audit; Prereq: instructor consent; maximum 6 credits allowed between SOC 4991 and CRIM 4391)
29768 001 IND, Independent/Directed Study; Emily Gaarder ; 1-6 cr.

Spanish (SPAN)**1101 Beginning Spanish I**

(A-F or Audit; Prereq: Little or no prior formal study of this language, or instructor consent COMM & LAN)
29420 001 LEC, 8:00- 8:50 MTThF, Humanities Building 490, In Person Term Based; Carol Wallace ; 4 cr.
29613 002 LEC, 9:00- 9:50 MTThF, Humanities Building 464, In Person Term Based; Carol Wallace ; 4 cr.

29685 003 LEC, 14:00-14:50 MTWTh, Ed Endazhigikino'amaading 20, In Person Term Based; Jennifer Brady ; 4 cr.

1102 Beginning Spanish II

(A-F or Audit; Prereq: 1-2 yrs high school Span or 1101 or instructor consent COMM & LAN)
29701 001 LEC, 14:00-14:50 MTThF, Humanities Building 490, In Person Term Based; Miliagros Gomez ; 4 cr.

1201 Intermediate Spanish I

(A-F or Audit; Prereq: 3-4 yrs high school Span or 1102 or instructor consent COMM & LAN)
29421 001 LEC, 9:00- 9:50 MTThF, Bohannon Hall 108, In Person Term Based; Andrew Snustad ; 4 cr.
29422 002 LEC, 10:00-10:50 MTThF, Ed Endazhigikino'amaading 32, In Person Term Based; Andrew Snustad ; 4 cr.

1202 Intermediate Spanish II

(A-F or Audit; Prereq: 4 yrs high school Span or 1201 or instructor consent COMM & LAN)
29763 001 LEC, 11:00-11:50 MTThF, Ed Endazhigikino'amaading 20, In Person Term Based; Carol Wallace ; 4 cr.

2301 Advanced Spanish

(A-F or Audit; Prereq: 5 yrs high school Span or 1202 or instructor consent COMM & LAN)
29424 001 LEC, 9:00-10:50 MW, Humanities Building 490, In Person Term Based; Jennifer Gomez Menjivar ; 4 cr.
29425 002 LEC, 11:00-11:50 MTThF, Humanities Building 490, In Person Term Based; Miliagros Gomez ; 4 cr.
29487 003 LEC, 12:00-12:50 MTThF, Ed Endazhigikino'amaading 40, In Person Term Based; Miliagros Gomez ; 4 cr.

3044 Civilization, Cultures and Communities of Spain

(A-F or Audit; Prereq: 2301 with C or better or instructor consent GLOBAL PER, HUMANITIES)
33265 001 LEC, 15:00-16:50 MW, Humanities Building 490, In Person Term Based; Jennifer Brady ; 4 cr.

4013 Hispanic American Poetry and Drama

(A-F or Audit; Prereq: 2301 with C or better or instructor consent; no grad credit; offered every third yr HUMANITIES)
35705 001 LEC, 9:00-10:50 TTh, Humanities Building 490, In Person Term Based; Jennifer Gomez Menjivar ; 4 cr.
36350 002 LEC, 11:00-12:50 TTh, Kirby Plaza 385, In Person Term Based; Jennifer Gomez Menjivar ; 4 cr.

4017 Hispanic American Cinema and Culture

(A-F or Audit; Prereq: 2301 with C or better or instructor consent, no grad credit FINE ARTS)
33266 001 LEC, 12:00-12:50 MTThF, A B Anderson Hall 225, In Person Term Based; Andrew Snustad ; 4 cr.

4022 Medieval and Golden Age Literature and Culture of Spain

(A-F or Audit; Prereq: 2301 with C or better or instructor consent, no grad credit HUMANITIES)
33267 001 LEC, 15:00-16:50 TTh, Humanities Building 490, In Person Term Based; Maureen Tobin Stanley ; 4 cr.

Special Education (SPED)**3105 Young Children with Special Needs: Ages Three-Eight**

(A-F or Audit; Prereq: instructor consent)
28934 001 LEC, Completely Online; Jennifer Bouchie ; 4 cr.

3106 Working with Young Children with Low Incidence Disabilities

(A-F or Audit; Prereq: Admitted to UECH program)
29011 001 LEC, 11:00-11:50 TTh, Montague Hall 151, Partially Online; Jennifer Bouchie ; 4 cr.

3109 Supporting Social/Emotional Development Birth-8

(A-F or Audit; Prereq: Minimum 30 credits)
29012 001 LEC, 00:00-00:00 , ONLINE, Completely Online; Jennifer Bouchie ; 3 cr.
36433 002 LEC, Completely Online; Molly Harney ; 3 cr.

3205 Foundations in Early Childhood Assessment

(A-F or Audit; Prerequisite to SPED 3206 Methods in Early Childhood Special Education Assessment. prereq: Admitted to UECH program)

29120001 LEC, 13:00-13:50 TTh, Montague Hall 151, In Person Term Based; Jennifer Bouchie ; 2 cr.

3206 Methods of Assessment in Early Childhood Special Education

(A-F or Audit; Prereq: admitted to UECH program)
29232001 LEC, 13:00-17:00 Sa, Montague Hall 151, 13:00-17:00 Sa, Montague Hall 151, 13:00-17:00 Sa, Montague Hall 151, 13:00-17:00 Sa, Montague Hall 151, Partially Online; Jennifer Bouchie ; 2 cr.

3415 Special Education in the Secondary School

(A-F only;)
29054001 LEC, Completely Online; Joyce Strand ; 3 cr.

4204 Assessment in the General and Special Education Classroom

(A-F or Audit; Prereq: SPED 4433, admission to IESE program and successful completion of Block One courses and associated field experience or SPED post bac, no grad credit)
29121001 LEC, 9:30-20:00 M, Montague Hall 151, In Person Term Based; Joan Kwako, Adrea Grocke ; 4 cr.

4250 Foundations of Autism Spectrum Disorders

(A-F or Audit; Prereq: No Grad cr)
36860001 LEC, Completely Online; Jill Pring ; 3 cr.

4310 Response to Intervention in the General Education Classroom

(A-F or Audit; Prereq: Admission to IESE program or post bac special education; credit will not be granted if already received for 5310)
28960001 LEC, 9:30-10:45 TTh, Cina Hall 308, Partially Online; Adrea Grocke ; 4 cr.

4381 Classroom and Behavior Management

(A-F or Audit; Prereq: 4433, Admission to IESE program or postbac sped; no grad credit)
28972001 LEC, 17:15-20:15 Th, Montague Hall 151, In Person Term Based; Joyce Strand, Jane Ellen Dietrich ; 4 cr.

4433 Foundations in Special Education

(A-F or Audit; Prereq: Min 45 cr, postbac grad or sped minor, no grad credit)
28973001 LEC, Completely Online; Gerry Nierengarten ; 4 cr.

4435 Parent and Professional Communication and Collaboration

(A-F or Audit; Prereq: 4433, 45 cr, postbac or sped minor or instructor consent, no grad credit)
28974001 LEC, 8:00-12:00 Sa, Ed Endazhi-gikino'amaading 17, 8:00-12:00 Sa, Ed Endazhi-gikino'amaading 17, 8:00-12:00 Sa, Ed Endazhi-gikino'amaading 17, 8:00-12:00 Sa, Ed Endazhi-gikino'amaading 17, Partially Online; Adrea Grocke ; 4 cr.

4452 Academic Interventions for Students with Disabilities

(A-F or Audit; Prereq: SPED 4433, admission to IESE program and successful completion of Block One courses and associated field experience or SPED postbac or instructor consent)
29122001 LEC, 17:15-20:15 T, Montague Hall 151, In Person Term Based; Gerry Nierengarten ; 4 cr.

4455 Transitional Planning for Adolescents with Disabilities

(A-F or Audit; Prereq: Successful completion of Block Four, which is Student Teaching in a general education setting or postbac or instructor consent, no grad credit)
29158001 LEC, Completely Online; Joyce Strand ; 4 cr.

4585 Individual Education Plans: Development and Implementation

(A-F or Audit; Prereq: Admission to IESE program and successful completion of Blocks One and Two courses and associated field experiences, no grad credit)
29159001 LEC, 17:00-19:30 M, Ed Endazhi-gikino'amaading 16, In Person Term Based; Kevin Preckel ; 3 cr.

4600 Student Teaching

(S-N or Audit; Prereq: Successful completion of Block Four, which is Student teaching in a general education setting or postbac or instructor consent; no grad credit)

28994003 FWK, 14:30-15:30 F, Room TBA, Independent/Directed Study; Gerry Nierengarten ; 1-12 cr.

29028004 FWK, 14:30-15:30 F, Room TBA, Independent/Directed Study; Jo Ann Luhtala ; 1-12 cr.

29029005 FWK, 14:30-15:30 F, Room TBA, Independent/Directed Study; Kathryn Levine, Charles Rick ; 1-12 cr.

29030006 FWK, 14:30-15:30 F, Room TBA, Independent/Directed Study; Maureen Olek ; 1-12 cr.

29253001 FWK, 14:30-15:30 F, Room TBA, Independent/Directed Study; Adrea Grocke ; 1-12 cr.

29254002 FWK, 14:30-15:30 F, Room TBA, Independent/Directed Study; Carol Kubiski ; 1-12 cr.

Statistics (STAT)

1411 Introduction to Statistics

(A-F or Audit; Prereq: Math ACT 21 or higher or a grade of at least C- in SSP 0103 or department approval LOGIC & QR)

30185001 LEC, 15:00-15:50 MWF, Ed Endazhi-gikino'amaading 32, In Person Term Based; Richard Green ; 3 cr.

2411 Statistical Methods

(A-F or Audit; Prereq: Math ACT 24 or higher or a grade of at least C- in Math 1005 or higher or department approval LOGIC & QR)

30052001 LEC, 10:00-10:50 MWF, A B Anderson Hall 235, In Person Term Based; Jennifer Kohn ; 3 cr.
30370002 LEC, 13:00-13:50 MWF, Ed Endazhi-gikino'amaading 16, In Person Term Based; Mingqian Duan ; 3 cr.

3411 Engineering Statistics

(A-F or Audit; Prereq: MATH 1297 with a grade of C- or better, cannot be applied to a math or statistics major)

30213001 LEC, 9:00-9:50 MWF, Ed Endazhi-gikino'amaading 36, In Person Term Based; Jennifer Kohn ; 3 cr.

30301002 LEC, 10:00-10:50 MWF, Engineering Building 280, In Person Term Based; Mingqian Duan ; 3 cr.

30606003 LEC, 12:00-12:50 MWF, Ed Endazhi-gikino'amaading 32, In Person Term Based; Jennifer Kohn ; 3 cr.

30757004 LEC, 14:00-14:50 MWF, Ed Endazhi-gikino'amaading 36, In Person Term Based; Mingqian Duan ; 3 cr.

3611 Introduction to Probability and Statistics

(A-F or Audit; Prereq: A grade of at least C- in Math 1290 or Math 1296)

30053001 LEC, 11:00-11:50 ThF, Engineering Building 290, 11:00-11:50 MW, Ed Endazhi-gikino'amaading 36, In Person Term Based; Juming Pan ; 4 cr.

30054002 LEC, 12:00-12:50 Th, Solon Campus Center 21, 12:00-12:50 MWF, Ed Endazhi-gikino'amaading 36, In Person Term Based; Yongcheng Qi ; 4 cr.

30378003 LEC, 13:00-13:50 MWThF, Ed Endazhi-gikino'amaading 36, In Person Term Based; Thierry Chekouo Tekougang ; 4 cr.

3612 Introduction to Probability and Statistics II

(A-F or Audit; Prereq: 3611 and Math 1297 or equivalent or instructor consent)

30620001 LEC, 11:00-11:50 MWF, Engineering Building 118, In Person Term Based; Xuan Li ; 3 cr.

4040 Introduction to Survey Sampling

(A-F or Audit; Prereq: A grade of at least C- in MATH 1290 or 1296 or 1596 and STAT 2411 or 3411 or 3611 or instructor consent)

33446001 LEC, 14:00-14:50 MWF, Sports and Health Center 208, In Person Term Based; Yang Li ; 3 cr.

5411 Analysis of Variance

(Student Option; Prereq: 3411 or 3611; a grade of C- or better is required in all prerequisite courses)

30055001 LEC, 11:00-11:50 MWF, Humanities Building 480, In Person Term Based; Yang Li ; 3 cr.

5511 Regression Analysis

(A-F or Audit; Prereq: 3611, Math 3280 or Math 4326, a grade of C- or better in is required in all prerequisite courses)

30351001 LEC, 12:00-12:50 MWF, Cina Hall 308, In Person Term Based; Xuan Li ; 3 cr.

5515 Multivariate Statistics

(Student Option; Prereq: 5411 or 5511, Math 3280 or Math 4326, a grade of C- or better in is required in all prerequisite courses)

31972001 LEC, 10:00-10:50 MWF, Labovitz Schl Bus & Econ 265, In Person Term Based; Yongcheng Qi ; 3 cr.

5531 Probability Models

(A-F or Audit; Prereq: 3611, Math 1297 or Math 1597, a grade of C- or better in is required in all prerequisite courses)

30505001 LEC, 15:00-16:05 MWF, Chemistry Building 251, In Person Term Based; Thierry Chekouo Tekougang ; 4 cr.

5571 Probability

(A-F or Audit; Prereq: 3611, Math 3298, a grade of C- or better in is required in all prerequisite courses)

30056001 LEC, 13:00-13:50 MWThF, Ed Endazhi-gikino'amaading 20, In Person Term Based; Juming Pan ; 4 cr.

Supportive Services Program (SSP)

1050 Independent Study in Individualized Approaches to Learning

(Student Option;)
31987001 IND, In Person Term Based; Jill Strand, Patrick Eidsmo ; 1 cr.

1052 College Writing Strategies

(A-F only; Prereq: credit will not be granted if already received for WRIT 1120)

28677003 LEC, 14:00-14:50 TTh, Sports and Health Center 207, In Person Term Based; Patrick Eidsmo ; 2 cr.

28743001 LEC, 13:00-13:50 MW, Bohannon Hall 108, In Person Term Based; Patrick Eidsmo ; 2 cr.

28745002 LEC, 11:00-11:50 TTh, Cina Hall 106, In Person Term Based; Kelley Newhouse ; 2 cr.

1054 Learning Strategies

(A-F only;)
28654005 LEC, 10:00-10:50 M, Kathryn A Martin Library 119, In Person Term Based; Kelley Newhouse ; 2 cr.
28655006 DIS, 10:00-10:50 W, Kathryn A Martin Library 119, In Person Term Based; Meets With: 007 SSP 1054008 SSP 1054; Kelley Newhouse ; 2 cr.
28729007 DIS, 10:00-10:50 W, Kathryn A Martin Library 119, In Person Term Based; Meets With: 006 SSP 1054008 SSP 1054; Kelley Newhouse ; 2 cr.
28730008 DIS, 10:00-10:50 W, Kathryn A Martin Library 119, In Person Term Based; Meets With: 006 SSP 1054007 SSP 1054; Kelley Newhouse ; 2 cr.
28735013 LEC, 13:00-13:50 M, Kathryn A Martin Library 119, In Person Term Based; Kelley Newhouse ; 2 cr.
28736014 DIS, 13:00-13:50 W, Kathryn A Martin Library 119, In Person Term Based; Meets With: 015 SSP 1054016 SSP 1054; Kelley Newhouse ; 2 cr.
28737015 DIS, 13:00-13:50 W, Kathryn A Martin Library 119, In Person Term Based; Meets With: 014 SSP 1054016 SSP 1054; Kelley Newhouse ; 2 cr.
28738016 DIS, 13:00-13:50 W, Kathryn A Martin Library 119, In Person Term Based; Meets With: 014 SSP 1054015 SSP 1054; Kelley Newhouse ; 2 cr.

2001 UMD Campus Tour Guide Training

(A-F or Audit;)
31988001 LEC, In Person Term Based; Patrick Eidsmo ; 1 cr.

2002 UMD Campus Tour Guide Practicum

(S-N or Audit;)
31989001 LEC, In Person Term Based; Patrick Eidsmo ; 1 cr.

3002 SSP Teaching Assistantship Practicum

(A-F or Audit; Prereq: instructor consent)
28666004 FWK, Independent/Directed Study; Kelley Newhouse ; 1-3 cr.

3003 Tutor Training: Individualization of Instruction

(A-F only; Prereq: instructor consent)
28663001 LEC, 14:00-15:50 T, Kathryn A Martin Library 119, In Person Term Based; Jill Strand ; 2 cr.
28664002 LEC, 14:00-15:50 W, Kathryn A Martin Library 119, In Person Term Based; Jill Strand ; 2 cr.
28739003 LEC, 10:00-11:50 Th, Kathryn A Martin Library 119, In Person Term Based; Jill Strand ; 2 cr.

3004 Tutor Practicum

(Student Option; Prereq: 3003 or instructor consent)
28656001 FWK, 00:00-00:00 , , In Person Term Based; Patrick Eidsmo, Jill Strand ; 1-2 cr.

3006 Teaching Assistant Practicum for UMD Seminar
(Student Option;)

31990 001 FWK, In Person Term Based; Kelley Newhouse ; 1-3 cr.

3010 Supplemental Instruction Leadership Training
(A-F or Audit;)

28832 001 LEC, 17:00-17:50 , ONLINE, Completely Online; Patrick Eidsmo ; 2 cr.

3014 Financial Peer Mentor Leadership Training
(A-F or Audit;)

32038 001 LEC, 13:00-14:50 Th, Kathryn A Martin Library 119, In Person Term Based; Jill Strand ; 2 cr.

3015 Financial Peer Mentor Leadership Practicum
(S-N or Audit;)

31991 001 FWK, In Person Term Based; Jill Strand ; 1 cr.

Theatre (TH)

901 B.F.A. Track Selection

(S-N only; Prereq: Department approval)

31171 001 DIS, In Person Term Based; Mark Harvey ; 0 cr.

1001 Introduction to Theatre Arts

(A-F or Audit; FINE ARTS)

31155 001 LEC, 14:00-14:50 MWF, A B Anderson Hall 235, In Person Term Based; Kelly Grussendorf ; 3 cr.
31332 002 LEC, 11:00-11:50 MWF, A B Anderson Hall 235, In Person Term Based; Mark Harvey ; 3 cr.

1031 Introduction to Theatrical Design

(A-F or Audit;)

31772 001 LEC, 9:00- 9:50 MWF, Marshall Perform Arts Ctr 51, In Person Term Based; Curtis Phillips ; 3 cr.

1051 Introduction to Film

(A-F or Audit; FINE ARTS)

33534 001 LEC, 15:30-17:20 TTh, Chemistry Building 200, In Person Term Based; Mark Stanfield ; 3 cr.

1111 Introduction to Acting

(A-F or Audit; FINE ARTS)

31157 001 LAB, 12:00-13:15 MWF, Marshall Perform Arts Ctr 49, In Person Term Based; William Payne ; 3 cr.

1114 Music Theory and Sight Singing for the Musical Theatre Performer

(A-F or Audit; Prereq: instructor consent; credit will not be granted if already received for Mu 1010 or 1011 or Mu 1111 or Mu 1112)

31774 001 LEC, 14:00-15:15 MWF, Marshall Perform Arts Ctr 49, In Person Term Based; Andrew Kust ; 3 cr.

1118 Voice and Movement for the Actor

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

31161 001 LAB, 10:00-11:15 MWF, Marshall Perform Arts Ctr 21, In Person Term Based; Kate Ufema, Ann Bergeron ; 3 cr.

1199 Performance Practicum I

(A-F or Audit; Prereq: instructor consent; by audition only)

31749 001 LAB, In Person Term Based; LilaAnn White, Jenna Soleo-Shanks, Rebecca Katz Harwood, Kate Ufema ; 1 cr.

1301 Stagecraft

(A-F or Audit; Prereq: 1001 or 1801 or instructor consent prereq: 1001 or 1801 or instructor consent)

31164 001 LEC, 9:00- 9:50 MWF, Heller Hall 216, In Person Term Based; Scott Boyle ; 5 cr.
31358 002 LAB, 10:00-12:50 TTh, Room TBA, In Person Term Based; Samuel Shanks ; 5 cr.
31359 003 LAB, 14:00-16:50 MW, Room TBA, In Person Term Based; Samuel Shanks ; 5 cr.
31360 005 LAB, 14:00-16:50 TTh, Room TBA, In Person Term Based; Samuel Shanks ; 5 cr.
31734 006 LAB, 14:00-16:50 WF, Room TBA, In Person Term Based; Samuel Shanks ; 5 cr.
31735 008 LAB, 14:00-16:50 MF, Room TBA, In Person Term Based; Samuel Shanks ; 5 cr.

1312 Singing for Musical Theatre: For Theatre BA & Acting Emphasis Theatre Majors
(A-F or Audit;)

31827 001 LAB, In Person Term Based; Kate Ufema, Andrew Kust ; 1 cr.

36788 002 LAB, In Person Term Based; Christine Johnson ; 1 cr.

1351 Stage Rendering Techniques

(A-F or Audit; Prereq: 1001 or 1801 or instructor consent)

31190 001 LAB, 10:00-11:50 TTh, Marshall Perform Arts Ctr 51, In Person Term Based; Kelsie Bias ; 3 cr.

1401 Costume Construction I

(A-F or Audit; Prereq: 1001 or 1801 or instructor consent)

31165 001 LEC, 9:00- 9:50 MWF, Marshall Perform Arts Ctr 49, In Person Term Based; Kelsie Bias ; 5 cr.
31361 002 LAB, 10:00-11:50 MWF, Marshall Perform Arts Ctr 30, In Person Term Based; Kelsie Bias ; 5 cr.
31362 003 LAB, 13:00-14:50 MWF, Marshall Perform Arts Ctr 30, In Person Term Based; Kelsie Bias ; 5 cr.
31363 004 LAB, 10:00-12:50 TTh, Marshall Perform Arts Ctr 30, In Person Term Based; Kelsie Bias ; 5 cr.
31364 005 LAB, 14:00-16:50 TTh, Marshall Perform Arts Ctr 30, In Person Term Based; Kelsie Bias ; 5 cr.

1451 Stage Makeup

(A-F or Audit; Prereq: 1001 or 1801 or instructor consent)

31166 001 LEC, 14:00-15:50 TTh, Marshall Perform Arts Ctr 22, In Person Term Based; Patricia Dennis ; 3 cr.

1599 Lighting/Sound Practicum

(A-F or Audit; Prereq: Th major or minor)

31830 001 LAB, 14:00-16:50 MW, Room TBA, In Person Term Based; Mark Harvey, Jon Brophy ; 1 cr.
31831 002 LAB, 14:00-16:50 TTh, Room TBA, In Person Term Based; Mark Harvey, Jon Brophy ; 1 cr.
31832 003 LAB, 14:00-16:50 WF, Room TBA, In Person Term Based; Mark Harvey, Jon Brophy ; 1 cr.
35909 005 LAB, 10:00-12:50 TTh, Room TBA, In Person Term Based; Jon Brophy, Mark Harvey ; 1 cr.

1699 Running Crew Practicum

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

31367 001 LAB, In Person Term Based; Mark Harvey ; 2 cr.

1801 Elements of Theatre

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

31167 001 LEC, 12:00-12:50 MWF, Ed Endazhigikino'amaading 51, In Person Term Based; Jenna Soleo-Shanks ; 3 cr.

2112 Acting II: American Realism

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

31168 001 LAB, 13:00-14:15 MWF, Marshall Perform Arts Ctr 155, In Person Term Based; Tom Isbell ; 3 cr.

2115 Musical Theatre Singing II: The Modes

(A-F or Audit;)

31833 001 LAB, In Person Term Based; Kate Ufema ; 1 cr.

2118 Speech for the Actor

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

31170 001 LAB, 11:30-12:45 MWF, Marshall Perform Arts Ctr 155, In Person Term Based; Kate Ufema ; 3 cr.

2399 Production Practicum II

(A-F or Audit; Prereq: 1301 or 1401, instructor consent)

31834 001 LAB, In Person Term Based; Jon Brophy, Mark Harvey ; 1 cr.

2801 Play Analysis: Dramatic Theory and Theatre Research

(A-F or Audit; Prereq: 1001 or 1801)

31703 001 LEC, 10:00-11:15 TTh, Marshall Perform Arts Ctr 49, In Person Term Based; Jenna Soleo-Shanks ; 3 cr.

3112 Acting IV: Improvisation

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

31380 001 LAB, 15:15-16:30 MWF, Marshall Perform Arts Ctr 49, In Person Term Based; Tom Isbell ; 3 cr.

3114 Musical Theatre Repertoire

(A-F or Audit; Prereq: Third year Musical Theatre Students and instructor consent)

31783 001 LAB, 16:00-17:45 Th, Marshall Perform Arts Ctr 155, In Person Term Based; Andrew Kust ; 1 cr.

3115 Musical Theatre Singing III

(A-F or Audit;)

31835 001 LAB, In Person Term Based; Andrew Kust ; 1 cr.

3151 Stage Combat/Circus

(A-F or Audit; Prereq: 0901 or instructor consent)

31376 001 LAB, 10:00-11:50 TTh, Marshall Perform Arts Ctr 1, In Person Term Based; Tom Isbell ; 3 cr.

3199 Performance Practicum II

(A-F or Audit; Prereq: instructor consent; by audition only)

31750 001 LAB, In Person Term Based; Rebecca Katz Harwood, Kate Ufema, Jenna Soleo-Shanks ; 2 cr.

3201 Stage Direction

(A-F or Audit; Prereq: 1111 or 1112, 60 cr, Th major or minor or instructor consent)

31172 001 LAB, 14:00-15:50 TTh, Marshall Perform Arts Ctr 155, In Person Term Based; William Payne ; 3 cr.

3351 Theatrical Drafting

(A-F or Audit; Prereq: 1301)

31737 001 LEC, 13:00-14:50 MWF, Marshall Perform Arts Ctr 51, In Person Term Based; Scott Boyle ; 3 cr.

3399 Production Practicum III

(A-F or Audit; Prereq: TH 1699 and instructor consent)

31775 001 LAB, In Person Term Based; Jon Brophy ; 2 cr.

3699 Production Management

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

31366 001 LAB, 8:00- 9:50 T, Marshall Perform Arts Ctr 51, In Person Term Based; Mark Harvey ; 2 cr.

3851 Screenwriting

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

31760 001 LEC, 13:00-14:15 TTh, Marshall Perform Arts Ctr 49, In Person Term Based; Mark Stanfield ; 3 cr.

3991 Independent Study in Theatre

(A-F or Audit; Prereq: instructor consent; undergrads max 6 cr in 3991 and 5991 combined)

31186 001 IND, In Person Term Based; Mark Harvey, Curtis Phillips ; 1-3 cr.

4113 Acting VII: Period Styles

(A-F or Audit; Prereq: 901, 1116, minimum 90 credits or instructor consent; no grad credit)

31784 001 LAB, 15:00-16:15 WF, Marshall Perform Arts Ctr 155, In Person Term Based; Kelly Grussendorf ; 2 cr.

4115 Musical Theatre Singing IV: Transition Into the Profession

(A-F or Audit;)

31836 001 LAB, In Person Term Based; Andrew Kust ; 1 cr.

4116 Audition Techniques II

(A-F or Audit; Prereq: 901, 1116, minimum 90 credits or instructor consent; no grad credit)

31785 001 LAB, 15:00-16:15 M, Marshall Perform Arts Ctr 155, In Person Term Based; Ann Bergeron ; 1 cr.

4331 Scenic Design II

(A-F or Audit; Prereq: 3331)

34480 001 LEC, 12:00-13:50 TTh, Marshall Perform Arts Ctr 51, In Person Term Based; Curtis Phillips ; 3 cr.

4351 Portfolio Preparation and Presentation

(A-F or Audit; Prereq: instructor consent; no grad credit)

31333 001 LEC, 10:00-10:50 MWF, Marshall Perform Arts Ctr 51, In Person Term Based; Mark Harvey, Curtis Phillips, Scott Boyle ; 3 cr.

4399 Theatre: Special Projects

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

31187 001 DIS, In Person Term Based; Patricia Dennis, William Payne, Jenna Soleo-Shanks ; 2 cr.

4801 History of the Theatre I

(A-F or Audit; Prereq: instructor consent/HUMANITIES)

31188 001 LEC, 11:00-11:50 MWF, Ed Endazhigikino'amaading 50, In Person Term Based; Jenna Soleo-Shanks ; 3 cr.

4901 Intern Teaching in Theatre

(A-F or Audit; Prereq: instructor consent, no grad credit)

31189 001 DIS, In Person Term Based; Mark Harvey, Kelsie Bias, Mark Stanfield, Kate Ufema ; 3 cr.

5991 Independent Study in Theatre

(A-F or Audit; Prereq: 1001 or 1801 or instructor consent)

34481 001 IND, Independent/Directed Study; Mark Harvey, William Payne ; 1-3 cr.

5997 Internship in Professional Theatre

(S-N or Audit; Prereq: department approval; 1 cr for each 45 hrs work)

34482 001 FWK, In Person Term Based; Mark Harvey ; 1-12 cr.

Tribal Admin and Governance (TAG)

2801 Introduction to Tribal Administration and Governance

(A-F or Audit;)
33238 001 LEC, Completely Online; Tadd Johnson ; 3 cr.

3810 Fundamentals of Tribal Strategic Management

(A-F or Audit;)
33238 001 LEC, Completely Online; Rebecca Webster ; 3 cr.

4840 Current Issues and Opportunities in Tribal Administration and Governance

(A-F or Audit; Prereq: TAG major; no grad credit)
33239 001 LEC, Completely Online; Jill Doerfler ; 3 cr.

University Studies (UST)

1000 UMD Seminar

(A-F or Audit;)
28746 001 LEC, 13:00-13:50 M, Bohannon Hall 104, In Person Term Based; Carol Kubiski ; 1-2 cr.
28747 002 LEC, 13:00-13:50 W, Bohannon Hall 104, In Person Term Based; Kelly Grussendorf ; 1-2 cr.
28748 003 LEC, 8:00- 8:50 M, Heller Hall 216, In Person Term Based; Samuel Shanks ; 1-2 cr.
28749 004 LEC, 8:00- 8:50 W, James I Swenson Sci Bldg 216, In Person Term Based; Christiana Kapsner ; 1-2 cr.
28750 005 LEC, 15:00-15:50 M, Humanities Building 484, In Person Term Based; Jennifer Berges ; 1-2 cr.
28751 006 LEC, 15:00-15:50 W, Humanities Building 484, In Person Term Based; David Hallberg ; 1-2 cr.
28752 007 LEC, 15:00-15:50 M, Heller Hall 216, In Person Term Based; Carol Kubiski ; 1-2 cr.
28753 008 LEC, 16:00-16:50 W, Cina Hall 102, In Person Term Based; Matt Olin ; 1-2 cr.
28754 009 LEC, 16:00-16:50 M, Humanities Building 484, In Person Term Based; Noah Kramer ; 1-2 cr.
28755 010 LEC, 16:00-16:50 W, Bohannon Hall 104, In Person Term Based; Laurreta Perry ; 1-2 cr.
28756 011 LEC, 16:00-16:50 M, Cina Hall 106, In Person Term Based; Susana Woodward ; 1-2 cr.
28757 012 LEC, 16:00-16:50 W, Ed Endazhigikino'amaading 51, In Person Term Based; Peter Spooner ; 1-2 cr.
28758 014 LEC, 13:00-13:50 T, James I Swenson Sci Bldg 115, In Person Term Based; Joel Sanderson ; 1-2 cr.
28759 017 LEC, 13:00-13:50 Th, Humanities Building 464, In Person Term Based; Kurt Guidinger ; 1-2 cr.
28760 018 LEC, 8:00- 8:50 TTh, Humanities Building 484, In Person Term Based; Ryan Hueffmeier ; 1-2 cr.
28761 019 LEC, 10:00-10:50 F, Montague Hall 206, In Person Term Based; Beth Cash ; 1-2 cr.
28762 020 LEC, 16:00-16:50 W, Humanities Building 484, In Person Term Based; Timothy Walters ; 1-2 cr.
28763 021 LEC, 8:00- 8:50 T, Solon Campus Center 21, In Person Term Based; Colleen Belk ; 1-2 cr.
28764 022 LEC, 15:00-15:50 F, Voss-Kovach Hall 115, In Person Term Based; Mia O'Brien ; 1-2 cr.
28765 024 LEC, 13:00-13:50 T, Bohannon Hall 104, In Person Term Based; Colleen Belk ; 1-2 cr.
28766 025 LEC, 16:00-16:50 M, Solon Campus Center 21, In Person Term Based; Joel Sanderson ; 1-2 cr.
28767 026 LEC, 12:00-12:50 T, Ed Endazhigikino'amaading 17, In Person Term Based; Noah Kramer ; 1-2 cr.
28768 027 LEC, 16:00-16:50 T, Heller Hall 216, In Person Term Based; Susana Woodward ; 1-2 cr.
28769 029 LEC, 16:00-17:50 T, Humanities Building 464, In Person Term Based; Stacy Crawford ; 1-2 cr.
28770 030 LEC, 8:00- 8:50 Th, Montague Hall 206, In Person Term Based; Nora Twite ; 1-2 cr.
28771 031 LEC, 16:00-16:50 Th, Solon Campus Center 21, In Person Term Based; Timothy Walters ; 1-2 cr.
28773 033 LEC, 16:00-16:50 T, Humanities Building 480, In Person Term Based; Dauli Menze ; 1-2 cr.
28774 034 LEC, 9:00- 9:50 M, Cina Hall 102, In Person Term Based; Avesa Rockwell ; 1-2 cr.
28775 035 LEC, 9:00- 9:50 W, Bohannon Hall 104, In Person Term Based; Eric Erdmann ; 1-2 cr.
28776 036 LEC, 9:00- 9:50 F, Humanities Building 484, In Person Term Based; Matt Olin ; 1-2 cr.
28777 037 LEC, 8:00- 8:50 T, Montague Hall 206, In Person Term Based; Nora Twite ; 1-2 cr.
28778 038 LEC, 15:00-15:50 Th, Solon Campus Center 21, In Person Term Based; Jennifer Doebler ; 1-2 cr.
28779 039 LEC, 11:00-11:50 F, Bohannon Hall 104, In Person Term Based; Sarah Hatfield ; 1-2 cr.

28780 040 LEC, 11:00-11:50 W, James I Swenson Sci Bldg 115, In Person Term Based; Matt Olin ; 1-2 cr.
28781 041 LEC, 11:00-11:50 W, Humanities Building 464, In Person Term Based; Elias MOKOLE ; 1-2 cr.
28782 042 LEC, 16:00-16:50 W, Solon Campus Center 21, In Person Term Based; Joelle McGovern ; 1-2 cr.
28783 043 LEC, 12:00-12:50 W, James I Swenson Sci Bldg 115, In Person Term Based; Christine Schilling ; 1-2 cr.
28784 044 LEC, 11:00-11:50 F, Montague Hall 206, In Person Term Based; Corbin Smyth ; 1-2 cr.
28785 045 LEC, 8:00- 8:50 Th, Voss-Kovach Hall 115, In Person Term Based; Jayme Battaglia ; 1-2 cr.
28786 046 LEC, 9:00- 9:50 W, James I Swenson Sci Bldg 216, In Person Term Based; Christiana Kapsner ; 1-2 cr.
28787 047 LEC, 14:00-14:50 MW, Ed Endazhigikino'amaading 32, In Person Term Based; Jeni Eltink ; 1-2 cr.
28789 049 LEC, 9:00- 9:50 T, Cina Hall 102, In Person Term Based; 1-2 cr.
28790 050 LEC, 9:00- 9:50 T, A B Anderson Hall 445, In Person Term Based; Stacy Crawford ; 1-2 cr.
28791 051 LEC, 9:00- 9:50 M, James I Swenson Sci Bldg 216, In Person Term Based; Samuel Shanks ; 1-2 cr.
28792 052 LEC, 11:00-11:50 F, Humanities Building 484, In Person Term Based; Mandie Johnson ; 1-2 cr.
28793 053 LEC, 10:00-10:50 T, Solon Campus Center 21, In Person Term Based; Stephanie Raible ; 1-2 cr.
28794 054 LEC, 14:00-14:50 F, Cina Hall 102, In Person Term Based; Elias MOKOLE ; 1-2 cr.
28795 055 LEC, 11:00-11:50 T, Solon Campus Center 21, In Person Term Based; Kim Pittman ; 1-2 cr.
28796 056 LEC, 9:00- 9:50 Th, Cina Hall 102, In Person Term Based; Jessi Eaton ; 1-2 cr.
28797 057 LEC, 10:00-10:50 F, Humanities Building 484, In Person Term Based; Timothy Walters ; 1-2 cr.
28798 058 LEC, 12:00-12:50 F, Montague Hall 206, In Person Term Based; Beth Cash ; 1-2 cr.
28800 060 LEC, 13:00-13:50 T, Solon Campus Center 21, In Person Term Based; Samuel Shanks ; 1-2 cr.
28801 061 LEC, 13:00-13:50 Th, Bohannon Hall 104, In Person Term Based; Kurt Guidinger ; 1-2 cr.
28802 062 LEC, 9:00- 9:50 F, Voss-Kovach Hall 115, In Person Term Based; Kate Meisner ; 1-2 cr.
28803 063 LEC, 14:00-14:50 T, Solon Campus Center 21, In Person Term Based; Mia O'Brien ; 1-2 cr.
28804 064 LEC, 14:00-14:50 TTh, Humanities Building 484, In Person Term Based; Fernando Delgado ; 1-2 cr.
28805 067 LEC, 14:00-14:50 Th, Montague Hall 203, In Person Term Based; Kate Guidinger ; 1-2 cr.
28806 068 LEC, 9:00- 9:50 F, James I Swenson Sci Bldg 115, In Person Term Based; Peter Spooner ; 1-2 cr.
28843 072 LEC, 13:00-13:50 MW, Humanities Building 464, In Person Term Based; Nicole Pechinski ; 1-2 cr.

Urban and Regional Studies (URS)

1001 World Cities: An Introduction to Global Urbanization

(A-F only; SOC SCI, GLOBAL PER)
33258 001 LEC, 13:00-13:50 MWF, Engineering Building 177, In Person Term Based; Adam Pine ; 3 cr.

3097 Internship in Urban and Regional Studies

(S-N only; Prereq: URS major, jr or sr, instructor consent)
29488 001 FWK, 00:00-00:00 , , Independent/Directed Study; Adam Pine ; 1-6 cr.

3991 Independent Study in Urban and Regional Studies

(Student Option; Prereq: instructor consent)
33259 001 IND, In Person Term Based; Adam Pine ; 1-4 cr.

Water Resources Science (WRS)

8100 Interdisciplinary Seminar in Water Resources

(S-N only; Prereq: Graduate student)
30470 001 LEC, 16:00-16:50 M, James I Swenson Sci Bldg 202, In Person Term Based; Randall Hicks ; 0.5-3 cr.

8333 FTE: Master's

(No Grade Associated; Prereq: Master's student, adviser and DGS consent)
30660 001 IND, 00:00-00:00 , , Independent/Directed Study; George Host, Lucinda Johnson ; 1 cr.

8777 Thesis Credits: Master's

(No Grade Associated; Prereq: Max 18 cr per semester or summer; 10 cr total required (Plan A only))

30659 001 IND, 00:00-00:00 , , Independent/Directed Study; Elizabeth Austin-Minor ; 1-18 cr.
30783 002 IND, In Person Term Based; Andrew Bramburger ; 1-18 cr.
30784 003 IND, In Person Term Based; Chanlan Chun ; 1-18 cr.
30786 005 IND, In Person Term Based; Nathan Johnson ; 1-18 cr.
30787 006 IND, In Person Term Based; Kathryn Schreiner ; 1-18 cr.
30788 007 IND, In Person Term Based; Donn Branstrator ; 1-18 cr.

8888 Thesis Credits: Doctoral

(No Grade Associated; Prereq: Max 18 cr per semester or summer; 24 cr required)

33423 001 IND, In Person Term Based; Robert Sterner ; 1-24 cr.
33424 002 IND, In Person Term Based; Karen Gran ; 1-24 cr.
36692 003 IND, In Person Term Based; Sergei Katsev ; 1-24 cr.
37196 004 IND, In Person Term Based; Nathan Johnson ; 1-24 cr.
37393 005 IND, In Person Term Based; Howard Mooers ; 1-24 cr.

Women's Studies (WS)

1000 Introduction to Women's and Gender Studies

(A-F or Audit; SOC SCI, CDIVERSITY)
29432 001 LEC, 15:00-15:50 MWF, Humanities Building 314, In Person Term Based; Chloe Diamond-Lenow ; 3 cr.

2001 Introduction to Lesbian Gay Bisexual and Transgender Studies

(A-F or Audit; Prereq: credit will not be granted if already received for CST 2001 CDIVERSITY)
29736 001 LEC, 12:00-13:50 MW, Engineering Building 118, Partially Online; Chloe Diamond-Lenow ; 4 cr.

2101 Women, Race, and Class

(A-F or Audit; CDIVERSITY, SOC SCI)
29475 001 LEC, 9:30-10:45 TTh, Engineering Building 280, In Person Term Based; Njoki Kamau ; 3 cr.

3001 Gender Relations in the Global South

(A-F or Audit; GLOBAL PER)
29504 001 LEC, 15:30-16:45 TTh, Engineering Building 118, In Person Term Based; Njoki Kamau ; 3 cr.

3100 Feminist Thought

(A-F or Audit; Prereq: 1000 or 2101, 45 cr or instructor consent CDIVERSITY, HUMANITIES)
29489 001 LEC, 15:30-17:20 TTh, Voss-Kovach Hall 115, In Person Term Based; Tineke Ritmeester ; 4 cr.

3200 Women's Autobiographies

(A-F or Audit; GLOBAL PER)
33300 001 LEC, 12:00-13:15 TTh, Chester Park 204, In Person Term Based; Kathryn Milun ; 3 cr.

3400 Women and Film

(A-F or Audit; GLOBAL PER)
29490 001 LEC, 18:00-20:50 T, Bohannon Hall 108, In Person Term Based; Tineke Ritmeester ; 3 cr.

3775 Gender, Globalization and Food

(Student Option; SUSTAIN)
29571 001 LEC, 17:00-19:50 W, Bohannon Hall 343, In Person Term Based; Njoki Kamau ; 3 cr.

3891 Independent Study

(A-F or Audit; Prereq: 1000 or 2101, instructor consent)
29466 001 IND, 00:00-00:00 , , Independent/Directed Study; Njoki Kamau ; 1-3 cr.
29724 002 IND, 00:00-00:00 , , Independent/Directed Study; Tineke Ritmeester ; 1-3 cr.
29725 003 IND, 00:00-00:00 , , Independent/Directed Study; 1-3 cr.

3897 Internship

(S-N or Audit; Prereq: 1000, 2101, 3100, 15 cr WS or WS-related courses, WS major or minor, 53 cr, instructor consent)
29465 001 FWK, 00:00-00:00 , , Independent/Directed Study; Njoki Kamau ; 1-9 cr.
29863 002 FWK, Independent/Directed Study; Tineke Ritmeester ; 1-9 cr.

29864 003 FWK, Independent/Directed Study; ; 1-9 cr.

5897 Teaching Internship in Women's Studies

(S-N or Audit; Prereq: 1000, 2101, 90cr, WS major, instructor consent)

29510 001 FWK, 00:00-00:00 , , Independent/Directed Study; Njoki Kamau ; 1-2 cr.
29728 002 FWK, 00:00-00:00 , , Independent/Directed Study; Tineke Ritmeester ; 1-2 cr.
29729 003 FWK, 00:00-00:00 , , Independent/Directed Study; ; 1-2 cr.

5991 Independent Study

(A-F or Audit; Prereq: 1000, 3100, 15 cr WS or WS related courses or grad student, instructor consent)

29698 001 IND, 00:00-00:00 , , Independent/Directed Study; Tineke Ritmeester ; 1-4 cr.
29750 002 IND, 00:00-00:00 , , Independent/Directed Study; Njoki Kamau ; 1-4 cr.
29731 003 IND, 00:00-00:00 , , Independent/Directed Study; ; 1-4 cr.

Writing Studies (WRIT)

1120 College Writing

(A-F or Audit; Prereq: Students speaking English as a second language must have TOEFL score of 550WRITING)

29314 001 LEC, 8:00- 8:50 MWF, Voss-Kovach Hall 115, In Person Term Based; Kelly MacPhail ; 3 cr.
29315 002 LEC, 8:00- 8:50 MWF, Kirby Plaza 385, In Person Term Based; Brenda Palokangas ; 3 cr.
29316 003 LEC, 8:00- 8:50 MWF, Kirby Plaza 312, In Person Term Based; Jessica Jongquist ; 3 cr.
29317 004 LEC, 8:00- 8:50 MWF, Humanities Building 470, In Person Term Based; Nancy Peterson ; 3 cr.
29318 005 LEC, 8:00- 9:15 TTh, Kirby Plaza 312, In Person Term Based; Elizabethahda Wright ; 3 cr.
29319 006 LEC, 8:00- 9:15 TTh, Labovitz Schl Bus & Econ 265, In Person Term Based; Kevin Swanberg ; 3 cr.
29320 007 LEC, 9:00- 9:50 MWF, Bohannon Hall 346, In Person Term Based; Kristina Cashin ; 3 cr.
29321 008 LEC, 9:00- 9:50 MWF, Cina Hall 224, In Person Term Based; Whitney Jacobson ; 3 cr.
29322 009 LEC, 9:00- 9:50 MWF, Cina Hall 106, In Person Term Based; Katie Groves ; 3 cr.
29323 010 LEC, 9:30-10:45 TTh, Humanities Building 470, In Person Term Based; Whitney Jacobson ; 3 cr.
29324 011 LEC, 9:30-10:45 TTh, Chemistry Building 155, In Person Term Based; Nancy Peterson ; 3 cr.
29325 012 LEC, 10:00-10:50 MWF, Voss-Kovach Hall 115, In Person Term Based; Emily Woster ; 3 cr.
29326 013 LEC, 10:00-10:50 MWF, Humanities Building 470, In Person Term Based; Nancy Peterson ; 3 cr.
29327 014 LEC, 10:00-10:50 MWF, Darland Admin Bldg 16A, In Person Term Based; Whitney Jacobson ; 3 cr.
29328 015 LEC, 11:00-11:50 MWF, Bohannon Hall 346, In Person Term Based; Kendra Carlson ; 3 cr.
29329 016 LEC, 11:00-11:50 MWF, Humanities Building 470, In Person Term Based; Melissa Frank ; 3 cr.
29330 017 LEC, 11:00-11:50 MWF, Labovitz Schl Bus & Econ 165, In Person Term Based; Kelly MacPhail ; 3 cr.
29331 018 LEC, 12:00-12:50 MWF, Cina Hall 224, In Person Term Based; Susan Perala-Dewey ; 3 cr.
29332 019 LEC, 12:00-12:50 MWF, Humanities Building 470, In Person Term Based; Madeline Johnson ; 3 cr.
29333 020 LEC, 12:00-12:50 MWF, Labovitz Schl Bus & Econ 265, In Person Term Based; Kelly MacPhail ; 3 cr.
29334 021 LEC, 13:00-13:50 MWF, Cina Hall 214, In Person Term Based; John Grauer ; 3 cr.
29335 022 LEC, 13:00-13:50 MWF, Kirby Plaza 312, In Person Term Based; Brenda Palokangas ; 3 cr.
29336 023 LEC, 13:00-13:50 MWF, Labovitz Schl Bus & Econ 165, In Person Term Based; Chris Godsey ; 3 cr.
29337 024 LEC, 14:00-14:50 MWF, James I Swenson Sci Bldg 216, In Person Term Based; Katie Groves ; 3 cr.
29338 025 LEC, 14:00-14:50 MWF, Humanities Building 470, In Person Term Based; Sara Sowers-Wills ; 3 cr.
29339 026 LEC, 14:00-14:50 MWF, Labovitz Schl Bus & Econ 265, In Person Term Based; Susan Perala-Dewey ; 3 cr.
29340 027 LEC, 14:00-15:15 TTh, Humanities Building 470, In Person Term Based; Jessica Jongquist ; 3 cr.
29341 028 LEC, 14:00-15:15 TTh, Voss-Kovach Hall 115, In Person Term Based; Paul Cannan ; 3 cr.
29342 029 LEC, 15:00-15:50 MWF, Bohannon Hall 108, In Person Term Based; Katie Groves ; 3 cr.
29343 030 LEC, 15:00-15:50 MWF, Humanities Building 470, In Person Term Based; Kendra Carlson ; 3 cr.
29344 032 LEC, 15:00-15:50 MWF, Labovitz Schl Bus & Econ 265, In Person Term Based; Faith King ; 3 cr.
29345 033 LEC, 15:30-16:45 TTh, Heller Hall 306, In Person Term Based; Lindsey Jungman ; 3 cr.

29346 034 LEC, 15:30-16:45 TTh, Labovitz Schl Bus & Econ 165, In Person Term Based; Anthony Howe ; 3 cr.
29347 035 LEC, 16:00-17:15 MW, Humanities Building 470, In Person Term Based; Kendra Carlson ; 3 cr.
29348 036 LEC, 16:00-17:15 MW, Labovitz Schl Bus & Econ 265, In Person Term Based; Kristine Koyama ; 3 cr.
29349 037 LEC, 17:00-18:15 MW, Kirby Plaza 311, In Person Term Based; Molly Hunter ; 3 cr.
29350 038 LEC, 17:00-18:15 MW, Kirby Plaza 385, In Person Term Based; Robin Fuller ; 3 cr.
29351 039 LEC, 17:00-18:15 TTh, Humanities Building 470, In Person Term Based; Blair Powless ; 3 cr.
29352 040 LEC, 17:00-18:15 TTh, Kirby Plaza 385, In Person Term Based; Lisa Horton ; 3 cr.
29393 031 LEC, 15:00-15:50 MWF, Labovitz Schl Bus & Econ 165, In Person Term Based; Sara Sowers-Wills ; 3 cr.
36793 041 LEC, 10:00-10:50 MWF, M W Alworth Hall 175, In Person Term Based; Katherine Basham ; 3 cr.
36794 042 LEC, 11:00-12:15 TTh, Humanities Building 484, In Person Term Based; John Schwelmtan ; 3 cr.

1506 Literacy, Technology and Society

(A-F or Audit; Prereq: Credit will not be granted if already received for Comp 1506.HUMANITIES)

29410 001 LEC, 17:30-20:15 W, Humanities Building 470, In Person Term Based; David Beard ; 3 cr.

2506 Introduction to Writing Studies

(A-F or Audit; Prereq: 1120)

29563 001 DIS, 13:00-13:50 MWF, Humanities Building 470, In Person Term Based; David Beard ; 3 cr.

3100 Advanced Writing: Language and Literature

(A-F or Audit; Prereq: WRIT 1120 or MNTC completed and minimum 60 credits)

29402 001 LEC, 8:00- 9:15 TTh, Humanities Building 470, In Person Term Based; Whitney Jacobson ; 3 cr.

3110 Advanced Writing: Arts and Letters

(A-F or Audit; Prereq: WRIT 1120 or MNTC completed and minimum 60 credits)

29359 001 LEC, 8:00- 8:50 MWF, Bohannon Hall 108, In Person Term Based; Mark Stanfield ; 3 cr.
29360 002 LEC, 9:30-10:45 TTh, Chester Park 204, In Person Term Based; Mark Stanfield ; 3 cr.
29659 004 LEC, Completely Online; Kendra Carlson ; 3 cr.

3121 Advanced Writing: Business and Organizations

(A-F or Audit; Prereq: WRIT 1120 or MNTC completed and minimum 60 credits)

29373 002 LEC, 8:00- 9:15 TTh, Ed Endazhigikino'amading 36, In Person Term Based; Lindsey Jungman ; 3 cr.
29374 003 LEC, 12:00-12:50 MWF, M W Alworth Hall 175, In Person Term Based; Brenda Palokangas ; 3 cr.
29411 004 LEC, 15:00-16:15 MW, M W Alworth Hall 175, In Person Term Based; Susan Perala-Dewey ; 3 cr.
29660 005 LEC, Completely Online; Brenda Palokangas ; 3 cr.
29769 006 LEC, Completely Online; Lindsey Jungman ; 3 cr.

3130 Advanced Writing: Engineering

(A-F or Audit; Prereq: WRIT 1120 or MNTC completed and minimum 60 credits)

29361 001 LEC, 8:00- 8:50 MWF, Bohannon Hall 104, In Person Term Based; Emily Woster ; 3 cr.
29573 002 LEC, 8:00- 9:15 TTh, Cina Hall 308, In Person Term Based; Kenneth Risdon ; 3 cr.
29661 003 LEC, 15:00-16:15 MW, Cina Hall 308, In Person Term Based; Chris Godsey ; 3 cr.
29686 004 LEC, Completely Online; Kenneth Risdon ; 3 cr.
29831 005 LEC, Completely Online; Chris Godsey ; 3 cr.
37341 006 LEC, Completely Online; Chris Godsey ; 3 cr.

3140 Advanced Writing: Human Services

(A-F or Audit; Prereq: WRIT 1120 or MNTC completed and minimum 60 credits)

29362 001 LEC, 8:00- 9:15 TTh, Chemistry Building 155, In Person Term Based; Lisa Horton ; 3 cr.
29363 002 LEC, 11:00-11:50 MWF, M W Alworth Hall 175, In Person Term Based; Robin Fuller ; 3 cr.
29364 003 LEC, 12:00-12:50 MWF, Humanities Building 484, In Person Term Based; Katie Groves ; 3 cr.
29403 004 LEC, 14:00-15:15 TTh, Humanities Building 480, In Person Term Based; Lisa Horton ; 3 cr.
29405 005 LEC, 15:00-16:15 MW, Chemistry Building 155, In Person Term Based; Robin Fuller ; 3 cr.
29552 006 LEC, 15:30-16:45 TTh, Humanities Building 470, In Person Term Based; Lisa Horton ; 3 cr.
29662 007 LEC, Completely Online; Robin Fuller ; 3 cr.

3150 Advanced Writing: Science

(A-F or Audit; Prereq: WRIT 1120 or MNTC completed and minimum 60 credits; credit will not be granted if already received for COMP 3150)

29365 001 LEC, 8:00- 8:50 MWF, Cina Hall 316, In Person Term Based; Chris Godsey ; 3 cr.
29394 002 LEC, 9:00- 9:50 MWF, Chester Park 204, In Person Term Based; Amy Clark ; 3 cr.
29395 003 LEC, 14:00-15:15 TTh, Voss-Kovach Hall 221, In Person Term Based; Amy Clark ; 3 cr.
29551 004 LEC, 15:00-15:50 MWF, Cina Hall 224, In Person Term Based; Amy Clark ; 3 cr.
29599 005 LEC, 15:00-16:15 MW, Bohannon Hall 346, In Person Term Based; John Grauer ; 3 cr.
29606 006 LEC, 15:30-16:45 TTh, Cina Hall 224, In Person Term Based; Rebecca Boyle ; 3 cr.
29619 007 LEC, Completely Online; Amy Clark ; 3 cr.
29663 008 LEC, Completely Online; John Grauer ; 3 cr.

3160 Advanced Writing: Social Sciences

(A-F or Audit; Prereq: WRIT 1120 or MNTC completed and minimum 60 credits; credit will not be granted if already received for COMP 3160)

29366 001 LEC, 8:00- 9:15 TTh, Cina Hall 224, In Person Term Based; Rebecca Boyle ; 3 cr.
29367 002 LEC, 9:00- 9:50 MWF, Humanities Building 470, In Person Term Based; Krista Twu ; 3 cr.
29368 003 LEC, Completely Online; Avesa Rockwell ; 3 cr.
29369 004 LEC, 14:00-15:15 TTh, Labovitz Schl Bus & Econ 165, In Person Term Based; Rebecca Boyle ; 3 cr.
29605 005 LEC, 15:00-16:15 MW, Bohannon Hall 112, In Person Term Based; Avesa Rockwell ; 3 cr.
29664 006 LEC, Completely Online; Rebecca Boyle ; 3 cr.

4197 Internship in Writing

(S-N only; Prereq: instructor consent, no grad credit)

36964 001 FWK, In Person Term Based; 1-3 cr.

4230 Web Design and Digital Culture

(A-F or Audit; Prereq: Min 30 cr, no grad credit)

29565 001 LAB, 14:00-15:15 TTh, Montague Hall 209, In Person Term Based; Meets With: 001 WRIT 5230; Rob Wittig ; 3 cr.

4506 Capstone Course: Senior Portfolio Preparation

(S-N or Audit; Prereq: Min 90 cr, writing studies major)

29608 001 LEC, Independent/Directed Study; David Beard ; 1 cr.

4591 Independent Study

(A-F or Audit; Prereq: instructor consent, no grad credit)

29567 001 IND, Independent/Directed Study; David Beard ; 1-3 cr.

5197 Internship in Writing

(S-N only; Prereq: instructor consent, Coll Grad or Grad student)

36965 001 FWK, In Person Term Based; David Beard ; 1-3 cr.

5230 Web Design and Digital Culture

(A-F or Audit; Prereq: Credit will not be granted if already received for Comp 5230, Grad student)

29836 001 LAB, 14:00-15:15 TTh, Montague Hall 209, In Person Term Based; Meets With: 001 WRIT 4230; Rob Wittig ; 3 cr.

5991 Independent Study

(Student Option; Prereq: College grad or grad student, credit will not be granted if already received for Comp 5991, max 3 cr may be applied to Grad prog, instructor consent)

33427 001 IND, Independent/Directed Study; David Beard ; 1-3 cr.

8902 Teaching College Writing

(A-F only; Prereq: Credit will not be granted if already received for COMP 8902, required for tchg assts in Writ and Engl Depts, instructor consent)

29370 001 LEC, 17:30-20:15 M, Humanities Building 470, In Person Term Based; Elizabethahda Wright ; 3 cr.

8910 Practicum in Teaching Writing

(A-F or Audit; Prereq: Credit will not be granted if already received for Engl 8910 or Comp 8910, instructor consent)

29371 001 FWK, In Person Term Based; Elizabethahda Wright ; 1-4 cr.

8994 Directed Research in Writing Studies

(A-F or Audit; Prereq: Credit will not be granted if already received for Comp 8994; 8902; instructor consent)

29840 004 IND, Independent/Directed Study; Elizabethahda Wright ; 1-3 cr.