HOW TO USE THIS SCHEDULE

Class Number — This five-digit number appears to the left of each course or each section of a course. You must use this number when you register.

Prerequisites — In order to register in some courses, you must either complete or concurrently enroll in certain other course or possess some particular qualifications or class standing. These requirements, known as prerequisites, are listed inside the parentheses after the course titles. If no prerequisites are listed, there are none, except for the class standing requirement indicated by the course number. Students attempting to register in courses for which the prerequisites have not been met must obtain a permission number from the appropriate instructor and/ or department.

Class standing requirements, unless otherwise noted, are indicated by course numbers as follow:

0xxx Courses that do not carry credit toward any University degree.
1xxx Courses primarily for undergraduate students in their first year of study.
2xxx Courses primarily for undergraduate students in their second year of study.
3xxx Courses primarily for undergraduate students in their third year of study.
4xxx Courses primarily for undergraduate students in their fourth year of study.
4xxx courses can be applied to a Graduate School degree with approval by the student's major field and if taught by a member of the graduate faculty or an individual authorized by the program to teach at the graduate level.
5xxx Courses primarily for graduate students; undergraduate students in their third or fourth year may enroll in such courses.
6xxx Courses for post-baccalaureate students in professional degree programs.
7xxx Courses for post-baccalaureate students in professional degree programs. 6xxx and 7xxx courses are to be used primarily for post-baccalaureate professional programs that are not offered through the Graduate School.
8xxx Courses for graduate students.

When courses that must be taken in sequence are prerequisites, only the last course of the sequence is listed.

Class Standing — Your semester class standing is determined by the number of credits you have completed:

Freshman...............................................1-29 credits
Sophomore...........................................30-59 credits
Junior....................................................60-89 credits
Senior..........................................90 or more credits

Each quarter credit is worth 2/3 of a semester credit. For example, if you have 60 quarter credits, they translate to 40 semester credits; 80 quarter credits = 53.33 semester credits; 100 quarter credits = 66.67 semester credits; and 140 quarter credits = 93.33 semester credits. Your adviser can help you stay on track for semesters.

Section Abbreviations — Sections of a course have abbreviations that indicate, in a general manner, the format of the course or section.

DIS..........................................................Discussion
IND.........................................................Independent/Directed Studies
LAB........................................................Laboratory
LEC...............................................................Lecture
LET..........................................Lecture Workaround
EXC........................................................Extra Credit
FWK.........................................................Field Work
ROT..............................................................Rotation

Liberal Education Program (LEP) — Liberal Education is an essential part of your undergraduate education at the University of Minnesota. (DLE) or (LE) courses help you investigate the world from new perspectives, learn ways of thinking that will be useful to you in many areas of your life, and grow as an active citizen and lifelong learner. If you are unsure which requirements apply to you, contact your academic adviser. For more information see http://onestop.d.umn.edu/academics/education-requirement/
No Time or Place — When hours and days or the place of meeting are missing, consult the instructor or department offering the course.

Combined Class Sections — Multiple classes are sometimes offered on the same day, same room and same time with the same instructor. These are considered a single class offering although student's academic requirements may differ if the combined classes are of different "levels," such as a 4xxx class that "meets with" a 5xxx class.

Choice of Classes — When class numbers and section numbers precede the hours and days listed you may choose the section in which you wish to enroll (see the first example below). Many courses have a choice of laboratory or discussion sections, but only a single lecture section, in which all students taking the course are automatically registered. This lecture section will have no class number before it, signifying an automatic registration (see example 2, below). If laboratory or discussion sections are distributed under different lecture hour headings (as in example 3, below), then your choice of laboratory or discussion hours determines in which lecture you are automatically registered.

Example 1

31533 001 LEC, 08:00am-09:40am TThS
11533 002 LEC, 09:00am-10:05am MWF
12533 003 LEC, 12:00pm-01:40pm TThS

Example 2

001 LEC, 10:15am-11:20am MWF
81533 002 LAB, 12:00pm-01:40pm M
61533 003 LAB, 12:00pm-01:40pm W

Example 3

001 LEC, 08:00am-09:40am T
41533 002 LAB, 10:00am-11:40am T
21533 003 LAB, 10:00am-11:40am Th
004 LEC, 11:00am-12:40am Th
11533 005 LAB, 02:00pm-03:40pm T
64574 006 LAB, 02:00pm-03:40pm Th
81600 007 LET, 09:00am-09:50am MWF
(stand-alone lecture without lab for courses which usually have a lab)

Grading Option — If either ‘A-F only’ or ‘S-N only’ is printed in the prerequisite statement for a course, you must register in that grading system. If no grading system is listed, you may often register in either A-F or S-N grading. For information on courses offered for S-N grading and any degree or semester limits on credits taken under this system, consult both your own college office and the college offering the course. You may not change your grading option after the second week of classes.

Course Changes — See "UMD Registration Information" http://www.d.umn.edu/courseinfo/, use Class Search for the most current and accurate information.

Looking for additional class search resources? Visit One Stop Student Services http://onestop.d.umn.edu/academics/class-search-resources.
Accounting (ACCT)

2001 Principles of Financial Accounting
(A-F only; Prereq: Minimum 15 credits or college consent)
80709 001 LEC, 11:00-13:30 MTWTh, Labovitz Schi Bus & Econ 129, In Person Term Based; Meets With: 002 ACCT 2001; Lorens Erickson; 3 cr.
80707 002 LEC, 11:00-13:30 MTWTh, Labovitz Schi Bus & Econ 129, In Person Term Based; Meets With: 001 ACCT 2001; Lorens Erickson; 3 cr.

2002 Principles of Managerial Accounting
(A-F only; Prereq: 2001, LSBE student or college consent)
80400 001 LEC, 11:00-13:30 MTWTh, Labovitz Schi Bus & Econ 125, In Person Term Based; Karen Salenle; 3 cr.
80915 002 LEC, Completely Online; Ruwan Adikaram; 3 cr.

3101 Intermediate Accounting I
(A-F only; Prereq: LSBE candidate or non-LSBE accounting minor or college consent)
80717 002 LEC, 8:00-10:30 MTWTh, Labovitz Schi Bus & Econ 229, In Person Term Based; Meets With: 001 ACCT 3101; Charles Reichert; 3 cr.
80719 001 LEC, 8:00-10:30 MTWTh, Labovitz Schi Bus & Econ 229, In Person Term Based; Meets With: 002 ACCT 3101; Charles Reichert; 3 cr.

3201 Cost Accounting
(A-F only; Prereq: LSBE candidate or non-LSBE accounting minor or college consent)
80914 001 LEC, Completely Online; Rodger Brannam; 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 3101.)
81075 001 LEC, Completely Online; Meets With: 002 ACCT 3301; Daniel Hisao; 3 cr.
81088 002 LEC, Completely Online; Meets With: 001 ACCT 3301; Daniel Hisao; 3 cr.

3401 Individual Income Taxation
(A-F only; Prereq: Credit will not be granted if already received for ACCT 3152 or 3152; LSBE candidate or approved non-LSBE accounting minor or college consent)
80566 002 LEC, Completely Online; Meets With: 001 ACCT 3401; Randy Skaberg; 3 cr.
80715 001 LEC, Completely Online; Meets With: 002 ACCT 3401; Randy Skaberg; 3 cr.

3796 Internship in Accounting
(A-F only; Prereq: LSBE Candidate, prior major coursework, consent of Internship Director)
80400 001 FWK, Independent/Directed Study; 2-6 cr.

3991 Independent Study
(A-F only; Prereq: BAC candidate with 60 cr, department consent; credit not available as accounting elective; may take ACCT 3991 and 3991 for a total of 3 credits)
81041 001 IND, Independent/Directed Study; 1-3 cr.

Aerospace Studies (AIR)

American Indian Studies (AMIN)

1606 Introduction to American Indian Literature
(A-F only; Prereq: Credit will not be granted if already received for 1106.CDIVERSITY.HUMANITIES)
80704 001 LEC, Completely Online; Joseph Bauerkemper; 3 cr.

3393 Projects in American Indian Studies
(A-F only; Prereq: instructor consent; maximum 10 credits)
80833 003 IND, Independent/Directed Study; Jill Doerfler; 1-5 cr.
81160 002 IND, Independent/Directed Study; Joseph Bauerkemper; 1-5 cr.
81161 003 IND, Independent/Directed Study; Linda Grover; 1-5 cr.
81162 004 IND, Independent/Directed Study; Tadd Johnson; 1-5 cr.
81163 005 IND, Independent/Directed Study; Erik Redix; 1-5 cr.
81164 006 IND, Independent/Directed Study; Rebecca Webster; 1-5 cr.

Anthropology (ANTH)

1604 Cultural Anthropology
(A-F or Audit; GLOBAL PER,SOC SCI)
81138 001 LEC, Completely Online; Mitra Emad; 4 cr.

Art (ART)

1001 Art Today
(A-F or Audit; FINE ARTS)
81150 001 LEC, Completely Online; Jamie Ratliff; 3 cr.

1003 Introduction to Design
(A-F or Audit; FINE ARTS)
81033 001 LEC, Completely Online; Rob Wittig; 3 cr.

1009 Fundamentals of Drawing
(A-F or Audit; Prereq: Not for art majors or minorsFINE ARTS)
80705 001 LEC, 9:00-11:30 MTWTh, A B Anderson Hall 325, In Person Term Based; Robert Repinski; 3 cr.

4100 Linguistics of American Sign Language
(A-F or Audit; FINE ARTS; Prereq: not for art majors or minorsFINE ARTS)
80709 001 LEC, 9:00-11:20 MTWTh, A B Anderson Hall 155, In Person Term Based; Meets With: 001 ART 1405001 ART 1405001 ART 4675; Gloria DeFilipps Brush; 3 cr.

4791 Individual Study in Drawing
(A-F or Audit; Prereq: 2 semesters ceramics, department consent)
81049 001 IND, In Person Term Based; Elizabeth James; 1-3 cr.

4819 Individual Study in Photography
(A-F or Audit; Prereq: 2 semesters of photography, department consent)
81047 001 IND, In Person Term Based; Gloria DeFilipps Brush; 3 cr.

4875 Photography: The Photographic Book
(A-F only; Prereq: 4600, art major or photography minor or instructor consent)
80416 001 LEC, 12:00-15:25 MTWTh, Cina Hall 16, In Person Term Based; Meets With: 001 ART 2600001 ART 1605001 ART 4675; Gloria DeFilipps Brush; 3 cr.
This information is accurate as of 2017-03-01 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.
2030 Communication Inquiry: Social Scientific Methods (A-F or Audit; Prereq: Comm major, minimum 30 credits)
80763 001 LEC, 13:00-16:15 MTWTH, A B Anderson Hall 445, In Person Term Based; Aaron Boyson; 3 cr.

2101 Foundations of Mass Communication (A-F or Audit; SOC SCI)
80936 001 LEC, Completely Online; Deborah Petersen-Perlman; 3 cr.

3300 Teaching Assistanship in Communication (S-N or Audit; Prereq: Minimum 60 credits, Communication major or minor, instructor consent, may not be applied to elective credit for a Communication major or minor)
81067 001 FWK, In Person Term Based; 1-3 cr.

3310 Research Assistant in Communication (S-N only; Prereq: Instructor consent)
80762 001 FWK, Independent/Directed Study; Ryan Goei; 1-3 cr.

3595 Special Topics: Media Communication (A-F only)
88064 001 LEC, Completely Online; Edward Downs; 3 cr.

3620 Controversy in the Boundary Waters (A-F or Audit; SUSTAIN)
80899 001 LEC, 9:00-12:45 MTWTH, A B Anderson Hall 445, In Person Term Based; Michael Plau; 3 cr.

4394 Directed Research in Communication (A-F only; Prereq: Minimum 60 credits, communication major, instructor consent)
80436 001 IND, 00:00-00:00; ONLINE, Independent/ Directed Study; 1-3 cr.

4399 Directed Projects in Communication (S-N only; Prereq: Minimum 60 credits, communication major, instructor consent; may not be applied to elective credit for communication major or minor; no grad credit)
80345 001 IND, 00:00-00:00; ONLINE, Independent/Directed Study; 1-3 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)
80764 001 LEC, 13:00-16:45 MTWTH, A B Anderson Hall 445, In Person Term Based; David Gore; 3 cr.

5205 Pediatric Dysphagia (A-F or Audit; Prereq: CSD Graduate Student or instructor consent)
80942 001 LEC, 12:00-14:45 MTWTH, Chester Park 122, In Person Term Based; Sharyf Samarkia; 1 cr.

5230 Advanced Applications in Communication Modalities (Student Option; Prereq: CSD grad or instructor consent)
80808 001 LEC, 8:30-10:45 MTWTH, Chester Park 122, In Person Term Based; Mark Micik; 4 cr.

5260 Seminars in Orofacial Disorders (A-F only; Prereq: 3103)
80702 001 LEC, 12:00-14:45 MTWTH, Chester Park 122, In Person Term Based; Dana Collins; 2 cr.

5500 Voice Disorders (A-F or Audit; Prereq: 3103, 3150 or instructor consent)
87939 001 LEC, 8:00-9:15 MTWTH, Chester Park 122, In Person Term Based; Dana Collins; 3 cr.

8211 Professional Issues in Communication Disorders I (A-F or Audit; Prereq: CSD Graduate student or instructor consent)
81126 001 LEC, 12:00-14:45 MTWTH, Chester Park 122, In Person Term Based; Lynette Carlson; 1 cr.

8232 Mgmt of Communication Disorders in Persons with Tracheostomy, Ventilator Dependency, & Laryngectomy (A-F only; Prereq: CSD grad student or instructor consent)
80948 001 LEC, 12:00-14:45 MTWTH, Chester Park 122, In Person Term Based; Dana Collins; 1 cr.

8997 Graduate Practicum in Communication Disorders (A-F or Audit; Prereq: grad student or instructor consent)
80941 003 FWK, Independent/Directed Study; Jill Tschekunow; 1 cr.
81001 001 FWK, Independent/Directed Study; Lynda John; 1 cr.

3996 Internship in Computer Science (S-N or Audit; Prereq: Computer science junior, instructor consent)
80394 001 FWK, 00:00-00:00; ONLINE, Independent/ Directed Study; Timothy Colburn; 1-3 cr.

4991 Independent Study (A-F or Audit; Prereq: CSD grad student or instructor consent)
80395 001 IND, 00:00-00:00; ONLINE, Independent/ Directed Study; Hudson Turner; 1-4 cr.

5991 Independent Study (A-F or Audit; Prereq: instructor consent)
80519 001 IND, 00:00-00:00; ONLINE, Independent/ Directed Study; Hudson Turner; 1-4 cr.

8777 Thesis Credits: Master's (No Grade Associated; Prereq: Max 18 cr per semester or summer; 10 cr total required (Plan A only))
80440 001 FWK, 00:00-00:00; ONLINE, Independent/Directed Study; Hudson Turner; 1-24 cr.

1301 Introduction to Criminology (A-F or Audit; Prereq: credit will not be granted if already received for SOC 1905/SOC SCI)
80831 001 LEC, 00:00-00:00; ONLINE, Completely Online; Jeffrey Maahs; 4 cr.

3336 Crime and the Media (A-F or Audit; Prereq: 30 credits or instructor consent)
88279 001 LEC, Completely Online; Jeffrey Maahs; 3 cr.

3338 Sociology of Gangs (A-F or Audit; Prereq: 30 credits or instructor consent)
80722 001 LEC, 00:00-00:00; ONLINE, Completely Online; Scott Volum; 3 cr.

3355 Criminal Forensic Psychology
### Cultural Entrepreneurship (CUE)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>4097</td>
<td>Internship</td>
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### Early Childhood Studies (ECH)

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<th>Instructor</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>2025</td>
<td>Educating the Human Brain</td>
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</tr>
<tr>
<td>3000</td>
<td>Children in Health Care Settings</td>
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<tr>
<td>3050</td>
<td>Observing Early Relationships in Infants and Toddlers</td>
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### Economics (ECON)

<table>
<thead>
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<th>Course Title</th>
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<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>1003</td>
<td>Economics and Society</td>
<td></td>
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</tr>
<tr>
<td>1022</td>
<td>Principles of Economics: Macro</td>
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<tr>
<td>2030</td>
<td>Applied Statistics for Business and Economics</td>
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<tr>
<td>3022</td>
<td>Intermediate Macroeconomics</td>
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<tr>
<td>3023</td>
<td>Intermediate Microeconomics</td>
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<tr>
<td>3402</td>
<td>Global Economic Issues</td>
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<td></td>
</tr>
<tr>
<td>3910</td>
<td>Economics of Health Care</td>
<td></td>
<td></td>
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<tr>
<td>4397</td>
<td>Economics Internship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4991</td>
<td>Independent Study</td>
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### Electrical Engineering (EE)

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Instructor</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>4896</td>
<td>Co-op in Electrical Engineering</td>
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### Electrical Engineering Management (EMGT)

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<th>Instructor</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>4110</td>
<td>Engineering Professionalism and Practice</td>
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### Education (EDUC)

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<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1101</td>
<td>Education in Modern Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4234</td>
<td>Science, Technology, and Society</td>
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### Education, Secondary (EDSE)

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<thead>
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<th>Course Code</th>
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<th>Instructor</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>4214</td>
<td>Teaching Content-Area Reading</td>
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### Educational Administration (EDAD)

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<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>5911</td>
<td>Leadership and Personal Growth</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5913</td>
<td>Communication and Community Relations</td>
<td></td>
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<tr>
<td>5917</td>
<td>EdAd Technology Seminar</td>
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<tr>
<td>5997</td>
<td>Professional Competency Assessment: Principals</td>
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</tr>
<tr>
<td>5998</td>
<td>Professional Competency Assessment: Superintendent</td>
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<tr>
<td>6997</td>
<td>Internship: Principals</td>
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<tr>
<td>6998</td>
<td>Internship: Superintendents</td>
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### Environment and Sustainability (ES)

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<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3310</td>
<td>Outdoor Leadership Field Experience</td>
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### Environmental Education (ENED)

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>4991</td>
<td>Independent Study</td>
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<tr>
<td>4996</td>
<td>Outdoor Education Internship</td>
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<tr>
<td>4997</td>
<td>Recreation Practicum</td>
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This information is accurate as of 2017-03-01 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
## Schedule

### University of Minnesota - Class Schedule for Duluth Campus Summer, 2017

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>80500 001 FWK</td>
<td>Independent/Directed Study; instructor consent; no grad credit</td>
<td></td>
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</tr>
<tr>
<td>80533 001 LEC</td>
<td>Completely Online; Nik Hassan</td>
<td>3 cr.</td>
<td>8:00-10:50 MTWThF, Sports &amp; Health Center 207, In Person Term Based;</td>
<td></td>
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<tr>
<td>80882 001 FWK</td>
<td>In Person Term Based;</td>
<td>3 cr.</td>
<td>8:00-10:50 MTWThF, Labovitz Schl Bus &amp; Econ 237, Partially Online; Junhua Wang</td>
<td></td>
</tr>
<tr>
<td>81080 001 IND</td>
<td>Independent/Directed Study; 1-6 cr.</td>
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<td></td>
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<tr>
<td>80523 001 LEC</td>
<td>8:00-10:30 MTWTh, Labovitz Schl Bus &amp; Econ 129, In Person Term Based; Manjeet Dhatt</td>
<td>3 cr.</td>
<td></td>
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<tr>
<td>80957 001 LEC</td>
<td>8:00-10:50 MTWThF, Sports &amp; Health Center 207, In Person Term Based; Charles Fontaine</td>
<td>4 cr.</td>
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<tr>
<td>80662 001 LEC</td>
<td>8:00-10:30 MTWTh, Labovitz Schl Bus &amp; Econ 237, Partially Online; Junhua Wang</td>
<td>3 cr.</td>
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<tr>
<td>81187 001 FWK</td>
<td>Independent/Directed Study; 3 cr.</td>
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<tr>
<td>81186 002 FWK</td>
<td>Independent/Directed Study; 3 cr.</td>
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<tr>
<td>81189 003 FWK</td>
<td>Independent/Directed Study; 3 cr.</td>
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<tr>
<td>81096 001 IND</td>
<td>Independent/Directed Study; 1-6 cr.</td>
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<tr>
<td>80602 001 IND</td>
<td>Independent/Directed Study;</td>
<td>3 cr.</td>
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<tr>
<td>8295 FWK</td>
<td>Independent/Directed Study;</td>
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<td>81106 001 IND</td>
<td>In Person Term Based; 1-3 cr.</td>
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<tr>
<td>81000 001 IND</td>
<td>In Person Term Based; 1-6 cr.</td>
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<tr>
<td>87949 001 LAB</td>
<td>8:00-11:20 MTWThF, Sports &amp; Health Center 208, In Person Term Based; June Lee</td>
<td>5 cr.</td>
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<tr>
<td>80388 001 IND</td>
<td>Independent/Directed Study;</td>
<td>1-3 cr.</td>
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<td>80661 003 LEC</td>
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<td>(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.)</td>
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<td>6462 Family Medicine Preceptorship</td>
<td>(P-N only; Prereq: Admitted to an approved study abroad program requires consent from the International Education Office.)</td>
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<td>81236 099</td>
<td>IND</td>
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<td>(No Grade Associated; Prereq: Max 18 cr per semester or summer; 18 cr total required (Plan A only))</td>
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<td>1100 Health and Wellness Strategies for Life</td>
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<td>80594 001 LAB. In Person Term Based; 3 cr.</td>
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<td>1104 Health Science Terminology</td>
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<td>1470 Human Nutrition</td>
<td>(A-F or Audit; NAT SCI)</td>
<td>80593 001 LEC. In Person Term Based; Ambria Pfarr; 3 cr.</td>
<td>81196 002 LEC, In Person Term Based; Ambria Pfarr; 3 cr.</td>
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<td>3101 Community Health</td>
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<td>(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, exercises science and communication sciences and disorders or instructor consent.)</td>
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<td>3500 Environmental Health</td>
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<td>(S or N or Audit; Prereq: Health education major, instructor consent; no grad credit)</td>
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<td>(A-F only; Prereq: 4520, LSBE candidate or approved Health Care Management minor or college consent; no grad credit)</td>
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This information is accurate as of 2017-03-01 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.
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<th>Credits</th>
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Master of Liberal Studies (MLS)

8591 Directed Study
(A-F or Audit; Prereq: MLS candidate or department consent)
80988 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-8 cr.

Mathematics (MATH)

1005 College Algebra
(A-F or Audit; Prereq: Math ACT 21 or higher or SSP 0103 or department consent)
80447 001 LEC, 08:00-10:00 MTWTh, Kathryn A Martin Library 206, In Person Term Based; Laura Zimmermann; 5 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 1297, you will not receive credit for Math 1160.LOGIC & QR)
80929 001 DIS, 9:30-11:30 MTWTh, Kirby Plaza 312, In Person Term Based; Carmen Lattrell; 5 cr.

1200 Precalculus Analysis
(A-F or Audit; Prereq: Math ACT 24 or higher or a grade of at least C- in Math 1005 or department consentLOGIC & QR)
80448 001 DIS, 9:30-11:30 MTWTh, Kathryn A Martin Library 206, In Person Term Based; Kate Niedzialkiewicz; 4 cr.

1296 Calculus I
(A-F or Audit; Prereq: Math ACT 27 or higher or a grade of at least C- in Math 1250 or department consentLOGIC & QR)
80807 001 LEC, 9:30-12:00 MTWTh, Cina Hall 308, In Person Term Based; Joseph Gallian; 5 cr.
80806 002 LEC, 9:30-11:30 MTWTh, Kirby Plaza 312, In Person Term Based; Dalbor Foncette; 5 cr.

1297 Calculus II
(A-F or Audit; Prereq: A grade of at least C- in 1290 or 1296 or 1986LOGIC & QR)
80312 001 DIS, 08:00-10:00 MTWTh, Cina Hall 224, In Person Term Based; Chad Pierson; 5 cr.
80987 002 DIS, 08:00-10:00 MTWTh, Kirby Plaza 385, In Person Term Based; Tom Sjoberg; 5 cr.

3280 Differential Equations with Linear Algebra
(A-F or Audit; Prereq: A grade of at least C- in 1290 or 1296 or 1986LOGIC & QR)
80341 001 LEC, 9:30-11:30 MTW, Sotom Campus Center 21, In Person Term Based; Diana Colt; 4 cr.
80469 002 LAB, 9:30-11:30 Th, Montague Hall 209, In Person Term Based; 4 cr.
81152 003 LEC, 9:30-11:30 MTWTh, Cina Hall 308, In Person Term Based; Aaron Shepanik; 4 cr.
81151 005 LAB, 9:30-11:30 F, Montague Hall 209, In Person Term Based; 4 cr.

3298 Calculus III
(A-F or Audit; Prereq: A grade of at least C- in 1290 or 1296 or 1986LOGIC & QR)
80609 001 LEC, 9:30-11:30 MTWTh, Cina Hall 106, In Person Term Based; Eric Eriemann; 4 cr.
80619 002 LAB, 9:30-11:30 F, Kirby Plaza 143, In Person Term Based; 4 cr.

Mechanical Engineering (ME)

2226 Dynamics
(A-F or Audit; Prereq: CE 2017 and Math 3280 (concurrent registration allowed))
87982 001 LEC, 13:00-15:30 MTWTh, Kirby Plaza 312, In Person Term Based; Venkata Gireesh Menta; 3 cr.
80101 Fundamentals of Machining and Manufacturing
(A-F or Audit; Prereq: ENGR 1222, ME 2105, BMSE or BSIE candidate)
80108 001 LAB, 9:00-16:00 MTWThF, Voss-Kovach Hall 115, In Person Term Based; Tarek Al-Geddawy; 3 cr.
4196 Cooperative Education (A-F or Audit; Prereq: BMSE candidate, instructor consent, no grad credit)
80554 001 FWK, 00:00-00:00 , , Independent/Directed Study; 1 cr.
1417 Mechanical Engineering Internship (A-F or Audit)
87997 001 IND, Independent/Directed Study; 1 cr.
4296 Cooperative Education II (A-F or Audit; Prereq: 4196; no grad credit)
80883 001 FWK, 00:00-00:00 , , Independent/Directed Study; 2 cr.
4297 Mechanical Engineering Internship (A-F or Audit)
87997 001 IND, Independent/Directed Study; 2 cr.
4491 Independent Study in Mechanical Engineering
(Student Option; Prereq: Senior standing in engineering discipline, instructor consent)
80552 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.
80986 002 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.
5991 Independent Study in Mechanical Engineering
(Student Option; Prereq: MSEM candidate, department consent)
80553 001 IND, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

Multi-Instr Cross Registration (MULT)

1 Multi-Institution Cross Registration (No Grade Associated; )
80307 001 LEC, 00:00-00:00 , , In Person Term Based; 0 cr.

Music (MU)

1001 Introduction to Music
(Student Option; Prereq: Not for music majors or minorsFINE ARTS,GLOBAL PER)
80813 001 LEC, Completely Online; Justin Rubin; 3 cr.
1004 Music in Film
(A-F or Audit; FINE ARTS)
80827 001 LEC, Completely Online; Jefferson Campbell; 3 cr.
1312 Voice-Non Major
(A-F or Audit; Prereq: Non-music major or music major secondary instrument; may be repeated)
80816 001 LAB, In Person Term Based; 1 cr.
1396 Jazz Guitar - Non-Major
(A-F or Audit; Prereq: Non-music major or music major secondary instrument)
81012 001 LAB, In Person Term Based; 1 cr.
1398 Pop Styles Guitar- Non Major
(A-F only; Prereq: Non-music major or music major secondary instrument)
80815 001 LAB, In Person Term Based; 1 cr.
3600 Music in the Elementary Classroom
(A-F or Audit; Prereq: Successful completion of IES 1010; credit will not be granted if already received for MU 1601 and 3601)
80984 001 LEC, 9:00-11:40 MTWTh, Humanities Building 170, In Person Term Based; David Edmund; 3 cr.
4312 Voice - Non-Major
(A-F or Audit; Prereq: Non-Music major or music major secondary instrument)
88498 001 LAB, In Person Term Based; 1 cr.

Ojibwe Education (OJED)

Pharmacy (PHAR)

1001 Orientation to Pharmacy
(Student Option; )
80753 001 IND, Completely Online; 2 cr.
1002 Medical Terminology
(Student Option; )
80754 001 IND, Completely Online; 2 cr.
1003 Non-Prescription Medications and Self-Care: Treating Minor Conditions
(Student Option; )
80755 001 IND, Completely Online; 2 cr.
1004 Common Prescription Drugs and Diseases
(Student Option; )
80756 001 IND, Completely Online; 2 cr.
1006 Orientation to Health Literacy and Communication
(A-F only; )
80603 001 IND, Completely Online; 2 cr.
3206 Issues in Health Literacy and Communication
(A-F only; SOC SCI)
80902 001 IND, Completely Online; 3 cr.
7217 Elective Practice Experience V
(A-F or Audit; Prereq: Pharm.D. 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)
80603 001 FWK, In Person Term Based: 4 cr.

7325 Introductory Community-Practice Pharmacy Experience
(S-N only; Prereq: College of Pharmacy students must complete PHAR 6700 (Becoming a Pharmacist), PHAR 6706 (Foundational Care), PHAR 6716 (Applied Pharmaceutical Care), PHAR 6726 (Pharmacoeconomic Calculations), PHAR 6710 (Pharmaceutical Care Skills Lab 1), PHAR 6720 (Pharmaceutical Care Skills Lab 2), PHAR 6740 (Pharmaceutical Care Skills III), PHAR 7642 (Colloquium I: Scholarly Presentation Skills), and Spring PD2 courses. Students must also be registered interns in the state of Minnesota.)
80111 001 ROT, In Person Term Based: Caillin Frail, Jason Varin; 3 cr.

7345 Introductory Institutional-Practice Pharmacy Experience
(S-N only; Prereq: In addition to the requirements to have completed the community IPPE course, students must have successfully completed PHAR 6730 (Professional Development and Assessment II), PHAR 6736 (Cardiovascular Pharmacotherapy), PHAR 6738 (Pharmacokinetics), PHAR 6740 (Pharmaceutical Care Skills III), PHAR 6742 (Colloquium I: Scholarly Presentation Skills), and Spring PD2 courses. Students must also be registered interns in the state of Minnesota.)
80012 001 IND, In Person Term Based: Heather Blue, Christine Jolowsky; 3 cr.

7001 Introduction to Philosophy
(A-F or Audit; Humanities)
80721 001 LEC, Completely Online; Robert Schroer; 3 cr.

1002 Ethics and Society
(A-F or Audit; Prereq: credit will not be granted if already received for PHI 1011.DIVERSITY/ETHICS)
87954 001 LEC, In Person Term Based; Alexis Elder; 3 cr.

1001 Introduction to Physics I
(A-F or Audit; Physical Sciences)
80477 001 LEC, 8:00-9:50 MWF, M W Awlhorn Hall 195, In Person Term Based; Darrin Johnson; 0 cr. 80478 002 LAB, 10:00-11:50 TTHF, M W Awlhorn Hall 275, In Person Term Based; Darrin Johnson; 5 cr.

2013 General Physics I
(A-F or Audit; Prereq: previous or concurrent registration in PHYS 2014. Prerequisite of Math 1290 or 1296; credit will not be granted if already received for PHYS 1201 or 2012.1 NAT SCI)
80772 001 LEC, 10:00-11:50 MWF, M W Awlhorn Hall 347, In Person Term Based; Jacob Wainman; 0 cr. 80925 002 DIS, 10:00-11:50 W, M W Awlhorn Hall 397, In Person Term Based; Jacob Wainman; 4 cr.

2014 General Physics Lab I
(A-F or Audit; Prereq: previous or concurrent enrollment in PHYS 2014. Prerequisite of Math 1290 or 1296; credit will not be granted if already received for PHYS 1201 or 2012.1 NAT SCI)
80773 001 LAB, 12:00-13:50 TTH, M W Awlhorn Hall 277, In Person Term Based; Jacob Wainman; 1 cr.

2015 General Physics II
(A-F or Audit; Prereq: previous or concurrent registration in 2016. Prerequisite of Math 1297 or 1298; credit will not be granted if already received for PHYS 1202, 1202A or 2012.)
80942 001 LEC, 10:00-11:50 MTThF, M W Awlhorn Hall 347, In Person Term Based; Bill Wolz; 5 cr. 80926 002 DIS, 10:00-11:50 W, M W Awlhorn Hall 397, In Person Term Based; Bill Wolz; 4 cr.

2016 General Physics Lab II
(A-F or Audit; Prereq: previous or concurrent enrollment in PHYS 2015 or 2016.)
80843 001 LAB, 12:00-13:50 TTH, M W Awlhorn Hall 241, In Person Term Based; Bill Wolz; 1 cr.

3094 Physics Research (S-N or Audit; Prereq: department consent)
80491 001 IND, 00:00-00:00 , Independent/Directed Study; 1-6 cr.

5594 Physics Research (S-N or Audit; Prereq: instructor consent)
80435 001 IND, 00:00-00:00 , Independent/Directed Study; 1-3 cr.

8333 FTE: Master's
(No Grade Associated; Prereq: Master's student, adviser and DGS consent)
80419 001 IND, Independent/Directed Study; 1 cr. 80466 002 IND, 00:00-00:00 , Independent/Directed Study; 1 cr.
1011 American Government and Politics (A-F or Audit; SOC SCI) 81136 001 LEC, Completely Online; Geoff Sheagle ; 3 cr.

3201 Social Psychology (A-F or Audit; Prereq: 1003 or instructor consent) 80839 050 LEC, Completely Online; Nick LaCaille ; 4 cr.

3211 Psychology of Drug Use (A-F or Audit; Prereq: 1003 or instructor consent) 80866 050 LEC; Complete ly Online; Paul Sharp ; 4 cr.

3520 Introduction to Industrial/Organizational Psychology (A-F or Audit; Prereq: 1003 or instructor consent) 80696 050 LEC, Completely Online; Alexandra Ligon ; 4 cr.

3524 Basic Helping Skills (A-F or Audit) 80911 050 LEC, Completely Online; Christine Schilling ; 4 cr.

3611 Learning and Behavior (A-F or Audit; Prereq: 1003 or instructor consent) 81000 050 LEC, Completely Online; Julie Slowik ; 4 cr.

3621 Cognition (A-F or Audit; Prereq: 1003 or instructor consent) 80825 050 LEC, Completely Online; Keith Young ; 4 cr.

3697 Sensation and Perception (A-F or Audit) 80999 050 LEC, Completely Online; Eric Hessler ; 4 cr.

8020 Statistical Methods (A-F or Audit; GLOBAL PER) 80824 002 FWK, 00:00-00:00 , , Independent/Directed Study; 1-4 cr.

Social Work (SW)

1000 Introduction to Social Welfare (A-F or Audit; SOC SCI) 81062 050 LEC, Completely Online; Leah Cleeland ; 3 cr.

1210 Global Issues (A-F or Audit; GLOBAL PER;SOC SCI) 81143 050 LEC, Completely Online; Sandra van den Bosse ; 3 cr.

1619 Race, Class, and Gender in the United States (A-F or Audit; CDIVERSITY;SOC SCI) 81145 050 LEC, Completely Online; Shawyn Lee ; 3 cr.

4215 Trauma Informed Practice with Children and Adolescents (A-F or Audit; Prereq: SW Grant student or instructor consent) 81206 050 DIS, Completely Online; Meets With: 050 SW 5215; Leah Cleeland ; 2 cr.

4222 Intervention in Family Violence (A-F or Audit) 81207 030 LEC, 9:30-12:00 TTh, Bohannon Hall 112, Partially Online; Meets With: 030 SW 5222; Sandra van den Bosse ; 2 cr.

4280 Substance Use trends and Interventions in Social Work (Student Option; SOC SCI) 81146 050 LEC, Lake Dziengel ; 3 cr.

5091 Independent Study (Student Option; Pre req; instructor consent) 80867 001 IND, Independent/Directed Study; 1-4 cr.

5096 Special Project (S-N or Audit; Pre req; instructor consent) 80641 001 FWK, Independent/Directed Study; 1-4 cr.

Sociology (SOC)

1060 Development of Social Selves (A-F or Audit; SOC SCI) 87967 001 LEC, Completely Online; Janelle Wilson ; 3 cr.

4597 Internship (S-N only; Prereq: Internship coordinator consent, sociology or criminology major, 4587, WRIT 31xx; no grad credit) 80951 001 FWK, 11:00-11:50 T, Montague Hall 202, 11:50-11:50 T, Montague Hall 203, Independent/Directed Study; Robert Weidner ; 8 cr.
999 Adult Active Status
(No Grade Associated; Prereq: Department consent)
81120 099 IND, In Person Term Based: 0 cr.
81235 099 IND, In Person Term Based: 0 cr.

Urban and Regional Studies (URS)
3097 Internship in Urban and Regional Studies
(S-N only; Prereq: URS major, jr or sr, instructor consent)
80406 002 FWK, 00:00-00:00 , , Independent/Directed Study;
Adam Pine ; 1-6 cr.  
80527 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)
80497 002 IND, 00:00-00:00 , , Independent/Directed Study;
Adam Pine ; 1-4 cr.  
80528 001 IND, 00:00-00:00 , , Independent/Directed Study;
Adam Pine ; 1-4 cr.  

Water Resources Science (WRS)
8060 Directed Studies in Water Resources Science
(A-F or Audit; Prereq: instructor consent)
81020 001 IND. In Person Term Based: 1-3 cr.  
8333 FTE: Master’s
(No Grade Associated; Prereq: Master’s student, adviser and DGS consent)
80461 001 IND. 00:00-00:00 , , Independent/Directed Study;
1 cr.  
8444 FTE: Doctoral
(No Grade Associated; Prereq: Doctoral student, adviser and DGS consent)
80462 001 IND. 00:00-00:00 , , Independent/Directed Study;
1 cr.  
8666 Doctoral Pre-Thesis Credits
(No Grade Associated; Prereq: Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))
80524 001 IND. 00:00-00:00 , , Independent/Directed Study;
1-6 cr.  
7777 Thesis Credits: Master’s
(No Grade Associated; Prereq: Max 18 cr per semester or summer; 10 or 12 total required (Plan A only))
80463 001 IND. 00:00-00:00 , , Independent/Directed Study;
1-18 cr.  
8888 Thesis Credits: Doctoral
(No Grade Associated; Prereq: Max 18 cr per semester or summer; 24 cr or required)
80462 001 IND. 00:00-00:00 , , Independent/Directed Study;
1-24 cr.  

Women’s Studies (WS)
3891 Independent Study
(A-F or Audit; Prereq: 1000 or 2101, instructor consent)
80471 001 IND. 00:00-00:00 , , Independent/Directed Study;
Sheryl Grana ; 1-3 cr.  
80472 001 IND. 00:00-00:00 , , Independent/Directed Study;
Sheryl Grana ; 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)
80460 001 FWK, 00:00-00:00 , , Independent/Directed Study;
Sheryl Grana ; 1-9 cr.  
80470 001 FWK, 00:00-00:00 , , Independent/Directed Study;
Sheryl Grana ; 1-9 cr.  

Writing Studies (WRIT)
1120 College Writing
(A-F or Audit; Prereq: Students speaking English as a second language must have TOEFL score of 500 or credit will not be granted if already received for COMP 1120WRITING)
81070 001 IND. 00:00-00:00 , ONLINE, Completely Online;
Whitney Walters ; 3 cr.  
81105 002 LAB. 00:00-00:00 , ONLINE, Completely Online;
Whitney Walters ; 3 cr.  
3110 Advanced Writing: Arts and Letters
(A-F or Audit; Prereq: WRIT 1120 or MNTC completed and minimum 60 credits)
80633 001 IND, Completely Online; Lisa Horton ; 3 cr.  
3121 Advanced Writing: Business and Organizations
(A-F or Audit; Prereq: WRIT 1120 or MNTC completed and minimum 60 credits)
80856 001 IND, 00:00-00:00 , ONLINE, Completely Online;
Katie Groves ; 3 cr.  
81182 001 IND, Completely Online; Susan Penala-Dewey ; 3 cr.  
3130 Advanced Writing: Engineering
(A-F or Audit; Prereq: WRIT 1120 or MNTC completed and minimum 60 credits)
80836 001 IND. 00:00-00:00 , ONLINE, Completely Online;
Kenneth Rielson ; 3 cr.  
80837 002 IND. 00:00-00:00 , ONLINE, Completely Online;
Chris Godsey ; 3 cr.  
80834 002 IND, 00:00-00:00 , ONLINE, Completely Online;
Robin Fuller ; 3 cr.  
80839 003 IND, 00:00-00:00 , ONLINE, Completely Online;
Kendra Carlson ; 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)
80635 001 IND. 00:00-00:00 , ONLINE, Completely Online;
Amy Clark ; 3 cr.  
81073 003 IND. 00:00-00:00 , ONLINE, Completely Online;
David Beard ; 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)
80636 001 IND. 00:00-00:00 , ONLINE, Completely Online;
William Salmon ; 3 cr.  
80841 002 IND. 00:00-00:00 , ONLINE, Completely Online;
Brenda Palokangas ; 3 cr.  
4197 Internship in Writing
(S-N only; Prereq: instructor consent, no grad credit)
80687 001 FWK, Independent/Directed Study; Chongwon Park ; 1-3 cr.  
4591 Independent Study
(A-F or Audit; Prereq: instructor consent, no grad credit)
80689 001 IND, Independent/Directed Study; 1-3 cr.  
81192 002 IND, Independent/Directed Study; 1-3 cr.  
5187 Internship in Writing
(S-N only; Prereq: instructor consent, Coll Grad or Grad student)
80637 001 FWK, Independent/Directed Study; Chongwon Park ; 1-3 cr.  
5591 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)
80638 001 IND, Independent/Directed Study; 1-3 cr.  
81193 002 IND, Independent/Directed Study; 1-3 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)
80639 001 IND, Independent/Directed Study; 1-3 cr.  
81194 002 IND, Independent/Directed Study; 1-3 cr.  

This information is accurate as of 2017-03-01 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.