How to Use This Schedule

Class Number—This five-digit number appears to the left of each course or each section of a course.

Prerequisites—In order to enroll 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 follows:

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. Likewise, 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
DRD .................................................. Directed Reading
DRS .................................................. Directed Research
DST .................................................. Directed Study
INI .................................................. Individualized Instruction
IND .................................................. Independent Study
IEX .................................................. Intern/Externship
LAB .................................................. Laboratory
LEC .................................................. Lecture
LET .................................................. Lecture only (without LAB or DIS sections)
PHY .................................................. Physical Education
PRC .................................................. Practicum
REH .................................................. Rehearsal
SEM .................................................. Seminar
STU .................................................. Studio
THE .................................................. Thesis Credit
WKS .................................................. Workshop

Liberal Education Program (LEP)—Courses which meet the Liberal Education Program requirements are identified with the following abbreviations in the prerequisites:

• Liberal Education (LE)—Courses emphasizing the 10 categories of liberal education.
• Cultural Diversity (LECD)—Courses emphasizing cultural diversity (CD) in the United States.
• International Perspective (LEIP)—Courses emphasizing an international perspective (IP) in today’s world.

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)

Course Changes—Web course listings (at onestop.umn.edu/schedule/html.dul.html) always contain the most current and accurate information.
<table>
<thead>
<tr>
<th>CRN</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>47282</td>
<td>001 LAB, 06:20am-07:45am T, SpHc 9;</td>
<td>Loughran, Harry T, 3 cr</td>
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<td>45906</td>
<td>001 LEC, 09:00am-09:50am T, ROTC 12;</td>
<td>Loughran, Harry T, 3 cr</td>
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<td>45923</td>
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<td>McGoffin, Mike, 3 cr</td>
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<td>45981</td>
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<td>3102</td>
<td>Air Force Leadership Studies (A-F only)</td>
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<td>45932</td>
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<td>Larson, Todd, 3 cr</td>
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<td>3591</td>
<td>Leadership Practicum (max crs 4; 4 repeats allowed; A-F only)</td>
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<td>45907</td>
<td>001 PRC, McGoffin, Mike, 1-4 cr</td>
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<td>3591</td>
<td>American Indian Studies (AmIn)</td>
<td>College of Liberal Arts</td>
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<tr>
<td>1104</td>
<td>Beginning Ojibwe II (A-F only; prereq 1103 or instructor consent)</td>
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<td>46315</td>
<td>001 LEC, 12:00pm-01:15pm T, ABH 235;</td>
<td>Loughran, Harry T, 3 cr</td>
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<td>1120</td>
<td>American Indians in the 20th Century</td>
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<td>46397</td>
<td>001 LEC, 10:00am-10:50am MWF, BshH 343;</td>
<td>Red Horse, John G, 3 cr</td>
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<td>2105</td>
<td>Survey of American Indian Arts (A-F only; meets LE req of LE CAT9)</td>
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<td>63760</td>
<td>001 LEC, 05:00pm-05:15pm T, SpHc 106;</td>
<td>Loughran, Harry T, 3 cr</td>
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<td>2115</td>
<td>Ojibwe History and Culture (A-F only)</td>
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<td>47303</td>
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<td>3106</td>
<td>Indian-White Relations (A-F only; prereq 1120 or instructor consent; meets LECD req of LECD CAT8)</td>
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<td>47790</td>
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<td>Red Horse, John G, 3 cr</td>
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<td>3300</td>
<td>Projects in American Indian Studies (max crs 10; 10 repeats allowed; A-F only; prereq 1103, instructor consent)</td>
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<td>46099</td>
<td>001 IND; Red Horse, John G, 1-5 cr</td>
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<td>3301</td>
<td>Advanced Ojibwe (A-F only; prereq 2004 or instructor consent)</td>
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<td>63763</td>
<td>001 LEC, 06:00pm-06:30pm Th, Room TBA,</td>
<td>McGoffin, Mike, 3 cr</td>
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<td>3410</td>
<td>Fur Trade in Canada and the United States (A-F only; prereq 1120 or instructor consent)</td>
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<td>47791</td>
<td>001 LEC, 06:00pm-06:30pm W, Room TBA,</td>
<td>McGoffin, Mike, 3 cr</td>
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3030 Art in Technologies I (A-F only; prereq 1010, 1012, art or art ed major or art minor or instr consent)  
45995 002 LEC, 12:00pm-01:50pm T, VKH 131; Meets with: 47037 ART 5012; Kueg, James, 3 cr

1607 Freshman Seminar: Fundamentals of Photography (A-F only; prereq Freshman, fewer than 30 cr; credit will not be granted if credit received for 6050 LE CAT 10)  
47456 001 SEM, 02:00pm-03:50pm T, VKH 131; Dungan, Jeffrey William, 3 cr

2814 Creating Across Cultures (A-F only; meets LECD req of LECD CAT 9)  
47674 001 LEC, 08:00am-09:50am T, VKH 131; Colman, Marian, 3 cr

2900 Visual Literacy (A-F only; meets LE req of LE CAT 9)  
63628 001 LEC, 08:00am-09:15am T, VKH 131; Kueg, James, 3 cr

3922 Graphic Design II (A-F only; prereq 2911, graphic design major or instr consent)  
49177 001 LEC, 10:00am-11:50am T, VKH 131; Kitto, Rob, 3 cr

3933 Graphic Design III (A-F only; prereq 2922, graphic design major or instr consent)  
46097 001 LEC, 02:00pm-03:50pm W, ABAH 135; 02:00pm-03:50pm M, VKH 131; Rock, Joellyn Jean, 3 cr

4100 Painting III (max crs: 3; repeats allowed; A-F only; prereq 3100, art or art ed major or art minor or instr consent; no Grad School credit)  
45994 001 LEC, 10:00am-11:50am T, VKH 131; Meets with: 45993 ART 3100; Gindy, Adu Alexander, 3 cr

4191 Individual Study in Painting (max crs: 8; repeats allowed; A-F only; prereq 2 Two sem painting, instructor consent; no Grad School credit)  
45995 001 IND; Gindy, Adu Alexander, 1-3 cr

4300 Printmaking III (max crs: 6; repeats allowed; A-F only; prereq 3300, art or art ed major or art minor or instr consent)  
46171 001 LEC, 02:00pm-03:50pm MW, H 338, 02:00pm-03:50pm MW, H 338; Meets with: 46870 ART 3300, 48025 ART 1301; Repinski, Robert A, 3 cr

4491 Individual Study in Ceramics (max crs: 6; A-F only; prereq 3400, art or art ed major or art minor or instr consent; no Grad School credit)  
45997 001 LEC, 02:00pm-03:50pm T, VKH 131; Meets with: 45986 ART 3400; Kueg, James, 3 cr

4691 Individual Study in Photography (max crs: 8; repeats allowed; A-F only; prereq 2 sem photography, department consent)  
46173 001 IND; Kueg, James, 1-3 cr

4700 Drawing III (max crs: 8; repeats allowed; A-F only; prereq 2900, 3600, art or art ed major or art or photography minor or instr consent)  
46156 001 LEC, 10:00am-11:50am MW, ABAH 135; 10:00am-11:50am MW, VKH 131; Brush, Gloria De, 3 cr

48671 001 IND; Brush, Gloria De, 1-3 cr

47963 002 IND; Dungan, Jeffrey William, 1-3 cr

47919 002 IND; Dietrich, Jennifer Lee, 1-3 cr

4812 Senior Seminar (A-F only; prereq 9 or instructor consent; no Grad School credit)  
46869 001 SEM, 12:00pm-01:15pm MW, Cina 16; Brush, Gloria De, 3 cr

63658 003 SEM, 06:00pm-08:40pm Th, ABAH 345; Dungan, Jeffrey William, 3 cr

This information is accurate as of: 11/5/2004
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Section</th>
<th>Time</th>
<th>Day</th>
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<tr>
<td>1087</td>
<td>LEC</td>
<td>09:00-10:45 AM</td>
<td>MWF</td>
<td>Room TBA, DULUTH</td>
<td>Itami, Joanne K</td>
<td>3 cr</td>
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<tr>
<td>1092</td>
<td>LEC</td>
<td>09:00-10:45 AM</td>
<td>MWF</td>
<td>Room TBA, DULUTH</td>
<td>Klemmer, A R</td>
<td>3 cr</td>
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<tr>
<td>2011</td>
<td>LAB</td>
<td>02:00-02:50 PM</td>
<td>W, LSci 314</td>
<td>3 cr</td>
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<td>2012</td>
<td>LEC</td>
<td>09:00-10:50 AM</td>
<td>MWF</td>
<td>Room TBA, DULUTH</td>
<td>Klemmer, A R</td>
<td>3 cr</td>
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<td>2801</td>
<td>LEC</td>
<td>09:00-10:50 AM</td>
<td>MWF</td>
<td>Room TBA, DULUTH</td>
<td>Klemmer, A R</td>
<td>3 cr</td>
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<tr>
<td>2803</td>
<td>LAB</td>
<td>10:00-12:15 PM</td>
<td>W, LSci 310</td>
<td>3 cr</td>
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<td>2804</td>
<td>LEC</td>
<td>09:00-10:50 AM</td>
<td>MWF</td>
<td>Room TBA, DULUTH</td>
<td>Klemmer, A R</td>
<td>3 cr</td>
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<tr>
<td>3701</td>
<td>LEC</td>
<td>09:00-10:50 AM</td>
<td>MWF</td>
<td>Room TBA, DULUTH</td>
<td>Klemmer, A R</td>
<td>3 cr</td>
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<tr>
<td>3993</td>
<td>LEC</td>
<td>09:00-10:50 AM</td>
<td>MWF</td>
<td>Room TBA, DULUTH</td>
<td>Klemmer, A R</td>
<td>3 cr</td>
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<tr>
<td>3997</td>
<td>LEC</td>
<td>09:00-10:50 AM</td>
<td>MWF</td>
<td>Room TBA, DULUTH</td>
<td>Klemmer, A R</td>
<td>3 cr</td>
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This information is accurate as of: 11/5/2004
2222 Quantitative Analysis Laboratory (A-F only; prereq Concurrent registration required (or allowed) in Chem 2222.)
46396 001 LAB, 10:00am-10:50am MWF, LSC 175; Evans, John F., 3 cr
2223 Quantitative Analysis Laboratory (A-F only; prereq Concurrent registration required (or allowed) in Chem 2222.)
47322 001 LAB, 02:00pm-02:45pm M, Chem 232; Evans, John F., 1 cr
47323 002 LAB, 09:00am-11:00am T, Chem 232; Evans, John F., 1 cr

2521 Organic Chemistry I (A-F only; prereq 1152 or 1162)
46538 002 LAB, 02:30pm-04:20pm M, Chem 206; Meets with: 46540 CHEM 2521, 46251 CHEM 2522, 4 cr
46539 003 LAB, 09:00am-10:50am T, Chem 206; Meets with: 46652 CHEM 2522, 4 cr
46540 004 LAB, 10:00am-11:50am Th, Chem 206; Meets with: 46538 CHEM 2521, 46251 CHEM 2522, 4 cr

2522 Organic Chemistry II (max crs 5; A-F only; prereq 2521)
46561 001 LEC, 01:00pm-01:50pm MWF, Chem 200; Carlson, Robert M
46651 002 LAB, 11:00am-12:50pm M, W, T, Chem 200; Meets with: 46132 CHEM 1114, 4 cr
46562 003 LAB, 09:00am-10:50am T, Chem 206; Meets with: 46539 CHEM 2521, 4 cr
46653 004 LAB, 12:00pm-01:50pm Th, Chem 206; Meets with: 46656 CHEM 2522, 46252 CHEM 2522, 4 cr
46564 005 LAB, 02:30pm-04:20pm T, Chem 206; Meets with: 46565 CHEM 2522, 46251 CHEM 2522, 4 cr
46565 006 LAB, 02:30pm-04:20pm Th, Chem 206; Meets with: 46536 CHEM 2522, 4 cr
46566 007 LAB, 09:00am-10:50am W, Chem 206, 4 cr
46567 008 LAB, 09:00am-10:50am Th, Chem 206; Meets with: 46133 CHEM 1114, 4 cr
46568 009 LAB, 12:00pm-01:50pm Th, Chem 206; Meets with: 46653 CHEM 2522, 46252 CHEM 2522, 4 cr
46569 010 LAB, 02:30pm-04:20pm Th, Chem 206; Meets with: 46660 CHEM 2522, 46252 CHEM 2522, 4 cr
46570 011 LAB, 10:00am-11:50am Th, Chem 206; Meets with: 46659 CHEM 2522, 46252 CHEM 2522, 4 cr
47518 012 LAB, 10:00am-11:50am F, Chem 206; Meets with: 46413 CHEM 1114, 4 cr
48251 013 LAB, 02:30pm-04:20pm MW, Chem 206; Meets with: 46538 CHEM 2521, 46450 CHEM 2521, 5 cr
48252 014 LAB, 12:00pm-01:50pm Th, Chem 206; Meets with: 46653 CHEM 2522, 46568 CHEM 2522, 46565 CHEM 2522, 4 cr

3184 Undergraduate Seminar (max crs 2; S-N only; prereq BS chem or biochem/molecular bio majors)
46395 001 SEM, 02:00pm-02:50pm F, Room TBA, DULUTH; Chang, Leng Chee; Rumbley, Jon N; Nemykin, Viktor N., 3 cr

3194 Undergraduate Research (max crs 3; 6 repeats allowed; S-N only; prereq Department consent)
46462 001 IND, 1-3 cr

3322 Biochemistry (A-F only; prereq 2522)
46398 001 LEC, 12:00pm-12:50pm MWF, Chem 200, 3 cr

3324 Biochemistry Laboratory (A-F only; prereq Registration is required (or allowed) for 3322)
46940 001 LAB, 02:00pm-04:50pm M, MATH 55, 1 cr
46941 002 LAB, 08:00am-10:50am W, MATH 55, 1 cr
46942 003 LAB, 09:00am-11:50am Th, MATH 55, 1 cr
46943 004 LAB, 09:00am-11:50am Th, MATH 55, 1 cr

4242 Instrumental Analysis (A-F only; prereq 2222, 46252 or 4642)
46765 001 LEC, 01:00pm-01:50pm MWF, Room TBA, DULUTH; Poe, Donald Patrick, 3 cr

4243 Instrumental Chemistry Laboratory (A-F only; prereq Concurrent registration required (or allowed) in Chem 4242)
47328 001 LAB, 02:00pm-04:45pm MWF, Chem 342; Poe, Donald Patrick, 2 cr
76798 002 LAB, 09:00am-11:50am TTh, Chem 342; Poe, Donald Patrick, 2 cr

4341 Biochemistry (A-F only; prereq 2522, Math 1296; Physical Chem recommended)
46766 001 LEC, 08:00am-09:50am Th, Chem 150, 4 cr

4363 Biochemistry Laboratory (A-F only; prereq 2222, 3322 or concurrent registration for 3322 with instructor consent or 341 or concurrent registration for 4341)
46944 001 LAB, 01:00pm-04:50pm T, MATH 55, 2 cr
46945 002 LAB, 01:00pm-04:50pm Th, MATH 55, 2 cr

4642 Physical Chemistry II (A-F only; prereq 4641)
46457 001 LEC, 08:00am-08:50am MWF, Chem 150; Siders, Paul D, 3 cr

4644 Physical Chemistry Laboratory II (A-F only; prereq Concurrent registration is allowed (or required) in Chem 4642)
47329 001 LAB, 02:00pm-04:50pm T, Chem 342; Siders, Paul D, 1 cr
48254 002 LAB, 02:00pm-04:50pm Th, Chem 342; Siders, Paul D, 1 cr

5150 Organic and Stable Isotope Biogeochemistry (A-F only; prereq Chem 1152 or 1162 or instr consent, Geol 1110 or 2610 or instr consent, Biol 1012 or instr consent, upper level undergrad or grad standing in the sciences or engineering or instr consent , Chem 2222 and 2521 (recommended))
67603 @001 LEC, 08:00am-09:15am TTh, Library 409, instruction mode: Distance Education Other, Werne, Josef P, 3 cr

5714 Applications of Spectroscopy (A-F only; prereq 5774)
46475 001 LEC, 09:00am-09:50am MWF, Room TBA, DULUTH; Chang, Leng Chee; Rumbley, Jon N; Nemykin, Viktor N., 3 cr

5725 Intermediate Analytical Chemistry (A-F; prereq 4042 or equivalent or instructor consent)
66509 001 LEC, 05:00pm-06:15pm MW, Chem 155, instruction mode: Distance Education On-Site; Evans, John F, 3 cr

5754 Synthesis (A-F only; prereq 5774)
46481 001 LEC, 12:00pm-01:15pm MW, H480; Nemykin, Viktor N.; Siders, Paul D; Tattiana; Rededy, Venkatram, R, 3 cr

5994 Directed Research in Chemistry (max crs 9; 3 repeats allowed; prereq or grad in the sciences or engineering or instructor consent)
48104 001 DRS, 1-3 cr

8184 Seminar (S-N only; prereq Grad chem major or instructor consent)
46484 001 LEC, 09:00am-10:15am MW, Chem 115; Siders, Paul D, 3 cr

8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
45728 001 DRS, 1 cr

8424 Advanced Inorganic Chemistry (A-F only; prereq 5774)
67602 001 LEC, 12:00pm-01:50pm Th, Chem 200, instruction mode: Distance Education On-Site; Kiprof, Paul, 4 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
47071 001 DRS, 1 cr

This information is accurate as of: 11/5/2004
### Spring 2005

**Coaching and Officiating Softball**
- **46101**: 003 LEC, 10:00am-10:50am MW, ABAB, 435; Blais, Angela Lynn, 3 cr
- **46102**: 004 LEC, 11:00am-11:50am MW, ABAB, 435; Blais, Angela Lynn, 3 cr
- **46105**: 005 LEC, 12:00pm-12:50pm MW, ABAB, 435; Blais, Angela Lynn, 3 cr
- **46108**: 007 LEC, 02:00pm-02:50pm MW, ABAB, 435, 3 cr
- **46109**: 008 LEC, 03:00pm-03:50pm MW, ABAB, 435; Hoffman, Jill, 3 cr
- **46109**: 009 LEC, 04:00pm-05:15pm MW, ABAB, 435; 1 seat reserved for Continuing Education; Hoffman, Jill, 3 cr
- **46104**: 010 LEC, 06:00pm-08:30pm M, ABAB, 435; Carlson, Kristin Hope, 3 cr
- **46105**: 011 LEC, 08:00am-09:15am TTh, ABAB, 435; Farrell, Jean E, 3 cr
- **47021**: 012 LEC, 09:30am-10:45am TTh, ABAB, 435; Kneeland, Todd, 3 cr
- **47022**: 013 LEC, 09:30am-10:45am TTh, ABAB, 435; Lewis, Geri Lee, 3 cr
- **47024**: 014 LEC, 11:00am-12:15pm TTh, ABAB, 435; Farrell, Jean E, 3 cr
- **47024**: 014 LEC, 11:00am-12:15pm TTh, ABAB, 435; Hofman, Jill, 3 cr
- **47024**: 014 LEC, 11:00am-12:15pm TTh, ABAB, 435; Carlson, Kristin Hope, 3 cr
- **47030**: 090 LEC, 09:00am-09:30pm TTh, ABAB, 425; 6 seats reserved for Continuing Education; Titus, Barbara Jean, 3 cr

#### Interpersonal Communication

**1222 Interpersonal Communication**
- (A-F only; meets LECD req of LECD Cat3)
- **46101**: 001 LEC, 08:00am-08:50am MW, ABAB, 435; Hansen, John Francis, 3 cr
- **46107**: 002 LEC, 09:00am-09:50am MW, ABAB, 435; Blais, Angela Lynn, 3 cr
- **46108**: 007 LEC, 10:00am-10:50am MW, ABAB, 435; Lewis, Geri Lee, 3 cr
- **46110**: 004 LEC, 11:00am-11:50am MW, ABAB, 435; Hansen, John Francis, 3 cr
- **46110**: 004 LEC, 11:00am-11:50am MW, ABAB, 435; Hansen, John Francis, 3 cr
- **46113**: 011 LEC, 12:30pm-01:45pm TTh, ABAB, 435; Carlson, Kristin Hope, 3 cr
- **47025**: 012 LEC, 09:00am-10:45pm TTh, ABAB, 435; Vucetic, Trista, 3 cr
- **47026**: 016 LEC, 01:00pm-02:15pm TTh, ABAB, 435; Kneeland, Todd, 3 cr
- **47027**: 017 LEC, 03:00pm-04:15pm TTh, ABAB, 435; Vucetic, Trista, 3 cr
- **47330**: 090 LEC, 09:00am-09:30pm TTh, ABAB, 425; 6 seats reserved for Continuing Education; Titus, Barbara Jean, 3 cr

#### Communication and Technology in the Information Age

**1223 Communication and Technology in the Information Age**

#### Special Topics:

**3300 Teaching Assistantship in Communication**
- max crs 6; 6 repeats allowed; S-N only: prereq 60 cr Comm major or minor, instructor consent, may not be applied to elective cr or for a Comm major or minor)
- **46116**: 001 LAB, Nelson, Elizabeth Jean, 1-3 cr

#### Media Communications

**3395 Special Topics (Various Titles to be Assigned)**
- max crs 6; A-F only
- **46858**: 001 LEC, 12:00pm-12:50pm MW, ABAB, 425; Fedik, Thomas A, 3 cr; T, Public Relations
- **46857**: 002 LEC, 03:00pm-03:50pm MW, ABAB, 425; Fedik, Thomas A, 3 cr

#### Ethics in Human Communication

**3350 Principles of Persuasion**
- (A-F only; prereq Soc Sci course or instructor consent)
- **47458**: 001 LEC, 09:00am-09:50am MW, ABAB, 445; Goei, Ryan Christopher, 3 cr

#### Media Communications

**3505 Media Communications**
- (A-F only; prereq Comp 1021)
- **47159**: 090 LEC, 06:00pm-08:30pm T, ABAB, 445; Gear, Michael W, 3 cr

#### Communication in Organizations

**3600 Communication in Organizations**
- (A-F only; meets LECreq of LE CAT3)
- **47469**: 009 LEC, 06:00pm-07:50pm T, FH 25; Cane, Greg P, 3 cr

#### Intercultural Communication

**3504 Intercultural Communication**
- (meets LEIP req of LEIP Cat6)
- **47289**: 090 LEC, 06:00pm-08:00pm T, ABAB, 445; 3 seats reserved for Continuing Education; Sunafrahn, Michael J, 4 cr

#### Persuasion and Argumentation in Public Speaking

**3115 Persuasion and Argumentation in Public Speaking**
- (A-F only; prereq 1112, 2025)
- **47410**: 001 LEC, 11:00am-12:40pm TTh, ABAB, 425; 1 seat reserved for Continuing Education; Nelson, Elizabeth Jean, 4 cr

## College of Education & Human Service Professions

### College of Education & Human Service Professions

**3100 Sports Science for Coaches**
- (A-F only; coaching minor, not open to pe or sci maj toskors)
- **46662**: 001 LEC, 12:00pm-12:50pm MW, SPHC 212; Hawkins, Kenneth J, 2 cr

**3116 Care and Prevention of Sport Injuries**
- (A-F only; prerequisite of coaching minor or PE pre-major or candidate or instructor consent)
- **47196**: 001 LEC, 09:30am-10:45am THH, SPHC 21; Fleiszser, Brian A, 3 cr

**3150 Coaching Methods**
- (A-F only; prerequisite of coaching minor or instructor consent)
- **46485**: 001 LEC, 11:00am-11:50am MW, SPHC 208; Millisagte, Duane G, 2 cr

**3160 Psychological Aspects of Coaching**
- (A-F only; prerequisite of coaching minor or instructor consent)
- **46557**: 001 LEC, 10:00am-10:50am MW, SPHC 208; Millisagte, Duane G, 2 cr

**3161 Administrative Aspects of Coaching**
- (A-F only; prerequisite of coaching minor or instructor consent)
- **45980**: 001 LEC, 09:30am-10:20am TTh, SPHC 210; Collins, Donald T, 2 cr

**3174 Coaching and Officiating Soccer**
- (A-F only; prerequisite of coaching minor or instructor consent)
- **46966**: 001 LEC, 06:00pm-07:00pm T, SPHC 210; Lundstrom, Edmond Faye, 2 cr

**3179 Coaching and Officiating Softball**
- (A-F only; prerequisite of coaching minor or instructor consent)
- **46687**: 001 LEC, 06:00pm-07:00pm W, SPHC 212; Haller, William J, 2 cr

**3991 Independent Study**
- (A-F only; prerequisite of coaching minor and instr consent)
- **46690**: 001 IND; Collins, Donald T, 2 cr

**3997 Coaching Practicum**
- (S-N only; prerequisite 18 cr in coaching minor and instr consent)
- **46117**: 001 PRC; Collins, Donald T, 1 cr

## College of Liberal Arts

### College of Liberal Arts

**1000 Human Communication Theory**
- (A-F only; meets LE req of LE CAT3)
- **46095**: 001 LEC, 01:00pm-01:50pm MW, Bohn H; Goei, Ryan Christopher, 3 cr

**1112 Public Speaking**
- (A-F only; meets LE req of LE CAT3)
- **46099**: 001 LEC, 08:00am-08:50am MW, ABAB, 435; Blais, Angela Lynn, 3 cr

**46100**: 002 LEC, 09:00am-09:50am MW, ABAB, 435; Hansen, John Francis, 3 cr

## This information is accurate as of: 11/5/2004
### University of Minnesota - Class Schedule for Duluth Campus Spring 2005

**COMPOSITION (Comp)**

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**College of Liberal Arts**

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**Humanities**

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**Human Communication Disorders (HCD)**

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**Language Disorders in Children and Adolescents (LDCD)**

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<tr>
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**Medical Language Studies (MLS)**

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<td>Medical Language Studies</td>
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**Pathology**

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**Portfolio Development**

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**Practicums (PRC)**

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<td>10:00am-11:00am</td>
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<td>3 cr</td>
<td>11:00am-12:00pm</td>
<td>MW, H 206</td>
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**Seminar (SEM)**

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<td>11:00am-12:00pm</td>
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<td>3 cr</td>
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This information is accurate as of: 11/5/2004
### COMPUTER SCIENCE (CS)

#### College of Science & Engineering

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<td>Webinar, 3 cr</td>
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**Note:** This information is accurate as of: 11/5/2004
0901 Introduction to Early Childhood Montessori (prereq CSt major; concurrent registration is required or allowed; for CSt Ed Lic Req) 47017 001 LEC, 08:00am-09:50am M, MonH 108, 2 cr 47032 002 LEC, 05:00pm-06:40pm M, MonH 151, 2 cr 3010 Programs for Education of Young 47632 001 LEC, 12:00pm-12:15pm T, BohH 112; (Practicum arr); Mitchell, Lorraine Marie, 5 cr children: Birth-Age Eight 46917 001 LEC, 12:30pm-02:45pm TTh, MonH 151; (Practicum arr); Mitchell, Lorraine Marie, 4 cr 47601 001 LEC, 09:00am-11:50am M, Room TBA, DULUTH; (Practicum arr); Mitchell, Lorraine Marie, 3 cr 46702 001 LEC, 10:00am-11:50am T, BohH 112; (Practicum arr); Mitchell, Lorraine Marie, 3 cr 3006 Early School Years (A-F only; prereq Pre-EIEd major, concurrent registration is required or allowed) for EIEd 1010.) 3090 Observing and Guiding Behavior: Birth- Age Eight (prereq ECh major, concurrent registration is required or allowed) in the following: 3030, 4011, SpEd 3103) 46701 001 LEC, 12:30pm-02:45pm TTh, MonH 151; (Practicum arr); Wohltuter, Kay A.; Mitchell, Lorraine Marie, 5 cr 3040 Critical Connections During the Early Years 46729 001 IND, 1-4 cr (A-F only; prereq 7030, collegiate grad program admission or instr consent) 76753 001 LEC, 08:00am-09:30am M, MonH 121, 1022 Principles of Economics: Micro 49398 002 LEC, 12:00pm-12:45pm T, BohH 122; (Practicum arr); Mitchell, Lorraine Marie, 4 cr (prereq Concurrent registration is required or allowed) in the following: 4011, SpEd 3103) 46733 001 LEC, 09:00am-11:40am F, MonH 121; (Practicum arr); Orchonjil, Jacqueline Arriri, 5 cr 4009 Early Childhood Administration 46444 001 LEC, 10:00am-11:50am M, MonH 203; Riordan, Kim E., 2 cr (A-F only; prereq instructor consent; no Grad School credit) 46251 Parenting (A-F only; prereq ECh major, Educ 1000 or Psy 3011, SpEd 3103.) 46702 001 LEC, 10:00am-12:15pm TTh, MonH 151; (Practicum arr); Riordan, Kim E., 4 cr 46445 001 LEC, 09:00am-09:50am M, MonH 108, 2 cr 1023 Principles of Economics: Micro 49491 002 LEC, 12:00pm-12:45pm T, BohH 122; (Practicum arr); Mitchell, Lorraine Marie, 4 cr (A-F only; prereq Cannot apply cr to econ major or minor or BAc or BBA majors; meets LE req of LE CAT 6) 46718 001 LEC, 02:00pm-02:50pm MW, LScI 175; Anderson, Curt W., 3 cr 4011 and SpEd 3105) 46720 001 LEC, 12:00pm-12:15pm T, BohH 122; (Practicum arr); Onchwari, Jacqueline Ariri, 5 cr 7200 003 LEC, 03:00pm-04:15pm MW, MonH 110; 3 seats reserved for Continuing Education; Oleas, Sebastian, 3 cr 2030 Applied Statistics for Business and Economics (A-F only; prereq Min 30 cr; credit will not be granted if credit received for Econ 2020, Stat 4111, Stat2411, Stat3161, Soc3151, Psy3020) 47751 001 LEC, 02:00pm-03:15pm MW, SBE 36; 37 seats reserved for LSBE Students; Meets with: 47752 ECON 2030, 47753 ECON 2030; Doorn, David J., 3 cr
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<td>(A-F only; prereq Admission to EdSe program, concurrent registration is required (or allowed) for 3204)</td>
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46935 001 CST; Johns, Alan M, 1 cr
47894 001 CST; Johns, Alan M, 1 cr
132 seats reserved for LSBE Students; Meets with: 67562 FMIS 2201; Person PhD, Henry B, 3 cr
46661 001 CLN; Adams, Jeffrey L, 13 cr
FINANCE & MANAGEMENT INFORMATION (FMS) School of Business & Economics
2201 Information Technology in Business (A-F only; prereq: Credit will not be granted if credit has been received for: 1201 or 3201 or CS 1011, LSBE student or IS concurrent registration is required (or allowed) in T majors, min 15 cr or college consent)
47894 001 LEC, 08:00am-09:15am TTh, SpHC 21; Britton, Susan (Suz), 3 cr
3642 Therapeutic Exercise (A-F only; prereq 3640, athletic training major, Credit will not be granted if credit has been received for: 47894 001 LEC, 08:00am-09:15am TTh, SpHC 21; Britton, Susan (Suz), 3 cr
3698 Clinical Experiences in Athletic Training IV (A-F only; prereq 4697, Athletic Training major)
47895 001 CLN; Britton, Susan (Suz); Wendinger, Michael J, 2 cr
3698 Clinical Experiences in Athletic Training VI (A-F only; prereq 4697, Athletic Training major, no Grad School credit)
47904 001 CLN; Dewald, Lori L, 2 cr
4710 Applied and Experimental Exercise Science (A-F only; prereq 4700 or PEP 5700 or instr consent, exercise science major, 90 cr; Credit will not be granted if credit has been received for: PEP 5901; no Grad School credit)
47905 001 LEC, 02:00pm-04:00pm MW, SpHC 201; Levy, Morris, 4 cr
4996 Internship (A-F only; 4 repeats allowed; S-N only; prereq 3420, pe and instr consent; no Grad School credit. Credit will not be granted if credit has been received for: PEP 4996)
46571 001 IEX; Harkins, Kenneth J, 12 cr
FAMILY MEDICINE (FMed) Duluth School of Medicine
5591 Independent Study (max crs 12; 12 repeats allowed; prereq Department consent)
47323 001 LAB; Adams, Jeffrey L, 1-8 cr
6101 Family Medicine (P-N only; prereq Regis med student)
47020 001 LEC; Nordheim, Glenn Herbert, 2 cr
6442 Clinical Rounds and Clerkship II (O-N; prereq Regis med student)
46688 001 CLN; Adams, Jeffrey L, 2 cr
46685 001 CLN; Boulier, James G, 2 cr
6502 Clinical Pathology Conferences II (P-N; prereq Regis med student)
46686 001 CLT; Johnson, Alan M, 1 cr
7100 Clinical Family Medicine (max crs 117; 9 repeats allowed; P-N only; prereq Department consent; no grad credit)
46661 001 CLN; Adams, Jeffrey L, 13 cr
47894 001 CST; Johns, Alan M, 1 cr
47894 001 CST; Johns, Alan M, 1 cr
1900 Business Communications (A-F only; prereq 3603; or Ecom major or college consent)
46157 001 LEC; 09:00am-09:50am MW, SBE 40; 27 seats reserved for LSBE students; Meets with: 46157 FMIS 3141; Peterson, Nancy J, 3 cr
46896 002 LEC; 09:00am-09:50am MW, SBE 40; 3 seats reserved for Ecom major; Meets with: 46157 FMIS 3141; Peterson, Nancy J, 3 cr
46158 003 LEC; 09:00am-09:50am MW, SBE 40; 27 seats reserved for LSBE candidates; Meets with: 46897 FMIS 3141; Steneman, Heather Miernicki, 3 cr
46186 001 LEC; 09:00am-09:50am MW, SBE 40; 27 seats reserved for LSBE candidates; Meets with: 46897 FMIS 3141; Steneman, Heather Miernicki, 3 cr
46962 001 LEC; 09:00am-09:50am MW, SBE 40; 27 seats reserved for LSBE candidates; Meets with: 46897 FMIS 3141; Steneman, Heather Miernicki, 3 cr
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3702 Geography of the United States and Canada
(A-F only; prereq: 25 cr inc 6 cr Geog or instructor consent)
63698 090 LEC, 06:00pm-08:30pm T, Cina 316; Knopp, Lawrence M, 3 cr

3712 Geography of Latin America
(A-F only; prereq: 25 cr inc 6 cr Geog or instructor consent)
63699 011 LEC, 02:00pm-03:40pm MW, Cina 316; Farrell, Pat, 4 cr

3991 Independent Study in Geography
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent)
45962 001 IND, 04:00pm-05:40pm M, Cina 316; Freundschuh, Scott, 1-4 cr

3997 Internship in Geography
(max crs 6; 6 repeats allowed; prereq Geog major, 60 or cr instructor consent)
46619 001 IEX, 04:00pm-04:50pm T, Cina 316; Freundschuh, Scott, 1-6 cr

5541 Environmental Application of GIS
(A-F only; meets LE req of LE CAT4)
47346 001 LAB, 06:00pm-09:20pm W, Cina 316; Zhu, Tongxin, 4 cr

5543 Advanced Cartographic Methods
(A-F only; prereq: 3322, Stat 1411, 60 or incl 12 cr geog or grad student or instructor consent)
47347 012 LEC, 12:00pm-01:50pm TTh, Cina 324; Freundschuh, Scott, 4 cr

5612 Field Techniques
(max crs 6; 6 repeats allowed; geog grad student or instructor consent)
46619 001 IEX, 04:00pm-04:50pm T, Cina 316; Freundschuh, Scott, 1-6 cr

5995 Special Topics: (Various Titles to be Determined)
(max crs 6; 6 repeats allowed; A-F only; prereq Max 4 cr can be applied to Graduate School program; instructor consent)
45970 001 IND, 04:00pm-04:50pm W, Cina 316; Freundschuh, Scott, 1-4 cr

5997 Senior Project in Geography
(max crs 4; A-F only; prereq Instructor consent; Max 3 cr can be applied to Grad School program)
46910 001 DRS, 01:00pm-03:50pm F, Cina 316; Freundschuh, Scott, 3-4 cr

1110 Geology and Earth Systems
(A-F only; meets LE req of LE CAT 4)
63625 091 LAB, 07:30pm-08:25pm TTh, LSci 126; 4 cr seats reserved for Continuing Education; Morton, Ronald L, 4 cr

1120 Life and Death of the Dinosaurs
(A-F only; meets LE req of LE CAT 5)
47819 001 LEC, 09:30am-10:45am TTh, LSci 185; 1 cr seat reserved for Continuing Education; Demko, Timothy Michael, 3 cr

1130 Introduction to Environmental Science
(A-F only; meets LE req of LE CAT 4)
63604 001 LAB, 08:00am-10:50am M, LSci 126; 3 cr
63605 003 LAB, 11:00am-12:50pm M, LSci 126; 3 cr
63606 004 LAB, 02:00pm-03:50pm T, LSci 126; 3 cr
63607 005 LAB, 10:00am-11:50am W, LSci 126; 3 cr
63608 006 LAB, 04:00pm-05:50pm W, LSci 126; 3 cr
63609 007 LAB, 08:00am-09:00am Th, LSci 126; 3 cr
63670 008 LAB, 12:00am-01:00pm Th, LSci 126; 1 cr seat reserved for Continuing Education; 63708 009 LAB, 08:00am-09:00am F, LSci 126; 3 cr

2110 Earth History
(A-F only; prereq: 1110 or 1130 or 2610 or Ast 1040 or instr consent; $25.00 course fee in addition to tuition)
63623 001 LEC, 09:00am-09:50am MW, Room TBA, DULUTH; Meets with: 47348 GEOL 2110; Demko, Timothy Michael, 4 cr
63802 002 LAB, 10:00am-11:50am Th, LSci 120; 4 cr
63803 003 LAB, 10:00am-11:50am Th, LSci 120; 4 cr

2312 Petroleiology
(A-F only; prereq: 2311; $40.00 course fee in addition to tuition)
63620 001 LEC, 09:00am-09:50am Th, HH 120; Goodge, John William, 4 cr
64623 002 LAB, 10:00am-11:50am Th, HH 120; 4 cr

3100 Earth’s Climate and Environment: Past and Future
(A-F only; prereq: 1110 or 1130 or 2610)
63809 001 LEC, 09:00am-10:15am TTh, Room TBA, DULUTH; Gallup, Christina D, 3 cr

3210 Geomorphology
(A-F only; prereq: 1110, Math 1250 or instr consent, Credit will not be granted if credit has been received for: 2210)
47352 001 LAB, 08:00am-09:50am TTh, LSci 126; 3 cr
47353 002 LAB, 10:00am-11:50am F, LSci 126; 3 cr

4110 Advanced Earth Science for Teachers
(A-F only; prereq: Teaching earth and space sciences or grad student or instructor consent)
48154 001 LEC, 02:00pm-03:50pm Th, HH 120; Miller, Jim, 2 cr

4450 Structural Geology
(A-F only; prereq: 4420; Credit will not be granted if credit has been received for: 3520)
63626 001 LEC, 01:00pm-02:50pm MW, Room TBA, DULUTH; Hansen, Vicki L, 4 cr
63754 002 LAB, 08:00am-09:50am MW, Room TBA, DULUTH; Hansen, Vicki L, 4 cr

5091 Geologic Problems
(max crs 4; 4 repeats allowed; prereq Graduate Student or instructor consent)
64644 001 DST, 1-2 cr

5240 Physical Hydrogeology
(A-F only; prereq: 2110, Phys 2111, Math 1296 or Math 1290 or instr consent)
63601 001 LEC, 09:00am-10:50am MW, Room TBA, DULUTH; Swenson, John B, 3 cr
63802 002 LAB, 02:00pm-04:50pm T, HH 108; Swenson, John B, 3 cr
63803 003 LAB, 10:00am-12:50pm W, HH 108; Swenson, John B, 3 cr
3591 Independent Study
(max crs 8; 8 repeats allowed; A-F only; prereq 2301 with a grade of C or higher or equiv or instr consent.)
45821 001 IND, 1-4 cr

GRADUATE SCHOOL (Grad)
UMD-Academic Administration

999 Graduate School Active Status
(90 repeats allowed; NGA; prereq Grad School Students Only)
47630 001 IND, 0 cr

HEALTH (Hlth)
College of Education & Human Service Professions

1100 Health and Wellness Strategies for Life
(A-F only; prereq Credit will not be granted if credit received for Hlth 1000; meets LE req of LE CATB)
47354 001 LEC, 09:00am-09:50am MWF, SpHC 212; Harkins, Kenneth J, 3 cr
47381 002 LEC, 11:00am-11:50am MWF, SpHC 208; Kowalczyk PhD, John P, 3 cr
47727 003 LEC, 08:00am-08:50am TTh, SpHC 207; 2 seats reserved for Continuing Education; Harkins, Charlene Gail, 3 cr
63663 004 LEC, 02:00pm-02:50pm TTh, SpHC 207; Harkins, Charlene Gail, 3 cr

1104 Health Science Terminology
(max crs 3; 3 repeats allowed; A-F only)
45846 001 DST, 12:00pm-12:50pm W, SpHC 9; Meets with: 47432 HLTH 1104, 47433 HLTH 1104; Torabene, LaDonna L, 3 cr
47432 002 DST, 12:00pm-12:50pm W, SpHC 9; Meets with: 45846 HLTH 1104; Harkins, Charlene Gail, 3 cr
47433 003 DST, 12:00pm-12:50pm W, SpHC 9; Meets with: 45846 HLTH 1104, 47432 HLTH 1104; Torabene, LaDonna L, 3 cr
45847 200 INT, 09:00am-11:50am TTh, SpHC 9; 1 seat reserved for Continuing Education; Skrbich, Karen O, 3 cr

1470 Human Nutrition
(A-F only; meets LE req of LE CAT B)
45848 001 LEC, 08:00am-09:15am T, MonH 70; 2 seats reserved for Continuing Education; Ley, Eugene Stephen, 3 cr
45849 002 LEC, 09:30am-10:45am T, MonH 70; Ley, Eugene Stephen, 3 cr
47392 003 LEC, 11:00am-11:50am MWF, LSci 185; 2 seats reserved for Continuing Education; Harkins, Charlene Gail, 3 cr
45850 200 INT, 09:00am-09:50am T, MWHAH 195; (Coursework must be completed in a UMD Computer Lab. Students must attend an introductory session on Tuesday, January 18, 2004 at 2:00pm in MWHAH 195.); Ley, Eugene Stephen, 3 cr

1600 Basic First Aid
(A-F only)
45627 001 LEC, 01:00pm-01:50pm MW, SpHC 21; Fleissner, Elizabeth A, 2 cr
45628 002 LEC, 02:00pm-02:50pm MW, SpHC 21; Fleissner, Elizabeth A, 2 cr
47413 003 LEC, 12:00pm-12:50pm TTh, SpHC 21; Skrbich, Karen O, 2 cr
66347 004 LEC, 09:00am-10:00am TTh, SpHC 21; Skrbich, Karen O, 2 cr

1650 Cardiopulmonary Resuscitation
(NGA; prereq consent)
4697 090 LEC, 06:00pm-09:00pm W, SpHC 9, 03/05/05 Tornabene, Social Term Dates: 3/28-05/07/05; 6 seats reserved for Continuing Education; Hanson, Terry Edward, 1 cr

1700 Emergency Response
(A-F only; prereq 1650 or 1600)
46640 001 LEC, 09:00am-09:50am MWF, SpHC 21; Fleissner, Elizabeth A, 3 cr
47208 002 LEC, 11:00am-11:50am MWF, SpHC 21; Fleissner, Elizabeth A, 3 cr

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<table>
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor(s)</th>
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<tr>
<td>3257</td>
<td>Modern France</td>
<td>(A-F only; prereq Math 1296 or instr. consent)</td>
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<tr>
<td>63778</td>
<td>001 LEC, 02:00pm-02:50pm MWF, ABAH 225; Yelengi, Nkasa Tekilaz, 3 cr</td>
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<tr>
<td>3264</td>
<td>Imperial Russia</td>
<td>(A-F only; prereq Hist 218; completion of 20 cr of 2xxx and above history credit received for HmCl 3335)</td>
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<tr>
<td>63695</td>
<td>001 LEC, 10:00am-10:50am MWF, ABAH 225; Pogorelskin, Alexis E, 3 cr</td>
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<tr>
<td>3316</td>
<td>US Social History, 1800-1916</td>
<td>(A-F only; see description)</td>
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<td>63779</td>
<td>001 LEC, 09:30am-10:45am TTh, Cina 102; Hannah, Eleanor L, 3 cr</td>
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<td>3335</td>
<td>From Alexander to Mohammad</td>
<td>(A-F only; prereq Credit will not be granted if credit received for HmCl 3335)</td>
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<tr>
<td>63792</td>
<td>001 LEC, 08:00am-09:15am TTh, ABAH 225; Marchese, Ron T., 3 cr</td>
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<td>3361</td>
<td>The American City</td>
<td>(A-F only; see description)</td>
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<tr>
<td>63694</td>
<td>001 LEC, 09:30am-10:45am TTh, H 314; Trolander, Judith A, 3 cr</td>
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<tr>
<td>3505</td>
<td>Colloquium for Majors</td>
<td>(max crs 12; S-N only; prereq Department consent; hist or teaching soc studies major/minor; attendance at 5 dept-approved lectures/discussions over 1-yr period; regis only during semester of 5th lect; 1 cr for attendance, 2 cr for attendance, presentation)</td>
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<td>45996</td>
<td>001 COL, 03:00pm-03:50pm W, ABAH 225; Hannah, Eleanor L, 1-2 cr</td>
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<td>3515</td>
<td>Modern Africa</td>
<td>(A-F only; see description)</td>
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<td>63696</td>
<td>001 LEC, 12:00pm-12:50pm MWF, ABAH 225; Yelengi, Nkasa Tekilaz, 3 cr</td>
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<tr>
<td>3516</td>
<td>Society and Culture in 20th-Century Africa</td>
<td>(A-F only)</td>
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<tr>
<td>63716</td>
<td>001 LEC, 02:00pm-03:15pm TTh, ABAH 2245; Yelengi, Nkasa Tekilaz, 3 cr</td>
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<tr>
<td>3726</td>
<td>Modern Middle East: 18th Century-Present</td>
<td>(A-F only; see description)</td>
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<tr>
<td>47674</td>
<td>001 LEC, 02:00pm-03:15pm TTh, ABAH 235; Stanfield-Johnson, Rosemary, 3 cr</td>
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<tr>
<td>5094</td>
<td>Directed Research</td>
<td>(max crs 12; 3 repeats allowed; A-F only; prereq Instructor consent, max 4 cr may be applied to Grad School program)</td>
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<tr>
<td>46001</td>
<td>001 DRS, 4 cr</td>
<td>(max crs 8; 8 repeats allowed; prereq BSECE or BSEChE or MSEM cand, instr consent, no Grad School credit; cr will not be granted if cr received for ME4255)</td>
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**Industrial Engineering (IE)**

**College of Science & Engineering**

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<th>Course Code</th>
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<th>Instructor(s)</th>
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<tr>
<td>1225</td>
<td>Introduction to Design and Manufacturing Engineering (A-F only; see description)</td>
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<tr>
<td>47645</td>
<td>001 LEC, 03:00pm-04:50pm Th, CS 2121, BSIE or BSChE or MEHS cand or instructor consent; no Grad School credit (max crs 8; 8 repeats allowed; prereq BSECE or BSEChE or MSEM cand, instr consent, no Grad School credit; cr will not be granted if cr received for ME4255)</td>
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**Advanced Engineering Economics**

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<tr>
<td>67373</td>
<td>001 LEC, 05:00pm-08:40pm T, Library 409; Rosandich PhD, Ryan G, 3 cr</td>
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<tr>
<td>67374</td>
<td>812 LEC, 06:00pm-08:40pm T, Room TBA; (Hibbing Community College); Rosandich PhD, Ryan G, 3 cr</td>
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<tr>
<td>67375</td>
<td>813 LEC, 06:00pm-08:40pm T, Room TBA; (Mesabi Community College - Virginia); Rosandich PhD, Ryan G, 3 cr</td>
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<tr>
<td>67376</td>
<td>814 LEC, 06:00pm-08:40pm T, Room TBA; (NCROG Grand Rapids); Olson, Scott Douglas, 3 cr</td>
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<tr>
<td>67377</td>
<td>815 LEC, 06:00pm-08:40pm T, Room TBA; (Ashland CESA #12); Rosandich PhD, Ryan G, 3 cr</td>
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**Engineered Products and Services**

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<tr>
<td>65802</td>
<td>811 LEC, 3 cr</td>
<td>(max crs 8; 8 repeats allowed; prereq BSECE or BSEChE or BSME or BSEE or BMSE candidate or instr consent)</td>
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<tr>
<td>65803</td>
<td>812 LEC; (Hibbing Community College), 3 cr</td>
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<tr>
<td>65804</td>
<td>813 LEC; (Mesabi Community College - Virginia), 3 cr</td>
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<tr>
<td>65805</td>
<td>814 LEC; (NCROG Grand Rapids), 3 cr</td>
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<tr>
<td>65806</td>
<td>815 LEC; (CESE #12 Ashland WI), 3 cr</td>
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**Interdisciplinary Studies (IS)**

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<tr>
<td>3099</td>
<td>Senior Project</td>
<td>(max crs 10; A-F only; prereq IS major or instructor consent)</td>
</tr>
<tr>
<td>45968</td>
<td>001 IND, 1-10 cr</td>
<td>(max crs 10; A-F only; prereq IS major or instructor consent)</td>
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<td>8501</td>
<td>Seminar: Ethics and the Human Condition</td>
<td>(A-F only; prereq MLS candidate or department consent)</td>
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<td>46645</td>
<td>821 LEC, 06:00pm-09:50pm W, BohH 343; Fetzer, James H, 4 cr</td>
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<tr>
<td>8591</td>
<td>Directed Study</td>
<td>(max crs 8; 8 repeats allowed; A-F only; prereq MLS candidate or department consent)</td>
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<td>46642</td>
<td>821 DST, 1-8 cr</td>
<td>(max crs 8; 8 repeats allowed; A-F only; prereq MLS candidate or department consent)</td>
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INTERNATIONAL STUDIES (IntS)
College of Liberal Arts

1191 International Study
(max crs 15; 15 repeats allowed; A-F only; prereq Department consent)
46023 001 IND, 1-5 cr

3191 International Study
(max crs 15; 15 repeats allowed; A-F only; prereq Department consent)
46024 001 IND, 1-5 cr

3197 International Internship
(max crs 8; 8 repeats allowed; S-N only; prereq 50 cr; department consent; max 4 cr may be applied to IntS major)
47198 001 IEX, 1-6 cr

5197 Journalism Internship
(max crs 3; A-F only; prereq 2001, 3101, 3102 or instructor consent)
48108 001 IEX, Godsey, Christopher M, 1-3 cr

5400 Perspectives on International News
(max crs 6; S-N only; prereq Department consent)
4800 Perspectives on International News
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent, department consent)
45824 001 DST, 1-3 cr

5404 Language Teaching Methods
(A-F only; prereq FR 2001 or Gen 2001 or Span 2301 or equiv)
47286 001 LEC, 04:00pm-05:50pm MW, H 480, 4 cr

5852 Practicum in Teaching Linguistics
(A-F only; prereq 1811, 3101, 3102 or instructor consent)
46320 001 PRC, Conant, Jonathan B, 3 cr

JOURNALISM (Jour)
College of Liberal Arts

2001 Reporting and Writing I
(A-F only; prereq Comp 1120)
47903 090 LEC, 06:00pm-08:40pm M, H 484; 5 seats reserved for Continuing Education; Kragness, Lucy Marie, 3 cr

2005 History of American Journalism
(A-F only)
47859 001 LEC, 11:00am-12:15pm TTh, H 484; Digby, Drew, 3 cr

3101 News Editing
(A-F only; prereq Comp 2001, Comp 1120)
47289 001 LEC, 09:00am-10:45am TTh, H 484; Aima, Abhinav Kaul, 3 cr

3555 Research for Reporters
(A-F only; prereq Cr will not be granted if cr received for Comp 3555)
48043 001 LEC, 11:00am-11:50am MWF, H 484; Digby, Drew, 3 cr

3700 Media Law and Ethics
(A-F only; prereq Comp 1120)
48107 001 LEC, 01:00pm-01:50pm MWF, H 484; Aima, Abhinav Kaul, 3 cr

4500 Special Topics: (Various Titles to be Assigned)
(max crs 6; A-F only; prereq 2001, 3101, Comp 1120; no Grad School credit)
63600 001 LEC, 03:00pm-04:15pm M, H 484; Godsey, Christopher M, 3 cr
63661 002 LEC, 06:00pm-08:40pm T, H 484; Digby, Drew, 3 cr, T, Feature Writing

4800 Perspectives on International News
(max crs 6; S-N only; prereq No Grad School credit)
66871 001 LEC, 02:00pm-03:15pm TTh, Chem 150; Aima, Abhinav Kaul, 3 cr

5197 Journalism Internship
(max crs 3; A-F only; prereq 2001, 3100, 3700, 60 cr. or grad or instructor consent)
48108 001 IEX, Godsey, Christopher M, 1-3 cr

LABOVITZ SCHOOL OF BUSINESS AND ECONOMICS (LSBE)

School of Business & Economics

1101 The Business Environment
(A-F only; meets LE req of LE CAT3)
47444 001 LEC, 03:30pm-04:45pm TTh, LSci 175; 2 seats reserved for Continuing Education; Bolen, Tracey Alan, 3 cr

3091 Directed Study
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent, department consent)
45824 001 DSTD, 1-3 cr

4044 Language Teaching Methods
(A-F only; prereq FR 2001 or Gen 2001 or Span 2301 or equiv)
47286 001 LEC, 04:00pm-05:50pm MW, H 480, 4 cr

LINGUISTICS (Ling)
College of Science & Engineering

3401 Organizational Behavior and Management
(A-F only; meets LE req of LE CAT2)
46452 001 LEC, 04:00pm-05:50pm MW, H 468; Anderson, Heidi Rochelle, 3 cr

3701 Principles of Marketing
(A-F only; prereq 3701, LSBE cand or approved non-LSBE bus adm or college consent)
46284 001 LEC, 02:00pm-03:15pm TTh, Room TBA, DULUTH; 48 seats reserved for LSBE candidates; Meets with: 47002 MGTS 3701; Aggarwal, Praveen, 3 cr

3702 002 LEC, 02:00pm-03:15pm TTh, Room TBA, DULUTH; 6 seats reserved for Non-LSBE/Bus Adm/Mktg minor; Meets with: 46284 MGTS 3701; Aggarwal, Praveen, 3 cr

3706 003 LEC, 06:00pm-08:40pm M, Room TBA, DULUTH; 48 seats reserved for LSBE candidates; Meets with: 47003 MGTS 3701; Rochford, Linda, 3 cr

3707 004 LEC, 06:00pm-08:40pm M, Room TBA, DULUTH; 6 seats reserved for Non-LSBE/ Bus Adm/Mktg minor; Meets with: 46285 MGTS 3701; Rochford, Linda, 3 cr

3708 005 LEC, 01:00pm-01:50pm MWF, SBE 16; 41 seats reserved for LSBE candidates; Meets with: 47004 MGTS 3701; Rochford, Linda, 3 cr

3709 006 LEC, 01:00pm-01:50pm MWF, SBE 16; 15 seats reserved for Non-LSBE/Bus Adm/Mktg minor; Meets with: 46286 MGTS 3701; Meets with: 46287 MGTS 3701; Meets with: 46288 MGTS 3701; Aggarwal, Praveen, 3 cr

3711 Marketing Research
(A-F only; prereq 3701, LSBE cand or college consent)
46203 001 LEC, 02:00pm-12:50pm MWF, SBE 50; Christensen, Ethan, 3 cr

47005 002 LEC, 03:00pm-03:50pm MWF, SBE 16; Christensen, Ethan, 3 cr

3741 Fundamentals of Selling
(A-F only; prereq 3701, LSBE cand or college consent)
46294 001 LEC, 11:00am-11:50am MWF, Room TBA, DULUTH; Meets with: 66911 MGTS 3701; Powell, Vonda, 3 cr

3781 International Marketing
(A-F only; prereq 3701, LSBE cand or college consent)
47418 001 LEC, 01:00pm-01:50pm MWF, Room TBA, DULUTH; Powell, Vonda, 3 cr

47419 002 LEC, 09:30am-09:50am MWF, Room TBA, DULUTH; Powell, Vonda, 3 cr

This information is accurate as of: 11/5/2004

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### University of Minnesota - Class Schedule for Duluth Campus Spring 2005

#### 4711 Business-to-Business Marketing (A-F only; prereq: 3701, LSBE cand or college consent)
- 42649 001 LEC, 10:00am-11:15am T, SBE 140, Goel, Sanjay, 3 cr
- 42749 003 LEC, 06:00pm-08:15pm T, SBE 140, Peterson, Erik S, 3 cr

#### 4721 Advertising and Marketing Communications (A-F only; prereq 3701, LSBE cand or college consent)
- 66811 001 LEC, 03:00pm-03:50pm MWF, SBE 50; Kratz, John L, 3 cr

#### 4731 Consumer Behavior (A-F only; prereq 3701, LSBE cand or college consent)
- 64929 001 LEC, 12:30pm-01:45pm TTh, SBE 50; Vaidyanathan, Rajiv, 3 cr
- 64709 002 LEC, 06:00pm-08:40pm T, SBE 16; Vaidyanathan, Rajiv, 3 cr

#### 4741 Developing and Marketing New Products (A-F only; prereq 3701, LSBE cand or college consent)
- 66380 001 LEC, 10:00am-10:50am MWF, SBE 50; Rochford, Linda, 3 cr

#### 4781 Marketing Management and Strategy (A-F only; prereq 3701, 3711, 1 other marketing course, 90 cr; LSBE cand or grad or college consent)
- 64291 001 LEC, 08:00am-09:15am TTh, SBE 50; Aggarwal, Praveen, 3 cr
- 64135 002 LEC, 11:00am-12:15pm TTh, SBE 50; Aggarwal, Praveen, 3 cr

#### 4841 Training and Development (A-F only; prereq 3701, SBS 3801, LSBE cand or college consent)
- 64272 001 LEC, 03:30pm-04:45pm TTh, SBE 50; Mencil, Jennifer, 3 cr

#### 4851 Unions and Collective Bargaining (A-F only; prereq 3701, LSBE cand or college consent)
- 47445 001 LEC, 06:00pm-08:40pm M, SBE 50; Laumeyer, James A, 3 cr

#### 4895 Special Topics (Various Titles to be Assigned) (max crs: 9; 9 repeats allowed; A-F only; prereq LSBE cand, 3801 or college consent)
- 63810 001 SEM, 02:00pm-03:15pm TTh, SBE 50; David, Jannifer Gregory, 3 cr

### College of Liberal Arts

#### 5111 Labor Organizing (A-F only; prereq MAPL or Grad School or Collegiate Grad students or instructor consent)
- 66991 001 SEM, 01:00pm-04:00pm S, Room TBA, instruction mode: Distance Education and On-Site; Peterson, Erik S, 3 cr

#### 5115 Small Community Leadership (A-F only; prereq MAPL or Grad School or Collegiate Grad student or instructor consent)
- 66992 001 LEC, 01:00pm-04:00pm S, KPiz311, instruction mode: Distance Education and On-Site; Mageau, Michael T, 3 cr

#### 5200 Nonprofits and Civic Engagement (A-F only; prereq MAPL or Grad School or Collegiate Grad student or instructor consent)
- 66993 001 LEC, 01:00pm-04:00pm S, Cima102, instruction mode: Distance Education and On-Site, 3 cr

#### 5303 Lobbying and Intergovernmental Relations (A-F only; prereq MAPL or Grad School or Collegiate Grad student or instructor consent)
- 66994 001 LEC, 06:00pm-09:00pm F, ABAA225, instruction mode: Distance Education and On-Site, 3 cr

#### 6001 Political Process and Public Policy (prereq MAPL or Grad School or Collegiate Grad student or instructor consent)
- 66995 001 LEC, 09:00am-12:00pm S, Room TBA, instruction mode: Distance Education and On-Site; (For MAPL student only); Spano, Why, 3 cr

### MASTER OF BUSINESS ADMINISTRATION (MBA)

#### 8111 Business, Government, and Society (A-F only; prereq MBA student or college consent)
- 63873 001 LEC, 06:00pm-08:40pm W, SBE 50, 01/16-03/30/05; Castleberry Sr, Stephen Byron, 2 cr

#### 8411 Policy Formulation and Implementation (A-F only; prereq 8311, 8611, 8811, grad student or college consent)
- 46853 001 LEC, 06:00pm-08:40pm T, SBE 50; Goel, Sanjay, 3 cr

#### 84003 001 LEC, 03:00pm-09:30pm F, SBE 40, ROCHESTER, 02/04/05-03/18/05, 08:00am-12:30pm S, SBE 40, ROCHESTER, 03/19/05-03/19/05, 03:00pm-09:30pm F, SBE 40, ROCHESTER, 04/05/05-04/05/05, 08:00am-12:30pm S, SBE 40, ROCHESTER, 04/02/05-04/02/05, 05:00pm-09:30pm F, SBE 40, ROCHESTER, 04/15/05-04/15/05, 08:00am-12:30pm S, SBE 40, ROCHESTER, 04/16/05-04/16/05, 03:00pm-09:30pm F, SBE 40, ROCHESTER, 04/29/05-04/29/05, 08:00am-12:30pm S, SBE 40, ROCHESTER, 04/30/05-04/30/05, (Special term: 1/9, 1/10, 1/23, 1/24, 2/6, 2/7, 2/20, 2/21, 3 cr

#### 8501 Management Accounting (A-F only; prereq Acc 2005 or equiv, grad student or college consent)
- 63874 001 LEC, 06:00pm-08:40pm M, SBE 40; Ferroz PhD, Ehsan Habib, 3 cr

#### 8611 Financial Management (A-F only; prereq FIN 3601 or equiv, grad student or college consent)
- 63875 001 LEC, 03:00pm-09:30pm S, SBE 40, ROCHESTER, 04/05/05-04/05/05, 08:00am-12:30pm S, SBE 40, ROCHESTER, 01/22/05-01/22/05, 03:00pm-09:30pm F, SBE 40, ROCHESTER, 02/04/05-02/04/05, 08:00am-12:30pm S, SBE 40, ROCHESTER, 02/05/05-02/05/05, 03:00pm-09:30pm F, SBE 40, ROCHESTER, 03/18/05-03/18/05, 08:00am-12:30pm S, SBE 40, ROCHESTER, 03/05/05-03/05/05; Wong, Clement Chi Wai, 3 cr

#### 8991 Independent Study (max crs: 6; 6 repeats allowed; A-F only; prereq College consent)
- 46854 001 LEC, 1-3 cr

#### 8994 Directed Research (max crs: 6; 6 repeats allowed; A-F only; prereq MBA student)
- 46855 001 DRS, 1-6 cr

#### 8995 Special Topics (Various Titles to be Assigned) (max crs: 6; 6 repeats allowed; A-F only; prereq MBA or grad student)
- 67001 001 DRS, 03:00pm-09:30pm T, SBE 140, 01/04-01/13/05; Lievano, Rodrigo J, 1 cr

#### 8999 Projects in Business (max crs: 6; 6 repeats allowed; A-F only; prereq MBA or grad student, college consent)
- 47649 001 DSR, 1-3 cr
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<th>Days and Times</th>
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<td>47300</td>
<td>021 DIS, 04:00pm-04:50pm TTh, MonH 206, 5 cr</td>
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<tr>
<td>1234</td>
<td>Freshman Seminar: Topics: (Various Titles to be Assigned) (A-F only; prerequisites: few than 30 cr.; meets LE req of LE CAT2)</td>
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<td>47622</td>
<td>001 SEM, 10:00am-11:55am TTh, SCC 130; Peckham, Bruce B, 3 cr; Freshman Seminar 1005 College Algebra</td>
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<td>1259</td>
<td>Precalculus Analysis (A-F only; prerequisite: A grade of at least C- in 1005 or placement meets LE req of LE CAT2)</td>
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<td>46042</td>
<td>002 DIS, 08:00am-08:50am TTh, Cina 202, 4 cr</td>
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<td>46043</td>
<td>003 DIS, 09:00am-09:50am TTh, Chem 251, 4 cr</td>
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<td>46044</td>
<td>004 DIS, 11:00am-11:50am TTh, Cina 106, 4 cr</td>
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<td>46045</td>
<td>005 DIS, 12:00pm-12:50pm TTh, Cina 106, 4 cr</td>
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<td>1290</td>
<td>Calculus for the Natural Sciences (A-F only; prerequisite: 1250 or placement; credit will not be granted if credit received for: 1296; meets LE req of LE CAT2)</td>
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<td>46049</td>
<td>002 DIS, 08:00am-08:50am TTh, HH 302, 5 cr</td>
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<td>46050</td>
<td>003 DIS, 10:00am-10:50am TTh, ABAH 445, 5 cr</td>
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<tr>
<td>46051</td>
<td>004 DIS, 11:00am-11:50am TTh, HH 302, 5 cr</td>
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<tr>
<td>46052</td>
<td>005 DIS, 12:00am-12:50pm TTh, Cina 202, 5 cr</td>
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<tr>
<td>46053</td>
<td>006 DIS, 02:00pm-02:50pm TTh, Cina 202, 5 cr</td>
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<tr>
<td>46054</td>
<td>007 DIS, 04:00pm-04:50pm TTh, Cina 308, 5 cr</td>
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<td>46056</td>
<td>009 DIS, 08:00am-08:50am TTh, SCC 120; Pierson, Chad Michael</td>
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<tr>
<td>46057</td>
<td>010 DIS, 09:00am-09:50am TTh, H 468, 5 cr</td>
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<td>46058</td>
<td>011 DIS, 11:00am-11:50am TTh, Engr 280, 5 cr</td>
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<td>46059</td>
<td>012 DIS, 12:00pm-12:50pm TTh, H 464, 5 cr</td>
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<td>46060</td>
<td>013 DIS, 02:00pm-02:50pm TTh, SCC 120; Pierson, Chad Michael</td>
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<td>46061</td>
<td>014 DIS, 04:00pm-04:50pm TTh, Cina 102; 1 seat reserved for Continuing Education, 5 cr</td>
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<td>1297</td>
<td>Calculus II (A-F only; prerequisite: A grade of at least C- in 1290 or 1296)</td>
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<td>46063</td>
<td>002 DIS, 08:00am-08:50am TTh, MonH 206, 5 cr</td>
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<td>46064</td>
<td>003 DIS, 09:00am-09:50am TTh, BohH 104, 5 cr</td>
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<td>46065</td>
<td>004 DIS, 11:00am-11:50am TTh, LSci 170, 5 cr</td>
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<td>46066</td>
<td>005 DIS, 12:00pm-12:50pm TTh, H 468, 5 cr</td>
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<td>46067</td>
<td>006 DIS, 02:00pm-02:50pm TTh, LSci 160, 5 cr</td>
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<td>46068</td>
<td>007 DIS, 04:00pm-04:50pm TTh, Room TBA, DULUTH, 5 cr</td>
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<td>46069</td>
<td>008 DIS, 08:00am-08:50am TTh, LSci 160, 5 cr</td>
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<td>46070</td>
<td>010 DIS, 10:00am-10:50am TTh, LSci 170, 5 cr</td>
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<td>46071</td>
<td>011 DIS, 11:00am-11:50am TTh, Engr 280, 5 cr</td>
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<td>46072</td>
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<td>46073</td>
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<td>46074</td>
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<td>46075</td>
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<td>47295</td>
<td>016 DIS, 08:00am-08:50am TTh, BohH 343, 5 cr</td>
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<td>47296</td>
<td>017 DIS, 09:00am-09:50am TTh, BohH 343, 5 cr</td>
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<td>47297</td>
<td>018 DIS, 11:00am-11:50am TTh, Engr 177, 5 cr</td>
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<td>47298</td>
<td>019 DIS, 12:00pm-12:50pm TTh, ABAH 445, 5 cr</td>
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<tr>
<td>47299</td>
<td>020 DIS, 02:00pm-02:50pm TTh, Room TBA, DULUTH, 5 cr</td>
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**Mathematics (Math) College of Science & Engineering**

102 Euclidean Geometry (A-F only; prerequisite: High school algebra; the preparatory course fee is equal to 3 credits of resident tuition.)

1005 College Algebra (A-F only; prerequisite: Math placement or department consent)

1141 Mathematics for Elementary Education (A-F only; prerequisite: 1005 or pre-element major) or department consent. $61.80 course fee in addition to tuition)

1160 Finite Mathematics and Introduction to Calculus (A-F only; prerequisite: 1005; credit will not be granted if credit received for: 1296; meets LE req of LE CAT2)

3260 Differential Equations with Linear Algebra (A-F only; prerequisite: A grade of at least C- in 1297; $61.80 course fee in addition to tuition)

3280 Foundations of Mathematics and Geometry (A-F only; prerequisite: 1279; teaching math major)

3298 Calculus III (A-F only; prerequisite: A grade of at least C- in 1297; max crs 4; 4 repeats allowed; S-N only; prerequisite: Freshman Seminar)

3320 Independent Study (max crs 3; 3 repeats allowed; S-N only; prerequisite: Math major, department consent)

3322 Intermediate Analysis (A-F only; prerequisite: A grade of at least C- in 1297; max crs 4; 4 repeats allowed; S-N only; prerequisite: Freshman Seminar)

This information is accurate as of: 11/5/2004
1102 Music Theory II
(A-F Only; prereq Concurrent registration is required (or allowed) for 1421 or equivalent or passed placement proficiency)
46419 001 LEC, 08:30am-08:50am MTWHF, H 222; Rubin, Justin Henry, 3 cr
47299 002 LEC, 09:00am-09:50am MTWHF, H 222; Rubin, Justin Henry, 3 cr
1131 Voice
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
46463 001 STU 01:00pm-01:50pm Th, VKH106; (+1/2 hr arr lesson); Meets with: 46465 MU 4311; Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R; Dorn, Patricia Lynn; Thielen-Galfey, Tina, 1 cr
46875 002 STU 01:00pm-01:50pm Th, VKH106; (+3/4 hr arr lesson); Meets with: 46889 MU 4311; Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R; Dorn, Patricia Lynn; Thielen-Galfey, Tina, 2 cr
46876 003 STU 01:00pm-01:50pm Th, VKH106; (+1 hr arr lesson); Meets with: 46980 MU 4311; Inselman, Rachel Laura; Spann, Joseph S; Dorn, Patricia Lynn; Wold, Stanley R, 3 cr
1312 Piano
(A-F Only; prereq Non-music major or usic major sec instructor; may be repeated)
46493 001 STU 01:00pm-01:50pm Th, H 234; (+1/2 hr arr lesson); Meets with: 46469 MU 4321; Doty, Jeanne Alyce; Rubin, Justin Henry; Wegren, Thomas Joseph, 1 cr
46877 002 STU 01:00pm-01:50pm Th, H 234; (+3/4 hr arr lesson); Meets with: 46981 MU 4321; Doty, Jeanne Alyce; Rubin, Justin Henry; Wegren, Thomas Joseph, 2 cr
46878 003 STU 01:00pm-01:50pm Th, H 234; (+1 hr arr lesson); Meets with: 46982 MU 4321; Doty, Jeanne Alyce; Rubin, Justin Henry; Wegren, Thomas Joseph, 3 cr
1322 Piano
(A-F Only; prereq Non-music major or music major sec instr; may be repeated)
46468 001 STU (student to arrange 1/2 hr weekly lesson in 231 Humanities); Meets with: 46467 MU 4322; Doty, Jeanne Alyce; Chernyshev, Alexander; Rubin, Justin Henry; Olson, Patricia Lee; Wegren, Thomas Joseph; Steward, Lori B., 1 hr
1325 Jazz Piano
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
46497 001 STU 01:00pm-01:50pm Th, H 224; (+1/2 hr arr lesson); Meets with: 46498 MU 4325; France, Ryan J, 1 cr
46879 002 STU 01:00pm-01:50pm Th, H 224; (+1 hr arr lesson); France, Ryan J, 3 cr
1326 Jazz Piano
(max crs 15; 15 repeats allowed; A-F only; prereq Non-music major or music major sec instr; may be repeated)
46499 001 STU (student to arrange 1/2 hr weekly lesson in 231 Humanities); France, Ryan J; Jerebin, Paul Vincent, 1 cr
1328 Jazz Applied
(max crs 8; 8 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument instructor consent)
47892 001 STU (+1/2 hr lesson; to be arranged with instructor); France, Ryan J, 1 hr
1331 Organ
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
46500 001 STU 01:00pm-01:50pm Th, H 232; (+1/2 hr arr lesson); Meets with: 46501 MU 4331; Rubin, Justin Henry, 1 cr
46890 002 STU 01:00pm-01:50pm Th, H 232; (+1 hr arr lesson); Meets with: 46893 MU 4331; Rubin, Justin Henry, 3 cr
1333 Organ
(A-F Only; prereq Non-music major or music major sec instr; may be repeated)
46502 001 STU (student to arrange 1/2 hr weekly lesson in 231 Humanities); Meets with: 46503 MU 4332; Rubin, Justin Henry, 1 cr
1351 Strings
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
46504 001 STU 01:00pm-01:50pm Th, H 243; (+1/2 hr arr lesson); Meets with: 46505 MU 4331; Anderson, A; Perrault, Rudy; Osborn, Vince, 1 cr
46891 002 STU 01:00pm-01:50pm Th, H 243; (+1 hr arr lesson); Meets with: 46894 MU 4351; Anderson, A; Perrault, Rudy; Osborn, Vince, 3 cr
1352 Strings
(A-F Only; prereq Non-music major or music major sec instr; may be repeated)
46506 001 STU (Violin) (+1/2 hr weekly lesson arr with instructor in H231); Meets with: 46507 MU 4352; Anderson, A; Osborn, Vince; Perrault, Rudy; Smith, Benjamin N, 1 cr
46725 002 STU (Viola) (+1/2 hr weekly lesson arr with instructor in H231); Anderson, A; Perrault, Rudy, 1 cr
46726 003 STU (Cello) (+1/2 hr weekly lesson arr with instructor in H231); Husby, Betsy Margare, 1 cr
46727 004 STU (Bass) (+1/2 hr weekly lesson arr with instructor in H231); Osborn, Vince, 1 cr
1357 Harp
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
46508 001 STU 01:00pm-01:50pm Th, H 243; (+1/2 hr arr lesson); Lemire, Janell Marie, 1 cr
46892 002 STU (+1 hr arr lesson); Lemire, Janell Marie, 3 cr
1358 Harp
(A-F Only; prereq Non-music major or music major sec instr; may be repeated)
46510 001 STU (student to arrange 1/2 hr weekly lesson in 231 Humanities); Lemire, Janell Marie, 1 cr
1361 Woodwinds
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
46512 001 STU 01:00pm-01:50pm Th, H 220; (+1/2 hr arr lesson); Meets with: 46513 MU 4361; Nef, Kathleen Ann; Edwards, Jason; Schoen, Theodore A, 1 cr
46893 002 STU 01:00pm-01:50pm Th, H 220; (+1 hr arr lesson); Meets with: 46896 MU 4361; Nef, Kathleen Ann; Schoen, Theodore A; Edwards, Jason, 1 cr
1362 Woodwinds
(A-F Only; prereq Non-music major or music major sec instr; may be repeated)
46514 001 STU (Flute) (+1/2 hr weekly lesson arr with instructor in H231); Meets with: 46515 MU 4362; Nef, Kathleen Ann, 1 cr
47631 002 STU (Clarinet) (+1/2 hr weekly lesson arr with instructor in H231); Schoen, Theodore A, 1 cr
47632 003 STU (Saxophone) (+1/2 hr weekly lesson arr with instructor in H231); Schoen, Theodore A, 1 cr
47633 004 STU (Oboe) (+1/2 hr weekly lesson arr with instructor in H231); Edwards, Jason; Van Brunt, Laurie, 1 cr
47634 005 STU (Bassoon) (+1/2 hr weekly lesson arr with instructor in H231); Edwards, Jason, 1 cr
1371 Brass
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
46516 001 STU (+1/2 hr weekly lesson arr with instructor in H231); Meets with: 46517 MU 4371; Whittlock, Mark Eugene; Pospisil, James A; Thornton, Dann Lee; Eaton, Daniel W, 1 cr
46894 002 STU 01:00pm-01:50pm Th, H 226; (+1 hr arr lesson); Meets with: 46897 MU 4371; Whittlock, Mark Eugene; Pospisil, James A; Thornton, Dann Lee; Eaton, Daniel W, 3 cr

This information is accurate as of: 11/5/2004
<table>
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<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Time and Location</th>
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<tbody>
<tr>
<td>3105</td>
<td>Composition II</td>
<td>(max crs 4; 4 repeats allowed; A-F only; prereq 2105)</td>
<td>1</td>
<td>01 LEC, 01:00PM-02:00PM F, H 160; (1 hr arr); Meets with: 44647 MU 2105, 44448 MU 3105; Wegren, Thomas Joseph, 2 cr</td>
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**Choral Conducting and Methods II**

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<tbody>
<tr>
<td>3202</td>
<td>Music History II</td>
<td>(A-F only; prereq 3201 or instructor consent)</td>
<td>1</td>
<td>01 LAB, 11:00AM-11:50AM TTh, H 160; Barnard, William Michael, 1 cr</td>
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**Instrumental Music Methods**

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<tbody>
<tr>
<td>4631</td>
<td>Piano</td>
<td>(max crs 12; 12 repeats allowed; A-F only; prereq Non-Music major or major sec instr; may be repeated)</td>
<td>1</td>
<td>01 STU, (student to arrange 1/2 hr weekly lesson in 231 Humanities); Meets with: 46476 MU 1311; Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R; Thielen-Gaffey, Tina; Dom; Patricia Lynn, 3 cr</td>
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**Art of Accompanying:**

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<tbody>
<tr>
<td>4641</td>
<td>Jazz Improvisation IV</td>
<td>(A-F only; prereq 3705 or instructor consent)</td>
<td>1</td>
<td>01 LAB, 11:00AM-11:50AM MWF, VH 106; Whitlock, Mark Eugene, 1 cr</td>
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**Jazz Writing II**

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<tr>
<td>46451</td>
<td>Contrapuntal Techniques</td>
<td>(A-F only; prereq 2102 or instructor consent)</td>
<td>1</td>
<td>01 LEC, 11:00AM-11:50AM TTh, H 222; Wegren, Thomas Joseph, 2 cr</td>
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**Operatic Techniques**

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<th>Time and Location</th>
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<tr>
<td>4651</td>
<td>Organ</td>
<td>(max crs 12; 12 repeats allowed; prereq Music major, department consent)</td>
<td>1</td>
<td>01 STU, 01:00PM-01:50PM Th, H 222; (+ 1/2 hr arr lesson); Meets with: 46504 MU 1351; Perrault, Rudy; Anderson,; Osborn, Vince, 1 cr</td>
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**Strings**

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<td>46505</td>
<td>Strings</td>
<td>(max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)</td>
<td>1</td>
<td>01 STU, 01:00PM-01:50PM Th, H 243; (+ 1/2 hr arr lesson); Meets with: 46504 MU 1351; Perrault, Rudy; Anderson,; Osborn, Vince, 3 cr</td>
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**Woodwinds**

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<tr>
<td>46509</td>
<td>Harp</td>
<td>(A-F only; prereq Non-music major or music major sec inst; may be repeated)</td>
<td>1</td>
<td>01 STU, (student to arrange 1/2 hr weekly lesson in 231 Humanities); Lamere, Janell Marie, 1 cr</td>
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**Brass**

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<th>Time and Location</th>
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<tr>
<td>46516</td>
<td>Harp</td>
<td>(A-F only; prereq Non-music major or music major sec inst; may be repeated)</td>
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<td>01 STU, (student to arrange 1/2 hr weekly lesson in 231 Humanities); Lamere, Janell Marie, 1 cr</td>
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**Organ**

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<th>Time and Location</th>
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<td>46518</td>
<td>Organ</td>
<td>(max crs 12; 12 repeats allowed; prereq Music major, department consent)</td>
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<td>01 STU, (student to arrange 1/2 hr weekly lesson in 231 Humanities); Meets with: 46492 MU 1351; Wold, Stanley R; Thielen-Gaffey, Tina; Dom; Patricia Lynn, 3 cr</td>
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**Jazz Piano**

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<tr>
<td>46470</td>
<td>Improvisation</td>
<td>(A-F only; prereq 3201)</td>
<td>1</td>
<td>01 LEC, 10:00AM-10:50AM MVK 106; Thomton, Dann Lee, 1 cr</td>
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**Jazz Improvisation II**

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<th>Credits</th>
<th>Time and Location</th>
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<tr>
<td>46449</td>
<td>Composition III</td>
<td>(max crs 4; A-F only; prereq 3105)</td>
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<td>01 LEC, 01:00PM-02:00PM F, H 160; (1 hr arr); Meets with: 44647 MU 2105, 44448 MU 3105; Wegren, Thomas Joseph, 2 cr</td>
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**Piano**

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<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Time and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>46453</td>
<td>Piano</td>
<td>(max crs 12; 12 repeats allowed; A-F only; prereq Music major, department concenso)</td>
<td>1</td>
<td>01 STU, 01:00PM-01:50PM Th, H 222; Doty, Jeanne Alyce, 2 cr</td>
</tr>
</tbody>
</table>

**Woodwinds**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Time and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>46507</td>
<td>Woodwinds</td>
<td>(max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)</td>
<td>1</td>
<td>01 STU, (student to arrange 1/2 hr weekly lesson in 231 Humanities); Meets with: 46514 MU 1362; Neff, Kathleen Ann; Edwards, Jason; Schoen, Theodore A, 1 cr</td>
</tr>
</tbody>
</table>

**Brass**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Time and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>46503</td>
<td>Jazz Piano</td>
<td>(max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)</td>
<td>1</td>
<td>01 STU, (student to arrange 1/2 hr weekly lesson in 231 Humanities); Meets with: 46502 MU 1332; Rubin, Justin Henry, 1 cr</td>
</tr>
</tbody>
</table>

This information is accurate as of: 11/5/2004
4501 Concert Chorale
(max crs 4; A-F only; prereq Instructor
determines placement)

4502 Advanced Choral Literature
(A-F only; prereq 3706 or instructor consent)

47645 001 LEC; Wold, Stanley R, 3 cr

5024 Instrumental Ensemble Literature
(A-F only; prereq Graduate Student or instructor consent)

47404 001 LEC; Whitlock, Mark Eugene, 2 cr

5025 Instrumental Solo Literature
(A-F only; prereq Grad student or instructor consent)

47646 001 LEC; Schoen, Theodore A, 1 cr

5026 Vocal Solo Literature
(A-F only; prereq Grad student or instructor consent)

47647 001 LEC; Inselman, Rachel Laura, 1-3 cr

5027 Instrumental Chamber Music Literature
(A-F only; prereq Grad student or instructor consent)

47240 001 LEC; (1 hr arr); Whitlock, Mark Eugene, 1 cr

5028 Vocal Chamber Literature
(A-F only; prereq Grad student or instructor consent)

47648 001 LEC; Wold, Stanley R, 1 cr

5110 Opera Studio
(max crs 6; repeats allowed: A-F only; prereq
3510 or equivalent; Grad student or instructor consent)

47234 001 LAB, 12:45pm-01:50pm MWK; VKH 106; Meets
with: 46413 MU 3510; Inselman, Rachel Laura, 1 cr

5991 Independent Study
(max crs 9; 9 repeats allowed; A-F only; prereq
Jr or sr or grad student or instructor consent; can apply
max 6 cr to a Graduate School program)

46550 001 IND, 1-3 cr

8101 Graduate Music Theory
(A-F only; prereq Graduate student or instructor consent)

63799 001 LEC, 05:50pm-07:20pm Th, H 222, 2 cr

8300 Graduate Recital
(max crs 2; A-F only; Grad student, instructor consent)

46603 001 PRC; Kritzmire, Judith A, 1 cr

8401 Graduate Music Pedagogy
(A-F only; prereq Graduate Student or instructor consent)

47242 001 LEC; (1 hr arr); Doty, Jeanne Alyce, 1 cr

8701 Graduate Applied Conducting
(max crs 12; repeats allowed: A-F only; prereq
3702, 3706 or equivalent; Graduate Student or instructor
consent)

47243 001 LEC; (1-2 hrs arr); 1-2 cr

8899 Directed Project in Music Education
(max crs 12; A-F only; prereq Grad, instructor consent)

47177 001 DRS; Kritzmire, Judith A, 1-2 cr

8991 Independent Study
(max crs 6; repeats allowed: A-F only; prereq
Grad student, instructor consent)

46543 001 IND; Kritzmire, Judith A, 1-2 cr

5023 Pharmacology (Phd)
Duluth School of Medicine

4949 Directed Research in Pharmacology I
(max crs 10; A-F only; prereq Upper div sci major, instructor consent)

46620 001 DRS, 1-10 cr

5049 Directed Research in Pharmacology II
(max crs 10; repeats allowed: prereq Grad student,
instructor consent)

46618 001 DRS, 1-10 cr

5022 Pharmacology II
(max crs 4; repeats allowed: A-F only; prereq
Grad student, instructor consent)

46621 001 LEC, 5 cr

5024 Pharmacology Seminar
(max crs 4; 4 repeats allowed; A-F only; prereq
Grad student, instructor consent)

46622 001 SEM, 1 cr
1612 Karate  
(meets LE req of PE)  
46612 001 PHY, 09:00am-09:50am MW, SpHC 150A; Sullivan, Thomas G, 1 cr

1613 Karate: Advanced Belts  
(max crs 4; 4 repeats allowed; A-F only; prereq 1612 or equivalent or instructor consent)  
47362 001 PHY, 10:00am-10:50am MW, SpHC 150A; Sullivan, Thomas G, 1 cr

1614 Self Defense  
(meets LE req of PE)  
46613 001 PHY, 11:00am-11:50am MW, SpHC 150A; Sullivan, Thomas G, 1 cr

1616 Weight Training  
(meets LE req of PE)  
46598 001 PHY, 10:00am-10:50am MW, SpHC 33;  
Wendinger, Patricia J, 1 cr

1617 Weight Loss  
(meets LE req of PE)  
47358 002 PHY, 11:00am-11:50am TTh, SpHC 33;  
1 seat reserved for Continuing Education;  
Wendinger, Patricia J, 1 cr

1620 Aikido  
(meets LE req of PE)  
46614 001 PHY, 12:00pm-01:50pm TTh, SpHC 145;  
1 seat reserved for Continuing Education;  
Gulbrandsen, Frank A, 1 cr

1708 Basketball (meets LE req of PE)  
46856 001 PHY, 08:00am-08:50am MW, SpHC 150;  
Wendinger, Patricia J, 1 cr

1905 Varsity Basketball  
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)  
47150 001 PHY; Holquist, Gary W, 1 cr

1907 Varsity Ice Hockey (max crs 4; 4 repeats allowed; S-N; prereq instructor consent)  
47152 001 PHY; Sandelin, Scott A, 1 cr

1919 Varsity Track  
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)  
47012 001 PHY; Hudspith, William F, 1 cr

1925 Varsity Baseball  
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)  
47013 001 PHY; Hanna, Scott E, 1 cr

1927 Varsity Softball  
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)  
47014 001 PHY; Haller, William J, 1 cr

2240 Lifeguarding Today  
(prereq Ability to swim 500 yards, instructor consent)  
46479 001 PHY, 08:00am-09:15am TTh, SpHC 20;  
08:00am-09:15am TTh, SpHC 9;  
Batinich, Gregg Anthony, 1 cr

2244 Water Safety Instructor  
(A-F only; prereq 1240, 17 yrs old, knowledge and skill based on Emergency Water Safety Standard)  
46558 001 PHY, 09:30am-10:45am TTh, SpHC 20;  
Batinich, Gregg Anthony, 1 cr

3750 Movement Experience for the Young Child  
(A-F only; prereq ECH majors)  
46617 001 LEG, 08:00am-09:50am F, SpHC 208;  
08:00am-09:50am F, SpHC 150A;  
(Special term: 1/18/05-3/11/05);  
Wendinger, Patricia J, 1 cr

PHYSICAL EDUCATION PROFESSIONAL (PEP)  
College of Education & Human Service Professions  

1020 Teaching Rhythms  
(A-F only; prereq PrePE major or PE major or instructor consent, or will be granted if cr received for 1000)  
47728 001 LEC, 08:00am-09:15am TTh, SpHC 135;  
Carlson, Jane A, K, 1 cr

1400 Teaching Tennis and Golf  
(A-F only; prereq Pre PE major or rec major)  
46568 001 LEC, 08:00am-08:50am MW, FH25;  
Knap, Jim L, 1 cr

1504 Teaching Skating  
(prereq Pre PE major or rec major or instructor consent)  
46692 001 LEC, 09:30am-10:45am TTh, SpHC 90;  
01/18/05-3/11/05;  
Knap, Jim L, 1 cr

1700 Teaching Soccer and Softball  
(A-F only; prereq Pre PE major or rec major or instructor consent)  
46570 001 LEC, 10:00am-10:50am MW, FH25;  
Knap, Jim L, 1 cr

2000 Foundations of Physical Education  
(A-F only; prereq Pre PE major or rec major or instructor consent)  
46581 001 LEC, 12:00pm-12:50pm MWF, SpHC 210;  
Nierengarten, Mark Edward, 3 cr

3126 Elementary School Physical Education  
(A-F only; prereq elem/middle sch teach educ pre- or candidate or instructor consent)  
46641 001 LEC, 08:00am-09:15am TTh, SpHC 212,  
08:00am-09:15am TTh, SpHC 150A;  
Knapf, Jim L, 2 cr

47211 002 LEC, 12:00pm-01:15pm TTh, SpHC 208,  
12:00pm-01:15pm TTh, SpHC 150A;  
Carlson, Jane A, K, 2 cr

3501 Teaching Cross-Country Skiing  
(A-F only, prereq exer sci or rec major or instructor consent; cr will not be granted if cr received for PEP 1500)  
47539 001 LEC, 09:30am-11:15am Th, SpHC 212;  
(First day K 323);  
Special term: 1/18/05-4/1/05;  
Beery, Thomas Harold, 1 cr

3507 Teaching Outdoor Skills  
(prereq PE or rec major, Rec 1201, Rec 1202 or Rec 1203, Rec 1204 or instr consent, or will not be granted if cr received for PEP 1507)  
46704 001 LEC, 02:00pm-04:30pm T, SpHC 9;  
Gilbertson, Kenneth Lloyd, 2 cr

3508 Teaching Rock Climbing  
(prereq PE or rec major, PE 1531 or instr consent, or will not be granted if cr received for 1508)  
67059 001 LEC, 02:00pm-06:00pm Th, SpHC 78,  
03/14/05-05/06/05;  
Webster, Kaia Marie, 1 cr

3720 Elementary Physical Education Methods  
(A-F only; prereq Admission to secondary education program or instructor consent, concurrent registration is required (or allowed) in PEP 3721)  
47938 001 LEC, 09:30am-11:15am TTh, SpHC 208,  
09:30am-11:15am TTh, SpHC 150A;  
Carlson, Jane A, K, 4 cr

3721 Clinical Experience: Elementary  
(A-F only; prereq Admission to secondary education program or instructor consent, concurrent registration is required (or allowed) in PEP 3725)  
47927 001 LAB; Carlson, Jane A, K, 2 cr

3970 Supervised Teaching: College  
(A-F only; prereq [3720 or PE 3122], [3730 or PE 3123] BAS PE cand, instructor consent)  
46694 001 PRC, Knap, Jim L, 1 cr

4991 Independent Study  
(max crs 8; 8 repeats allowed; A-F only; prereq PE or exer sci major and instructor consent; no Grad School credit)  
46625 001 IND; Keener PhD, John R, 1-4 cr

46626 002 IND; Nierengarten, Mark Edward, 1-4 cr

47155 003 IND; Millsagle, Duane G, 1-4 cr

47212 004 IND; Levy, Morris, 1-4 cr

66914 005 IND; Carlson, Jane A, K, 4 cr

4997 Practicum  
(max crs 5; 5 repeats allowed; A-F only; prereq PE or exer sci major or Grad School credit)  
46623 001 PRC; Nierengarten, Mark Edward, 1-5 cr

4991 Independent Study  
(max crs 8; 8 repeats allowed; A-F only; prereq Quick enroll or grad student and instructor consent)  
46639 001 IND; Nierengarten, Mark Edward, 1-4 cr
46924 002 IND; Keener PhD, John R, 1-4 cr

5992 Directed Readings
(max crs 6; 6 repeats allowed; A-F only; prereq Quick enroll or grad student or instructor consent)
46624 001 DRD; Nienhagen. Mark Edward, 1-3 cr

PHYSICS (Phys)
College of Science & Engineering

1001 Introduction to Physics I
(A-F only; prereq Algebra, trig; meets LE req of LE CAT4)
001 LEC; 09:00am-09:50am MTWF, MWAH 195; Meets with: 47545 PHYS 1001; May, Brian Douglas, 4 cr
47541 002 LAB, 10:00am-11:50am T, MWAH 275, 5 cr
47542 003 LAB, 02:00pm-03:50pm T, MWAH 275, 5 cr
47543 004 LAB, 08:00am-09:50am Th, MWAH 275, 5 cr
47544 005 LAB, 10:00am-11:50am Th, MWAH 275, 5 cr
47865 006 LAB, 12:00pm-01:50pm Th, MWAH 275, 5 cr
47866 007 LAB, 02:00pm-03:50pm Th, MWAH 275, 5 cr
47545 020 LET, 09:00am-09:50am MTWF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 47545 PHYS 1001; May, Brian Douglas, 5 cr

1002 Introduction to Physics II
(A-F only; prereq 1001)
001 LEC; 08:00am-08:50am MTWF, MWAH 195; Meets with: 46958 PHYS 2011; Habig, Alec T, 5 cr
45838 002 LAB, 09:00am-10:50am T, MWAH 249, 5 cr
45839 003 LAB, 11:00am-12:50pm T, MWAH 249, 5 cr
45940 004 LAB, 02:00pm-03:50pm T, MWAH 249, 5 cr
45841 005 LAB, 02:00pm-03:50pm W, MWAH 249, 5 cr
45842 006 LAB, 08:00am-09:50am Th, MWAH 249, 5 cr
47675 007 LAB, 10:00am-11:50am Th, MWAH 249, 5 cr
47867 008 LAB, 02:00pm-03:50pm Th, MWAH 249, 5 cr
46958 020 LET, 09:00am-09:50am MTWF, MWAH 195; (This section is for students repeating the course who have satisfactorily completed the lab); Meets with: 46958 PHYS 2011; May, Brian Douglas, 5 cr

1011 Ideas in Physics
(A-F only; prereq Will not satisfy major or minor requirements in phys; meets LE req of LE CAT5)
45843 001 LEC; 06:00pm-08:40pm T, MWAH 195; 3 seats reserved for Continuing Education; Johnson, Darrin Eric, 3 cr

2011 Quantum Mechanics II
(A-F only; prereq 4501)
47604 020 LET; 02:00pm-02:50pm MWTThF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 47595 PHYS 2011; Casserberg, Bo R., 4 cr

2012 General Physics II
(A-F only; prereq 2011, Math 1297; Credit will not be granted if credit has been received for: 1200 or 1204)
001 LEC, 12:00pm-12:50pm MWTThF, MWAH 195; Meets with: 47612 PHYS 2012; Johnson, Darrin Eric, 4 cr
47606 002 LAB, 08:00am-09:50am T, MWAH 241, 4 cr
47607 003 LAB, 12:00pm-01:50pm T, MWAH 241, 4 cr
47608 004 LAB, 02:00pm-03:50pm T, MWAH 241, 4 cr
47609 005 LAB, 10:00am-11:50am Th, MWAH 241, 4 cr
47610 006 LAB, 01:00pm-02:50pm Th, MWAH 241, 4 cr
47611 007 LAB, 03:00pm-04:50pm Th, MWAH 241, 4 cr
47612 020 LET, 12:00pm-12:50pm MWTThF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 47612 PHYS 2012; Johnson, Darrin Eric, 4 cr

2021 Relativity and Quantum Physics
(A-F only; prereq 1202 or 1204 or 2012)
45844 001 LEC, 02:00pm-02:50pm MWTThF, MWAH 279; Maps, Jonathan, 4 cr

2022 Classical Physics
(A-F only; prereq 2012, or will not be granted if credit received for 1203 or 1205 or 2001)
47613 001 LEC, 10:00am-10:50am MWTThF, MWAH 279; Ralph, Elise Ann, 4 cr

2033 Classical and Quantum Physics Lab
(A-F only; prereq Concurrent registration is required (or allowed) for 2021 and 2022, or will not be granted if credit received for 2031)
47614 001 LAB, 09:00am-12:50pm T, MWAH 347; Sydor, Michael, 2 cr

2111 Solving Physics Problems I
(S-N only; prereq Math 1296, concurrent registration is required in 2011, or will not be granted if credit received for 1101)
47615 001 DIS, 03:00pm-04:50pm M, MWAH 195; Johnson, Darrin Eric, 1 cr

2112 Solving Physics Problems II
(S-N only; prereq Math 1297, concurrent registration is required in 2012)
47616 001 DIS, 04:00pm-05:00pm W, MWAH 195; Casserberg, Bo R., 1 cr

3091 Independent Study
(max crs 6; 6 repeats allowed; A-F only; prereq Department consent)
45870 001 IND, 1-3 cr

3094 Physics Research
(max crs 6; 6 repeats allowed; S-N only; prereq Department consent)
45871 001 DR5, 1-6 cr

3099 Physics Tutoring
(max crs 4; 4 repeats allowed; S-N only; prereq 2012 or 1202 or 1204, department consent; may apply only 2 cr toward phys major)
45872 001 IND, Casserberg, Bo R., 1-2 cr

5041 Optics
(A-F only; prereq 2022 or 2001)
66880 001 LEC, 11:00am-11:50am MWF, MWAH 279; Sydor, Michael, 3 cr

5061 Experimental Methods
(A-F only; prereq 2033 or 2031, 3061)
001 LEC, 03:00pm-03:50pm MW, MWAH 279; Habig, Alec T
63718 002 LAB, 10:00am-12:50pm MWAH 379; Habig, Alec T, 3 cr

5511 Electrodynamics
(A-F only; prereq 4011)
63719 001 LEC, 09:00am-09:50am MWF, MWAH 279; Casserberg, Bo R., 3 cr

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PSYCHOLOGY (Psy)  
College of Education & Human Service Professions

1003 General Psychology  
(A-F only; meets LEQ of LEQ CAT6)  
46420 001 LEC, 06:00pm-07:40pm TTh, BohH 90; 6 seats reserved for Continuing Education; Butterfield, Brenda S, 4 cr  
46421 002 LEC, 12:00pm-12:50pm MTWTh, BohH 90; 2 seats reserved for Continuing Education; Butterfield, Brenda S, 4 cr  
46422 003 LEC, 02:00pm-02:50pm MTWTh, BohH 90; 24 seats reserved for Continuing Education; Butterfield, Brenda S, 4 cr  
2012 Developmental Psychology  
(A-F only; meets LECQ req of LECQ CAT6)  
47123 001 LEC, 10:00am-10:50am MTWTh, BohH 90; 4 cr  
47167 002 LEC, 03:00pm-03:50pm MTWTh, BohH 90; 2 seats reserved for Continuing Education; Butterfield, Brenda S, 4 cr  
63629 003 LEC, 08:00am-08:50am MTWTh, Room TBA; DULUTH; Maas, Fay, 4 cr  
47789 200 IIN; Online education. Students must be registered and begin the course at the start of the semester, which is January 18, 2005, and complete all requirements by May 6, 2005. No exceptions); 2 seats reserved for Continuing Education; McCle, Bud A, 4 cr  
2023 Marriages and Families Worldwide  
(A-F only; meets LEIP req of LEIP CAT8)  
47373 001 LEC, 01:00pm-01:50pm MTWTh, MonH 80; Anderson, Laurie Renae, 4 cr  
47566 002 LEC, 12:00pm-12:50pm MTWTh, MonH 80; 2 seats reserved for Continuing Education; Butterfield, Brenda S, 4 cr  
2223 Gender in Society  
(A-F only; meets LEQ of LEQ CAT6)  
48193 001 LEC, 01:00pm-01:50pm MTWTh, Room TBA; DULUTH; Miller, Kristelle, 4 cr  
47421 003 LEC, 01:00pm-01:50pm MTWTh, Room TBA; DULUTH; Grossman, Eugene Emerit, 4 cr  
47567 004 LEC, 02:00pm-02:50pm MTWTh, Room TBA; DULUTH; Avery, George Henry, 4 cr  
48110 005 LEC, 03:00pm-03:50pm MTWTh, Room TBA; DULUTH; Grossman, Eugene Emerit, 4 cr  
65701 200 IIN; Online education. Students must be registered and begin the course at the start of the semester, which is January 18, 2005, and complete all requirements by May 6, 2005. No exceptions); 2 seats reserved for Continuing Education; McCle, Bud A, 4 cr  
3020 Statistical Methods  
(A-F only; prereq Elem Algebra, Math placement test)  
46707 001 LEC, 10:00am-10:50am MTWTh, Room TBA; DULUTH; Grossman, Eugene Emerit, 4 cr  
67069 002 LEC, 02:00pm-02:50pm MTWTh, Room TBA; DULUTH; Miller, Kristelle, 4 cr  
47421 003 LEC, 01:00pm-01:50pm MTWTh, Room TBA; DULUTH; Grossman, Eugene Emerit, 4 cr  
47567 004 LEC, 02:00pm-02:50pm MTWTh, Room TBA; DULUTH; Avery, George Henry, 4 cr  
48110 005 LEC, 03:00pm-03:50pm MTWTh, Room TBA; DULUTH; Grossman, Eugene Emerit, 4 cr  
65701 200 IIN; Online education. Students must be registered and begin the course at the start of the semester, which is January 18, 2005, and complete all requirements by May 6, 2005. No exceptions); 2 seats reserved for Continuing Education; McCle, Bud A, 4 cr  

3112 Psychology of Religion  
(A-F only; prereq Upper div standing, strong interest in scientific study of religious experience and behavior)  
47888 200 IIN; Online education. Students must be registered and begin the course at the start of the semester, which is January 18, 2005, and complete all requirements by May 6, 2005. No exceptions); 2 seats reserved for Continuing Education; McCle, Bud A, 3 cr  
3121 Abnormal Psychology  
(A-F only; prereq 3 cr Psy)  
49615 001 LEC, 11:00am-11:50am MTWTh, Room TBA; DULUTH; Marsh, Karen Linda, 4 cr  
47571 003 LEC, 03:00pm-03:50pm MTWTh, Room TBA; DULUTH; Marsh, Karen Linda, 4 cr  
49672 200 IIN; Online education. Students must be registered and begin the course at the start of the semester, which is January 18, 2005, and complete all requirements by May 6, 2005. No exceptions); 2 seats reserved for Continuing Education; McCle, Bud A, 4 cr  

This information is accurate as of: 11/5/2004
3211 Group Dynamics
(A-F only; prereq 3 cr Psy)

46769 001 LEC, 1:00pm-2:50pm TTh, Room TBA, DULUTH; Mc Clure, Bud A, 4 cr 69977 091 LEC, 01/05/05-01/15/05; (Special Term: 01/10-01/15/05; Study abroad in Nicaragua); Acheson, Joie B, 4 cr
47206 200 INI; (Online education. Students must be registered and begin the course at the start of the semester, which is January 18, 2005, and complete all requirements by May 6, 2005. No exceptions), 4 cr

3527 Psychology and Social Responsibility
(A-F only; prereq 3 cr Psy)

47900 019 LEC, 01:00pm-02:50pm TTh, Room TBA, DULUTH; Luong, Alexandria, 3 cr

3535 Career Awareness and Development
(A-F only; prereq 3 cr Psy)

63656 001 LEC, 09:00am-04:50pm MTWThFS, Room TBA, DULUTH, 01/03/05-01/08/05; Alderman, Brandon L, 3 cr

3611 Learning and Behavior
(A-F only; prereq 3 cr Psy)

46471 001 LEC, 10:00am-10:50am MW, Room TBA, DULUTH; (On-line course); 1 seat reserved for Continuing Education; Acheson, Joie B, 3 cr 47423 002 LEC, 12:00pm-12:50pm MW, Room TBA, DULUTH; 1 seat reserved for Continuing Education; Akeson, Nancy, 3 cr 67423 200 INI; 2 seats reserved for Continuing Education; Acheson, Joie B, 3 cr

3691 Sensation and Perception
(A-F only)

47575 001 LEC, 02:00pm-02:50pm MTWThFS, Room TBA, DULUTH; Grossman, Eugene Ernest, 4 cr

3701 Personnel Psychology
(A-F only; prereq 3 cr Psy)

47617 091 LEC, 09:00am-04:30pm MTWThSF, Boshi 108, 01/05/05-01/15/05; (Special Term: 01/10-01/15/05; Study abroad in Luong, Alexandria, 3 cr 47244 200 INI; Gordon, Randall A, 3 cr

3707 Organizational Psychology
(A-F only; prereq 3 cr Psy)

47005 002 LEC, 02:00pm-02:50pm MW, Room TBA, DULUTH; Luong, Alexandria, 3 cr

3856 013 LEC, 11:00am-11:50am TTh, Room TBA, DULUTH; Grossman, Eugene Ernest, 4 cr

3766 012 LEC, 12:00pm-12:50pm MW, Room TBA, DULUTH; Grossman, Eugene Ernest, 4 cr

3760 Work and Self
(A-F only)

63840 001 LEC, 09:00am-10:50am MW, Mon/Thur, Luong, Alexandria, 3 cr

3995 Honors Seminar in Psychology
(max crs 4; 4 repeats allowed; S-N only; prereq Psy major or minor, instructor consent; meets Hon req of Honors)

47696 001 SEM; Stuecher, Uwe Heinric, 2 cr 66806 002 SEM; Pedersen, Paula Jean, 2 cr

3991 Projects in Psychology
(max crs 4; 4 repeats allowed; S-N only; prereq Psy major or minor, instructor consent)

47607 001 INI; Mc Clure, Bud A, 1-4 cr 48071 002 INI; Acheson, Joie B, 1-4 cr 48072 003 INI; Doane PhD, H Mitzi, 1-4 cr 48073 004 INI; Durgunoglu, Aydin Yucesan, 1-4 cr 48075 006 INI; Gordon, Randall A, 1-4 cr 48076 007 INI; Grossman, Eugene Ernest, 1-4 cr 48078 008 INI; Langenfeld, Mark Christopher, 1-4 cr 48079 010 INI; Lloyd, Robert Lee, 1-4 cr 48080 011 INI; Lloyd, Robert Lee, 1-4 cr 48081 012 INI; Luong, Alexandria, 1-4 cr 48082 013 INI; Maas, Fay, 1-4 cr 48083 014 INI; Milller, Kristelle, 1-4 cr 48084 015 INI; Pedersen, Paula Jean, 1-4 cr 48085 016 INI; Stuecher, Uwe Heinric, 1-4 cr 48086 017 INI; TBA, 1-3 cr

3994 Directed Research in Psychology
(max crs 4; 4 repeats allowed; S-N only; prereq Psy major or minor, instructor consent)

47127 001 DRS; Mc Clure, Bud A, 1-4 cr 48120 002 DRS; Acheson, Joie B, 1-4 cr 48163 003 DRS; Doane PhD, H Mitzi, 1-4 cr 48067 004 DRS; Durgunoglu, Aydin Yucesan, 1-4 cr 48069 006 DRS; Gordon, Randall A, 1-4 cr 48070 007 DRS; Grossman, Eugene Ernest, 1-4 cr 48072 009 DRS; Langenfeld, Mark Christopher, 1-4 cr 48073 010 DRS; Lloyd, Robert Lee, 1-4 cr 48121 011 DRS; Lohn, Karen—, 1-4 cr 48074 012 DRS; Luong, Alexandria, 1-4 cr 48075 013 DRS; Maas, Fay, 1-4 cr 48122 014 DRS; Miller, Kristelle, 1-4 cr 48123 015 DRS; Pedersen, Paula Jean, 1-4 cr 48076 016 DRS; Stuecher, Uwe Heinric, 1-4 cr 66841 001 DRS; TBA, 1-3 cr

3995 Research in Psychology
(max crs 4; 4 repeats allowed; A-F only; prereq Psy major or minor, instructor consent)

47611 001 INI; Mc Clure, Bud A, 1-4 cr 48119 002 INI; Acheson, Joie B, 1-4 cr 48118 003 INI; Doane PhD, H Mitzi, 1-4 cr 48078 004 INI; Durgunoglu, Aydin Yucesan, 1-4 cr 48080 006 INI; Gordon, Randall A, 1-4 cr 48081 007 INI; Grossman, Eugene Ernest, 1-4 cr 48083 009 INI; Langenfeld, Mark Christopher, 1-4 cr 48084 010 INI; Lloyd, Robert Lee, 1-4 cr 48085 011 INI; Lohn, Karen—, 1-4 cr 48086 012 INI; Luong, Alexandria, 1-4 cr 48087 013 INI; Maas, Fay, 1-4 cr 48112 014 INI; Miller, Kristelle, 1-4 cr 48088 015 INI; Pedersen, Paula Jean, 1-4 cr 48089 016 INI; Stuecher, Uwe Heinric, 1-4 cr 66844 001 INI; TBA, 1-3 cr

3996 Preprofessional Field Placement
(max crs 10; 3 repeats allowed; S-N only; prereq 3896, or BAS psychology major, instructor consent)

47611 001 IEX, 08:00am-08:50am, Room TBA, DULUTH; Pedersen, Paula Jean, 3-10 cr

3998 Honors Research in Psychology
(max crs 3; 3 repeats allowed; A-F only; prereq Psy major, instructor consent; meets Hon req of Honors)

47420 001 INI; Acheson, Joie B, 1-3 cr 48061 002 INI; Acheson, Joie B, 1-3 cr 48062 003 INI; Doane PhD, H Mitzi, 1-3 cr 48064 004 INI; Durgunoglu, Aydin Yucesan, 1-3 cr 48065 006 INI; Gordon, Randall A, 1-3 cr 48066 007 INI; Grossman, Eugene Ernest, 1-3 cr 48069 009 INI; Langenfeld, Mark Christopher, 1-3 cr 48070 010 INI; Lloyd, Robert Lee, 1-3 cr
1202 Outdoor Skills II (A-F only; meets LE req of PE, $33.70 course fee in addition to tuition) (A-F only; prereq 1003 or 2021 or instructor consent; can apply credit to MEHS program only) no credit)
4991 Independent Study (max crs 4; 4 repeats allowed; A-F only; prereq instructor consent; can apply credit to MEHS program only)

RUSSIAN (Russ)

Safety

SAFETY (SAFE)

College of Science & Engineering

5012 Risk Management and Workers’ Compensation (A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)
45653 001 LEC, 10:00am-11:50am TTh, Engr 290, 10:00am-11:50am TTh, VKH 201; (+arr lab); Fonooni-Fard, Hamid, 2 cr
5001 Construction Safety (A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)
49651 001 LEC, 06:00pm-07:50pm Th, VKH 221; (+lab arr); Mroz, Douglas Edward, 2 cr

5102 Advanced Industrial Hygiene and Health Physics (A-F only; prereq 6101 or department consent; can apply credit to MEHS program only)
49654 001 LEC, 10:00am-11:50am TTh, VKH 221, 10:00am-11:50am TTh, VKH 201; (+arr lab); Krageschmidt PhD, Dale Allen, 2 cr
6112 Advanced Industrial Noise and Ventilation Control (A-F only; prereq 6111 or department consent; can apply credit to MEHS program only)
47620 001 LEC, 2 cr

5121 Epidemiology and Industrial Toxicology (A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)
49655 001 LEC, 11:00am-12:50pm MW, VKH 201, 11:00am-12:50pm MW, VKH 221; (+arr lab); Krageschmidt PhD, Dale Allen, 2 cr
6201 Fire Prevention and Emergency Preparedness (A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)
49652 001 LEC, 06:00pm-07:50pm T, VKH 221; (+arr lab); Stauber, James D, 2 cr

6212 Noise Control Engineering (A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)
63831 001 LEC, 04:00pm-05:50pm TTh, VKH 221; (+arr lab); Norm, Norbert John, 3 cr

5013 Research Methods and Measurement in Psychology (A-F only; prereq Grad student or instructor consent)
47650 001 LEC, 05:15pm-07:45pm T, MohH 208; Avery, George Henry, 3 cr

5130 Evolutionary Psychology (A-F only; prereq 1003, 3020 or instructor consent)
47901 001 LEC, 04:00pm-06:15pm TTh, BohH 346; Lloyd, Robert Lee, 3 cr

5131 Mind-Body Connection (A-F only)

47576 001 LEC, 10:00am-11:50am MW, BohH 108; 6 seats reserved for Continuing Education; Kohls, Gary G, 3 cr

5160 Psychology of Hope (A-F only; prereq 1003 or instructor consent)
47577 001 LEC, 04:00pm-06:15pm TTh, Room TBA, DULUTH; 1 seat reserved for Continuing Education; Acheson, Joie B, 3 cr

5201 Childhood and Adolescence: Advanced Study (A-F only; prereq 2021 or 3371, sr or Grad Student or instr consent)
46976 200 INI, 3 cr

5455 Jungian Psychology (A-F only; prereq 1003 or 2021 or instructor consent)
66534 090 LEC, 05:15pm-07:45pm T, BohH 108; 6 seats reserved for Continuing Education; Capell, Lisa R, 3 cr

RECREATION (Rec)
College of Education & Human Service Professions

100 Introduction to Recreation (A-F only)
47414 001 LEC, 11:00am-11:50am MTWF, SpHC 210; Lundstrom, Edmond Faye, 4 cr

1202 Outdoor Skills II (A-F only; meets LE req of PE; $33.70 course fee in addition to tuition) (A-F only; prereq 1003 or 2021 or instructor consent; can apply credit to MEHS program only)
46589 001 PHY, 02:00pm-04:50pm Th, SpHC 9A; Ernst, Julie Ann, 2 cr

1204 Outdoor Skills II (A-F only; prereq Rec major or minor or instr consent) (A-F only; prereq 1003 or instructor consent) (prereq No Grad School credit)
46708 001 PHY, 02:00pm-04:50pm Th, SpHC 9; Beery, Thomas Harold, 2 cr

2300 Recreation Programming (A-F only; prereq 1000 or instructor consent)
46901 001 LEC, 09:00am-10:50am MW, SpHC 9; Beery, Thomas Harold, 3 cr

3320 Recreational Sports (A-F only; prereq 2300 or instr consent) (prereq 2300 or instr consent) (prereq No Grad School credit)
47726 001 LEC, 10:00am-10:50am MW, SpHC 9; Beery, Thomas Harold, 3 cr

3327 Life Fitness Programs and Events Management (A-F only; prereq 2300 or instr consent)
46994 001 LEC, 01:00pm-01:50pm MW, SpHC 210; Lundstrom, Edmond Faye, 3 cr

GIS Management for Recreation Professionals (prereq No Grad School credit) (prereq No Grad School credit)
47994 001 LEC, 06:00pm-09:00pm Th, SpHC 212; Easter, David Arthur, 3 cr

4991 Independent Study (max crs 4; 4 repeats allowed; A-F only; prereq instructor consent; can apply credit to MEHS program only)
6291 Independent Study in Industrial Safety (max crs 3; S-N only; prereq MEHS student or department consent; can apply credit to MEHS program only)
SOCIOLGY (Soc)
College of Liberal Arts

1095 Freshman Seminar: Topics: (Various Titles to be Assigned) (max crs 4; A-F only; prereq Freshman, fewer than 30 crs; meets LE req of LE CAT A)
47591 001 SEM, 11:00am-11:50am MTWF, BohH 90; Gasele, Gary, 4 cr
47592 002 SEM, 09:00am-09:50am TTh, Room TBA; DULUTH; Weidner, Robert R, 4 cr
47593 003 SEM, 08:00am-08:50am TTh, Room TBA; DULUTH; Weidner, Robert, 3 cr
47425 200 INI; Mork, Bruce, 4 cr
1201 Sociology of the Family (A-F only; meets LECD req of LECD CAT8)
63980 001 LEC, 11:00am-11:50am MW, Room TBA; DULUTH; 1 seat reserved for Continuing Education; Janssen, Susan L, 3 cr
1301 Introduction to Criminology (A-F only; meets LE req of LE CAT8)
63900 001 LEC, 12:00pm-12:50pm MW, Room TBA; DULUTH; 3 seats reserved for Continuing Education; Mork, Bruce, 3 cr
47219 090 LEC, 09:00am-09:50am T, ABAB 225; 6 seats reserved for Continuing Education; Martin, Daniel D, 3 cr
2111 Sociological Theory (A-F only; prereq 1101 or 1301, min. 15 cr.)
45863 001 LEC, 10:00am-10:50am TTh, Room TBA; DULUTH; 1 seat reserved for Continuing Education; Martin, Daniel, D, 3 cr
2311 Criminological Theory (A-F only; prereq 1301, 15 cr.)
47390 001 LEC, 12:00pm-12:50pm MW, Room TBA; DULUTH; 3 seats reserved for Continuing Education; Martin, Daniel, D, 3 cr
47420 200 INI; (Online Education); 2 seats reserved for Continuing Education; Mork, Bruce, 4 cr
2001 Sociological Perspective (A-F only; prereq 1101 or 1301, min. 15 cr.)
45827 001 LEC, 12:30pm-12:50pm MW, Room TBA; DULUTH; 3 seats reserved for Continuing Education; Gasele, Gary, 4 cr
47192 090 LEC, 09:00am-09:50am T, ABAB 225; 6 seats reserved for Continuing Education; Martin, Daniel D, 3 cr
3151 Research Methods and Analysis (A-F only; prereq crim major or soc major or crim-soc major or URS major and 30 cr)
45864 001 LEC, 09:30am-10:45am TTh, Room TBA; DULUTH; 3 seats reserved for Continuing Education; Martin, Daniel D, 3 cr
45865 002 LEC, 09:00am-09:50am MW, Room TBA; DULUTH; 3 seats reserved for Continuing Education; Martin, Daniel D, 3 cr
63601 003 LEC, 10:00am-10:50am MW, Room TBA; DULUTH; 3 seats reserved for Continuing Education; Martin, Daniel D, 3 cr
3152 Applied Research (A-F only; prereq 3151, 30 cr or instructor consent)
45866 001 LEC, 08:00am-08:50am TTh, Room TBA; DULUTH; 3 seats reserved for Continuing Education; Martin, Daniel, D, 3 cr
46385 002 LEC, 09:00am-09:50am MW, Room TBA; DULUTH; 3 seats reserved for Continuing Education; Martin, Daniel D, 3 cr
3153 Qualitative Research Methods (A-F only; prereq 3151, 30 cr or instructor consent)
47738 001 LEC, 12:00pm-12:15pm MW, Room TBA; 3 seats reserved for Continuing Education; Siring PhD, David, 3 cr
3306 Deviance (A-F only; prereq 1301, sophomore standing or higher; credit will not be granted if credit received for 2306.)
47739 001 LEC, 03:30pm-04:45pm TTh, Room TBA; 1 seat reserved for Continuing Education; Wilson, Janelle L, 3 cr
3328 Delinquency and Juvenile Justice (A-F only; prereq 3322, 30 cr or instructor consent)
47547 001 LEC, 06:00pm-08:40pm T, Cina 214; 1 seat reserved for Continuing Education; Maahs, Jeffrey Robert, 3 cr
3344 Law Enforcement and Society (A-F only; prereq 30 cr or instructor consent)
47742 001 LEC, 03:00pm-04:45pm TTh, Room TBA; DULUTH; 1 seat reserved for Continuing Education; Fleischman, William A, 3 cr
3361 Correctional Continuum (A-F only; prereq 1101, Soph or higher or instructor consent)
45975 001 LEC, 01:00pm-01:50pm MW, Room Cina 224; Gasele, Gary, 3 cr
3363 Correctional Agency Administration (A-F only; prereq 3361, Soph or higher or instructor consent)
46996 001 LEC, 02:00pm-02:50pm MW, Room Cina 224; Gasele, Gary, 3 cr
3365 Legal Issues in Corrections (A-F only; Soph or higher or instructor consent)
67005 001 LEC, 08:00am-09:15am TTh, Room TBA; DULUTH; Maahs, Jeffrey Robert, 3 cr
3595 Special Topics: (Various Titles to be Assigned) (max crs 4; A-F only; prereq Min 30 cr or instructor consent)
66908 001 LEC, 09:00am-09:50am MW, Room Cina 224; Laundraugend, J Clark, 3 cr; T; College Drinking
3701 Social Psychology (A-F only; prereq 2001, Soph or higher or instructor consent)
47371 090 LEC, 06:00pm-08:40pm W, Room Cina 106; 6 seats reserved for Continuing Education; Mork, Bruce, 3 cr
3831 Organization and Society (A-F only; prereq Soph or higher or instructor consent)
48126 090 LEC, 06:00pm-08:40pm Th, Room Cina 214; 5 seats reserved for Continuing Education; Martin, Daniel D, 3 cr
3901 Social Change and Social Policy (A-F only; prereq 2111, Soph or higher or instructor consent)
63884 001 LEC, 02:00pm-02:50pm MW, Room Cina 224; Laundraugend, J Clark, 3 cr
3945 Social Stratification (A-F only; prereq 2111, Soph or higher or instructor consent)
66876 001 LEC, 12:00pm-12:50pm MW, Room Cina 224; Laundraugend, J Clark, 3 cr
3960 Sociology of Sport (A-F only; prereq Soph or higher or instructor consent)
47586 001 LEC, 06:00pm-08:40pm MW, Room Cina 224; ABAB 225; 6 seats reserved for Continuing Education; Friedman, Fred T, 3 cr
4323 Women and Justice (A-F only; prereq 1101 or 1301, 60 cr; credit will not be granted if credit received for 3326; no Grad School credit)
65853 001 LEC, 01:00pm-01:50pm MW, Room Cina 214; Plechner, Deborah B
3430 Minorities, Crime and Justice in the United States (A-F only; prereq 1101 or 1301, 60 cr; credit will not be granted if credit received for 3326; no Grad School credit)
47743 090 LEC, 05:00pm-07:40pm T, Room Cina 202; 6 seats reserved for Continuing Education; Arthur, John A, 3 cr
3434 Child Abuse and Child Protection in Minnesota (A-F only; prereq 90 or Grad Student or instructor consent)
47372 090 LEC, 06:00pm-08:40pm Th, Room Cina 224; 5 seats reserved for Continuing Education; Wolf, Dale A, 3 cr
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1199</td>
<td>Performance Practicum I (max crs 12; 12 repeats allowed; A-F only; prereq Instructor consent; by audition only; meets LE req of LE CAT)</td>
</tr>
<tr>
<td>1299</td>
<td>Theatre Marketing/Management Practicum (max crs 3; 3 repeats allowed; A-F only; prereq Th major or minor; meets LE req of LE CAT)</td>
</tr>
<tr>
<td>1301</td>
<td>Stagecraft (A-F only; prereq 1801 or instr consent)</td>
</tr>
<tr>
<td>1401</td>
<td>Costume Construction I (A-F only; prereq 1801 or instr consent)</td>
</tr>
<tr>
<td>1402</td>
<td>Stage Lighting I (A-F only; prereq 1001, 1801 or instr consent)</td>
</tr>
<tr>
<td>1499</td>
<td>Costume Practicum (max crs 6; 6 repeats allowed; A-F only; prereq Th major or minor)</td>
</tr>
<tr>
<td>1501</td>
<td>Stage Lighting II (A-F only; prereq 1001, 1801 or instr consent)</td>
</tr>
<tr>
<td>1599</td>
<td>Lighting/Sound Practicum (max crs 3; 3 repeats allowed; A-F only; prereq Th major or minor)</td>
</tr>
<tr>
<td>1601</td>
<td>Stage Management (A-F only)</td>
</tr>
<tr>
<td>1699</td>
<td>Running Crew Practicum (max crs 3; 3 repeats allowed; A-F only; prereq Instructor consent)</td>
</tr>
<tr>
<td>2113</td>
<td>Acting III: Classical Styles (A-F only; prereq 2112 or Instructor consent)</td>
</tr>
<tr>
<td>2114</td>
<td>Acting: Musical Theatre (A-F only; prereq Instructor consent)</td>
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<tr>
<td>2199</td>
<td>Stage Diacrits (A-F only; prereq Instructor consent)</td>
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<tr>
<td>2671</td>
<td>Honors: Collective Creation: Creating Theatre as a Group (max crs 6; A-F only; prereq College consent; meets HO req of Honors; meets LE req of LE CAT)</td>
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<td>3099</td>
<td>Production Practicum II (max crs 4; A-F only)</td>
</tr>
<tr>
<td>3111</td>
<td>Acting Fundamentals II (A-F only; prereq 1111, 1112 or instr consent; not open to BFA th majors)</td>
</tr>
<tr>
<td>3171</td>
<td>Acting IV: Character/Masks (A-F only; prereq 60 cr, BFA Th major, instructor consent)</td>
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<tr>
<td>3199</td>
<td>Performance Practicum II (max crs 12; 6 repeats allowed; A-F only; prereq Instructor consent; by audition only)</td>
</tr>
<tr>
<td>3331</td>
<td>Scenic Design I (A-F only; prereq 1301 or instr consent)</td>
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<tr>
<td>3355</td>
<td>Computer-Aided Theatrical Design (A-F only; prereq 1301 or instr consent)</td>
</tr>
<tr>
<td>3381</td>
<td>Theatre Design: Period Styles (A-F only; prereq 3331, 3441 or instr consent)</td>
</tr>
<tr>
<td>3441</td>
<td>Costume Design I (A-F only; prereq 1401, 1801 or instr consent)</td>
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<tr>
<td>3499</td>
<td>Production Management (max crs 15; 5 repeats allowed; A-F only; prereq Instructor consent)</td>
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<tr>
<td>3881</td>
<td>New Play Development Workshop (max crs 6; A-F only; prereq 1001, 1801 or instr consent)</td>
</tr>
<tr>
<td>3991</td>
<td>Independent Study in Theatre (max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent; undergrad max 6 cr in 3991 and 5991 combined; no Grad School credit)</td>
</tr>
<tr>
<td>4703</td>
<td>Theatre: Special Projects (max crs 12; 12 repeats allowed; A-F only; prereq Instructor consent)</td>
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<tr>
<td>4802</td>
<td>History of the Theatre II (A-F only; prereq 4801 or instr consent)</td>
</tr>
<tr>
<td>4851</td>
<td>Dramatic and Performance Theory (A-F only; prereq 3801 or instr consent)</td>
</tr>
<tr>
<td>4901</td>
<td>Intern Teaching in Theatre (max crs 9; 3 repeats allowed; A-F only; prereq Instructor consent, no Grad School credit)</td>
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**URBAN AND REGIONAL STUDIES (URS)**

**College of Liberal Arts**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>1001</td>
<td>Introduction to Urban and Regional Studies (A-F only; meets LE req of LE CAT)</td>
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<tr>
<td>1002</td>
<td>Internship in Urban and Regional Studies</td>
</tr>
<tr>
<td>1003</td>
<td>Thesis Credits: Doctoral (max crs 50; 10 repeats allowed; A-F only; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))</td>
</tr>
<tr>
<td>1004</td>
<td>Thesis Credits: Master’s (max crs 50; 10 repeats allowed; A-F only; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))</td>
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<tr>
<td>1005</td>
<td>Thesis Credits: Master’s (max crs 50; 10 repeats allowed; A-F only; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))</td>
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<tr>
<td>1006</td>
<td>Thesis Credits: Master’s (max crs 50; 10 repeats allowed; A-F only; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))</td>
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<tr>
<td>1007</td>
<td>Thesis Credits: Master’s (max crs 50; 10 repeats allowed; A-F only; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))</td>
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**WATER RESOURCES SCIENCE (WRS)**

**College of Science & Engineering**

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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>3833</td>
<td>FTE: Master’s (NGA; prereq Master s student, adviser and DGS consent)</td>
</tr>
<tr>
<td>3844</td>
<td>FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)</td>
</tr>
<tr>
<td>3866</td>
<td>Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; A-F only; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)</td>
</tr>
<tr>
<td>3877</td>
<td>Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; A-F only; prereq Max 18 cr per semester or summer; 24 cr required)</td>
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</table>

**Duluth School of Medicine**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>3833</td>
<td>FTE: Master’s (NGA; prereq Master s student, adviser and DGS consent)</td>
</tr>
<tr>
<td>3844</td>
<td>FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)</td>
</tr>
<tr>
<td>3866</td>
<td>Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; A-F only; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)</td>
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<tr>
<td>3877</td>
<td>Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; A-F only; prereq Max 18 cr per semester or summer; 24 cr required)</td>
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### WOMEN'S STUDIES (WS)  
**College of Liberal Arts**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>1000</td>
<td>Introduction to Women's Studies</td>
<td>(A-F only; meets LECD req of LECD CAT7)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
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<tr>
<td>2101</td>
<td>Women, Race, and Class</td>
<td>(A-F only; meets LECD req of LECD CAT8)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
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<tr>
<td>3001</td>
<td>Third World Women</td>
<td>(A-F only; prereq 1000 or 2101 or instr consent)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
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<tr>
<td>3002</td>
<td>Latin American Women: Culture and Politics</td>
<td>(A-F only; prereq 1000 or 2101 or instr consent)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
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<tr>
<td>3150</td>
<td>Women-Identified Culture</td>
<td>(A-F only)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
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<tr>
<td>3200</td>
<td>Women's Autobiographies</td>
<td>(A-F only)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
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<tr>
<td>3250</td>
<td>Women, Peace and War</td>
<td>(A-F only; prereq 1000)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
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<tr>
<td>3891</td>
<td>Independent Study</td>
<td>(max crs 6; A-F only; prereq 1000, 3100, 15 cr WS or WS-related courses, instr consent)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
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<tr>
<td>3897</td>
<td>Internship</td>
<td>(max crs 9; 3 repeats allowed; S-N only; prereq 1000, 2101, 3100, 15 cr WS or WS-related courses, WS major or minor, 53 cr, instr consent)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
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<tr>
<td>4000</td>
<td>Seminar</td>
<td>(A-F only; prereq 1000, 2101, 3100, 15 cr WS or WS-related courses, WS major or minor, or instr consent)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
<td></td>
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<tr>
<td>5897</td>
<td>Teaching Internship in Women's Studies</td>
<td>(max crs 2; S-N only; prereq 1000, 2101, 3100, 15 cr WS major, instructor consent; no Grad School credit)</td>
<td>2 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>2 cr</td>
<td></td>
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<tr>
<td>5991</td>
<td>Independent Study</td>
<td>(max crs 3; A-F only; prereq 1000, 2101, 3100, 15 cr WS or WS-related courses or grad student, instr consent)</td>
<td>3 cr</td>
<td>TBA, DULUTH; Kamau, Margaret Njoki</td>
<td>3 cr</td>
<td></td>
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