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. When no departmental designation precedes the course number listed as a prerequisite (e.g., “prereq 3221”), that course is in the same department as the course being offered. Like-wise, a prerequisite reading “6 cr” means 6 credits in courses offered by the same department. See your college or department for further information. Departments and colleges may use the registration system to help place certain categories of qualified students into courses or sections on a priority basis (seniors, majors, etc.). If you meet all stated prerequisites for the course, including class standing, you may also need to meet other qualifications established at the time of registration. For this reason, it is helpful to think about first and second course choices.

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 Workaroud
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://d.umn.edu/onestop/degree-planning/lib-eds/
No Time or Place — When hours and days or the place of meeting are missing, consult the instructor or department offering the course.

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 "Class Search" under Registration Information here: http://www.d.umn.edu/courseinfo/ for the most current and accurate information.
### Accounting (ACCT)

- **2001 Principles of Financial Accounting**
  - A/F only; Prereq: Minimum 15 credits or college consent
  - 08071 002 LEC, 11:00-13:30 MTWTh, In Person Term Based; Meets With: 001 ACCT 2001; Loren Erickson; 3 cr.
  - 08071 001 LEC, 11:00-13:30 MTWTh, In Person Term Based; Meets With: 002 ACCT 2001; Loren Erickson; 3 cr.

- **2002 Principles of Managerial Accounting**
  - A/F only; Prereq: 2001, LSB student or college consent
  - 08090 010 LEC, Completely Online; Online; 3 cr.

- **3001 Technology Tools in Accounting**
  - A/F only; Prereq: LSB student or college consent
  - 08102 001 LEC, In Person Term Based; 3 cr.

- **3101 Intermediate Accounting I**
  - A/F only; Prereq: LSB student or college consent or non-LSBE accounting minor or college consent
  - 08070 002 LEC, 8:00-10:30 MTWTh, In Person Term Based; Meets With: 001 ACCT 3101; Charles Rechert; 3 cr.

- **3102 Intermediate Accounting II**
  - A/F only; Prereq: A grade of C or better in 3101, LSB student or college consent or non-LSBE accounting minor or college consent
  - 08103 002 LEC, In Person Term Based; 3 cr.

- **3201 Cost Accounting**
  - A/F only; Prereq: LSB student or college consent or non-LSBE accounting minor or college consent
  - 08090 001 LEC, In Person Term Based; 3 cr.

- **3301 Accounting Information Systems**
  - A/F only; Prereq: LSB student or college consent or non-LSBE accounting minor or college consent; credit will not be granted if already received for 3101.
  - 08104 002 LEC, Completely Online; Meets With: 001 ACCT 3301; Daniel Hiaso; 3 cr.

- **3401 Individual Income Taxation**
  - A/F only; Prereq: Credit will not be granted if already received for ACCT 3192 or 4152; LSB student or college consent or approved non-LSBE accounting minor or college consent
  - 08057 002 LEC, Completely Online; Meets With: 001 ACCT 3401; Randy Skalberg; 3 cr.

- **3796 Internship in Accounting**
  - S-N only; Prereq: 3101, department consent; repeatable for a max of 6 credits; 3 repeats allowed; max 2 credits may be applied to Active Learning Experience.
  - 08471 001 FWK, 00:00-00:00 , Independent/Directed Study; Randy Skalberg; 2-6 cr.

- **3991 Independent Study**
  - A/F only; Prereq: BAC student with 80 cr., department consent; credit not available as accounting elective; may take ACCT 3991 and 3991 for a total of 3 credits.
  - 08392 001 IND, 00:00-00:00 , Independent/Directed Study; Randy Skalberg; 1-3 cr.

- **4101 Auditing**
  - A/F only; Prereq: 3102, 3110 or 3301, LSB student or college consent or approved non-LSBE accounting minor or college consent; credit will not be granted if already received for 4101.
  - 08105 001 LEC, In Person Term Based; 3 cr.

- **4501 Advanced Accounting**
  - A/F only; Prereq: 3102, LSB student or college consent or approved non-LSBE accounting minor or college consent
  - 08106 001 LEC, In Person Term Based; 3 cr.

### Aerospace Studies (AIR)

- **1000 AFROTC GMC Lead Lab**
  - (S-N or Audit)
  - 08043 001 LAB, 00:00-00:00 , In Person Term Based; 1 cr.

### American Indian Studies (AMIN)

- **1606 Introduction to American Indian Literature**
  - A/F only; Prereq: Credit will not be granted if already received for 1106.
  - 08074 001 LEC, Completely Online; Joseph Banukeni; 3 cr.

- **3393 Projects in American Indian Studies**
  - A/F only; Prereq: Minimum 30 credits, instructor consent; maximum 10 credits between AMIN 3300 and 3393.
  - 08790 002 IND, In Person Term Based; 1-5 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.
  - 08038 005 LEC, Completely Online; , 3 cr.

### Anthropology (ANTH)

- **1604 Cultural Anthropology**
  - 08746 001 LEC, Completely Online; Mitra Esmail; 4 cr.

### Art (ART)

- **1001 Art Today**
  - A/F or Audit; 08792 001 LEC, Completely Online; Jamie Ratliff; 3 cr.

- **1002 Introduction to Art**
  - A/F or Audit; Prereq: Not for art majors or minors except those in art history.
  - 08071 001 LEC, 9:00-11:30 MTWTh, Humanities Building 331, In Person Term Based; Meets With: 001 ART 1011; Faith Benzer; 3 cr.

### Artistic Design (ARTI)

- **1003 Introduction to Design**
  - A/F or Audit; 81028 001 LEC, Completely Online; Rob Wittig; 3 cr.

### Artistic Design (ARTI)

- **1004 Sustainable Visual Culture Practices**
  - A/F or Audit; 87891 001 DIS, Completely Online; Cecilia Ramon; 3 cr.

### Artistic Design (ARTI)

- **1009 Fundamentals of Drawing**
  - A/F or Audit; Prereq: Not for art majors or minors
  - 08097 001 LEC, 9:00-11:20 MTWTh, In Person Term Based; Meets With: 001 ART 1001; ART 3700001 ART 4700; Robert Repinski; 3 cr.

### Artistic Design (ARTI)

- **1010 Drawing I**
  - A/F or Audit; Prereq: Art or art education major or art minor or architecture and design minor or instructor consent
  - 08098 001 LEC, 9:00-11:20 MTWTh, In Person Term Based; Meets With: 001 ART 1009001 ART 3700001 ART 4700; Robert Repinski; 3 cr.

### Artistic Design (ARTI)

- **1011 2-D Design**
  - A/F or Audit; Prereq: Art or art education major or pre GDM BFA or pre GDM BFA or pre MGD BBA or pre MGDB or MGD BBA or art minor or instructor consent
  - 08082 001 LEC, 9:00-11:30 MTWTh, Humanities Building 331, In Person Term Based; Meets With: 001 ART 1002; Faith Benzer; 3 cr.

### Artistic Design (ARTI)

- **1013 2-D Digital Design**
  - A/F or Audit; Prereq: Art or art education major or pre GDM BFA or pre GDM BFA or pre MGD BBA or pre MGDB or MGD BBA or art minor or photography minor or arts in media minor or instructor consent. Laptop required; digital instruction presented only on the Mac platform.
  - 81027 001 LEC, In Person Term Based; 3 cr.

### Artistic Design (ARTI)

- **1306 Fundamentals of Screenprinting**
  - A/F or Audit; Prereq: Not for Art majors or minor
  - 1306 001 LEC, 9:00-11:20 MTWTh, Humanities Building 332, In Person Term Based; Meets With: 001 ART 2303; Darren Housser; 3 cr.

### Artistic Design (ARTI)

- **1405 Fundamentals of Ceramics I**
  - A/F or Audit; Prereq: Not for art majors or minors
  - 1405 001 LEC, In Person Term Based; 1 cr.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3500 Jewelry and Metals II</td>
<td>Art or Photography minor or instructor consent</td>
<td>Darren Houser</td>
<td>3 cr.</td>
<td>12:00-14:30</td>
<td>A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 3100001 ART 4100; Jennifer Dietrich; 3 cr.</td>
</tr>
<tr>
<td>3010 Painting I</td>
<td>Art or Photography minor or instructor consent</td>
<td>Eun-Kyung Suh</td>
<td>1-3 cr.</td>
<td>12:00-14:30</td>
<td>A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 2400001 ART 3400001 ART 4600000 ART 4675; Gloria DeFilipps Brush; 3 cr.</td>
</tr>
<tr>
<td>3100 Painting II</td>
<td>Art or Photography minor or instructor consent</td>
<td>Eun-Kyung Suh</td>
<td>1-3 cr.</td>
<td>12:00-14:30</td>
<td>A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 2100001 ART 4100; Jennifer Dietrich; 3 cr.</td>
</tr>
<tr>
<td>4000 Photography: Digital Portfolio</td>
<td>Art or Photography minor or instructor consent</td>
<td>Eun-Kyung Suh</td>
<td>1-3 cr.</td>
<td>12:00-14:30</td>
<td>A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 2400001 ART 3400001 ART 4600000 ART 4675; Gloria DeFilipps Brush; 3 cr.</td>
</tr>
<tr>
<td>4101 Painting I</td>
<td>Art or Photography minor or instructor consent</td>
<td>Eun-Kyung Suh</td>
<td>1-3 cr.</td>
<td>12:00-14:30</td>
<td>A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 2100001 ART 4100; Jennifer Dietrich; 3 cr.</td>
</tr>
<tr>
<td>4101 Painting II</td>
<td>Art or Photography minor or instructor consent</td>
<td>Eun-Kyung Suh</td>
<td>1-3 cr.</td>
<td>12:00-14:30</td>
<td>A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 2100001 ART 4100; Jennifer Dietrich; 3 cr.</td>
</tr>
<tr>
<td>4700 Drawing I</td>
<td>Art or Photography minor or instructor consent</td>
<td>Eun-Kyung Suh</td>
<td>1-3 cr.</td>
<td>12:00-14:30</td>
<td>A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 2100001 ART 4100; Jennifer Dietrich; 3 cr.</td>
</tr>
<tr>
<td>4700 Drawing II</td>
<td>Art or Photography minor or instructor consent</td>
<td>Eun-Kyung Suh</td>
<td>1-3 cr.</td>
<td>12:00-14:30</td>
<td>A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 2100001 ART 4100; Jennifer Dietrich; 3 cr.</td>
</tr>
<tr>
<td>4791 Individual Study in Drawing</td>
<td>Art or Photography minor or instructor consent</td>
<td>Eun-Kyung Suh</td>
<td>1-3 cr.</td>
<td>12:00-14:30</td>
<td>A B Anderson Hall 135, In Person Term Based; Meets With: 001 ART 2100001 ART 4100; Jennifer Dietrich; 3 cr.</td>
</tr>
</tbody>
</table>
Preliminary Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.

80446 002 IND, In Person Term Based; 1-18 cr.
8777 Thesis Credits: Master's
8333 FTE: Master's
80889 001 LAB, In Person Term Based; 4 cr.
80794 002 LAB, In Person Term Based; 3 cr.
80475 002 LAB, 14:00-15:50 MTWTh, In Person Term Based; John Dahl; 4 cr.
4501 General Microbiology
80613 002 LAB, In Person Term Based; 3 cr.
80794 001 LEC, In Person Term Based; 3 cr.
4361 Developmental Biology
80965 001 LEC, 00:00-00:00, Completely Online; Shee Wong; 1 cr.
80376 001 LEC, 8:00-10:30 MTWTh, In Person Term Based; John Dahl; 4 cr.
3010 Internship Preparation
4211 Chemical Engineering Laboratory II (A-F or Audit; Prereq: CHEM 3196 and department consent; no grad credit)
3894 Chemical Engineering Research (Student Option; Prereq: BSChE candidate, maximum 6 credits, instructor consent)
3935 Strategic Career Planning (A-F or Audit; Prereq: Minimum 45 credits or instructor consent)
38058 001 IND, 00:00-00:00, Independent/Directed Study; Keith Lodge; 1 cr.
8865 001 LEC, 11:00-16:00 MTWTh, In Person Term Based; Meets With: 001 CHE 3211; Michael Rother; 3 cr.
3535 Strategic Career Planning (A-F or Audit; Prereq: Minimum 45 credits or instructor consent)
80892 002 LEC, Completely Online; 3 cr.
80893 003 LEC, Completely Online; Janet Pribyl; 3 cr.
80894 004 LEC, Completely Online; Katherine O'Sullivan; 3 cr.
80891 001 LEC, Completely Online; 3 cr.
4010 Job Search and Career Success (A-F or Audit; Prereq: minimum 90 credits; WRT 31xx or FMIS 31410 instructor permission; no grad credit)
81051 001 LEC, Completely Online; 1 cr.

Chemical Engineering (CHE)
2111 Material and Energy Balances (Student Option; Prereq: Chem 1151 or 1161 or 1154, Math 1296 or 1296 and 1154, Chemical minimum grade of C)
80979 001 LEC, In Person Term Based; 3 cr.
3031 Computational Methods in Chemical Engineering (A-F or Audit; Prereq: 2111, Math 3280, (prereq or coreq CS 1121))
80971 001 LEC, 9:30-12:00 MTWTh, In Person Term Based; Richard Davis; 3 cr.
3196 Cooperative Education I (A-F or Audit; Prereq: BSChE cand, department consent)
80878 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, 3112, instructor consent)
80968 001 LAB, 11:00-16:00 MTWTh, In Person Term Based; Meets With: 001 CHE 4211; Michael Rother; 3 cr.
3296 Cooperative Education II (A-F or Audit; Prereq: BSChE candidate, CHE 3196 and department consent)
80979 001 FWK, 00:00-00:00, , Independent/Directed Study; Richard Davis; 2 cr.
3311 Transport Processes:Unit Operations of Fluid Flow and Heat Transfer (A-F or Audit; Prereq: BSChE candidate, CHE 2121 pre or co req, PHYS 2011 or 2013 and 2014 or 2017 and 2011, MATH 2389, instructor consent. Credit will not be granted if already received for CHE 3111 or CHE 3112 and ME 4112 or ME 4113 or EC 3221)
81060 001 LEC, In Person Term Based; 5 cr.
3791 Independent Study (Student Option; Prereq: BSChE cand, department consent)
80644 001 IND, 00:00-00:00, , Completely Online; Shee Wong; 2 cr.
2222 Quantitative Analysis (A-F or Audit; Prereq: 1152 or 1162 or 1156 and 1157 or 1175 and 1176, concurrent registration in 2223 is strongly recommended; for credit will not be granted if already received for 2212 or 2242)
80401 001 LEC, 8:00-10:10 MWF, Chemistry Building 251, In Person Term Based; Kate Swanson Kallevig; 3 cr.
2223 Quantitative Analysis Laboratory (A-F or Audit; Prereq: 1152 or 1162 or 1156 and 1157 or 1175 and 1176; concurrent registration in 2222 is required; credit will not be granted if already received for 2212 or 2242)
80808 003 LAB, 14:00-16:00 MTWTh, Chemistry Building 232, In Person Term Based; Kate Swanson Kallevig; 1 cr.
80644 001 LAB, 8:00-10:10 MWF, Chemistry Building 232, In Person Term Based; Kate Swanson Kallevig; 1 cr.
80480 002 LAB, 11:00-13:30 MTWTh, Chemistry Building 232, In Person Term Based; Kate Swanson Kallevig; 1 cr.
2242 Analytical Chemistry and the Environment in Poland (A-F or Audit; Prereq: 1152 or 1162 or 1156 and 1157 or 1175 and 1176; credit will not be granted if already received for 2222, 2232)
80536 178 LAB, In Person Term Based; 4 cr.
2541 Organic Chemistry I (A-F or Audit; Prereq: 1152 or 1162 or 1156 and 1157 or 1175 and 1176; credit will not be granted if already received for 2232)
80601 001 LEC, 9:00-11:10 MWF, Chemistry Building 150, In Person Term Based; Peter Grundt; 3 cr.
2542 Organic Chemistry II (A-F or Audit; Prereq; 2521 or 2541; credit will not be granted if already received for 2522, 2523)
80605 001 LEC, 8:00-10:10 MWF, Life Sciences Blvd Bldg 175, In Person Term Based; Peter Grundt; 3 cr.
2541 Organic Chemistry I (A-F or Audit; Prereq: 1152 or 1162 or 1156 and 1157 or 1175 and 1176; credit will not be granted if already received for 2232)

This information is accurate as of 11/4/2015 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.
PRELIMINARY

University of Minnesota - Class Schedule for Duluth Campus Summer 2016

2543 Organic Chemistry I Laboratory
(A-F or Audit; Prereq: 1152 or 1155 or 1156 and 1175 and 1176, must be taken after or concurrently with CHEM 2541; credit will not be granted if already received for 2521, CHE 2331, ENGR 2110)

5991 Graduate Independent Study in Civil Engineering
(A-F or Audit; Prereq: CE MEng candidate, instructor consent)

3535 Intercultural Communication
(Student Option; Prereq: credit will not be granted if already received for 2926)

3560 Video Game Entertainment
(A-F or Audit; )

3620 Controversy in the Boundary Waters
(A-F or Audit; )

4394 Directed Research in Communication
(A-F only; Prereq: Minimum 60 credits, communication major; instructor consent; may not be applied to elective credit for communication major or minor; no grad credit)

4399 Directed Projects in Communication
(S-N only; Prereq: Minimum 60 credits, communication major, instructor consent; communication major or minor; no grad credit)

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)

5112 Public Speaking
(A-F or Audit; )

2030 Communication Inquiry: Social Scientific Methods
(A-F or Audit; Prereq: Comm major, minimum 30 credits)

3211 Communication and Technology in the Information Age
(A-F or Audit; )

3300 Teaching Assistantship 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)

3570 Off campus Professional Practicum in Communication Sciences and Disorders
(A-F or Audit; Prereq: CSD candidate, G grade or better in 3241, 25 hours clinical observation)

5997 Thesis Credits: Master's
(No Grade Associated; Prereq: Minimum 60 credits, communication major, instructor consent)

5991 Graduate Independent Study in Civil Engineering
(A-F or Audit; Prereq: CE MEng candidate, instructor consent)

5091 Independent Study
(Student Option; Prereq: CSD candidate with 90 cr or CSD Grad student)

5097 Off campus Professional Practicum in Communication Sciences and Disorders
(A-F or Audit; Prereq: instructor consent)

This information is accurate as of 11/4/2015 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.
5205 Pediatric Dysphagia
(A-F or Audit; Prereq: CSD Graduate Student or instructor consent)
80937 001 LEC, 12:00-14:45 MTWThF, In Person Term Based; Shanyi Samargha; 1 cr.

5230 Advanced Applications in Communication Modalities
(Student Option; Prereq: CSD grad or instructor consent)
80299 030 LEC, 8:00-10:45 MTWThF, In Person Term Based; Mark Mizuko; 4 cr.

5260 Seminars in Orofacial Disorders
(A-F only; Prereq: 3103)
80694 001 LEC, 12:00-14:45 MTWThF, In Person Term Based; Dana Collins; 2 cr.

5302 Language Disorders in School-Age Children
(S-F or Audit; Prereq: CSD grad student or instructor consent)
87835 001 LEC, 9:30-11:45 TThW, In Person Term Based; Jolene Hypa Martin; 2 cr.

8211 Professional Issues in Communication Disorders I
(A-F or Audit; Prereq: CSD Graduate Student or instructor consent)
87826 001 LEC, 12:00-15:15 F, In Person Term Based; Lynnette Carlson; 1 cr.

8231 Neurogenic Speech Disorders
(Student Option; Prereq: CSD grad student or instructor consent)
87829 001 LEC, 8:00-9:15 MTWTh, In Person Term Based; Dana Collins; 3 cr.

8232 Mgmt of Communication Disorders in Persons with Tracheostomy, Ventilator Dependency, & Laryngectomy
(A-F only; Prereq: CSD grad student or instructor consent)
80934 001 LEC, In Person Term Based; 1 cr.

8897 Full-Time CSD Graduate Externship in Medical Settings
(A-F or Audit; Prereq: 5205, 5260, 8232, 8597 and instructor consent)
80942 001 FWK, Independent/Directed Study; 6 cr.

8997 Graduate Practicum in Communication Disorders
(A-F or Audit; Prereq: CSD grad student, instructor consent)
80936 003 FWK, Independent/Directed Study; Jill Tschekunow; 1 cr.
80996 001 FWK, In Person Term Based; Lynda John; 1 cr.

Cultural Entrepreneurship (CUE)

4097 Internship
(A-F or Audit; Prereq: 1001, 3001, instructor consent; no grad credit)
80621 001 IND, 00:00-00:00, Independent/Directed Study; Jeffrey Maahs; 1 cr.
80616 001 IND, 00:00-00:00, Independent/Directed Study; Jeffrey Maahs; 1 cr.

Early Childhood Studies (ECH)

2025 Educating the Human Brain
(A-F or Audit; Prereq: 80690 001 LEC, 00:00-00:00, Completely Online; 3 cr.

4600 Student Teaching in Early Childhood/Primary
(S-N only; Prereq: 3005, 3007 or instructor consent; no grad credit)
80624 002 FWK, Independent/Directed Study; 3-12 cr.
80641 001 FWK, Independent/Directed Study; 3-12 cr.

Economics (ECON)

1003 Economics and Society
(A-F or Audit; Prereq: Cannot apply credit to economics major or minor or BAC or BBA majors)
81017 001 LEC, In Person Term Based; 3 cr.

1022 Principles of Economics: Macro
(A-F or Audit; Prereq: Minimum 15 credits or department consent)
80372 001 LEC, 11:00-13:30 MTWTh, In Person Term Based; Neil Wilmut; 3 cr.

Mathematics (MATH)

1101 Education in Modern Society
(A-F or Audit; Prereq: 80586 001 LEC, 00:00-00:00, Completely Online; 3 cr.

1201 Managing Planet Earth
(A-F or Audit; Prereq: 80644 030 LEC, Completely Online; 3 cr.

3412 The Computer in Education
(A-F or Audit; Prereq: 80407 030 LEC, 8:00-15:00 MTWThF, Montague Hall 209, Partially Online; Meets With: 030 EDUC 5412; 4 cr.

4227 Number Theory for Teachers in Grades 5-8
(A-F or Audit; Prereq: Math 1141 or 1298)
81047 001 LEC, In Person Term Based; Meets With: 001 EDUC 5227; 3 cr.

4234 Science, Technology, and Society
(A-F or Audit; Prereq: Minimum 30 credits, no grad credits)
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
<th>Delivery</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5913 Communication and Community Relations</td>
<td>ELED 4347</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: IESE candidate, 3326; no grad credit; credit will not be granted if already received for ELED 4347</td>
</tr>
<tr>
<td>5918 Continuous Improvement Processes for Schools</td>
<td>ELED 7006</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: EdAd lic program or college graduate program admission or instructor consent</td>
</tr>
<tr>
<td>81040 001 LEC, Completely Online; 2 cr.</td>
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<tr>
<td>5227 Number Theory for Teachers in Grade 5 - 8</td>
<td>A-F or Audit; Prereq: Math 1141 or 1296 or 1956</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: Math 1141 or 1296 or 1956; credit will not be granted if already received for ELED 7006</td>
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<td>80918 001 IND, Primarily Online; 2 cr.</td>
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<tr>
<td>7001 Introduction to Graduate Study</td>
<td>E-F Audit or CLEC; 1 cr.</td>
<td>1 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: E-F Audit or CLEC; completely online; 1 cr.</td>
</tr>
<tr>
<td>80919 001 IND, Primarily Online; 2 cr.</td>
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<tr>
<td>7008 Foundations of Teaching and Learning: Curriculum Theory and Design</td>
<td>A-F or Audit; Prereq: M.S.Ed student or M.Ed student or instructor consent; credit will not be granted if already received for ELED 7006</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: M.S.Ed student or M.Ed student or instructor consent; credit will not be granted if already received for ELED 7006; 3 cr.</td>
</tr>
<tr>
<td>80863 001 LEC, Completely Online; 1 cr.</td>
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<tr>
<td>8001 Historical, Social, and Philosophical Foundations of Education</td>
<td>A-F only; Prereq: Ed.D. majors or instructor consent</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: Ed.D. majors or instructor consent; 3 cr.</td>
</tr>
<tr>
<td>8016 Theory and Practice of Qualitative Research Methods</td>
<td>A-F only; Prereq: Pre 9115 or equivalent, Ed.D. majors or instructor consent</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: Pre 9115 or equivalent, Ed.D. majors or instructor consent; 3 cr.</td>
</tr>
<tr>
<td>8020 Doctoral Seminar</td>
<td>S-N only; Prereq: Ed.D. majors</td>
<td>1 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: Ed.D. majors; 1 cr.</td>
</tr>
<tr>
<td>8888 Thesis Credit: Doctoral</td>
<td>(No Grade Associated; Prereq: Max 18 cr per semester or summer; 24 cr required)</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: (No Grade Associated; Max 18 cr per semester or summer; 24 cr required); 3 cr.</td>
</tr>
<tr>
<td>4214 Teaching Content-Area Reading</td>
<td>A-F or Audit; Prereq: 4100, 4501, appropriate methods course; no grad credit</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: 4100, 4501, appropriate methods course; no grad credit; 3 cr.</td>
</tr>
<tr>
<td>4600 Student Teaching</td>
<td>S-N or Audit; Prereq: 4100, 4501, appropriate methods course; no grad credit</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: S-N or Audit; 4100, 4501, appropriate methods course; no grad credit; 3 cr.</td>
</tr>
<tr>
<td>5911 Leadership and Personal Growth</td>
<td>A-F Audit or Audit; EdAd lic program or college graduate program admission or instructor consent</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: A-F Audit or Audit; EdAd lic program or college graduate program admission or instructor consent; 3 cr.</td>
</tr>
<tr>
<td>1582 Introduction to World Literatures</td>
<td>F-A or Audit; Prereq: 4100, 4501, appropriate methods course; no grad credit</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: F-A or Audit; 4100, 4501, appropriate methods course; no grad credit; 3 cr.</td>
</tr>
<tr>
<td>3223 Shakespeare</td>
<td>A-F or Audit</td>
<td>4 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: A-F or Audit; 4 cr.</td>
</tr>
<tr>
<td>5998 Professional Competency Assessment: Superintendents</td>
<td>A-F or Audit; Prereq: EdEd lic program or college graduate program admission or instructor consent</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: A-F or Audit; EdEd lic program or college graduate program admission or instructor consent; 3 cr.</td>
</tr>
<tr>
<td>6900 Internship in Teaching for Administrators</td>
<td>A-F or Audit; Prereq: Admission to the Ad Ed program</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: A-F or Audit; Admission to the Ad Ed program; 3 cr.</td>
</tr>
<tr>
<td>6997 Internship: Principals</td>
<td>S-N only; Prereq: EdEd lic program or college graduate program admission or instructor consent</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: S-N only; EdEd lic program or college graduate program admission or instructor consent; 3 cr.</td>
</tr>
<tr>
<td>6998 Internship: Superintendents</td>
<td>S-N only; Prereq: EdEd lic program or college graduate program admission or instructor consent</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: S-N only; EdEd lic program or college graduate program admission or instructor consent; 3 cr.</td>
</tr>
<tr>
<td>5913 Communication and Community Relations</td>
<td>A-F or Audit; Prereq: EdAd lic program or college graduate program admission or instructor consent</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: A-F or Audit; EdAd lic program or college graduate program admission or instructor consent; 3 cr.</td>
</tr>
<tr>
<td>6997 Internship: Principals</td>
<td>S-N only; Prereq: EdEd lic program or college graduate program admission or instructor consent</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: S-N only; EdEd lic program or college graduate program admission or instructor consent; 3 cr.</td>
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<tr>
<td>6998 Internship: Superintendents</td>
<td>S-N only; Prereq: EdEd lic program or college graduate program admission or instructor consent</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Moe Benda</td>
<td>Prereq: S-N only; EdEd lic program or college graduate program admission or instructor consent; 3 cr.</td>
</tr>
</tbody>
</table>

**Electrical Engineering (EE)**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Credits</th>
<th>Delivery</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4991 Independent Study</td>
<td>A-F or Audit; Prereq: instructor consent; does not qualify as EE or ECE technical elective</td>
<td>3 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: A-F or Audit; instructor consent; does not qualify as EE or ECE technical elective; 3 cr.</td>
</tr>
<tr>
<td>3310 Outdoor Leadership Field Experience</td>
<td>A-F or Audit; Prereq: 3309</td>
<td>2 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: A-F or Audit; 3309; 2 cr.</td>
</tr>
<tr>
<td>4991 Independent Study</td>
<td>A-F or Audit; Prereq: instructor consent; no grad credit; total of 4 credits allowed between REC 4991 and ENED 4991</td>
<td>4 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: A-F or Audit; instructor consent; no grad credit; total of 4 credits allowed between REC 4991 and ENED 4991; 4 cr.</td>
</tr>
<tr>
<td>4992 Readings in Recreation</td>
<td>A-F or Audit; Prereq: instructor consent; no grad credit; total of 4 credits allowed between REC 4992 and ENED 4992</td>
<td>4 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: A-F or Audit; instructor consent; no grad credit; total of 4 credits allowed between REC 4992 and ENED 4992; 4 cr.</td>
</tr>
<tr>
<td>4996 Outdoor Education Internship</td>
<td>S-N or Audit; Prereq: Recreation-Outdoor education major, instructor consent; no grad credit; credit will not be granted if already received for Rec 4996</td>
<td>4 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: S-N or Audit; Recreation-Outdoor education major, instructor consent; no grad credit; credit will not be granted if already received for Rec 4996; 4 cr.</td>
</tr>
<tr>
<td>4997 Recreation Practicum</td>
<td>S-N only; Prereq: ENED 4100, PETE 3508 and instructor consent; no grad credit; credit will not be granted if already received for REC 4997</td>
<td>4 cr.</td>
<td>In Person Term Based</td>
<td>Michael Mageau</td>
<td>Prereq: S-N only; ENED 4100, PETE 3508 and instructor consent; no grad credit; credit will not be granted if already received for REC 4997; 4 cr.</td>
</tr>
</tbody>
</table>

This information is accurate as of 11/4/2015 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.
4100 HLTH 4100 History of Health in Italy
(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)
80895 001 LEC, 00:00-00:00, Study Abroad; Ladona Tornabene; 3 cr.

Foreign Studies (FST)

4255 Independent Study in Studio Art
(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)
80666 001 LEC, Study Abroad; 1-20 cr.

4256 HCM 4595 Health Care in the Netherlands and France
(Student Option; Prereq: Admitted to an approved Study Abroad Program, required consent from the International Education Office. No graduate credit)
80863 001 LEC, Study Abroad; 1-20 cr.

4258 Intb 4495 Business Dynamics in Korea and Japan
(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)
80667 001 LEC, Study Abroad; 1-20 cr.

4266 INTB 4495 Economic and Business Development in Peru
(Student Option; Prereq: Admitted to an approved Study Abroad Program, required consent from the International Education Office. No graduate credit)
80882 001 LEC, Study Abroad; 3 cr.

4295 INTB 4211 Innovation in Ireland (GLOBAL PER)
(Student Option; Prereq: Minimum 2.8 GPA, minimum 60 credits, admission to an approved study abroad program by the International Education Office.)
80664 001 LEC, Study Abroad; 3 cr.

4365 ME 4365 Global Sustainability Experience in Design & Manufacture
(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)
80727 001 LEC, Study Abroad; 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.)
80786 001 LEC, 00:00-00:00, Study Abroad; Ladona Tornabene; 1-20 cr.

4401 International Education
(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)
80797 001 LEC, 00:00-00:00, Study Abroad; Charleux; 1-20 cr.

4402 International Education
(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)
80788 001 LEC, 00:00-00:00, Study Abroad; Charleux; 1-20 cr.

4403 International Education
(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)
80789 001 LEC, 00:00-00:00, Study Abroad; Charleux; 1-20 cr.

5500 International Education
(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)
80815 001 LEC, 00:00-00:00, Study Abroad; Charleux; 1-20 cr.

5591 HLTH 5991 Independent Study
(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)
80726 001 LEC, 00:00-00:00, Study Abroad; Ladona Tornabene; 1-20 cr.

5990 HLTH 5100 History of Health in Italy
(Student Option; Prereq: Admission to an approved study abroad program requires consent from the International Education Office.)
80732 001 LEC, 00:00-00:00, Study Abroad; Ladona Tornabene; 1-20 cr.

Geographic Information Science (GIS)

3563 Geographic Information Science I: Theory and Analysis
(Student Option; Prereq: credit will not be granted if already received for GEOG 3564 or 4563 and 4564.)
80703 001 LEC, 00:00-11:55, MTMTWThF., In Person Term Based; Laure Charleux; 4 cr.

3591 Independent Study in GIS
(Student Option; Prereq: instructor consent)
80855 002 IND, 00:00-00:00, Independent/Directed Study; Laure Charleux; 1-3 cr.

3597 Internship in GIS
(Student Option; Prereq: GIS major with minimum 60 credits and instructor consent)
80857 002 FWK, 00:00-00:00, Independent/Directed Study; Laure Charleux; 3-4 cr.

5591 Independent Study in GIS
(Student Option; Prereq: instructor consent)
80705 002 IND, 00:00-00:00, In Person Term Based; Laure Charleux; 1-3 cr.
8074 001 IND, 00:00-00:00, In Person Term Based; Laure Charleux; 1-3 cr.

Geography (GEOG)

1304 Human Geography
(Student Option; Prereq: instructor consent)
80708 001 LEC, 00:00-00:00, Completely Online; Nathan Clough; 3 cr.

2306 Environmental Conservation
(Student Option; Prereq: instructor consent)
80851 001 LEC, 00:00-00:00, Completely Online; Tongxin Zhu; 3 cr.

2552 Introduction to Maps and Geospatial Information
(Student Option; Prereq: instructor consent)
80715 001 LEC, 00:00-00:00, Completely Online; Kate Carlson; 3 cr.

3991 Independent Study in Geography
(Student Option; Prereq: instructor consent)
80308 001 IND, 00:00-00:00, Independent/Directed Study; Tongxin Zhu; 1-4 cr.
80511 002 IND, 00:00-00:00, Independent/Directed Study; Tongxin Zhu; 1-4 cr.

3997 Internship in Geography
(Student Option; Prereq: Geography major, 60 credits, instructor consent)
80549 001 FWK, 00:00-00:00, Independent/Directed Study; Tongxin Zhu; 1-6 cr.
80550 002 FWK, 00:00-00:00, Independent/Directed Study; Tongxin Zhu; 1-6 cr.

4999 Honors Project Geography
(Student Option; Prereq: minimum 90 credits, approval by department honors program director; no grad credit)
81108 002 IND, Independent/Directed Study; 3 cr.
81099 001 IND, 00:00-00:00, Independent/Directed Study; Tongxin Zhu; 1-6 cr.

5991 Independent Study in Geography
(Student Option; Prereq: Maximum 4 credits can be applied to graduate program; instructor consent)
80551 001 IND, 00:00-00:00, Independent/Directed Study; Tongxin Zhu; 1-4 cr.

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University of Minnesota - Class Schedule for Duluth Campus

PRELIMINARY

80552 002 IND, 00:00-00:00 , Independent/Directed Study; Tongxin Zhu; 1-4 cr.

Geology (GEOL)

3996 Internship in Geological Sciences
(24 cr. or Audit; Prereq: 2312, instructor consent)
80791 001 FWK, 00:00-00:00 , Independent/Directed Study; 1-2 cr.

4091 Geologic Problems and Research
(A-F or Audit; Prereq: instructor consent, no grad credit)
81012 001 IND, In Person Term Based; 1-2 cr.

5091 Geologic Problems
(Student Option; Prereq: Graduate Student or instructor consent)
81013 001 IND, In Person Term Based; 1-2 cr.

80439 001 IND, Independent/Directed Study; Kim Dauner; 6 cr.

8444 FTE: Doctoral
80479 001 IND, 00:00-00:00 , Independent/Directed Study;

1100 Health and Wellness Strategies for Life
(A-F or Audit;)
80385 001 LEC, Completely Online; Patricia Wendinger; 3 cr.
80862 002 LEC, Completely Online; Patricia Wendinger; 3 cr.

1104 Health Science Terminology
(A-F or Audit;)
80387 030 LEC, 00:00-00:00 , Completely Online; Karen Skrbich; 1-3 cr.
81079 001 LEC, 00:00-00:00 , Completely Online; Karen Skrbich; 1-3 cr.

1470 Human Nutrition
(A-F or Audit;)
80584 001 LEC, 00:00-00:00 , Completely Online; Charlene Harkins; 3 cr.

1600 Basic First Aid and CPR
(A-F or Audit;)
81080 030 LEC, In Person Term Based; 2 cr.

1650 CPR/AED for the Professional Rescuer
(A-F or Audit;)
81081 030 LEC, In Person Term Based; 1 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 101] and one semester college chemistry, credit will not be granted if already received for Biol 1761)
80388 001 LEC, 8:00-10:40 MTWThF, In Person Term Based; Mark Nierengarten; 4 cr.
80467 002 LAB, 11:00-1:50 MWIF, 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)
80389 001 LEC, 8:00-11:50 MTWThF, In Person Term Based; John Keener; 4 cr.

3101 Community Health
(A-F or Audit; Prereq: Minimum 30 credits)
80637 001 LEC, Completely Online; 3 cr.

3115 Consumer Health Education
(A-F or Audit; Prereq: Minimum 5 credits)
80658 001 LEC, 00:00-00:00 , Completely Online; Amy Versnick Nowak; 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)
80390 001 LEC, In Person Term Based; 2 cr.

3500 Environmental Health
(A-F or Audit; Prereq: Health Education or Public Health Education and Promotion major, minimum 60 credits or instructor consent)
80554 001 LEC, 00:00-00:00 , Completely Online; Amy Versnick Nowak; 3 cr.

4996 Internship in Health Education
(S-N or Audit; Prereq: health education major, instructor consent; no grad credit)
81322 002 FWK, Independent/Directed Study; 1-15 cr.
80771 001 FWK, Independent/Directed Study; 1-15 cr.

5091 Independent Study
(A-F only; Prereq: LSBE candidate or Health Care Management minor or college consent, no grad credit)
80582 001 IND, In Person/Directed Study; Kim Dauner; 1-3 cr.

5579 Internship
(A-F only; Prereq: LSBE candidate or Health Care Management minor, consent of program director or internship director, no grad credit)
80547 001 FWK, Independent/Directed Study; Angie Soderberg; 3 cr.

Health, Physical Educ and Rec (HPER)

3300 Health and Physical Education in the Elementary School
(A-F or Audit; Prereq: ELED Major)
80693 030 LEC, Partially Online; 3 cr.

History (HIST)

1027 Introduction to Islam
(A-F or Audit;)
80944 001 LEC, 00:00-00:00 , Completely Online; Rosemary Stanford-Johnson; 3 cr.

1304 US History Part I: 1607-1877
(A-F or Audit;)
81008 001 LEC, 00:00-00:00 , Completely Online; Gideon Maier; 3 cr.

1305 US History Part II: 1865-Present
(A-F or Audit;)
81009 001 LEC, 00:00-00:00 , Completely Online; Scott Lademann; 3 cr.

1400 Modern World History from 1500 to present
(A-F or Audit;)
80874 001 LEC, 00:00-00:00 , Completely Online; Qiang Fang; 3 cr.

3091 Directed Readings in History
(A-F or Audit; Prereq: instructor consent)
80984 001 IND, 00:00-00:00 , Independent/Directed Study; Steve Matthews; 1-4 cr.

3097 Internship in History
(A-F or Audit; Prereq: 60 credits, instructor consent)
80985 001 FWK, 00:00-00:00 , Independent/Directed Study; Steve Matthews; 1-3 cr.

3346 History of Hollywood
(A-F or Audit; Prereq: credit will not be granted if already received for HIST 3246)
80662 001 LEC, 00:00-00:00 , Completely Online; Alexis Pogorelskin; 3 cr.

5094 Directed Research
(A-F or Audit; Prereq: instructor consent, maximum 4 credits may be applied to grad program)
81090 001 IND, 00:00-00:00 , Independent/Directed Study; Steve Matthews; 4 cr.

5905 History Seminar
(A-F or Audit; Prereq: instructor consent)
81010 001 LEC, Independent/Directed Study; 4 cr.

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4196 Cooperative Education (A-F or Audit; Prereq; BSEE candidate, no grad credit) 80047 001 FWK, 00:00-00:00 , , Independent/Directed Study; Daniel Pope; 1 cr.

4296 Cooperative Education II (A-F or Audit; Prereq; 4196 or ME 4196; no grad credit) 80900 001 FWK, 00:00-00:00 , , Independent/Directed Study; Daniel Pope; 2 cr.

4491 Independent Study (A-F or Audit; Prereq; BSEE or BSME candidate, department consent) 80541 001 IND, 00:00-00:00 , , Independent/Directed Study; ; 1-4 cr.
80996 002 IND, 00:00-00:00 , , Independent/Directed Study; Daniel Pope; 1-4 cr.

5991 Independent Study in Industrial Engineering (Student Option; Prereq; MSEM candidate, department consent) 80542 001 IND, 00:00-00:00 , , Independent/Directed Study; ; 1-4 cr.

4197 Journalism Internship (S-N only; Prereq; 2001, 3700, minimum 60 credits, instructor consent, no grad credit) 80862 001 FWK, 00:00-00:00 , , Independent/Directed Study; John Hatcher; 1-3 cr.

5197 Journalism Internship (S-N only; Prereq; College Grad or grad student, instructor consent) 80507 001 FWK, 00:00-00:00 , , Independent/Directed Study; John Hatcher; 1-3 cr.

Linguistics (LING)

3591 Independent Study in Linguistics (A-F or Audit; Prereq; 1811 or instructor consent, department consent) 80366 001 IND, 00:00-00:00 , , Independent/Directed Study; Chongwen Park; 3 cr.
87934 002 IND, Independent/Directed Study; William Salmon; 1-3 cr.

6591 Independent Study in Linguistics (A-F or Audit; Prereq; department approval) 80367 001 IND, 00:00-00:00 , , Independent/Directed Study; Chongwen Park; 1-3 cr.
87933 002 IND, In Person Term Based; William Salmon; 1-3 cr.

Management Studies (MGTS)

1101 The Business Environment (A-F or Audit; ) 87834 001 LEC, Completely Online; Lai La Lunde; 3 cr.

2411 Team Skills (A-F or Audit; Prereq; COMM 1112 or 1222, PSY 1003, pre-business major) 81016 001 LEC, In Person Term Based; ; 2 cr.

3301 Production and Operations Management (A-F or Audit; Prereq; LSBSE candidate or approved non-LSBSE business administration minor or college consent; credit will not be granted if already received for FMIS 3301) 81026 002 LEC, In Person Term Based; Meets With: 001 MGTS 3301; 3 cr.
81025 001 LEC, In Person Term Based; Meets With: 002 MGTS 3301; 3 cr.

3401 Organizational Behavior and Management (A-F only; Prereq; LSBSE candidate or business administration minor or approved Organizational Management minor or college consent) 80437 002 LEC, 14:00-16:30 MTWTh , In Person Term Based: Meets With: 001 MGTS 3401; Jennifer Mencl; 3 cr.
80381 001 LEC, 14:00-16:30 MTWTh , In Person Term Based: Meets With: 002 MGTS 3401; Jennifer Mencl; 3 cr.

3491 Independent Study (A-F only; Prereq; department consent) 80836 002 IND, 00:00-00:00 , , In Person Term Based; ; 1-3 cr.
80553 001 IND, 00:00-00:00 , , Independent/Directed Study; Jennifer Mencl; 1-3 cr.

3497 Organizational Management Internship (A-F only; Prereq; LSBSE candidate, consent of internship office) 80835 002 FWK, 00:00-00:00 , , Independent/Directed Study; ; 3 cr.
80564 001 FWK, Independent/Directed Study; Angie Soderberg; 3 cr.

3801 Human Resource Management (A-F only; Prereq; LSBSE candidate or approved non-LSBSE business administration or approved non-LSBSE HRM minors or college consent) 81113 003 LEC, Completely Online; ; 3 cr.
80438 002 LEC, 00:00-00:00 , , Independent/Directed Study; Lin Xu; 3 cr.
80408 001 LEC, 00:00-00:00 , , Independent/Directed Study; Meets With: 002 MGTS 3801; Lin Xu; 3 cr.

3897 Human Resources Internship (A-F only; Prereq; LSBSE candidate, consent of Internship Director) 80865 001 FWK, 00:00-00:00 , , Independent/Directed Study; Angie Soderberg; 3 cr.

3997 Management of Community Projects (A-F only; Prereq; 3401, LSBE candidate, instructor consent) 80382 001 FWK, Independent/Directed Study; 1-3 cr.

4431 Leadership Studies (A-F only; Prereq; 3401, LSBE candidate or Non-LSBSE Organizational Management minor or college consent) 80383 001 LEC, Completely Online; 3 cr.

4443 Building and Leading Teams in Organizations (A-F only; Prereq; LSBSE candidate, 3401 or instructor consent) 81023 001 LEC, In Person Term Based; 3 cr.

4472 Entrepreneurship (A-F only; Prereq; LSBSE candidate or approved non-LSBSE Organizational Management minor or college consent) 80958 001 LEC, Completely Online; 3 cr.

4475 Negotiations, Bargaining and Conflict Resolution (A-F only; Prereq; LSBSE candidate, 3401 or instructor consent) 80959 001 LEC, In Person Term Based; 3 cr.

4481 Strategic Management (A-F only; Prereq; 3401, 3801, MKTG 3701, FMIS 3301 or MGTS 3301, FMIS 3601, 90 credits, LSBSE candidate or college consent; no grad credit) 80084 001 LEC, Completely Online; Raymond Jones; 3 cr.
80961 002 LEC, 00:00-00:00 , , Completely Online; Xin Liang; 3 cr.

4831 Compensation Systems (A-F only; Prereq; 3801, LSBSE candidate or college consent) 80781 001 LEC, 00:00-00:00 , , In Person Term Based; ; 3 cr.

4841 Training and Development (A-F only; Prereq; 3801, LSBSE candidate or approved non-LSBSE Human Resources Management minor or college consent) 81094 001 LEC, In Person Term Based; 3 cr.

4861 International Human Resource Management (A-F only; Prereq; 3801, LSBSE candidate or instructor consent) 80960 001 LEC, In Person Term Based; 3 cr.

4997 Entrepreneurial Internship (A-F or Audit; Prereq; 4472, BLAW 3201, MKTG 4741, LSBSE candidate, instructor consent; no grad credit) 81025 001 FWK, 00:00-00:00 , , Independent/Directed Study; Angie Soderberg; 3 cr.

Marketing (MKTG)

3701 Principles of Marketing (A-F only; Prereq; LSBSE candidate or approved non-LSBSE business administration minor or college consent) 80579 002 LEC, 00:00-00:00 , , Completely Online; Meets With: 001 MKTG 3701; Ahmed Maamoun; 3 cr.
80578 001 LEC, 00:00-00:00 , , Completely Online; Meets With: 002 MKTG 3701; Ahmed Maamoun; 3 cr.

3710 Green Marketing (A-F or Audit; Prereq; 3701) 87864 001 LEC, Completely Online; Ahmed Maamoun; 3 cr.

3721 Social Media Marketing (A-F or Audit; Prereq; 3701) 80886 001 LEC, 00:00-00:00 , , In Person Term Based; ; 3 cr.

3741 Fundamentals of Selling (A-F only; Prereq; MGTS 3701 or MKTG 3701, LSBSE candidate or Graphic Design and Marketing majors or college consent) 81035 001 LEC, In Person Term Based; ; 3 cr.
**Master of Liberal Studies (MLS)**

**6591 Directed Study**
(For Audit; Prereq: MLS candidate or department consent)  
80983 001 IND, 00:00-00:00 , Independent/Directed Study; 1-8 cr.

**Mathematics (MATH)**

**1005 College Algebra**  
(For Audit; Prereq: Math ACT 21 or higher or SPP 0103 or department consent)  
80476 001 LEC, 8:00-10:00 MTWThF, Ed Endazhinyan; 4 cr.

**1160 Finite Mathematics and Introduction to Calculus**  
(For 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.)  
80587 001 LEC, 9:30-11:30 MTWThF, Ed Endazhinyan; 5 cr.

**1250 Precalculus Analysis**  
(For Audit; Prereq: Math ACT 24 or higher or a grade of at least C- in Math 1005 or department consent)  
81091 001 LEC, In Person Term Based: 4 cr.

**1296 Calculus I**  
(For Audit; Prereq: Math ACT 27 or higher or a grade of at least C- in Math 1250 or department consent)  
80302 001 LEC, 9:30-11:30 MTWThF, Ed Endazhinyan; 5 cr.

**1297 Calculus II**  
(For Audit; Prereq: A grade of at least C- in 1290 or 1296 or 1596)  
80303 001 LEC, 8:00-10:00 MTWThF, Ed Endazhinyan; 5 cr.

**3941 Undergraduate Colloquium**  
(For Audit; Prereq: Math major or minor, department consent; must register during semester of 16th point)  
80806 001 LEC, 11:00-12:30 MTWTh, Solomon Campus Center 21, In Person Term Based; Diane Colt; 3 cr.

**3355 Discrete Mathematics**  
(For Audit; Prereq: Math 1297 or instructor consent, a grade of C- or better is in required in all prerequisite courses)  
81092 001 LEC, 9:30-11:30 MTWTh, Ed Endazhinyan; 4 cr.

**3941 Undergraduate Colloquium**  
(For Audit; Prereq: Math major or minor, department consent; must register during semester of 16th point)  
80806 001 LEC, 11:00-12:30 MTWTh, Solomon Campus Center 21, In Person Term Based; Diane Colt; 3 cr.

**3355 Discrete Mathematics**  
(For Audit; Prereq: Math 1297 or instructor consent, a grade of C- or better is in required in all prerequisite courses)  
81092 001 LEC, 9:30-11:30 MTWTh, Ed Endazhinyan; 4 cr.

**80301 001 IND, 00:00-00:00 , Independent/Directed Study; Rajv Vaidyanathan; 1-3 cr.**

**Master of Liberal Studies (MLS)**

**6591 Directed Study**
(For Audit; Prereq: MLS candidate or department consent)  
80983 001 IND, 00:00-00:00 , Independent/Directed Study; 1-8 cr.

**Mathematics (MATH)**

**1005 College Algebra**  
(For Audit; Prereq: Math ACT 21 or higher or SPP 0103 or department consent)  
80476 001 LEC, 8:00-10:00 MTWThF, Kathryn A Martin Library 215, In Person Term Based: Angela Sharp; 5 cr.

**1160 Finite Mathematics and Introduction to Calculus**  
(For 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.)  
80587 001 LEC, 9:30-11:30 MTWThF, Ed Endazhinyan; 5 cr.

**1250 Precalculus Analysis**  
(For Audit; Prereq: Math ACT 24 or higher or a grade of at least C- in Math 1005 or department consent)  
81091 001 LEC, In Person Term Based: 4 cr.

**1296 Calculus I**  
(For Audit; Prereq: Math ACT 27 or higher or a grade of at least C- in Math 1250 or department consent)  
80302 001 LEC, 9:30-11:30 MTWThF, Ed Endazhinyan; 5 cr.

**1297 Calculus II**  
(For Audit; Prereq: A grade of at least C- in 1290 or 1296 or 1596)  
80303 001 LEC, 8:00-10:00 MTWThF, Ed Endazhinyan; 5 cr.

**3941 Undergraduate Colloquium**  
(For Audit; Prereq: Math major or minor, department consent; must register during semester of 16th point)  
80806 001 LEC, 11:00-12:30 MTWTh, Solomon Campus Center 21, In Person Term Based; Diane Colt; 3 cr.

**3355 Discrete Mathematics**  
(For Audit; Prereq: Math 1297 or instructor consent, a grade of C- or better is in required in all prerequisite courses)  
81092 001 LEC, 9:30-11:30 MTWTh, Ed Endazhinyan; 4 cr.

**80301 001 IND, 00:00-00:00 , Independent/Directed Study; Rajv Vaidyanathan; 1-3 cr.**

**Master of Liberal Studies (MLS)**

**6591 Directed Study**
(For Audit; Prereq: MLS candidate or department consent)  
80983 001 IND, 00:00-00:00 , Independent/Directed Study; 1-8 cr.

**Mathematics (MATH)**

**1005 College Algebra**  
(For Audit; Prereq: Math ACT 21 or higher or SPP 0103 or department consent)  
80476 001 LEC, 8:00-10:00 MTWThF, Kathryn A Martin Library 215, In Person Term Based: Angela Sharp; 5 cr.

**1160 Finite Mathematics and Introduction to Calculus**  
(For 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.)  
80587 001 LEC, 9:30-11:30 MTWThF, Ed Endazhinyan; 5 cr.

**1250 Precalculus Analysis**  
(For Audit; Prereq: Math ACT 24 or higher or a grade of at least C- in Math 1005 or department consent)  
81091 001 LEC, In Person Term Based: 4 cr.

**1296 Calculus I**  
(For Audit; Prereq: Math ACT 27 or higher or a grade of at least C- in Math 1250 or department consent)  
80302 001 LEC, 9:30-11:30 MTWThF, Ed Endazhinyan; 5 cr.

**1297 Calculus II**  
(For Audit; Prereq: A grade of at least C- in 1290 or 1296 or 1596)  
80303 001 LEC, 8:00-10:00 MTWThF, Ed Endazhinyan; 5 cr.

**3941 Undergraduate Colloquium**  
(For Audit; Prereq: Math major or minor, department consent; must register during semester of 16th point)  
80806 001 LEC, 11:00-12:30 MTWTh, Solomon Campus Center 21, In Person Term Based; Diane Colt; 3 cr.

**3355 Discrete Mathematics**  
(For Audit; Prereq: Math 1297 or instructor consent, a grade of C- or better is in required in all prerequisite courses)  
81092 001 LEC, 9:30-11:30 MTWTh, Ed Endazhinyan; 4 cr.

**80301 001 IND, 00:00-00:00 , Independent/Directed Study; Rajv Vaidyanathan; 1-3 cr.**
1996 Jazz Guitar - Non-Major  
(A-F or Audit; Prereq: Non-music major or music major secondary instrument)  
80700 001 LAB, In Person Term Based; Jimi Cooper; 1 cr.

1398 Pop Styles Guitar- Non Major  
(A-F only; Prereq: Non-music major or music major secondary instrument)  
80899 001 LAB, In Person Term Based; Thomas O'Hara; 1 cr.

2001 Ethnic and Folk Music of the World  
(Student Option; )  
80929 001 LEC, Completely Online; Timothy Brosious; 3 cr.

3600 Music in the Elementary Classroom  
(A-F or Audit; Prereq: Elementary/middle school teacher education candidate; credit will not be granted if already received for MU 1601 and 3601)  
80979 001 LEC, 9:30-11:00 MTWThF, Humanities Building 170; In Person Term Based; David Edmund; 3 cr.

3995 Special Topics: (Various Titles to be Assigned)  
(A-F or Audit; Prereq: instructor consent)  
81005 001 LEC, Completely Online; Robert Janke; 2 cr.

4353 Viola - Major  
(A-F or Audit; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.; MU 360)  
81103 001 LEC, In Person Term Based; 2-3 cr.

4381 Percussion-Major  
(A-F only; Prereq: Music major; performance majors register for 3 cr., all others register for 2 cr.)  
81096 001 LEC, In Person Term Based; 2-3 cr.

Ojibwe Education (OJED)  
3102 Historical and Contemporary Issues in American Indian Education  
(A-F only; Prereq: 3101, 3100, 3104, Comp 3140 (concurrent registration allowed), admission to Ojibwe elementary school program)  
81002 421 LEC, Primarily Online; 3 cr.

5310 American Indians and Special Education  
(A-F or Audit; Prereq: Naadamadwin Tribal Special Education cohort (special education licensure))  
81003 421 LEC, Primarily Online; 4 cr.

Pharmacy (PHAR)  
1001 Orientation to Pharmacy  
(Student Option; )  
80745 001 IND, Completely Online; 2 cr.

1002 Medical Terminology  
(Student Option; )  
80746 001 IND, Completely Online; 2 cr.

1003 Non-Prescription Medications and Self-Care: Treating Minor Conditions  
(Student Option; )  
80747 001 IND, Completely Online; 2 cr.

1004 Common Prescription Drugs and Diseases  
(Student Option; )  
80748 001 IND, Completely Online; 2 cr.

1006 Orientation to Health Literacy and Communication  
(A-F only;)  
80796 001 IND, Completely Online; 2 cr.

3206 Issues in Health Literacy and Communication  
(A-F only;)  
80897 001 IND, Completely Online; 3 cr.

3601 Basic Human Physiology for the Health Professions  
(A-F only; Prereq: Medical terminology recommended)  
80847 001 IND, Completely Online; 3 cr.

3700 Fundamentals of Pharmacotherapy  
(A-F only; Prereq: Medical terminology recommended)  
80749 001 IND, Completely Online; 3 cr.

5201 Applied Health Science Terminology  
(Student Option; Prereq: Basic knowledge of human anatomy/physiology)  
80492 001 IND, Completely Online; 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.)  
80946 001 IND, Completely Online; 2 cr.

5206 Applied Health Literacy and Communication  
(A-F only;)  
80797 001 IND, Completely Online; 3 cr.

5700 Applied Fundamentals of Pharmacotherapy  
(A-F only; Prereq: Medical terminology recommended)  
80750 001 IND, Completely Online; 3 cr.

6182 Pharm.D. IV Seminar  
(S-N only; Prereq: 4th yr pharmacy student, 6181)  
80969 001 LEC, Independent/Directed Study; 1 cr.

6183 Pharm.D. IV Paper  
(S-N only; Prereq: 4th yr pharmacy student, 6181)  
80968 001 IND, Independent/Directed Study; 2 cr.

6224 Pharmacogenomics: Genetic Basis for Variability in Drug Response  
(A-F only; Prereq: 3rd year or later healthcare or related education program or equivalent experience, or instructor consent)  
80798 001 LEC, Completely Online; 2 cr.

6227 Leading Adaptive Change  
(S-N only;)  
80645 001 IND, Independent/Directed Study; 2 cr.

6228 Leading Change Portfolio  
(S-N only; )  
80646 001 IND, 00:00-00:00 , , Independent/Directed Study; Kristin Janke; 2 cr.

6257 Leadership Best Sellers for Pharmacists  
(A-F only;)  
80669 001 DNS, 00:00-00:00 , , Completely Online; Kristin Janke; 2 cr.

6293 Directed Research I  
(Student Option; Prereq; instructor consent)  
80526 001 IND, Independent/Directed Study; 1-5 cr.

6294 Directed Study I  
(Student Option; )  
80521 001 IND, Independent/Directed Study; 1-5 cr.

6393 Directed Research II  
(Student Option; Prereq; instructor consent)  
80527 001 IND, Independent/Directed Study; 1-5 cr.

6394 Directed Study II  
(A-F or Audit;)  
80528 001 IND, Independent/Directed Study; 1-5 cr.

6493 Directed Research III  
(Student Option; Prereq; instructor consent)  
80538 001 IND, Independent/Directed Study; 1-5 cr.

6494 Directed Study III  
(S-N or Audit;)  
80539 001 IND, Independent/Directed Study; 1-5 cr.

7010 APPE Continuing Professional Development Portfolio  
(S-N only; Prereq: 3rd year Pharmacy student)  
80668 001 IND, 00:00-00:00 , , , Independent/Directed Study; Kristin Janke; 1.5 cr.

7120 Community Practice Experience  
(A-F 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)  
80566 001 FWK, In Person Term Based; 4 cr.

7122 Acute Patient Care Practice Experience I  
(A-F only; 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)  
80567 001 FWK, In Person Term Based; 4 cr.

7123 Ambulatory Patient Care Practice Experience  
(A-F 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)  
80568 001 FWK, In Person Term Based; 4 cr.

7126 Patient Care Practice Experience  
(A-F only; 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)  
80569 001 FWK, In Person Term Based; 4 cr.

7128 Acute Patient Care Practice Experience II  
(A-F only; 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)  
80570 001 FWK, In Person Term Based; 4 cr.

7211 Elective Practice Experience I  
(A-F only; 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)  
80571 001 FWK, In Person Term Based; 4 cr.

7212 Elective Practice Experience II  
(A-F only; 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)  
80572 001 FWK, In Person Term Based; 4 cr.

7213 Elective Practice Experience III  
(A-F only; 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)  
80573 001 FWK, In Person Term Based; 4 cr.

7214 Elective Practice Experience IV  
(A-F only; 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)  
80734 001 IND, 00:00-00:00 , , , Independent/Directed Study; Michele Simody; 4 cr.

7217 Elective Practice Experience V  
(A-F or Audit; Prereq: Pharm.D. III, MN Board of Pharmacy Intern, criminal bkg chk, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)  
80594 001 FWK, In Person Term Based; 4 cr.

Philosophy (PHIL)  
1001 Introduction to Philosophy  
(A-F or Audit;)  
80713 001 LEC, 00:00-00:00 , , Completely Online; Robert Scriber; 3 cr.

1007 Philosophy and World Religions  
(A-F or Audit;)  
80947 001 LEC, 00:00-00:00 , , Completely Online; Michelle Saint; 3 cr.

This information is accurate as of 11/4/2015 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.
## Political Science (POL)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1011</td>
<td>American Government and Politics</td>
<td>(A-F or Audit)</td>
<td>87837.01 LEC, Completely Online; Geof Shebagy; 3 cr.</td>
</tr>
<tr>
<td>3025</td>
<td>Popular Culture and Politics</td>
<td>(A-F or Audit; Prereq: 45 cr. including 6 cr. social science or instructor consent)</td>
<td>80534.01 LEC, In Person Term Based; 4 cr.</td>
</tr>
<tr>
<td>3097</td>
<td>Government Internship</td>
<td>(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)</td>
<td>80516.001 FWK, 00:00-00:00, Completely/In-Directed Study; Jeremy Youssef; 1-12 cr.</td>
</tr>
</tbody>
</table>

## Physics (PHYS)

### 1001 Introduction to Physics I
- (A-F or Audit; Prereq: Algebra, trig)
- 80468.001 LEC, 8:00-9:50 MTTHF.; In Person Term Based; Darin Johnson; 5 cr.
- 80751.003 LAB, In Person Term Based; Darin Johnson; 5 cr.
- 80469.002 LAB, 10:00-11:50 TTH.; In Person Term Based; Jeanne Peterson; 5 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.)
- 80957.003 DIS, In Person Term Based; 4 cr.
- 80920.002 DIS, 10:00-11:50 W.; In Person Term Based; Michael Shaw; 4 cr.
- 80766.015, 10:50-11:50 MTTF.; In Person Term Based; Michael Shaw; 4 cr.

### 2014 General Physics Lab I
- (A-F or Audit; Prereq: previous or concurrent enrollment in PHYS 2013)
- 80767.002 LAB, 8:00-9:50 TTH.; In Person Term Based; Darin Johnson; 1 cr.
- 80766.001 LAB, 12:00-13:50 TTH.; In Person Term Based; Michael Shaw; 1 cr.

### 2015 General Physics II
- (A-F or Audit; Prereq: previous or concurrent registration in 2016, Prerequisite of 2013 and 2014, Math 1297 or 1597; credit will not be granted if already received for PHYS 1202, 2012 or 2014.)
- 80998.003 DIS, 12:00-13:50 W.; In Person Term Based; 4 cr.
- 80836.001 LEC, 12:00-13:50 MTTF.; In Person Term Based; Bill Wolz; 4 cr.
- 80921.002 DIS, 12:00-13:50 W.; In Person Term Based; Bill Wolz; 4 cr.

### 2016 General Physics Lab II
- (A-F or Audit; Prereq: Previous or concurrently enrollment in PHYS 2015)
- 80916.002 LAB, In Person Term Based; 1 cr.
- 80837.001 LAB, 14:00-15:50 TTH.; In Person Term Based; Bill Wolz; 1 cr.

### 3094 Physics Research (S-N or Audit; Prereq: department consent)
- 80465.001 IND, 00:00-00:00, Completely/Independent/Directed Study; 1-6 cr.

### 5594 Physics Research (S-N or Audit; Prereq: instructor consent)
- 80430.001 IND, 00:00-00:00, Completely/Independent/Directed Study; 1-3 cr.

### 8333 FTE: Master’s
- (No Grade Associated; Prereq: Master’s student, adviser and DEGS consent)
- 80410.001 IND, Completely/Independent/Directed Study; 1 cr.
- 80638.002 IND, 00:00-00:00, Completely/Independent/Directed Study; 1-18 cr.

### 8777 Thesis Credits: Master’s
- (No Grade Associated; Prereq: Max 18 cr per semester or summer; 10 cr total required (Plan A only))
- 80639.001 IND, 00:00-00:00, Completely/Independent/Directed Study; 1-18 cr.
- 80640.002 IND, 00:00-00:00, Completely/Independent/Directed Study; 1-18 cr.

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This information is accurate as of 11/4/2015 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>81057</td>
<td>Social Work (SW)</td>
<td>3</td>
<td>1000 Introduction to Social Welfare (A-F or Audit; )</td>
</tr>
<tr>
<td>87865</td>
<td>1210 Global Issues</td>
<td>3</td>
<td>37600 001 LEC, Completely Online; Sandra van den Bosse; 3 cr.</td>
</tr>
<tr>
<td>87867</td>
<td>1619 Race, Class, and Gender in the United States</td>
<td>3</td>
<td>87870 050 LEC, Completely Online; Gwendolyn Anderson; 3 cr.</td>
</tr>
<tr>
<td>5091</td>
<td>5096 Special Project</td>
<td>1-4</td>
<td>(S-N or Audit; Prereq: instructor consent)</td>
</tr>
<tr>
<td>8051</td>
<td>5125 Trauma Informed Social Work Practice with Children and Adolescents</td>
<td>2-3</td>
<td>(A-F or Audit; Prereq: minimum 60 credits or graduate standing)</td>
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<tr>
<td>8058</td>
<td>5280 Addressing Alcohol Related Problems in Social Work Practice</td>
<td>3-4</td>
<td>(Student Option; Prereq: Jr or Sr grad student or instructor consent)</td>
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<tr>
<td>8061</td>
<td>5990 Pre-Field Work</td>
<td>0</td>
<td>(No Grade Associated; )</td>
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<tr>
<td>8086</td>
<td>8051 School Social Work</td>
<td>1-2</td>
<td>80863 001 FWK, In Person Term Based; 0.00-00.00, 0.00, Independent/Directed Study; 0 cr.</td>
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<tr>
<td>8058</td>
<td>8102 Advanced Research</td>
<td>1-2</td>
<td>87873 050 LEC, Completely Online; Evie Campbell; 1-2 cr.</td>
</tr>
<tr>
<td>8016</td>
<td>8106 Child Welfare Practice with African American Families</td>
<td>2</td>
<td>80917 001 LEC, Partially Online; 2 cr.</td>
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<tr>
<td>8323</td>
<td>8802 Field Placement II</td>
<td>3-4</td>
<td>(A-F or Audit; Prereq: 8832 or 8844 or 8854, SW Grad Student and instructor consent)</td>
</tr>
<tr>
<td></td>
<td>8332 or 8844 or 8854, SW Grad Student and instructor consent)</td>
<td></td>
<td>80394 001 FWK, Independent/Directed Study; Evie Campbell; 3-8 cr.</td>
</tr>
<tr>
<td></td>
<td>80395 002 FWK, Independent/Directed Study; Sandra van den Bosse; 3-8 cr.</td>
<td></td>
<td>8991 Practice in the American Indian Community (S-N only; Prereq: Soc work grad student, 8771 or 8881, instructor consent)</td>
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<tr>
<td></td>
<td>80598 001 FWK, Independent/Directed Study; Priscilla Day; 2-4 cr</td>
<td></td>
<td>88065 001 LEC, Completely Online; Meets With: 001 SPED 5435; 4 cr.</td>
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<tr>
<td></td>
<td>Sociology (SOC)</td>
<td>4</td>
<td>3155 Quantitative Research Methods and Analysis (A-F or Audit; Prereq: 2155, crim major or soc major or URS major, min 30 cr)</td>
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<tr>
<td></td>
<td>3306 Deviance</td>
<td>1</td>
<td>81059 001 LEC, Primarily Online; 4 cr.</td>
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<td></td>
<td>4597 Internship</td>
<td>1-3</td>
<td>80946 001 FWK, Independent/Directed Study; Robert Weidner; 6-8 cr.</td>
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<tr>
<td></td>
<td>4991 Independent Study in Sociology</td>
<td>3-4</td>
<td>(A-F or Audit; Prereq: instructor consent; maximum 6 credits allowed between SOC 4991 and CRIM 4391)</td>
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<tr>
<td></td>
<td>4999 Honors Project Sociology</td>
<td>1-3</td>
<td>81121 003 IND, 00:00-00.00, 0.00, Independent/Directed Study; Janette Wilson; 1-6 cr.</td>
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<tr>
<td></td>
<td>Spanish (SPAN)</td>
<td>2-5</td>
<td>80411 001 IND, 00:00-00.00, 0.00, Independent/Directed Study; Robert Weidner; 1-6 cr</td>
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<tr>
<td></td>
<td>1101 Beginning Spanish I</td>
<td>2-5</td>
<td>80456 001 IND, 00:00-00.00, 0.00, Independent/Directed Study; Robert Weidner; 1-6 cr</td>
</tr>
<tr>
<td></td>
<td>Special Education (SPED)</td>
<td>1-3</td>
<td>80401 001 IND, 00:00-00.00, 0.00, Independent/Directed Study; John Hanlin; 1-4 cr</td>
</tr>
<tr>
<td></td>
<td>3103 Infants and Toddlers with Special Needs</td>
<td>3-4</td>
<td>80470 001 IND, 00:00-00.00, 0.00, Independent/Directed Study; Robert Weidner; 1-6 cr</td>
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<td></td>
<td>3109 Supporting Social/Emotional Development Birth-8</td>
<td>3-4</td>
<td>80153 001 LEC, 00:00-00.00, 0.00, Independent/Directed Study; Mark Harvey; 1-3 cr.</td>
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<tr>
<td></td>
<td>4250 Foundations of Autism Spectrum Disorders</td>
<td>2-3</td>
<td>80863 001 LEC, 00:00-00.00, 0.00, Online; Meets With: 001 SPED 5250; 4 cr.</td>
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<tr>
<td></td>
<td>4280 Assessment of Students with Autism Spectrum Disorders</td>
<td>1-3</td>
<td>(A-F or Audit; Prereq: 4250, 4260 and 4270; no grad credit)</td>
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<tr>
<td></td>
<td>4433 Foundations in Special Education (A-F or Audit; Prereq: Min 45 cr, postbac grad or spec minor, no grad credit)</td>
<td></td>
<td>80865 001 LEC, Completely Online; 3 cr.</td>
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<tr>
<td></td>
<td>4435 Parent and Professional Communication and Collaboration</td>
<td>4-6</td>
<td>(A-F or Audit; Prereq: 4433, 45 cr, postbac or spec minor or instructor consent, no grad credit)</td>
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<td>4600 Student Teaching</td>
<td>1-2</td>
<td>80601 002 FWK, Independent/Directed Study; 1-2 cr.</td>
</tr>
<tr>
<td></td>
<td>5250 Foundations of Autism Spectrum Disorders</td>
<td>2-3</td>
<td>81055 001 LEC, Completely Online; Meets With: 001 SPED 4280; 2 cr.</td>
</tr>
<tr>
<td></td>
<td>5351 Characteristics of Developmental Disabilities</td>
<td>4-6</td>
<td>(A-F or Audit; Prereq: Departmental consent)</td>
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<td></td>
<td>3411 Engineering Statistics</td>
<td>3-4</td>
<td>80846 001 LEC, 8:30-10:30 MTWTWF, Ed Endahgi-kikono/amarding 40, In Person Term Based; Mingqian Duan; 3 cr</td>
</tr>
<tr>
<td></td>
<td>3611 Introduction to Probability and Statistics</td>
<td>4-6</td>
<td>(A-F or Audit; Prereq: A grade of at least C- in Math 1290 or Math 1296)</td>
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<td></td>
<td>Theatre (TH)</td>
<td>3-4</td>
<td>81093 001 LEC, 11:00-13:00 MTWTWF, Ed Endahgi-kikono/amarding 40, In Person Term Based; Yongcheng Gu; 4 cr</td>
</tr>
<tr>
<td></td>
<td>1051 Introduction to Film</td>
<td>3-4</td>
<td>(A-F or Audit; )</td>
</tr>
<tr>
<td></td>
<td>1451 Stage Makeup</td>
<td>3-4</td>
<td>80596 001 LEC, 13:00-16:25 MTWTWF, In Person Term Based; Patricia Dennis; 3 cr.</td>
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<td></td>
<td>5919 Independent Study in Theatre</td>
<td>1-3</td>
<td>80556 001 IND, 00:00-00.00, Independent/Directed Study; Mark Harvey; 1-3 cr.</td>
</tr>
<tr>
<td></td>
<td>Toxicology (TXCL)</td>
<td>1-2</td>
<td>80490 001 FWK, 00:00-00.00, Independent/Directed Study; Mark Harvey; 1-2 cr.</td>
</tr>
<tr>
<td></td>
<td>5000 Directed Research in Toxicology (S-N or Audit; Prereq: instructor consent)</td>
<td>4-6</td>
<td>80865 001 LEC, Completely Online; 4 cr.</td>
</tr>
</tbody>
</table>

This information is accurate as of 11/4/2015 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.