

# courses

## HOW TO USE THIS SCHEDULE

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

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

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

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

When courses that must be taken in sequence are prerequisites, only the last course of the sequence is listed. When no departmental designation precedes the course number listed as a prerequisite (e.g., "prereq 3221"), that course is in the same department as the course being offered. 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)

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

**Course Changes**—See under "Registration Information>Class Schedule>Online Version" on the Web at <http://www.d.umn.edu/courseinfo/> for the most current and accurate information.

**ACCOUNTING (Acct)**

360A LSBE, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812-3011  
218/726-7966,  
<https://lsbe.d.umn.edu/accounting/accounting.php>

**Labovitz School of Business & Economics**

**2001-Principles of Financial Accounting**

(A-F; prereq Min 15 cr or college consent)  
61078-001 LEC, instruction mode: Distance Education  
Other; (LSBE students); Meets with: 61632 ACCT 2001; Reichert, Charles J, 3 cr  
61632-002 LEC, instruction mode: Distance Education Other; (Non-LSBE students); Meets with: 61078 ACCT 2001; Reichert, Charles J, 3 cr  
61079-003 LEC, 12:30pm-01:45pm TTh, LSBE 125; (LSBE students); Meets with: 61633 ACCT 2001; Salmela, Karen Ellen, 3 cr  
61633-004 LEC, 12:30pm-01:45pm TTh, LSBE 125; (Non-LSBE students); Meets with: 61079 ACCT 2001; Salmela, Karen Ellen, 3 cr  
61080-005 LEC, 04:00pm-05:15pm MW, LSBE 129; (LSBE students); Meets with: 61634 ACCT 2001; Strong PhD, Joel Matthew, 3 cr  
61634-006 LEC, 04:00pm-05:15pm MW, LSBE 129; (Non-LSBE students); Meets with: 61080 ACCT 2001; Strong PhD, Joel Matthew, 3 cr  
61931-007 LEC, 08:00am-09:15am TTh, LSBE 129; (LSBE students); Meets with: 61932 ACCT 2001; Strong PhD, Joel Matthew, 3 cr  
61932-008 LEC, 08:00am-09:15am TTh, LSBE 129; (Non-LSBE students); Meets with: 61931 ACCT 2001; Strong PhD, Joel Matthew, 3 cr  
62125-009 LEC, 03:30pm-04:45pm TTh, LSBE 125; (LSBE students); Meets with: 62126 ACCT 2001; Salmela, Karen Ellen, 3 cr  
62126-010 LEC, 03:30pm-04:45pm TTh, LSBE 125; (Open CE Reserve seats will be available to UMD students 01/10/2012); Meets with: 62125 ACCT 2001; Salmela, Karen Ellen, 3 cr  
64630-011 LEC, 06:00pm-08:40pm M, LSBE 129; Meets with: 64631 ACCT 2001; Strong PhD, Joel Matthew, 3 cr  
64631-012 LEC, 06:00pm-08:40pm M, LSBE 129; Meets with: 64630 ACCT 2001; Strong PhD, Joel Matthew, 3 cr

**2002-Principles of Managerial Accounting**

(A-F; prereq 2001, LSBE student or college consent)  
61085-001 LEC, 10:00am-10:50am MWF, LSBE 135; Erickson, Loren L, 3 cr  
61086-002 LEC, 12:00pm-12:50pm MWF, LSBE 129; Erickson, Loren L, 3 cr  
61087-003 LEC, 02:00pm-02:50pm MWF, LSBE 129; Erickson, Loren L, 3 cr  
61088-004 LEC, 08:00am-09:15am TTh, LSBE 125; Salmela, Karen Ellen, 3 cr  
61089-005 LEC, 09:30am-10:45am TTh, LSBE 125; Salmela, Karen Ellen, 3 cr  
61933-006 LEC, 06:00pm-08:40pm T, LSBE 129; , 3 cr

**3001-Technology Tools in Accounting**

(A-F; prereq LSBE cand)  
63269-001 LEC, 04:00pm-04:50pm W, LSBE 237; Erickson, Loren L, 1 cr  
64584-002 LEC, 03:30pm-04:20pm Th, LSBE 237; Erickson, Loren L, 1 cr

**3101-Intermediate Accounting I**

(A-F; prereq LSBE cand or acct minor or college consent)  
61847-001 LEC, 02:00pm-02:50pm MWF, LSBE 229; (LSBE candidates); Meets with: 61852 ACCT 3101; Hsiao, Daniel, 3 cr  
61852-002 LEC, 02:00pm-02:50pm MWF, LSBE 229; (Non-LSBE Acct minors); Meets with: 61847 ACCT 3101; Hsiao, Daniel, 3 cr

**3102-Intermediate Accounting II**

(A-F; prereq A grade of C or better in 3101, LSBE cand or non-LSBE acct minor or college consent)  
60988-001 LEC, 03:00pm-03:50pm MWF, LSBE 229; (LSBE candidates); Meets with: 61635 ACCT 3102; Kang, Grace, 3 cr  
61635-002 LEC, 03:00pm-03:50pm MWF, LSBE 229; (Non-LSBE Acct minors); Meets with: 60988 ACCT 3102; Kang, Grace, 3 cr  
63121-003 LEC, 01:00pm-01:50pm MWF, LSBE 225; (LSBE candidates); Meets with: 63122 ACCT 3102; Kang, Grace, 3 cr  
63122-004 LEC, 01:00pm-01:50pm MWF, LSBE 225; (Non-LSBE Acct minors); Meets with: 63121 ACCT 3102; Kang, Grace, 3 cr

**3201-Cost Accounting**

(A-F; prereq LSBE cand or non-LSBE acct minor or college consent)  
61144-001 LEC, 02:00pm-03:15pm TTh, LSBE 237; (LSBE candidates); Meets with: 61636 ACCT 3201; Brannan PhD, Rodger L, 3 cr

61636-002 LEC, 02:00pm-03:15pm TTh, LSBE 237; (Non-LSBE Acct minors); Meets with: 61144 ACCT 3201; Brannan PhD, Rodger L, 3 cr

**3301-Accounting Information Systems**

(A-F; prereq LSBE cand or non-LSBE acct minor or college consent ; credit will not be granted if already received for 3110.)  
61730-001 LEC, 10:00am-10:50am MWF, LSBE 237; (LSBE candidates); Meets with: 61731 ACCT 3301; Hsiao, Daniel, 3 cr  
61731-002 LEC, 10:00am-10:50am MWF, LSBE 237; (Non-LSBE Acct minors); Meets with: 61730 ACCT 3301; Hsiao, Daniel, 3 cr  
63595-003 LEC, 12:00pm-12:50pm MWF, LSBE 237; (LSBE candidates); Meets with: 63596 ACCT 3301; Hsiao, Daniel, 3 cr  
63596-004 LEC, 12:00pm-12:50pm MWF, LSBE 237; (Non-LSBE Acct minors); Meets with: 63595 ACCT 3301; Hsiao, Daniel, 3 cr

**3401-Individual Income Taxation**

(A-F; prereq Credit will not be granted if already received for ACCT 3152 or 4152; LSBE cand or approved non-LSBE acct minor or college consent)  
62499-001 LEC, 02:00pm-03:15pm TTh, LSBE 229; (LSBE candidates); Meets with: 62513 ACCT 3401; Skalberg, Randy, 3 cr  
62513-002 LEC, 02:00pm-03:15pm TTh, LSBE 229; (Non-LSBE Acct minors); Meets with: 62499 ACCT 3401; Skalberg, Randy, 3 cr

**3705-Volunteer Income Tax Assistance**

(max crs 3; S-N; prereq dept consent , 2 cr first registration, 1 cr repeat; credit will not be granted if already received for 3096)  
63567-001 IEX, 05:00pm-07:30pm TTh, LSBE 125; Skalberg, Randy, 1-2 cr

**3796-Internship in Accounting**

(max crs 6; 3 repeats allowed; S-N; prereq 3101, dept consent ; repeatable for a max of 6 credits; 3 repeats allowed; max 3 cr may be applied to acct electives; may take ACCT 3196 and 3796 for a total of 6 credits.)  
61300-001 IEX; Roline, Alan C, 2-6 cr

**3991-Independent Study**

(max crs 3; 3 repeats allowed; A-F; prereq BAac cand with 80 cr, dept consent ; or not available as acct elective; may take ACCT 3191 and 3991 for a total of 3 credits.)  
61207-001 IND; Roline, Alan C, 1-3 cr

**4101-Auditing**

(A-F; prereq 3102, 3110 or 3301, LSBE cand or college consent ; no Grad School cr; credit will not be granted if already received for 4160.)  
64016-001 LEC, 09:00am-09:50am MWF, LSBE 135; Reichert, Charles J, 3 cr  
64015-002 LEC, 11:00am-11:50am MWF, LSBE 233; Reichert, Charles J, 3 cr

**4501-Advanced Accounting**

(A-F; prereq 3102, LSBE cand or college consent)  
64017-001 LEC, 10:00am-10:50am MWF, LSBE 265; Kang, Grace, 3 cr

**4505-International Accounting**

(A-F; prereq 3102, LSBE cand or college consent)  
63568-001 LEC, 11:00am-12:15pm TTh, LSBE 237; Brannan PhD, Rodger L, 3 cr

**AEROSPACE STUDIES (Air)**

**Swenson College of Science & Engineering**

**100-AFROTC GMC Leadership Laboratory**

(S-N only)  
61792-001 LAB, 06:15am-07:45am Th, . TBA; Meets with: 61793 AIR 3000, 62676 AIR 1000, 62677 AIR 3001; Carlson, Troy A; Kolch, Kurt M, 0 cr

**100-AFROTC GMC Lead Lab**

(max crs 4; 4 repeats allowed; S-N only)  
62676-001 LAB, 06:15am-07:45am Th, . TBA; Meets with: 61792 AIR 100, 61793 AIR 3000, 62677 AIR 3001; Carlson, Troy A; Kolch, Kurt M, 1 cr

**1102-Foundations of the U.S. Air Force**

(A-F only)  
60907-001 LEC, 07:00am-07:50am T, DAdB 16A; Hollis, Colleen Joy; Carlson, Troy A; Kolch, Kurt M, 1 cr  
63927-002 LEC, 08:00am-08:50am T, DAdB 16A; Hollis, Colleen Joy; Carlson, Troy A; Kolch, Kurt M, 1 cr

**1591-Leadership Practicum**

(max crs 4; 4 repeats allowed; A-F only)  
60934-001 PRC; Carlson, Troy A; Kolch, Kurt M, 1-4 cr

**2102-The Evolution of the U.S. Air Force Air and Space Power**

(A-F only)  
60923-001 LEC, 07:00am-07:50am W, DAdB 16A; Carlson,

Troy A; Kolch, Kurt M, 1 cr

**3000-AFROTC POC Leadership Laboratory**

(max crs 4; 4 repeats allowed; S-N only)  
61793-001 LAB, 06:15am-07:45am Th, . TBA; Meets with: 61792 AIR 100, 62676 AIR 1000, 62677 AIR 3001; Carlson, Troy A; Kolch, Kurt M, 1 cr

**3001-AFROTC POC Lead Lab**

(max crs 8; 4 repeats allowed; S-N only)  
62677-001 LAB, 06:15am-07:45am Th, . TBA; Meets with: 61792 AIR 100, 61793 AIR 3000, 62676 AIR 1000; Carlson, Troy A; Kolch, Kurt M, 2 cr

**3102-Air Force Leadership Studies**

(A-F only)  
60945-001 LEC, 04:00pm-06:50pm W, DAdB 16A; Carlson, Troy A; Kolch, Kurt M, 3 cr

**3591-Leadership Practicum**

(max crs 4; 4 repeats allowed; A-F only)  
60944-001 PRC; Carlson, Troy A; Kolch, Kurt M, 1-4 cr

**4102-National Security Affairs, Preparation for Active Duty**

(A-F only; prereq No Grad School cr)  
60946-001 LEC, 05:00pm-07:50pm M, DAdB 16A; Carlson, Troy A; Kolch, Kurt M, 3 cr

**AFRICAN AND AFRICAN AMERICAN STUDIES (AAAS)**

**College of Liberal Arts**

**1101-Introduction to Black Caribbean Studies**

(A-F only; meets LE req of LE CAT6; meets LEIP req of LEIP CAT06)  
63873-001 LEC, 02:00pm-03:15pm TTh, Cina 214; Arthur, John A, 3 cr

**1103-Introduction to Africa**

(A-F only; prereq Credit will not be granted if already received for AAAS 1100.; meets DLE req of Global Perspectives)  
66655-001 LEC, 05:00pm-06:15pm TTh, LSBE 265; Mweti, Chang'aa, 3 cr

**1104-Introduction to Black America**

(A-F only; prereq credit will not be granted if already received for AAAS 1100)  
66656-001 LEC, 03:30pm-04:45pm TTh, Engr 280; Kowino, Hilary Chala, 3 cr

**3201-The African American Family**

(A-F only; prereq minimum 60 credits)  
64433-001 LEC, 04:00pm-04:50pm MWF, Cina 224; Cameron, Mary Louise, 3 cr

**3202-African Story-Telling and Folklore**

(A-F only)  
66657-001 LEC, 04:00pm-06:30pm W, BohH 112; Mweti, Chang'aa, 3 cr

**AMERICAN INDIAN STUDIES**

**(AmIn)**

116 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-8771, <http://www.d.umn.edu/~umdais/>

**College of Liberal Arts**

**1020-American Indian Experiences: 1900-present**

(A-F; prereq Credit will not be granted if already received for 1120.; meets DLE req of Cultural Diversity in the US; meets DLE req of Humanities; meets LE req of LE CAT7; meets LECD req of LECD CAT07)  
61234-001 LEC, 12:00pm-12:50pm MWF, Cina 308; Doerfler, Jill May, 3 cr  
63354-002 LEC, 11:00am-11:50am MWF, Cina 308; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Doerfler, Jill May, 3 cr

**1104-Beginning Ojibwe II**

(A-F; prereq 1103 or instr consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LECD req of LECD CAT03)  
61199-001 LEC, 11:00am-11:50am MWF, Cina 106; Redix, Erik M, 3 cr

**2015-Ojibwe History and Culture**

(A-F; prereq Credit will not be granted if already received for 2115.; meets DLE req of Cultural Diversity in the US)  
61807-001 LEC, 02:00pm-02:50pm MWF, LSci 185; Redix, Erik M, 3 cr

**2104-Intermediate Ojibwe II**

(A-F; prereq 2203 or instr consent  
Credit will not be granted if already received for 2204.; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LECD req of LECD CAT03)  
63826-001 LEC, 06:00pm-07:15pm MTh, Cina 106, 3 cr

**2405-American Indian Families and Society**  
(A-F only; meets DLE req of Cultural Diversity in the US; meets DLE req of Social Sciences; meets LE req of LE CAT8)  
63827-001 LEC, 10:00am-10:50am MWF, ChPk 122; Grover, Linda LeGarde, 3 cr

**2605-Survey of American Indian Arts**  
(A-F; prereq Credit will not be granted if already received for 2105.; meets DLE req of Cultural Diversity in the US; meets DLE req of Fine Arts; meets LE req of LE CAT9)  
62195-001 LEC, 02:00pm-03:15pm TTh, EduE 20; (Open CE Reserve seats will be available to UMD students 01/12/10.); Grover, Linda LeGarde, 3 cr

**3206-Federal Indian Policy**  
(A-F; prereq 30 credits; this course previously titled: Indian-White Relations; credit will not be granted if already received for 3106.; meets DLE req of Cultural Diversity in the US; meets DLE req of Social Sciences; meets LE req of LE CAT8; meets LECD req of LECD CAT08)  
62018-001 LEC, 09:30am-10:45am TTh, Cina 308; Bauerkemper, Joseph Karl, 3 cr

**3393-Projects in American Indian Studies**  
(max crs 10; 10 repeats allowed; A-F; prereq 1020, 1120, minimum 30 credits, instr consent ; maximum 10 credits between AMIN 3300 and 3393)  
61236-001 IND, 1-5 cr

**3430-Global Indigenous Studies**  
(A-F only; meets DLE req of Global Perspectives)  
67527-001 LEC, 03:30pm-04:45pm TTh, Cina 308; Bauerkemper, Joseph Karl, 3 cr

**3660-American Indian Novel**  
(A-F; prereq 1120, 1020 or instr consent ; 30 credits; Credit will not be granted if already received for 3260.; meets DLE req of Cultural Diversity in the US; meets DLE req of Humanities)  
63500-001 LEC, 01:00pm-01:50pm MWF, Cina 102; Grover, Linda LeGarde, 3 cr

**3997-Internship in American Indian Studies**  
(max crs 12; 3 repeats allowed; A-F; prereq Amln major, 60 credits or instr consent)  
61237-001 IEX, 4-8 cr

**4990-Directed Research**  
(max crs 12; 12 repeats allowed; A-F; prereq max 8 cr to Grad School program, instr consent)  
61238-001 DRS, 1-6 cr

**AMERICAN SIGN LANGUAGE (ASL)**

150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN, 55812-3029  
218/726-7233, <http://www.d.umn.edu/educ/>

**College of Education & Human Service Professions**

**2001-Beginning American Sign Language I**  
(A-F only; prereq Credit will not be granted if already received for CSD 2001.; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LECD req of LECD CAT03)  
63278-001 LEC, 11:00am-11:50am MWF, EduE 17; Coffin-Langdon, Joanne, 3 cr  
63279-002 LEC, 01:00pm-01:50pm MWF, EduE 16; , 3 cr  
63280-090 LEC, 06:00pm-08:40pm T, EduE 51; Open CE reserved seats will be available to UMD students on 01/15/2013.; 6 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Small MS, Justin M., 3 cr

**2002-Beginning American Sign Language II**  
(A-F only; prereq 2001 or instr consent ; credit will not be granted if already received for CSD 2002; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LECD req of LECD CAT03)  
61297-001 LEC, 09:00am-09:50am MWF, EduE 17; Coffin-Langdon, Joanne, 3 cr  
62530-002 LEC, 10:00am-10:50am MWF, EduE 17; Coffin-Langdon, Joanne, 3 cr  
63102-003 LEC, 02:00pm-02:50pm MWF, EduE 17; Coffin-Langdon, Joanne, 3 cr  
61887-004 LEC, 03:30pm-04:45pm TTh, EduE 17; , 3 cr  
63275-090 LEC, 06:00pm-08:40pm M, MonH 151; Open CE reserved seats will be available to UMD students on 01/15/2013.; 6 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Coffin-Langdon, Joanne, 3 cr  
65486-091 LEC, 06:00pm-08:40pm Th, EduE 51; Guddeck, Julie Kathlene, 3 cr

**3003-Intermediate American Sign Language I**  
(A-F only; prereq 2002 or instr consent ; credit will not be granted if already received for CSD 5003; meets DLE req of Oral Communication & Languages)

63564-001 LEC, 02:00pm-03:15pm TTh, MonH 121; Diener EdD, Nancy McFarlin, 3 cr

**3004-Intermediate American Sign Language II**  
(A-F only; prereq 3003 or instr consent ; credit will not be granted if already received for CSD 5004; meets DLE req of Oral Communication & Languages)  
62949-001 LEC, 09:00am-09:50am MWF, MonH 151; Open CE reserved seats will be available to UMD students on 01/15/2013.; 6 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Diener EdD, Nancy McFarlin, 3 cr  
63277-090 LEC, 06:00pm-08:40pm M, MonH 121; Diener EdD, Nancy McFarlin, 3 cr

**4005-Advanced American Sign Language**  
(A-F only; prereq 3004 or instr consent ; no Grad School cr; credit will not be granted if already received for CSD 4005; meets DLE req of Oral Communication & Languages)  
64033-001 LEC, 01:00pm-01:50pm MWF, MonH 151; Coffin-Langdon, Joanne, 3 cr

**4105-History of the American Deaf Community**  
(A-F only; prereq no grad credit; meets DLE req of Cultural Diversity in the US)  
64501-001 LEC, 11:00am-12:15pm TTh, MonH 151; Diener EdD, Nancy McFarlin, 3 cr

**4110-Deaf Culture**  
(A-F; prereq 3004 or instr consent , no Grad School cr)  
63144-001 LEC, 09:30am-10:45am TTh, MonH 151; Diener EdD, Nancy McFarlin, 3 cr  
65487-090 LEC, 06:00pm-08:40pm M, LSBE 165; Coffin-Langdon, Joanne, 3 cr

**4298-American Sign Language Skill Building Workshop**  
(A-F only; prereq 2002 or instr consent , no Grad School cr)  
63281-001 LEC, 03:00pm-03:50pm M, EduE 17; Diener EdD, Nancy McFarlin, 1 cr

**ANTHROPOLOGY (Anth)**

228 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-7801, <http://www.d.umn.edu/socanth/>

**College of Liberal Arts**

**1602-Prehistoric Cultures**  
(Credit will not be granted if credit has been received for: ANTH 1601; A-F only; meets DLE req of Social Sciences; meets LE req of LE CAT7; meets LEIP req of LEIP CAT07)  
60891-001 LEC, 11:00am-12:50pm TTh, Chem 200; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Woodward, David James, 4 cr

**3624-Archaeology of North America**  
(A-F only; prereq 1604, min 30 cr)  
63894-001 LEC, 10:00am-10:50am MWF, Cina 214; Mulholland, Susan Collins, 3 cr

**3632-Latin American Cultures**  
(A-F only; prereq 1604, min 30 cr)  
68402-001 LEC, 02:00pm-02:50pm MWF, Cina 202; Woodward, David James, 3 cr

**3638-Peoples and Cultures of the Middle East**  
(A-F only; prereq 1604, min 30 cr or instr consent)  
66658-001 LEC, 08:00am-09:15am TTh, Cina 214; Jones, Jennifer Elaine, 3 cr

**3642-Exploring Human Origins**  
(A-F only; prereq Min 30 cr or instr consent)  
68401-001 LEC, 11:00am-11:50am MWF, Cina 214; Kuhlke, Karl Lynne, 3 cr

**3644-Primateology**  
(A-F only; prereq 1602)  
68488-001 LEC, 09:00am-09:50am MWF, MWAH 191; Kuhlke, Kari Lynne, 3 cr

**3691-Independent Study in Anthropology**  
(max crs 10; A-F only; prereq Min 60 credits or instr consent)  
63675-001 IND; Jones, Jennifer Elaine, 1-5 cr

**3888-Anthropology of Food**  
(A-F; prereq 1604 or instr consent; meets DLE req of Sustainability)  
64434-001 LEC, 12:30pm-01:45pm TTh, Cina 214; Roufs, Tim, 3 cr  
63863-350 LEC; (Open CE reserved seats will be available to UMD students on 01/15/13); 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Roufs, Tim, 3 cr

**4616-Culture and Personality**  
(A-F only; prereq 1604, min 60 cr)  
63142-001 LEC, 03:30pm-04:45pm TTh, Cina 214; Roufs, Tim, 3 cr

**4632-Anthropology of Landscapes**

(A-F only; prereq 1604, min 60 credits or Grad School student or instr consent)  
68386-001 LEC, 09:30am-10:45am TTh, Cina 214; Jones, Jennifer Elaine, 3 cr

**4644-Anthropology of Law**  
(A-F only; prereq minimum 60 credits; no grad credit)  
66659-001 DRD, 12:00pm-01:50pm MW, Cina 214; Milun, Kathryn Ann, 4 cr

**4653-Senior Seminar**  
(A-F only; prereq 1604, min 90 cr or instr consent ; no Grad School cr)  
60895-001 SEM, 04:00pm-05:15pm MW, Cina 214; Roufs, Tim, 3 cr

**4691-Independent Study in Anthropology**  
(max crs 5; 5 repeats allowed; A-F only; prereq Min 60 cr or instr consent , no Grad School cr)  
60972-001 IND; Jones, Jennifer Elaine, 1-5 cr

**4695-Special Topics: (Various Titles to be Assigned)**  
(max crs 10; 10 repeats allowed; A-F only; prereq 1604, min 90 cr or instr consent)  
68400-001 SEM, 01:00pm-01:50pm MWF, EduE 20; Mulholland, Susan Collins, 1-5 cr; T:Cultural Resource Management

**4697-Anthropology Internship**  
(max crs 6; S-N only; prereq instr consent , no Grad School cr)  
61884-001 IEX; Jones, Jennifer Elaine, 2-6 cr

**4699-Honors Project**  
(max crs 4; A-F only; prereq 1604, instr consent ; no Grad School cr; meets HON req of Honors)  
61414-001 DRS; Jones, Jennifer Elaine, 2-4 cr

**4910-Teaching Assistantship in Anthropology**  
(max crs 3; 3 repeats allowed; A-F; prereq Min 60 cr, instr consent , no Grad School cr; maximum 3 credits between ANTH 4997 and 4910)  
61866-001 PRC; Jones, Jennifer Elaine, 1-3 cr

**ART (Art)**

317 H, 1201 Ordean Court, School of Fine Arts, Duluth, MN, 55812-3011  
218/726-8225, <http://www.d.umn.edu/art/>

**School of Fine Arts**

**901-Graphic Design Portfolio Review**  
(S-N only; prereq (repeatable one time), 9 cr in art courses, pre-graphic design major or dept consent)  
61808-001 DIS; Koch Phd, Beth E, 0 cr

**902-Studio Art Portfolio Review**  
(S-N; prereq 15 cr in art courses, pre-studio art major or dept consent)  
63023-001 STU; Repinski, Robert A, 0 cr

**903-Art Education Portfolio Review**  
(S-N only; prereq (repeatable one time), 9 cr in art courses, pre-art ed major or dept consent)  
62064-001 DIS; Colman, Marian, 0 cr

**1002-Introduction to Art**  
(Credit will not be granted if credit has been received for: ART 1005; A-F only; prereq Not for art majors or minors except those in art history; meets DLE req of Fine Arts; meets LE req of LE CAT10)  
61095-001 LEC, 10:00am-11:40am MW, ABAH 125; Benzer, Fatih, 3 cr  
61096-002 LEC, 08:00am-09:40am TTh, ABAH 125; Murphy, Robin Marie, 3 cr  
63272-003 LEC, 12:00pm-01:40pm TTh, ABAH 125; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Kalstrom, Jeffrey Scott, 3 cr  
63875-004 LEC, 04:00pm-05:40pm TTh, ABAH 125; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Murphy, Robin Marie, 3 cr

**1003-Introduction to Design**  
(A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT9)  
63406-@050 LEC, instruction mode: Distance Education Other; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Wittig, Rob, 3 cr

**1009-Fundamentals of Drawing**  
(Credit will not be granted if credit has been received for: ART 1006; A-F only; prereq Not for art majors or minors; meets DLE req of Fine Arts; meets LE req of LE CAT10)  
62197-090 LEC, 06:00pm-09:50pm T, ABAH 325; Open CE reserved seats will be available to UMD students on 01/15/2013.; 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Meets with: 61809 ART 1010; Repinski, Robert A, 3 cr

**1010-Drawing I**

(A-F only; prereq Art or art ed major or art minor or architecture and design minor or instr consent)  
 61985-001 LEC, 10:00am-11:55am TTh, ABAH 325; Christine, Jayme, 3 cr  
 62945-002 LEC, 12:00pm-01:55pm TTh, ABAH 325; Murphy, Robin Marie, 3 cr  
 63260-003 LEC, 02:00pm-03:55pm TTh, ABAH 325; Christine, Jayme, 3 cr  
 66574-004 LEC, 04:00pm-07:55pm W, ABAH 325; Ramon, Cecilia, 3 cr  
 61809-090 LEC, 06:00pm-09:50pm T, ABAH 325; Open CE reserved seats will be available to UMD students on 01/15/2013.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Meets with: 62197 ART 1009; Repinski, Robert A, 3 cr

**1011-2-D Design**

(A-F only; prereq Art or art ed major or art minor or instr consent)  
 61810-001 LEC, 12:00pm-01:55pm MW, ABAH 125; Benzer, Fatih, 3 cr  
 63891-002 LEC, 02:00pm-03:55pm MW, ABAH 125; Ramon, Cecilia, 3 cr  
 64219-003 LEC, 10:00am-11:55am TTh, ABAH 125; Colman, Marian, 3 cr  
 66575-004 LEC, 02:00pm-03:55pm TTh, ABAH 125; Benzer, Fatih, 3 cr

**1012-3-D Design**

(Credit will not be granted if credit has been received for: ART 1015; A-F only; prereq Art or art ed major or architecture and design studies minor or instr consent)  
 62395-001 LEC, 12:00pm-01:55pm MW, ABAH 145; Kalstrom, Jeffrey Scott, 3 cr  
 62450-002 LEC, 02:00pm-03:55pm MW, ABAH 145; Kalstrom, Jeffrey Scott, 3 cr  
 66616-003 LEC, 08:00am-09:55am TTh, ABAH 135; Suh, Eun-Kyung, 3 cr  
 66646-004 LEC, 12:00pm-01:55pm TTh, ABAH 135; Suh, Eun-Kyung, 3 cr

**1013-2-D Digital Design**

(A-F only; prereq Art or art ed major or art minor or photography minor or architecture and design studies minor or communication arts or arts in media minor or instr consent)  
 61743-001 LEC, 12:00pm-01:55pm MW, MonH 108; Hunt, Betsy Janelle, 3 cr  
 61811-002 LEC, 10:00am-11:55am TTh, MonH 108; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Jin, Chenxi, 3 cr  
 61975-003 LEC, 12:00pm-01:55pm TTh, MonH 108; Benzer, Fatih, 3 cr  
 63419-004 LEC, 02:00pm-03:55pm TTh, MonH 108; Jin, Chenxi, 3 cr

**1125-Watercolor I**

(A-F only; prereq 1002 or 1010 or instr consent)  
 66689-090 LEC, 05:00pm-08:50pm W, H 331; Meets with: 66690 ART 1126; Colman, Marian, 3 cr

**1126-Watercolor II**

(max crs 6; A-F only; prereq 1125 or instr consent ; credit will not be granted if already received for 3125)  
 66690-090 LEC, 05:00pm-08:50pm W, H 331; Meets with: 66689 ART 1125; Colman, Marian, 3 cr

**1305-Social Multiples: Availability and Circulation**

(A-F only; meets DLE req of Fine Arts)  
 67532-001 LEC, 02:00pm-03:55pm MW, H 332; Diemer, Lydia M, 3 cr

**1405-Fundamentals of Ceramics I**

(A-F only; prereq Not for art majors or minors; meets DLE req of Fine Arts; meets LE req of LE CAT10)  
 61477-090 LEC, 06:00pm-09:50pm W, ABAH 155; Open CE reserved seats will be available to UMD students on 01/15/2013.; 3 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Meets with: 61478 ART 3405; James, Elizabeth J, 3 cr

**1814-Creating Across Cultures**

(A-F only; prereq Credit will not be granted if already received for 2814; meets DLE req of Cultural Diversity in the US; meets DLE req of Fine Arts; meets LE req of LE CAT9; meets LECD req of LECD CAT09)  
 61924-001 LEC, 06:00pm-08:30pm M, H 490; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Ramon, Cecilia, 3 cr

**1900-Visual Literacy**

(A-F only; prereq Credit will not be granted if already received for 2900; meets DLE req of Fine Arts; meets LE req of LE CAT9)  
 62168-001 LEC, 09:30am-10:45am TTh, H 314; Klueg, James, 3 cr

**2014-3-D Digital Studio I**

(Credit will not be granted if credit has been received for: ART 1014; A-F only; prereq 1013 and art or art ed major, pre-art educ major or pre-graphic design major, or art minor or architecture and design studies minor or instr consent ; credit will not be granted if already received for 1014 or 3014)  
 64124-001 LAB, 10:00am-11:55am MW, KP1z 143; Suh, Eun-Kyung, 3 cr

**2016-Digital Arts: Mixed-Media Studio**

(max crs 6; A-F only; prereq 1013, art or art ed major, pre-art educ major or pre-graphic design major, or art or photography minor or instr consent ; credit will not be granted if already received for 3016)  
 60960-001 LEC, 10:00am-11:55am MW, ABAH 335; Rock, Joellyn Jean, 3 cr  
 61567-002 LEC, 02:00pm-03:55pm MW, ABAH 335; Rock, Joellyn Jean, 3 cr

**2030-Digital Arts: Time-based Media**

(max crs 6; A-F only; prereq 1013, art or art related majors or minors or instr consent ; credit will not be granted if already received for 3030)  
 63264-001 LEC, 10:00am-11:55am TTh, ABAH 335; Hunt, Betsy Janelle, 3 cr  
 64552-002 LEC, 02:00pm-03:55pm TTh, ABAH 335; Hunt, Betsy Janelle, 3 cr

**2040-Digital Filmmaking: Visual Narratives**

(A-F only; prereq 1013 or film minor or instr consent)  
 66772-001 STU, 12:00pm-01:55pm TTh, ABAH 335; Meets with: 66773 ART 4040; Rock, Joellyn Jean, 3 cr

**2100-Painting I**

(A-F only; prereq 1006 or 1009 or 1010, 1011, art or art ed major or art minor or instr consent ; credit will not be granted if already received for 1100)  
 60983-001 LEC, 12:00pm-01:55pm MW, H 318; Christine, Jayme, 3 cr  
 61812-002 LEC, 02:00pm-03:55pm TTh, H 318; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Nakajima, Ryuta, 3 cr

**2200-Sculpture I**

(A-F only; prereq 1015 or 1012, art or art ed major or art minor or instr consent ; credit will not be granted if already received for 1200)  
 62404-001 LEC, 10:00am-11:55am TTh, ABAH 145; Kalstrom, Jeffrey Scott, 3 cr

**2300-Printmaking I: Intaglio, Relief**

(Credit will not be granted if credit has been received for: ART 2302; A-F only; prereq 1006 or 1009 or 1010, 1011, art or art ed major or art minor or instr consent)  
 67867-001 LEC, 10:00am-11:55am MW, H 332; Repinski, Robert A, 3 cr

**2301-Printmaking I: Litho, Screen**

(A-F only; prereq 1006 or 1009 or 1010, 1011, art or art ed major or art minor or instr consent ; credit will not be granted if already received for 1301)  
 64592-002 LEC, 02:00pm-03:55pm TTh, H 332; Diemer, Lydia M, 3 cr

**2400-Ceramics I**

(A-F only; prereq 1012, art or art ed major or art minor or instr consent ; credit will not be granted if already received for 1400)  
 60976-001 LEC, 12:00pm-01:55pm TTh, ABAH 155; (Open CE reserved seats will be available to UMD students on January 15, 2008.); James, Elizabeth J, 3 cr

**2600-Photography I**

(Credit will not be granted if credit has been received for: ART 1605, ART 1600, ART 1607; A-F only; prereq 1013, Art major or Art or Photography Minor or instr consent)  
 61098-001 LEC, 12:00pm-01:55pm MW, Cina 16; Pless, Kristen Marie, 3 cr  
 62451-002 LEC, 08:00am-09:55am TTh, Cina 16; Pless, Kristen Marie, 3 cr  
 64261-003 LEC, 10:00am-11:55am TTh, Cina 16; Pless, Kristen Marie, 3 cr

**2810-Art in Elementary Education**

(A-F only; prereq pre-El Ed major; meets DLE req of Fine Arts; meets LE req of LE CAT10)  
 63672-001 STU, 10:00am-11:55am MW, H 331; Colman, Marian, 3 cr  
 63673-002 STU, 12:00pm-01:55pm MW, H 331; Colman, Marian, 3 cr  
 64427-003 STU, 10:00am-11:55am TTh, H 331; Aune, Alison Judith, 3 cr

**2911-Graphic Design I**

(A-F only; prereq 2905, 2907, graphic design major or instr consent)  
 61070-001 LEC, 08:00am-09:55am MW, MonH 206; Gordon, Jennifer Ann, 3 cr  
 61786-002 LEC, 10:00am-11:55am MW, MonH 206; Gordon,

Jennifer Ann, 3 cr  
 62556-003 LEC, 02:00pm-03:55pm MW, Library 409; Kmetz, Janice D, 3 cr

**3031-Digital Arts: Installation and Collaborative Media**

(max crs 6; A-F only; prereq 2030, art or art ed major, pre-art educ major or pre-graphic design major, or art minor or instr consent ; credit will not be granted if already received for 5030)  
 63265-001 LEC, 06:00pm-07:55pm MW, ABAH 335; Hunt, Betsy Janelle, 3 cr

**3100-Painting II**

(max crs 9; 3 repeats allowed; A-F only; prereq 2100, art or art ed major, pre-art educ major or pre-graphic design major, or art minor or instr consent ; max 9 cr)  
 60984-001 LEC, 10:00am-11:55am TTh, H 318; Meets with: 60985 ART 4100; Nakajima, Ryuta, 3 cr

**3300-Printmaking II**

(max crs 6; A-F only; prereq 2300 or 2301, art or art ed major or art minor or instr consent)  
 63266-001 LEC, 10:00am-11:55am TTh, H 332; Meets with: 63267 ART 4300; Repinski, Robert A, 3 cr

**3305-Sustainability Studio: Theory and Practice**

(A-F only; prereq minimum 60 credits, Art major; meets DLE req of Sustainability)  
 66759-001 STU, 04:00pm-05:55pm TTh, ABAH 135; Diemer, Lydia M, 3 cr

**3400-Ceramics II**

(max crs 6; A-F only; 2400 or instr consent; 2400 or instr consent)  
 60977-001 LEC, 02:00pm-03:55pm TTh, ABAH 155; Meets with: 60978 ART 4400; James, Elizabeth J, 3 cr

**3405-Fundamentals of Ceramics II**

(max crs 6; prereq 1405 or instr consent ; not for art majors or minors; meets DLE req of Fine Arts)  
 61478-090 LEC, 06:00pm-09:50pm W, ABAH 155; Meets with: 61477 ART 1405; James, Elizabeth J, 3 cr

**3425-Ceramics II Wheel Throwing**

(A-F only; prereq 2400, art or art ed major or art minor or instr consent)  
 62410-001 LEC, 02:00pm-03:55pm MW, ABAH 155; James, Elizabeth J, 3 cr

**3600-Photography: Alternative Processes**

(A-F only; prereq 1013, 1607 or 2600, Art major or Art or Photography minor or instr consent)  
 61099-001 LEC, 12:00pm-01:55pm TTh, Cina 16; Percy, Wanda J, 3 cr  
 63869-002 LEC, 02:00pm-03:55pm TTh, Cina 16; Percy, Wanda J, 3 cr

**3615-Photography: Inventing with Light**

(A-F only; prereq 1013, 1607 or 2600, pre-DAP or Studio DAP major or Photography minor; instructor consent required.)  
 67771-001 LAB, 08:00am-09:55am MW, Cina 16; Pless, Kristen Marie, 3 cr

**3700-Drawing II**

(max crs 6; A-F only; prereq 1006 or 1009 or 1010, art or art ed major, pre-art educ major or pre-graphic design major, or art minor or instr consent)  
 63261-001 LEC, 10:00am-11:55am MW, ABAH 325; Diemer, Lydia M, 3 cr  
 63262-002 LEC, 02:00pm-03:55pm MW, ABAH 325; Repinski, Robert A, 3 cr

**3715-Figure Drawing**

(A-F; prereq 3700, art or art ed or graphic design major or art minor or instr consent)  
 62797-001 LAB, 05:00pm-08:50pm M, ABAH 325; Percy, Wanda J, 3 cr

**3809-Art in Elementary Education Methods**

(A-F only; prereq 0903, art education cand)  
 62671-001 LEC, 12:00pm-01:55pm TTh, H 331; Aune, Alison Judith, 3 cr

**3811-Teacher as Artist: Postmodern Theory and Practice**

(A-F only; prereq 0903, [3809 or 3810], Art ed major or instr consent)  
 63146-001 LEC, 02:00pm-03:55pm MW, H 331; Dietrich, Jennifer Lee, 3 cr

**3907-Typography II**

(A-F only; prereq 2907, graphic design major or instr consent)  
 66696-001 LAB, 10:00am-11:55am MW, MonH 239; Bar-dolph, Steve, 3 cr  
 66697-002 LAB, 12:00pm-01:55pm TTh, MonH 239; Bar-dolph, Steve, 3 cr  
 66698-003 LAB, 02:00pm-03:55pm TTh, MonH 239; Bar-dolph, Steve, 3 cr

**3933-Graphic Design III**

(A-F only; prereq 3922, graphic design major or instr

consent)  
61071-001 LEC, 12:00pm-01:55pm MW, MonH 206; Wittig, Rob, 3 cr  
61885-002 LEC, 10:00am-11:55am TTh, MonH 206; Lehman, Victoria Dahlstrom, 3 cr  
62978-003 LEC, 02:00pm-03:55pm TTh, MonH 206; Wittig, Rob, 3 cr

**4040-Digital Filmmaking: Advanced Projects**  
(A-F; prereq 2040 or 3040 or instr consent)  
66773-001 LAB, 12:00pm-01:55pm TTh, ABAH 335; Meets with: 66772 ART 2040; Rock, Joellyn Jean, 3 cr

**4100-Painting III**  
(max crs 9; 3 repeats allowed; A-F only; prereq 3100, art or art ed major or art minor or instr consent ; no Grad School cr)  
60985-001 LEC, 10:00am-11:55am TTh, H 318; Meets with: 60984 ART 3100; Nakajima, Ryuta, 3 cr

**4191-Individual Study in Painting**  
(max crs 9; 9 repeats allowed; A-F only; prereq Two sem painting, instr consent ; no Grad School cr)  
60986-001 IND; Nakajima, Ryuta, 1-3 cr

**4300-Printmaking III**  
(max crs 6; A-F only; prereq 3300, art or art ed major or art minor or instr consent)  
63267-001 LEC, 10:00am-11:55am TTh, H 332; Meets with: 63266 ART 3300; Repinski, Robert A, 3 cr

**4391-Individual Study in Printmaking**  
(max crs 9; 9 repeats allowed; A-F only; prereq 3300, dept consent)  
63970-001 IND; Repinski, Robert A, 1-3 cr

**4400-Ceramics III**  
(max crs 6; A-F only; prereq 3400, art or art ed major or art minor or instr consent ; no Grad School cr)  
60978-001 LEC, 02:00pm-03:55pm TTh, ABAH 155; Meets with: 60977 ART 3400; James, Elizabeth J, 3 cr

**4491-Individual Study in Ceramics**  
(max crs 9; 9 repeats allowed; A-F only; prereq 2 sem ceramics, dept consent)  
61107-001 IND; James, Elizabeth J, 1-3 cr

**4600-Photography: Digital Portfolio**  
(max crs 9; 3 repeats allowed; A-F only; prereq 1900, 1607 or 2600, art major or art or photography minor or instr consent)  
61100-001 LEC, 02:00pm-03:55pm MW, Cina 16; Brush, Gloria DeFilipps, 3 cr

**4650-Alternative Processes Portfolio**  
(max crs 6; A-F; prereq 3600, art or art ed major or photography minor or instr consent)  
62801-001 STU, 04:00pm-05:55pm TTh, Cina 16; Percy, Wanda J, 3 cr

**4675-Photography: The Photographic Book**  
(max crs 9; 3 repeats allowed; A-F; prereq 4600, art major or photography minor or instr consent)  
62804-001 STU, 10:00am-11:55am MW, Cina 16; Brush, Gloria DeFilipps, 3 cr

**4691-Individual Study in Photography**  
(max crs 9; 9 repeats allowed; A-F only; prereq 2 semesters of photography, dept consent)  
61568-001 IND; Brush, Gloria DeFilipps, 1-3 cr

**4700-Drawing III**  
(max crs 6; A-F only; prereq 3700, art or art ed major or art minor or instr consent)  
63263-001 LEC, 12:00pm-01:55pm MW, ABAH 325; Nakajima, Ryuta, 3 cr

**4812-Senior Seminar**  
(A-F only; prereq Sr or instr consent ; no Grad School cr)  
61434-001 SEM, 12:00pm-01:15pm MW, ABAH 335; Dietrich, Jennifer Lee, 3 cr  
62176-002 SEM, 09:30am-10:45am TTh, BohH 343; Dietrich, Jennifer Lee, 3 cr

**4813-Senior Seminar II: Studio Practice**  
(A-F only; prereq 4812, Sr or instr consent , studio art-general major; no Grad School cr)  
62805-001 LEC, 02:00pm-03:15pm TTh, ABAH 345; Dietrich, Jennifer Lee, 3 cr

**4899-Senior Presentation/Exhibition**  
(A-F only; prereq Sr art major, instr consent ; no Grad School cr)  
61106-001 STU; Repinski, Robert A, 1 cr

**4903-Art Education Student Teaching Seminar**  
(A-F only; prereq Art ed major and Concurrent registration is required (or allowed) in Educ 4500, EdSe 4600, EEd 4650; no Grad School cr)  
63258-001 LEC, 04:00pm-04:50pm Th, H 331; Colman, Marian; Aune, Alison Judith, 1 cr

**4905-Design Technology II**  
(A-F only; prereq 2905, graphic design major or instr consent)  
61744-001 LEC, 10:00am-11:55am MW, MonH 108; Lehman, Victoria Dahlstrom, 3 cr  
61986-002 LEC, 02:00pm-03:55pm MW, MonH 108; Lehman, Victoria Dahlstrom, 3 cr  
62810-003 LEC, 08:00am-09:55am TTh, MonH 108; Lehman, Victoria Dahlstrom, 3 cr

**4908-Interactive Design I**  
(max crs 6; A-F only; prereq 4907, graphic design major, or digital art and photography emphasis or Grad Student or instr consent ; credit will not be granted if already received for 5909)  
61987-001 LEC, 10:00am-11:55am MW, MonH 209; Koch PhD, Beth E, 3 cr  
62474-002 LEC, 12:00pm-01:55pm MW, MonH 239; Koch PhD, Beth E, 3 cr  
62594-003 LEC, 10:00am-11:55am TTh, MonH 239; Koch PhD, Beth E, 3 cr

**4933-Senior Design Studio II**  
(max crs 6; A-F only; prereq 4922 or instr consent , no Grad School cr)  
62592-001 SEM, 02:00pm-03:55pm MW, MonH 206; Gordon, Jennifer Ann, 3 cr  
62593-002 SEM, 05:00pm-06:55pm MW, MonH 206; Gordon, Jennifer Ann, 3 cr  
63200-003 SEM, 04:00pm-05:55pm TTh, MonH 206; Wittig, Rob, 3 cr

**5991-Independent Study in Graphic Design**  
(max crs 9; 9 repeats allowed; A-F only; prereq 2 sem work in graphic design and graphic design major and instr consent)  
61430-001 IND; Kmetz, Janice D, 1-3 cr  
61988-002 IND; Bardolph, Steve, 1-3 cr  
63232-003 IND; Koch PhD, Beth E, 1-3 cr  
68418-004 IND; Wittig, Rob, 1-3 cr

**5997-Art Museum Internship**  
(max crs 12; 4 repeats allowed; A-F only; prereq 1001, 6 cr ArtH; 1 cr for each 45 hrs of work; no Grad School cr, instr consent)  
61105-001 IEX; Hudec, Susan Marie, 1-3 cr

**8901-Graduate Seminar**  
(max crs 16; 4 repeats allowed; A-F only; prereq Concurrent registration is required (or allowed) for 8980)  
61451-001 SEM; Kmetz, Janice D, 4 cr

**8980-Graduate Studio**  
(max crs 16; 4 repeats allowed; A-F only; prereq Concurrent registration is required (or allowed) in 8901; Grad student)  
61452-001 STU; Kmetz, Janice D, 4 cr

**ART HISTORY (ArtH)**

317 H, 1201 Ordean Court, School of Fine Arts, Duluth, MN, 55812-3011

218/726-8225, <http://www.d.umn.edu/art/>

**School of Fine Arts**

**1304-History of World Art II**  
(A-F only; meets DLE req of Humanities; meets LE req of LE CAT9; meets LEIP req of LEIP CAT09)  
61989-001 LEC, 09:00am-09:50am MWF, MonH 80; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Roslak, Robyn, 3 cr

**3320-Ancient Art**  
(A-F only)  
63635-001 LEC, 11:00am-12:15pm TTh, ABAH 345; Webb, Jennifer, 3 cr

**3330-Renaissance Painting and Sculpture**  
(A-F only)  
61813-001 LEC, 09:30am-10:45am TTh, ABAH 345; Webb, Jennifer, 3 cr

**3340-Baroque and Rococo Art**  
(A-F only)  
64122-001 LEC, 12:45pm-02:00pm TTh, ABAH 345; Webb, Jennifer, 3 cr

**3370-European Art, 1900-1945**  
(A-F only)  
64520-001 LEC, 10:00am-10:50am MWF, ABAH 345; Roslak, Robyn, 3 cr

**4491-Directed Study in 19th- and 20th-Century European Art**  
(max crs 9; 9 repeats allowed; A-F only; prereq Grad Student or instr consent ; max 6 cr for undergrads, max 9 cr for grad)  
63922-001 IND; Roslak, Robyn, 1-4 cr

**4620-History of Photography**  
(A-F only; prereq 2390 or 3370 or art or art ed major or

art, photography or communication arts minor or instr consent)  
63638-001 LEC, 12:00pm-01:15pm MW, ABAH 345; Brush, Gloria DeFilipps, 3 cr

**4901-History of Graphic Design**  
(A-F only; prereq Graphic Design major or Art History major or minor or Studio Art major or Digital Art and Photography minor or Arts in Media minor or Grad student or instr consent)  
61072-050 LEC; Degerstrom, Amy, 3 cr  
64591-051 LEC; Degerstrom, Amy, 3 cr

**4999-Senior Paper Art History**  
(A-F only; prereq Major in ArtH with 90 cr, instr consent , no Grad School cr)  
61970-001 DRs; Roslak, Robyn, 1 cr  
61990-002 DRs; Webb, Jennifer, 1 cr  
66571-003 DRs; Gupta, Atreyee, 1 cr

**5391-Directed Study in Renaissance and Baroque Art**  
(max crs 9; 9 repeats allowed; A-F only; prereq instr consent ; max 6 cr for undergrads)  
63636-001 IND; Webb, Jennifer, 1-3 cr

**ASTRONOMY (Ast)**

229 HH, 1114 Kirby Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3011

218/726-8385, <http://www.d.umn.edu/geology/>

**Swenson College of Science & Engineering**

**1040-Introductory Astronomy**  
(A-F only; meets DLE req of Natural Sciences; meets LE req of LE CAT5)  
62170-001 LEC, 11:00am-11:50am MWF, LSci 185; Hartley, Susan R, 3 cr  
61840-090 LEC, 06:00pm-08:40pm M, LSci 175; (Open CE reserved seats will be available to UMD students on 01/15/13); 37 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Hartley, Susan R, 3 cr  
61479-350 LEC; (Open CE reserved seats will be available to UMD students on 01/15/13); 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Mooers, Howard D, 3 cr

**BEHAVIORAL SCIENCES (BhSc)**

236 SMed, 1035 University Drive, University of Minnesota Medical School Duluth, Duluth, MN, 55812-3011

218/726-7144, <http://www.med.umn.edu/duluth/>

**Medical School - Duluth Campus**

**5432-Clinical Psychopharmacology**  
61748-001 LEC; Boulger, James G, 3 cr  
**5491-Problems in Medical Behavioral Sciences**  
(max crs 6; A-F only; prereq Med or upper div or Grad Student, instr consent ; max 6 cr to Grad School program)  
61654-001 IND; Boulger, James G, 1-6 cr

**5591-Social and Behavioral Medicine II**  
(P-N; prereq Regis med student, instr consent)  
63215-001 LEC; Boulger, James G, 4 cr

**6652-Social and Behavioral Medicine I**  
(P-N; prereq Regis med student)  
61601-001 LEC; Hovland PhD, LPJane, 4 cr

**BIOCHEMISTRY AND MOLECULAR BIOLOGY (MdBc)**

252 SMed, 135 University Drive, University of Minnesota Medical School Duluth, Duluth, MN, 55812-3011

218/726-7922, <http://www.d.umn.edu/medweb/biochem/>

**Medical School - Duluth Campus**

**3194-Biochemistry Undergraduate Research**  
(max crs 3; S-N only; prereq instr consent)  
63926-001 DRs, 12/22/12-08/31/13; Drewes, Lester R, 1-3 cr

**5202-Cellular and Molecular Biology**  
(A-F only; prereq Biol 2102 or Biol 5231 or Chem 4342 or instr consent)  
62058-001 LEC; Drewes, Lester R, 3 cr

**5501-Neurobiochemistry**  
(A-F only; prereq Chem 3322 or Chem 4351 or instr consent)  
63495-001 LEC; Schedule to be determined after initial class on January 19, 2010.; Drewes, Lester R, 2 cr

**8151-Biochemistry Seminar**  
(max crs 4; 4 repeats allowed; S-N only; prereq Biochem or Chem Graduate Student or instr consent)  
62307-001 SEM, 04:00pm-05:00pm Th, Med 130; Drewes, Lester R, 1 cr

**8294-Current Research Techniques**  
(max crs 4; 4 repeats allowed; S-N only; prereq Biochem or

# University of Minnesota – Class Schedule for Duluth Campus

# Spring 2013

Chem Graduate Student or instr consent)  
61389-001 DRS; Drewes, Lester R, 1-3 cr

## 8333-FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)  
60846-001 DRS; Drewes, Lester R, 1 cr

## 8444-FTE: Doctoral

(NGA; prereq Doctoral student, adviser and DGS consent)  
61670-001 DRS; Drewes, Lester R, 1 cr

## 8666-Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))  
61679-001 THE; Drewes, Lester R, 1-6 cr

## 8777-Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))  
61696-001 THE; Drewes, Lester R, 1-18 cr

## 8888-Thesis Credits: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
61706-001 THE; Drewes, Lester R, 1-24 cr

## BIOLOGY (Biol)

207 SSB, 1035 Kirby Drive, Swenson College of Science and Engineering, Duluth, MN, 55812-3011  
218/726-8811, <http://www.d.umn.edu/biology/>

## Swenson College of Science & Engineering

### 1001-Biology and Society

(A-F only; prereq For nonmajors; meets DLE req of Natural Sciences; meets DLE req of Sustainability; meets LE req of LE CAT4)

-001 LEC, 02:00pm-03:15pm TTh, Chem 200; Belk, Colleen M  
61131-002 LAB, 09:00am-10:50am T, LSci 354, 4 cr  
61132-003 LAB, 11:00am-12:50pm T, LSci 354, 4 cr  
61133-004 LAB, 03:30pm-05:20pm T, LSci 354, 4 cr  
61134-005 LAB, 08:00am-09:50am W, LSci 354, 4 cr  
61135-006 LAB, 01:00pm-02:50pm W, LSci 354, 4 cr  
61136-007 LAB, 03:00pm-04:50pm W, LSci 354, 4 cr  
61137-008 LAB, 09:00am-10:50am Th, LSci 354, 4 cr  
61138-009 LAB, 03:30pm-05:20pm Th, LSci 354, 4 cr  
63933-010 LAB, 09:00am-10:50am F, LSci 354, 4 cr  
63934-011 LAB, 11:00am-12:50pm F, LSci 354, 4 cr  
-050 LEC, instruction mode: Distance Education and On-Site; Belk, Colleen M  
64467-051 LAB, instruction mode: Distance Education and On-Site; Belk, Colleen M, 4 cr

### 1011-General Biology I

(A-F only; prereq 1 yr high school Chem or 1 sem college Chem, Math ACT 21 or higher or one semester of college math, SCSE student, or student in exercise science or athletic training or teaching life science or teaching earth and space science or teaching physical science or environment and sustainability or recreation-outdoor education or B.A. major in biology or chemistry or geological sciences.; meets DLE req of Natural Sciences; meets LE req of LE CAT4)

-001 LEC, 09:00am-09:50am MWF, Chem 200; Stevenson, Shannon Lea  
-002 DIS, 09:00am-09:50am Th, SSB 115  
62813-003 LAB, 08:00am-10:15am T, SSB 113, 5 cr  
-004 DIS, 11:00am-11:50am Th, SSB 115  
62815-005 LAB, 10:30am-12:45pm T, SSB 113, 5 cr  
-006 DIS, 01:00pm-01:50pm Th, SSB 115  
62817-007 LAB, 01:00pm-03:15pm T, SSB 113, 5 cr  
-008 DIS, 04:00pm-04:50pm Th, SSB 115  
62819-009 LAB, 03:30pm-05:45pm T, SSB 113, 5 cr  
-010 DIS, 06:00pm-06:50pm Th, SSB 115  
62821-011 LAB, 06:00pm-08:15pm T, SSB 113, 5 cr  
-012 DIS, 10:00am-10:50am F, SSB 115  
62823-013 LAB, 10:00am-12:15pm W, SSB 113, 5 cr  
-014 DIS, 12:00pm-12:50pm F, SSB 115  
62825-015 LAB, 12:30pm-02:45pm W, SSB 113, 5 cr  
-016 DIS, 06:00pm-06:50pm M, SSB 115  
62827-017 LAB, 06:00pm-08:15pm W, SSB 113, 5 cr  
-018 DIS, 09:00am-09:50am T, SSB 115  
62829-019 LAB, 08:00am-10:15am Th, SSB 113, 5 cr  
-020 DIS, 12:00pm-12:50pm T, SSB 115  
62823-021 LAB, 10:30am-12:45pm Th, SSB 113, 5 cr  
-022 DIS, 01:00pm-01:50pm T, SSB 115  
62833-023 LAB, 01:00pm-03:15pm Th, SSB 113, 5 cr  
-024 DIS, 02:00pm-02:50pm T, SSB 115  
62835-025 LAB, 03:30pm-05:45pm Th, SSB 113, 5 cr  
-026 DIS, 03:00pm-03:50pm M, SSB 115  
62837-027 LAB, 03:00pm-05:15pm W, SSB 113, 5 cr

### 1012-General Biology II

(A-F only; prereq 1011; meets DLE req of Sustainability)  
-001 LEC, 11:00am-11:50am MWF, Chem 200; Shannon, Lyle John; Bates, Paul W  
-002 DIS, 10:00am-10:50am Th, SSB 115  
62841-003 LAB, 09:00am-11:15am T, SSB 109, 5 cr  
-004 DIS, 12:00pm-12:50pm Th, SSB 115  
62843-005 LAB, 12:00pm-02:15pm T, SSB 109, 5 cr  
-006 DIS, 03:00pm-03:50pm Th, SSB 115  
62845-007 LAB, 02:30pm-04:45pm T, SSB 109, 5 cr  
-008 DIS, 05:00pm-05:50pm Th, SSB 115  
62847-009 LAB, 06:00pm-08:15pm T, SSB 109, 5 cr  
-010 DIS, 09:00am-09:50am F, SSB 115  
62849-011 LAB, 08:30am-10:45am W, SSB 109, 5 cr  
-012 DIS, 01:00pm-01:50pm F, SSB 115  
62851-013 LAB, 12:30pm-02:45pm W, SSB 109, 5 cr  
-014 DIS, 05:00pm-05:50pm M, SSB 115  
62853-015 LAB, 06:00pm-08:15pm W, SSB 109, 5 cr  
-016 DIS, 10:00am-10:50am T, SSB 115  
62855-017 LAB, 08:00am-10:15am Th, SSB 109, 5 cr  
-018 DIS, 11:00am-11:50am T, SSB 115  
62857-019 LAB, 10:30am-12:45pm Th, SSB 109, 5 cr  
-020 DIS, 03:00pm-03:50pm T, SSB 115  
62859-021 LAB, 01:00pm-03:15pm Th, SSB 109, 5 cr  
-022 DIS, 05:00pm-05:50pm T, SSB 115  
62861-023 LAB, 03:30pm-05:45pm Th, SSB 109, 5 cr  
-024 DIS, 05:00pm-05:50pm W, SSB 115  
62863-025 LAB, 06:00pm-08:15pm Th, SSB 109, 5 cr  
-026 DIS, 02:00pm-02:50pm W, SSB 115  
62865-027 LAB, 01:00pm-03:15pm M, SSB 109, 5 cr

### 2101-Cell Biology

(A-F only; prereq 1011, 1012, ((Chem 1152 or Chem 1162 or (Chem 1155 and 1156)), (Chem 2521 or Chem 2541), (2102 can be taken concurrently or in a later semester))  
61140-001 LEC, 02:00pm-02:50pm MWF, Chem 200; Carter, Clay J, 3 cr

### 2102-Cell Biology Laboratory

(A-F only; prereq 1011, 1012, (2101 or Concurrent registration is required (or allowed) in 2101), (Chem 2521 or Chem 2541) or instr consent)  
62115-001 LAB, 09:00am-12:50pm T, SSB 103; Stevenson, Shannon Lea, 2 cr  
62116-002 LAB, 01:00pm-04:50pm T, SSB 103, 2 cr  
62179-003 LAB, 05:00pm-08:50pm T, SSB 103, 2 cr

### 2201-Genetics

(A-F only; prereq 1012)  
62388-001 LEC, 09:00am-09:50am MWF, LSci 185; Gross, Briana L, 3 cr

### 2202-Genetics Laboratory

(A-F; prereq 1011, 2201 (concurrent registration is allowed for 2201))  
62701-001 LAB, 12:00pm-03:50pm M, SSB 105; Liang, Jennifer O., 2 cr  
62702-002 LAB, 05:00pm-08:50pm M, SSB 105, 2 cr  
63083-003 LAB, 08:00am-11:50am T, SSB 105, 2 cr

### 2512-Biology of HIV and AIDS

(A-F only; prereq 1012)  
66503-001 LEC, 08:00am-08:50am MWF, SSB 115; Dahl, John L, 3 cr

### 2801-General Ecology

(A-F only; prereq 1012 or instr consent)  
61760-001 LEC, 02:00pm-03:15pm TTh, LSci 185; Branstrator, Donn K, 3 cr

### 3603-Plant Taxonomy

(A-F only; prereq 1012)  
-001 LEC, 12:00pm-12:50pm MW, LSci 340; Schimpf, David J  
61625-002 LAB, 01:00pm-02:50pm M, LSci 340; Schimpf, David J, 3 cr

### 3701-Animal Diversity

(A-F only; prereq 1012)  
-001 LEC, 01:00pm-01:50pm TTh, LSci 175; Shannon, Lyle John  
61448-002 LAB, 10:00am-11:50am MW, LSci 326; Shannon, Lyle John, 4 cr  
61449-003 LAB, 01:00pm-02:50pm MW, LSci 326, 4 cr  
61450-004 LAB, 03:00pm-04:50pm MW, LSci 326; Shannon, Lyle John, 4 cr  
63087-005 LAB, 08:00am-09:50am TTh, LSci 326, 4 cr  
63088-006 LAB, 10:00am-11:50am TTh, LSci 326, 4 cr

### 3835-Freshwater Ecology

(A-F only; prereq 2801 or concurrent)  
64529-001 LEC, 11:00am-11:50am MWF, KP13 312; Guilford, Stephanie J, 3 cr

### 3987-Biology Seminar

(A-F; prereq Min 90 cr, Biol or Cell Concurrent registration is required (or allowed) in Molecular Biol major; credit will not be granted if already received for 3997 AND 3998)  
63193-001 SEM, 02:00pm-02:50pm MW, SSB 202; Class also meets 3:00-4:15 P.M. on Fridays for required

Biology Seminar in LSci 185. Permission # required for registration.; , 1 cr  
63194-002 SEM, 09:00am-09:50am MW, SSB 202; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185. Permission # required for registration.; , 1 cr  
63195-003 SEM, 10:00am-10:50am TTh, SSB 202; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185. Permission # required for registration.; , 1 cr  
63196-004 SEM, 03:00pm-03:50pm MW, SSB 202; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185. Permission # required for registration.; , 1 cr  
63197-005 SEM, 11:00am-11:50am TTh, SSB 202; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185. Permission # required for registration.; , 1 cr  
63198-006 SEM, 08:00am-08:50am WF, SSB 202; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185. Permission # required for registration.; , 1 cr

### 3993-Laboratory Teaching Experience

(max crs 2; S-N only; prereq instr consent , biol or cell biol major, 90 cr incl 25 cr Biol; max 2 cr may be applied toward Biol major)  
61139-001 LAB; Completion of Form 3993 required to register for course., 1-2 cr

### 3994-Undergraduate Research

(max crs 6; 6 repeats allowed; S-N only; prereq 1012, 60 cr, instr consent ; max 4 cr may be applied to biol or cell biol major or biol minor as upper div elective)  
61142-001 DRS; Completion of Form 3994 required to register for course., 1-3 cr

### 3996-Internship in Biology

(max crs 2; S-N only; prereq 1012, instr consent ; max 1 cr may be applied to biol or cell biol major)  
61141-001 IEX; Completion of Form 3996 required to register for course., 1-2 cr

### 4231-Molecular Biology

(A-F; prereq 2101, 2201, (CHEM 3322 or 4351) or instr consent , or IBS Grad student; credit will not be granted if already received for 5231)  
61143-001 LEC, 09:30am-10:45am TTh, LSci 175; Andrews, Matthew T., 3 cr

### 4361-Developmental Biology

(A-F only; prereq 2101, 2201 or instr consent , or Biol or IBS Grad student; credit will not be granted if already received for 5361)  
-001 LEC, 08:00am-08:50am TTh, LSci 185; Liang, Jennifer O.  
63092-002 LAB, 10:00am-12:50pm Th, SSB 105; Liang, Jennifer O., 3 cr  
63093-003 LAB, 10:00am-12:50pm W, SSB 105, 3 cr  
63094-004 LAB, 03:00pm-05:50pm W, SSB 105, 3 cr

### 4501-General Microbiology

(A-F only; prereq 2101 or instr consent , or Biol or IBS Grad student)  
-001 LEC, 11:00am-11:50am MW, LSci 175; Hicks, Randall E  
62874-002 LAB, 08:00am-09:50am TTh, SSB 208, 4 cr  
62875-003 LAB, 12:00pm-01:50pm TTh, SSB 208, 4 cr  
62876-004 LAB, 02:00pm-03:50pm TTh, SSB 208; Hicks, Randall E, 4 cr  
63352-005 LAB, 04:00pm-05:50pm TTh, SSB 208, 4 cr  
63353-006 LAB, 06:00pm-07:50pm TTh, SSB 208, 4 cr

### 4604-Plant Physiology

(A-F only; prereq 2201 and 1 year college chemistry)  
-001 LEC, 09:00am-09:50am MWF, HH 216; Bates, Paul W  
67920-002 LAB, 09:00am-11:50am T, LSci 306, 4 cr  
67921-003 LAB, 01:00pm-03:50pm T, LSci 306, 4 cr

### 4761-Ichthyology

(A-F only; prereq 2801 or instr consent , or Biol or IBS Grad student)  
-001 LEC, 09:00am-09:50am MW, SSB 115; Hrabik, Thomas R  
61788-002 LAB, 10:00am-11:30am MW, LSci 328; Hrabik, Thomas R, 3 cr

### 4802-Evolution

(A-F only; prereq 1012, 2201 or instr consent , or Biol or IBS Grad student; credit will not be granted if already received for 4801; meets DLE req of Sustainability)  
61713-001 LEC, 02:00pm-02:50pm TTh, LSci 175; Etterson, Julie R., 3 cr

### 4891-Animal Behavior

(A-F only; prereq 1012, 2801 or instr consent , or Biol or IBS Grad student)  
62885-001 LEC, 08:00am-08:50am TTh, MWAH 191; Pastor, John Joseph, 2 cr

### 4992-Senior Seminar: Classic Readings in Natural History

(S-N only; prereq Seniors who have declared a natural history minor, no Grad School cr)

This information is accurate as of: 11/02/2012

63420-001 DRD, 12:00pm-12:50pm T, Chem 251; Mooers, Howard D; Pastor, John Joseph, 1 cr

**5001-Teaching and Learning in the Life Sciences**

(S-N; prereq grad student or prior teaching experience; instr consent)  
64566-001 SEM, 11:00am-01:00pm Th, SSB 207A, 01/17/13-05/10/13; Class will meet every other Thursday beginning January 17, 2013.; Smith, Shelley L; Bates, Paul W, 1 cr

**5232-Molecular Biology Laboratory**

(A-F; prereq 4231 or Concurrent registration is required (or allowed) in 4231 or instr consent , or Biol or Biochemistry and Molecular Biology or IBS Grad student; credit will not be granted if already received for 4232)  
62244-001 LAB, 09:00am-12:50pm W, SSB 212; Dahl, John L, 2 cr  
62245-002 LAB, 05:00pm-08:50pm W, SSB 212, 2 cr  
62309-003 LAB, 08:00am-11:50am Th, SSB 212, 2 cr  
62872-004 LAB, 12:00pm-03:50pm Th, SSB 212, 2 cr  
63048-005 LAB, 04:30pm-08:20pm Th, SSB 212, 2 cr

**5772-Mechanisms of Neural Behavior**

(A-F only; prereq 1012, 3703 or IBS Grad student)  
62557-001 LEC, 02:00pm-03:15pm TTh, MWAH 191; Mensinger, Allen, 3 cr

**5777-Plankton Biology**

(A-F only; prereq 2801, 2802 or IBS Grad student)  
62558-001 LEC, 09:00am-10:50am T, SSB 207A; Branstrator, Donn K, 2 cr

**5865-Conservation Biology**

(A-F only; prereq 2801 or Biol or IBS Grad student)  
62559-001 LEC, 08:00am-08:50am TTh, Chem 155; Moen, Ron, 2 cr

**5868-Ecotoxicology**

(A-F only; prereq 2101, 2801, college-level statistics course or instr consent , or IBS Grad student)  
66505-001 LEC, 11:00am-11:50am MWF, SSB 115; Schoff, Patrick K, 3 cr

**5869-Great Lakes Ecology and Management**

(A-F only; prereq 5861 or Biol or IBS grad student)  
64425-001 LEC, 06:00pm-08:50pm W, SSB 202; Hecky, Robert E, 3 cr

**8993-Graduate Seminar**

(max crs 10; 10 repeats allowed; S-N only; prereq Grad student in biol or related field)  
62924-001 SEM; TOPIC: Speciation; Strasburg, Jared L, 1 cr

**BUSINESS LAW (BLaw)**

360A LSBE, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812-3011

218/726-7966, <http://www.d.umn.edu/lbse/accounting.php>

**Labovitz School of Business & Economics**

**2001-The Legal Environment**

(A-F; prereq Min 30 cr.; meets DLE req of Humanities; meets LE req of LE CAT8)  
62379-001 LEC, 08:00am-08:50am MWF, LSBE 118; , 3 cr  
62380-002 LEC, 08:00am-09:15am TTh, LSBE 118; , 3 cr  
61997-003 LEC, 03:30pm-04:45pm TTh, LSBE 118; , 3 cr

**3001-Law and Ethics for Financial Professionals**

(Credit will not be granted if credit has been received for: BLAW 3101; A-F; prereq LSBE cand or dept consent)  
62062-001 LEC, 04:00pm-05:15pm MW, LSBE 229; , 3 cr

**3301-Estate Planning Concepts and Strategies**

(A-F only; prereq Acct 3401, LSBE cand or college consent)  
64018-001 LEC, 12:30pm-01:45pm TTh, LSBE 265; Roline, Alan C, 3 cr

**CHEMICAL ENGINEERING (ChE)**

176 Engr, 1303 Ordean Court, Swenson College of Science & Engineering, Duluth, MN, 55812-3011

218/726-7126, <http://www.d.umn.edu/che>

**Swenson College of Science & Engineering**

**1011-Introduction to Chemical Engineering.**

(A-F only; prereq Chem 1151 or 1161 or pre or coreq Chem 1153 and 1154 or higher and Math 1296 or higher.; meets LE req of LE CAT5)  
61608-001 LEC, 09:00am-09:50am MWF, Engr 118; Horabik, Carol, 3 cr

**2011-Design of Engineering Experiments**

(A-F only; prereq Math 1297 and (prereq or coreq 2111))  
62069-001 LEC, 12:00pm-12:50pm MW, Engr 177, 12:00pm-12:50pm F, Engr 204; Class will meet in designated computer lab on Fridays only. Meet in regular assigned classroom on Mondays and Wednesdays.; Horabik, Carol, 3 cr

**2111-Material and Energy Balances**

(prereq Chem 1151 or 1161 or 1153 and 1154, Math

1296 or 1596 minimum grade of C)  
61729-001 LEC, 09:30am-10:45am TTh, Engr 177; Sternberg, Steven PK, 3 cr

**2121-Chemical Engineering Thermodynamics**

(A-F only; prereq 2111, (prereq or coreq Math 3280))  
61362-001 LEC, 11:00am-11:50am MWF, Engr 177; Lodge, Keith B, 3 cr

**3031-Computational Methods in Chemical Engineering**

(A-F only; prereq 2111, Math 3280, (prereq or coreq CS 1121))  
62988-001 LAB, 02:00pm-03:15pm TTh, Engr 204; Davis, Richard A, 3 cr  
63558-002 LAB, 03:30pm-04:45pm TTh, Engr 204; Davis, Richard A, 3 cr

**3111-Fluid Mechanics**

(A-F only; prereq BSChE cand, Phys 2011 or 2013 and 2014, Math 3280, (prereq or coreq 2111) or instr consent ; credit will not be granted if already received for ME 3111 or CE 3221.)  
62722-001 LEC, 02:00pm-02:50pm MWF, Engr 280; Rother, Michael Anthony, 3 cr

**3112-Heat and Mass Transfer**

(Credit will not be granted if credit has been received for: ME 4112; A-F only; prereq BSChE cand, 3111, (prereq or coreq 2121) or instr consent)  
60867-001 LEC, 08:00am-09:15am TTh, Engr 118; Sander, Guy William, 3 cr

**3231-Properties of Engineering Materials**

(A-F only; prereq BSChE cand, 2121, Chem 1152 or 1162)  
60890-001 LEC, 09:00am-09:50am MWF, Engr 177; Sternberg, Steven PK, 3 cr

**3791-Independent Study**

(max crs 3; 3 repeats allowed; prereq BSChE cand, dept consent)  
63561-001 IND; Rother, Michael Anthony, 1-3 cr  
63654-002 IND; Lodge, Keith B, 1-3 cr  
63655-003 IND; Davis, Richard A, 1-3 cr  
63656-004 IND; Sternberg, Steven PK, 1-3 cr  
63657-005 IND; Hasan, A. Rashid, 1-3 cr

**3894-Chemical Engineering Research**

(max crs 6; 6 repeats allowed; prereq BSChE cand, max 6 cr in 3994)  
60892-001 LAB; Sternberg, Steven PK, 1-3 cr  
63667-002 LAB; Davis, Richard A, 1-3 cr  
63668-003 LAB; Rother, Michael Anthony, 1-3 cr  
63669-004 LAB, 1-3 cr  
63670-005 LAB; Hasan, A. Rashid, 1-3 cr

**3951-Cooperative Education**

(max crs 20; 20 repeats allowed; prereq BSChE cand, dept consent)  
60902-001 IEX; Davis, Richard A, 1-6 cr

**4211-Chemical Engineering Laboratory II**

(A-F only; prereq BSChE cand, 3211, 4111, 4301, and (pre-req or coreq 4402), instr consent , no Grad School cr)  
62128-001 LAB, 12:00pm-05:00pm T, Engr 163, 12:00pm-12:50pm T, Engr 204; Horabik, Carol, 3 cr  
63140-002 LAB, 12:00pm-05:00pm Th, Engr 163, 12:00pm-12:50pm Th, Engr 204; Horabik, Carol, 3 cr  
64021-003 LAB, 09:30am-12:00pm TTh, Engr 163; Sander, Guy William, 3 cr

**4402-Process Dynamics and Control**

(Credit will not be granted if credit has been received for: CHE 4401; A-F only; prereq BSChE cand, 3031 (prereq or coreq 2121, 3112), Phys 2012 or 2015 and 2016, instr consent , no Grad School cr)  
-001 LEC, 02:00pm-02:50pm MW, Engr 177; Lodge, Keith B 67426-002 LAB, 10:00am-11:50am T, Engr 114, 3 cr  
67427-003 LAB, 10:00am-11:50am Th, Engr 114, 3 cr  
67428-004 LAB, 02:00pm-03:50pm Th, Engr 114, 3 cr

**4502-Chemical Engineering Design II**

(A-F only; prereq BSChE cand, 4501, (prereq or coreq 3231, 4402); no Grad School cr)  
62940-001 LEC, 03:00pm-04:50pm MWF, VKH 221; Rother, Michael Anthony, 4 cr

**4601-Biochemical Engineering**

(A-F only; prereq 2111; credit will not be granted if already received for 5601)  
62726-001 LEC, 12:00pm-12:50pm MWF, EduE 36; Meets in 204EB on Fridays, 3 cr

**4603-Biorenewable Resources**

(A-F only; prereq 2111 or instr consent ; no grad credit; meets DLE req of Sustainability)  
63879-001 LEC, 01:00pm-01:50pm MWF, Engr 118; Sander, Guy William, 3 cr

**5250-Advanced Process Control**

(A-F only; prereq 4402 or instr consent)  
63887-001 DST, 06:00pm-08:40pm T, KPlz 173; Request a

permission number from mbenda@d.umn.edu.; Benda, Moe, 3 cr  
63888-831 DST, 06:00pm-08:40pm T, . TBA, OFFCMPUMD; VIRGINIA-Mesabi Range Registrations Only. Room C176. Request a permission number from mbenda@d.umn.edu.; Benda, Moe, 3 cr  
63889-832 DST, 06:00pm-08:40pm T, . TBA, OFFCMPUMD; HIBBING Community College Registrations Only. Room B205. Request a permission number from mbenda@d.umn.edu.; Benda, Moe, 3 cr  
63890-833 DST, 06:00pm-08:40pm T, . TBA, OFFCMPUMD; GRAND RAPIDS-Itasca Community College Registrations Only. Room T132. Request a permission number from mbenda@d.umn.edu.; Benda, Moe, 3 cr

**5612-Hazardous Waste Process Engineering**

(A-F only; prereq Grad student or BSChE candidate with ChE 2111, 3112 and 4111)  
64579-001 DST, 06:00pm-08:40pm Th, . TBA, 3 cr  
64580-831 DST, 06:00pm-08:40pm Th, . TBA, OFFCMPUMD; Virginia-Mesabi Range Registrations Only. Room C176. Request a permission number from mbenda@d.umn.edu., 3 cr  
64581-832 DST, 06:00pm-08:40pm Th, . TBA, OFFCMPUMD; Hibbing Community College Registrations Only. Room B205. Request a permission number from mbenda@d.umn.edu., 3 cr  
64582-833 DST, 06:00pm-08:40pm Th, . TBA, OFFCMPUMD; Grand Rapids-Itasca Community College Registrations Only. Room T132. Request a permission number from mbenda@d.umn.edu., 3 cr

**CHEMISTRY (Chem)**

246 Chem, 1039 University Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3011

218/726-7212, <http://www.d.umn.edu/chem>

**Swenson College of Science & Engineering**

**1103-Aspects of Chemistry**

(A-F only; prereq Credit will not be granted if already received for 1102, 1113, 1151, 1153 or 1161.; meets DLE req of Natural Sciences; meets DLE req of Sustainability; meets LE req of LE CAT4; meets LE req of LE CAT5)  
63707-001 LEC, 02:00pm-02:50pm MWF, Chem 155; Bladholm, Erika, 3 cr

**1104-Aspects of Chemistry Lab**

(A-F only; prereq Must be taken either after or concurrently with CHEM 1103; credit will not be granted if already received for 1102 (4-credit option), 1113, 1151, 1154 or 1161.; meets DLE req of Natural Sciences; meets LE req of LE CAT4)  
63709-002 LAB, 03:00pm-04:50pm W, Chem 301; Bladholm, Erika, 1 cr  
63710-003 LAB, 02:00pm-03:50pm Th, Chem 301; Bladholm, Erika, 1 cr

**1105-From the Industrial Revolution to Green Chemistry**

(meets DLE req of Sustainability; meets LE req of LE CAT5)  
67537-001 LEC, 09:00am-09:50am MWF, Chem 251; Lakhan, Romesh Krishna, 3 cr

**1114-Introduction to General, Organic, and Biological Chemistry II**

(A-F only; prereq 1113)  
-001 LEC, 01:00pm-01:50pm MTWF, Chem 150; Lakhan, Romesh Krishna  
61093-004 LAB, 02:00pm-03:50pm Th, Chem 316, 5 cr

**1153-General Chemistry I**

(A-F only; prereq One year high school chem, high school algebra, Math ACT 21 or higher or a grade of least C- in Math 1005, SCSE, exercise science, athletic training, teaching life science, teaching earth and space science, teaching physical science or B.A. major in environment and sustainability, biology, chemistry or geological sciences student. Credit will not be granted if already received for 1151 and 1161.; meets DLE req of Natural Sciences; meets LE req of LE CAT5)  
-001 LEC, 01:00pm-01:50pm MWThF, Chem 200; Gute, Brian D  
64129-003 DIS, 08:00am-08:50am T, Chem 251, 4 cr  
64130-005 DIS, 08:00am-08:50am T, Chem 150, 4 cr  
64131-007 DIS, 09:00am-09:50am T, Chem 251, 4 cr  
64132-009 DIS, 09:00am-09:50am T, Chem 150, 4 cr  
64133-011 DIS, 10:00am-10:50am T, Chem 251, 4 cr  
64134-013 DIS, 10:00am-10:50am T, MWAH 195, 4 cr  
-031 LEC, 08:00am-08:50am MWThF, BohH 90; Swanson, Kate  
64136-033 DIS, 08:00am-08:50am T, SpHC 207, 4 cr  
64137-035 DIS, 09:00am-09:50am T, EduE 50, 4 cr  
64138-037 DIS, 10:00am-10:50am T, BohH 112, 4 cr  
64139-039 DIS, 11:00am-11:50am T, Chem 155; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education, 4 cr  
66854-041 DIS, 12:00pm-12:50pm T, Chem 150; Swanson,



Kate, 4 cr 66855-043 DIS, 01:00pm-01:50pm T, Chem 200; Swanson, Kate, 4 cr	Carla, 1 cr 64193-040 LAB, 11:00am-01:50pm Th, SSB 145; Ahrenstorff, Carla, 1 cr 64194-042 LAB, 02:00pm-04:50pm Th, SSB 133; Ahrenstorff, Carla, 1 cr 64195-044 LAB, 02:00pm-04:50pm Th, SSB 143; Ahrenstorff, Carla, 1 cr 64196-046 LAB, 02:00pm-04:50pm Th, SSB 145; Ahrenstorff, Carla, 1 cr 66886-048 LAB, 09:00am-11:50am F, SSB 143; Ahrenstorff, Carla, 1 cr 64197-088 LAB; Reserved for students repeating Chem 1152 General Chemistry II (lecture/lab combo) WHO HAVE PASSED THE LAB SEGMENT.; Ahrenstorff, Carla, 1 cr	Peter, 1 cr 62967-004 LAB, 12:00pm-12:50pm T, SSB 228; Grundt, Peter, 1 cr 62968-005 LAB, 03:00pm-04:50pm T, SSB 226; Grundt, Peter, 1 cr 62969-006 LAB, 03:00pm-04:50pm T, SSB 228; Grundt, Peter, 1 cr 62970-007 LAB, 03:00pm-04:50pm W, SSB 228; Grundt, Peter, 1 cr 62971-008 LAB, 09:00am-10:50am Th, SSB 226; Grundt, Peter, 1 cr 62972-009 LAB, 09:00am-10:50am Th, SSB 228; Grundt, Peter, 1 cr 62973-010 LAB, 09:00am-10:50am Th, SSB 232; Grundt, Peter, 1 cr 63344-011 LAB, 12:00pm-01:50pm Th, SSB 228; Grundt, Peter, 1 cr 63705-012 LAB, 03:00pm-04:50pm Th, SSB 226; Grundt, Peter, 1 cr
<b>1154-General Chemistry Lab I</b> (A-F only; prereq Previous of concurrent enrollment in CHEM 1153; credit will not be granted if already received for CHEM 1151 or 1161; meets DLE req of Natural Sciences; meets LE req of LE CAT4) 64143-006 LAB, 02:00pm-04:50pm M, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64144-008 LAB, 02:00pm-04:50pm M, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64145-010 LAB, 08:00am-10:50am T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64146-012 LAB, 08:00am-10:50am T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64147-014 LAB, 11:00am-01:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64148-016 LAB, 11:00am-01:50pm T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64149-018 LAB, 02:00pm-04:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64150-020 LAB, 02:00pm-04:50pm T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64151-022 LAB, 09:00am-11:50am W, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64152-024 LAB, 09:00am-11:50am W, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64153-026 LAB, 02:00pm-04:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64154-028 LAB, 02:00pm-04:50pm W, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64155-030 LAB, 09:00am-11:50am Th, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64156-032 LAB, 09:00am-11:50am Th, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64157-034 LAB, 02:00pm-04:50pm Th, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64158-036 LAB, 02:00pm-04:50pm Th, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 66885-040 LAB, 09:00am-11:50am F, SSB 131; Lakhan, Romesh Krishna; Ahrenstorff, Carla, 1 cr 64160-088 LAB; Reserved for students repeating Chem 1151 General Chemistry I (lecture/lab combo) WHO HAVE PASSED THE LAB SEGMENT.; Lakhan, Romesh Krishna; Ahrenstorff, Carla, 1 cr	<b>1162-Honors: General Chemistry II</b> (Credit will not be granted if credit has been received for: CHEM 2172; A-F only; prereq 1151 or 1153 and 1154 or 1161; credit will not be granted if already received for 1152, 1155 or 2172; meets HON req of Honors) -001 LEC, 10:00am-10:50am MTWF, Chem 150; Gute, Brian D -002 DIS, 12:00pm-12:50pm T, SSB 143 61225-003 LAB, 02:00pm-04:50pm M, SSB 133, 5 cr -004 DIS, 01:00pm-01:50pm T, SSB 133 61227-005 LAB, 02:00pm-04:50pm T, SSB 133, 5 cr -006 DIS, 12:00pm-12:50pm T, SSB 133 61229-007 LAB, 02:00pm-04:50pm W, SSB 133, 5 cr -008 DIS, 01:00pm-01:50pm T, SSB 143 61815-009 LAB, 11:00am-01:50pm Th, SSB 133, 5 cr	<b>2545-Organic Chemistry II Laboratory for B.S. Chemistry Majors</b> (A-F only; prereq 2521 or (2541 and 2543). Concurrent registration is required (or allowed) in 2542; credit will not be granted if already received for 2532) 62974-001 LAB, 03:00pm-04:50pm MW, SSB 232; Carlson, Robert M, 2 cr 62975-002 LAB, 12:00pm-01:50pm TTh, SSB 232; Carlson, Robert M, 2 cr 63123-003 LAB, 03:00pm-04:50pm TTh, SSB 232; Carlson, Robert M, 2 cr
<b>1191-Independent Study</b> (max crs 4; 4 repeats allowed; A-F only; prereq dept consent) 61286-001 IND, 1-2 cr	<b>2222-Quantitative Analysis</b> (A-F only; prereq 1152 or 1162 or 1155 and 1156. Concurrent registration is required (or allowed) in 2223; credit will not be granted if already received for 2212 or 2242) 61233-001 LEC, 12:00pm-12:50pm MWF, Chem 150; Swanson, Kate, 3 cr	<b>3097-Internship in Chemistry</b> (max crs 2; S-N; prereq 2521 or 2541 or 2223, chem or biochem/molecular biol majors and dept consent) 63056-001 IEX, 1-2 cr
<b>1155-General Chemistry II</b> (A-F only; prereq 1151 or 1153 or 1161; credit will not be granted if already received for 1152 or 1162) -001 LEC, 08:00am-08:50am MTWF, Chem 200; Kiprof, Paul 64162-003 DIS, 08:00am-08:50am Th, Chem 251, 4 cr 64163-005 DIS, 09:00am-09:50am Th, Chem 150, 4 cr 64164-007 DIS, 10:00am-10:50am Th, Chem 150, 4 cr 64165-009 DIS, 11:00am-11:50am Th, Chem 155, 4 cr 64166-011 DIS, 12:00pm-12:50pm Th, Chem 251, 4 cr 64167-013 DIS, 01:00pm-01:50pm Th, Chem 155, 4 cr -031 LEC, 12:00pm-12:50pm MTWF, LSci 175 64169-033 DIS, 08:00am-08:50am Th, Chem 150, 4 cr 64170-035 DIS, 09:00am-09:50am Th, Chem 251, 4 cr 64171-037 DIS, 10:00am-10:50am Th, MonH 208, 4 cr 64172-039 DIS, 11:00am-11:50am Th, BohH 108, 4 cr 64173-041 DIS, 12:00pm-12:50pm Th, Chem 150, 4 cr 66880-043 DIS, 01:00pm-01:50pm Th, Chem 150; Ahrenstorff, Carla, 4 cr	<b>2223-Quantitative Analysis Laboratory</b> (A-F only; prereq 1152 or 1162 or 1155 and 1156. Concurrent registration is required (or allowed) in 2222; credit will not be granted if already received for 2212 or 2242) 62548-001 LAB, 02:00pm-04:50pm M, Chem 232; Swanson, Kate, 1 cr 61816-002 LAB, 09:00am-11:50am T, Chem 232; Swanson, Kate, 1 cr 61817-003 LAB, 02:00pm-04:50pm T, Chem 232; Swanson, Kate, 1 cr 61818-004 LAB, 02:00pm-04:50pm W, Chem 232; Swanson, Kate, 1 cr 61819-005 LAB, 09:00am-11:50am Th, Chem 232; Swanson, Kate, 1 cr 62549-006 LAB, 02:00pm-04:50pm Th, Chem 232; Swanson, Kate, 1 cr	<b>3194-Chemistry Undergraduate Research</b> (max crs 30; 10 repeats allowed; S-N only; prereq dept consent) 63964-001 DRS, 1-3 cr
<b>1156-General Chemistry Lab II</b> (A-F only; prereq 1151 or 1161 or 1154, concurrent or previous enrollment in CHEM 1155; credit will not be granted if already received for Chem 1152 or 1162) 64177-008 LAB, 02:00pm-04:50pm M, SSB 143; Ahrenstorff, Carla, 1 cr 64178-010 LAB, 02:00pm-04:50pm M, SSB 145; Ahrenstorff, Carla, 1 cr 64179-012 LAB, 09:00am-11:50am T, SSB 133; Ahrenstorff, Carla, 1 cr 64180-014 LAB, 09:00am-11:50am T, SSB 143; Ahrenstorff, Carla, 1 cr 64181-016 LAB, 09:00am-11:50am T, SSB 145; Ahrenstorff, Carla, 1 cr 64182-018 LAB, 02:00pm-04:50pm T, SSB 143; Ahrenstorff, Carla, 1 cr 64183-020 LAB, 02:00pm-04:50pm T, SSB 145; Ahrenstorff, Carla, 1 cr 64184-022 LAB, 09:00am-11:50am W, SSB 133; Ahrenstorff, Carla, 1 cr 64185-024 LAB, 09:00am-11:50am W, SSB 143; Ahrenstorff, Carla, 1 cr 64186-026 LAB, 09:00am-11:50am W, SSB 145; Ahrenstorff, Carla, 1 cr 64187-028 LAB, 02:00pm-04:50pm W, SSB 143; Ahrenstorff, Carla, 1 cr 64188-030 LAB, 02:00pm-04:50pm W, SSB 145; Ahrenstorff, Carla, 1 cr 64192-038 LAB, 11:00am-01:50pm Th, SSB 143; Ahrenstorff,	<b>2541-Organic Chemistry I</b> (A-F only; prereq 1152 or 1162 or 1155 and 1156. Concurrent registration is required (or allowed) in 2543; credit will not be granted if already received for 2521, CHE 3231, ENGR 2110) 62958-001 LEC, 11:00am-11:50am MWF, Chem 150; Zhdankin, Viktor, 3 cr	<b>3322-Biochemistry</b> (A-F only; prereq 2522 or 2532 or 2542. Concurrent registration is required (or allowed) in 3324) 61235-001 LEC, 12:00pm-12:50pm MWF, Chem 200; Berry, Steven Mark, 3 cr
<b>1154-General Chemistry Lab I</b> (A-F only; prereq Previous of concurrent enrollment in CHEM 1153; credit will not be granted if already received for CHEM 1151 or 1161; meets DLE req of Natural Sciences; meets LE req of LE CAT4) 64143-006 LAB, 02:00pm-04:50pm M, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64144-008 LAB, 02:00pm-04:50pm M, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64145-010 LAB, 08:00am-10:50am T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64146-012 LAB, 08:00am-10:50am T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64147-014 LAB, 11:00am-01:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64148-016 LAB, 11:00am-01:50pm T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64149-018 LAB, 02:00pm-04:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64150-020 LAB, 02:00pm-04:50pm T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64151-022 LAB, 09:00am-11:50am W, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64152-024 LAB, 09:00am-11:50am W, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64153-026 LAB, 02:00pm-04:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64154-028 LAB, 02:00pm-04:50pm W, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64155-030 LAB, 09:00am-11:50am Th, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64156-032 LAB, 09:00am-11:50am Th, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64157-034 LAB, 02:00pm-04:50pm Th, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64158-036 LAB, 02:00pm-04:50pm Th, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 66885-040 LAB, 09:00am-11:50am F, SSB 131; Lakhan, Romesh Krishna; Ahrenstorff, Carla, 1 cr 64160-088 LAB; Reserved for students repeating Chem 1151 General Chemistry I (lecture/lab combo) WHO HAVE PASSED THE LAB SEGMENT.; Lakhan, Romesh Krishna; Ahrenstorff, Carla, 1 cr	<b>2542-Organic Chemistry II</b> (A-F only; prereq 2521 or 2541. Concurrent registration is required (or allowed) in 2544 or Concurrent registration is required (or allowed) in 2545; credit will not be granted if already received for 2522, 2532) 62963-001 LEC, 10:00am-10:50am MWF, Chem 200; Grundt, Peter, 3 cr	<b>3323-Biochemistry Laboratory</b> (A-F only; prereq 2522 or 2532 or 2542. Concurrent registration is required (or allowed) in 3322) 61610-002 LAB, 09:00am-11:50am T, SSB 244; Bladholm, Erika, 1 cr 61611-003 LAB, 02:00pm-04:50pm T, SSB 244; Bladholm, Erika, 1 cr 61612-004 LAB, 09:00am-11:50am W, SSB 244; Bladholm, Erika, 1 cr 63057-005 LAB, 02:00pm-04:50pm W, SSB 244; Bladholm, Erika, 1 cr 63706-006 LAB, 09:00am-11:50am Th, SSB 244; Bladholm, Erika, 1 cr 63932-007 LAB, 02:00pm-04:50pm Th, SSB 244; Bladholm, Erika, 1 cr
<b>1156-General Chemistry Lab II</b> (A-F only; prereq 1151 or 1161 or 1154, concurrent or previous enrollment in CHEM 1155; credit will not be granted if already received for Chem 1152 or 1162) 64177-008 LAB, 02:00pm-04:50pm M, SSB 143; Ahrenstorff, Carla, 1 cr 64178-010 LAB, 02:00pm-04:50pm M, SSB 145; Ahrenstorff, Carla, 1 cr 64179-012 LAB, 09:00am-11:50am T, SSB 133; Ahrenstorff, Carla, 1 cr 64180-014 LAB, 09:00am-11:50am T, SSB 143; Ahrenstorff, Carla, 1 cr 64181-016 LAB, 09:00am-11:50am T, SSB 145; Ahrenstorff, Carla, 1 cr 64182-018 LAB, 02:00pm-04:50pm T, SSB 143; Ahrenstorff, Carla, 1 cr 64183-020 LAB, 02:00pm-04:50pm T, SSB 145; Ahrenstorff, Carla, 1 cr 64184-022 LAB, 09:00am-11:50am W, SSB 133; Ahrenstorff, Carla, 1 cr 64185-024 LAB, 09:00am-11:50am W, SSB 143; Ahrenstorff, Carla, 1 cr 64186-026 LAB, 09:00am-11:50am W, SSB 145; Ahrenstorff, Carla, 1 cr 64187-028 LAB, 02:00pm-04:50pm W, SSB 143; Ahrenstorff, Carla, 1 cr 64188-030 LAB, 02:00pm-04:50pm W, SSB 145; Ahrenstorff, Carla, 1 cr 64192-038 LAB, 11:00am-01:50pm Th, SSB 143; Ahrenstorff,	<b>2543-Organic Chemistry I Laboratory</b> (A-F only; prereq 1152 or 1162 or 1155 and 1156. Concurrent registration is required (or allowed) in 2541; credit will not be granted if already received for 2521, CHE 3231, ENGR 2110) 62959-001 LAB, 03:00pm-04:50pm M, SSB 226; Zhdankin, Viktor, 1 cr 62960-002 LAB, 09:00am-10:50am T, SSB 226; Zhdankin, Viktor, 1 cr 62961-003 LAB, 03:00pm-04:50pm W, SSB 226; Zhdankin, Viktor, 1 cr 62962-004 LAB, 12:00pm-01:50pm Th, SSB 226; Zhdankin, Viktor, 1 cr	<b>3324-Biochemistry Laboratory</b> (A-F only; prereq 2522 or 2532 or 2542. Concurrent registration is required (or allowed) in 3322) 61610-002 LAB, 09:00am-11:50am T, SSB 244; Bladholm, Erika, 1 cr 61611-003 LAB, 02:00pm-04:50pm T, SSB 244; Bladholm, Erika, 1 cr 61612-004 LAB, 09:00am-11:50am W, SSB 244; Bladholm, Erika, 1 cr 63057-005 LAB, 02:00pm-04:50pm W, SSB 244; Bladholm, Erika, 1 cr 63706-006 LAB, 09:00am-11:50am Th, SSB 244; Bladholm, Erika, 1 cr 63932-007 LAB, 02:00pm-04:50pm Th, SSB 244; Bladholm, Erika, 1 cr
<b>1154-General Chemistry Lab I</b> (A-F only; prereq Previous of concurrent enrollment in CHEM 1153; credit will not be granted if already received for CHEM 1151 or 1161; meets DLE req of Natural Sciences; meets LE req of LE CAT4) 64143-006 LAB, 02:00pm-04:50pm M, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64144-008 LAB, 02:00pm-04:50pm M, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64145-010 LAB, 08:00am-10:50am T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64146-012 LAB, 08:00am-10:50am T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64147-014 LAB, 11:00am-01:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64148-016 LAB, 11:00am-01:50pm T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64149-018 LAB, 02:00pm-04:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64150-020 LAB, 02:00pm-04:50pm T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64151-022 LAB, 09:00am-11:50am W, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64152-024 LAB, 09:00am-11:50am W, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64153-026 LAB, 02:00pm-04:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64154-028 LAB, 02:00pm-04:50pm W, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64155-030 LAB, 09:00am-11:50am Th, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64156-032 LAB, 09:00am-11:50am Th, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64157-034 LAB, 02:00pm-04:50pm Th, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64158-036 LAB, 02:00pm-04:50pm Th, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 66885-040 LAB, 09:00am-11:50am F, SSB 131; Lakhan, Romesh Krishna; Ahrenstorff, Carla, 1 cr 64160-088 LAB; Reserved for students repeating Chem 1151 General Chemistry I (lecture/lab combo) WHO HAVE PASSED THE LAB SEGMENT.; Lakhan, Romesh Krishna; Ahrenstorff, Carla, 1 cr	<b>2544-Organic Chemistry II Laboratory</b> (A-F only; prereq 2521 or (2541 and 2543). Concurrent registration is required (or allowed) in 2542; credit will not be granted if already received for 2532) 62974-001 LAB, 03:00pm-04:50pm MW, SSB 232; Carlson, Robert M, 2 cr 62975-002 LAB, 12:00pm-01:50pm TTh, SSB 232; Carlson, Robert M, 2 cr 63123-003 LAB, 03:00pm-04:50pm TTh, SSB 232; Carlson, Robert M, 2 cr	<b>3325-Biochemistry</b> (A-F only; prereq 2522 or 2532 or 2542. Concurrent registration is required (or allowed) in 3324) 61235-001 LEC, 12:00pm-12:50pm MWF, Chem 200; Berry, Steven Mark, 3 cr
<b>1156-General Chemistry Lab II</b> (A-F only; prereq 1151 or 1161 or 1154, concurrent or previous enrollment in CHEM 1155; credit will not be granted if already received for Chem 1152 or 1162) 64177-008 LAB, 02:00pm-04:50pm M, SSB 143; Ahrenstorff, Carla, 1 cr 64178-010 LAB, 02:00pm-04:50pm M, SSB 145; Ahrenstorff, Carla, 1 cr 64179-012 LAB, 09:00am-11:50am T, SSB 133; Ahrenstorff, Carla, 1 cr 64180-014 LAB, 09:00am-11:50am T, SSB 143; Ahrenstorff, Carla, 1 cr 64181-016 LAB, 09:00am-11:50am T, SSB 145; Ahrenstorff, Carla, 1 cr 64182-018 LAB, 02:00pm-04:50pm T, SSB 143; Ahrenstorff, Carla, 1 cr 64183-020 LAB, 02:00pm-04:50pm T, SSB 145; Ahrenstorff, Carla, 1 cr 64184-022 LAB, 09:00am-11:50am W, SSB 133; Ahrenstorff, Carla, 1 cr 64185-024 LAB, 09:00am-11:50am W, SSB 143; Ahrenstorff, Carla, 1 cr 64186-026 LAB, 09:00am-11:50am W, SSB 145; Ahrenstorff, Carla, 1 cr 64187-028 LAB, 02:00pm-04:50pm W, SSB 143; Ahrenstorff, Carla, 1 cr 64188-030 LAB, 02:00pm-04:50pm W, SSB 145; Ahrenstorff, Carla, 1 cr 64192-038 LAB, 11:00am-01:50pm Th, SSB 143; Ahrenstorff,	<b>2545-Organic Chemistry II Laboratory</b> (A-F only; prereq 2521 or (2541 and 2543). Concurrent registration is required (or allowed) in 2542; credit will not be granted if already received for 2522, 2532, 2545) 62964-001 LAB, 03:00pm-04:50pm M, SSB 228; Grundt, Peter, 1 cr 62965-002 LAB, 09:00am-10:50am T, SSB 228; Grundt, Peter, 1 cr 62966-003 LAB, 09:00am-10:50am T, SSB 232; Grundt,	<b>3326-Descriptive Inorganic Chemistry</b> (A-F only; prereq (2222 and 2223) or 2242 and 2542 and (2544 or 2545 or 2522 or 2532)) 63191-001 LEC, 12:00pm-01:15pm TTh, MonH 80; Berry, Steven Mark, 3 cr
<b>1154-General Chemistry Lab I</b> (A-F only; prereq Previous of concurrent enrollment in CHEM 1153; credit will not be granted if already received for CHEM 1151 or 1161; meets DLE req of Natural Sciences; meets LE req of LE CAT4) 64143-006 LAB, 02:00pm-04:50pm M, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64144-008 LAB, 02:00pm-04:50pm M, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64145-010 LAB, 08:00am-10:50am T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64146-012 LAB, 08:00am-10:50am T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64147-014 LAB, 11:00am-01:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64148-016 LAB, 11:00am-01:50pm T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64149-018 LAB, 02:00pm-04:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64150-020 LAB, 02:00pm-04:50pm T, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64151-022 LAB, 09:00am-11:50am W, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64152-024 LAB, 09:00am-11:50am W, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64153-026 LAB, 02:00pm-04:50pm T, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64154-028 LAB, 02:00pm-04:50pm W, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64155-030 LAB, 09:00am-11:50am Th, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64156-032 LAB, 09:00am-11:50am Th, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64157-034 LAB, 02:00pm-04:50pm Th, SSB 129; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 64158-036 LAB, 02:00pm-04:50pm Th, SSB 131; Ahrenstorff, Carla; Lakhan, Romesh Krishna, 1 cr 66885-040 LAB, 09:00am-11:50am F, SSB 131; Lakhan, Romesh Krishna; Ahrenstorff, Carla, 1 cr 64160-088 LAB; Reserved for students repeating Chem 1151 General Chemistry I (lecture/lab combo) WHO HAVE PASSED THE LAB SEGMENT.; Lakhan, Romesh Krishna; Ahrenstorff, Carla, 1 cr	<b>4185-Undergraduate Seminar II</b> (S-N only; prereq 4184) 62392-001 SEM, 02:00pm-04:00pm F, Chem 150; Hinderliter, Anne, 1 cr 66881-002 SEM, 02:00pm-04:00pm F, . TBA; Johnson, Joseph L, 1 cr 66882-003 SEM, 02:00pm-04:00pm F, . TBA; Kiprof, Paul, 1 cr 66883-004 SEM, 02:00pm-04:00pm F, . TBA; Austin-Minor, Elizabeth Colquitt, 1 cr 66884-005 SEM, 02:00pm-04:00pm F, . TBA; Nemykin, Viktor N., 1 cr 67928-006 SEM; Bowman, Sarah E, 1 cr	<b>4242-Instrumental Analysis</b> (A-F only; prereq 2222, 4632 or 4634 or 4642. Concurrent registration is required (or allowed) in 4363) 61480-001 LEC, 10:00am-10:50am MWF, Chem 155; Poe, Donald Patrick, 3 cr
<b>1156-General Chemistry Lab II</b> (A-F only; prereq 1151 or 1161 or 1154, concurrent or previous enrollment in CHEM 1155; credit will not be granted if already received for Chem 1152 or 1162) 64177-008 LAB, 02:00pm-04:50pm M, SSB 143; Ahrenstorff, Carla, 1 cr 64178-010 LAB, 02:00pm-04:50pm M, SSB 145; Ahrenstorff, Carla, 1 cr 64179-012 LAB, 09:00am-11:50am T, SSB 133; Ahrenstorff, Carla, 1 cr 64180-014 LAB, 09:00am-11:50am T, SSB 143; Ahrenstorff, Carla, 1 cr 64181-016 LAB, 09:00am-11:50am T, SSB 145; Ahrenstorff, Carla, 1 cr 64182-018 LAB, 02:00pm-04:50pm T, SSB 143; Ahrenstorff, Carla, 1 cr 64183-020 LAB, 02:00pm-04:50pm T, SSB 145; Ahrenstorff, Carla, 1 cr 64184-022 LAB, 09:00am-11:50am W, SSB 133; Ahrenstorff, Carla, 1 cr 64185-024 LAB, 09:00am-11:50am W, SSB 143; Ahrenstorff, Carla, 1 cr 64186-026 LAB, 09:00am-11:50am W, SSB 145; Ahrenstorff, Carla, 1 cr 64187-028 LAB, 02:00pm-04:50pm W, SSB 143; Ahrenstorff, Carla, 1 cr 64188-030 LAB, 02:00pm-04:50pm W, SSB 145; Ahrenstorff, Carla, 1 cr 64192-038 LAB, 11:00am-01:50pm Th, SSB 143; Ahrenstorff,	<b>4243-Instrumental Chemistry Laboratory</b> (A-F only; prereq 2223. Concurrent registration is required (or allowed) in 4242) 61820-001 LAB, 02:00pm-04:50pm MW, Chem 342; Poe, Donald Patrick, 2 cr 62270-002 LAB, 09:00am-11:50am TTh, Chem 342; Poe, Donald Patrick, 2 cr	<b>4352-Biochemistry II</b> (A-F only; prereq 4351)

62588-001 LEC, 08:00am-08:50am MWF, Chem 150; Bowman, Sarah E, 3 cr

**4374-Physical Biochemistry Laboratory**  
(A-F only; prereq 4373, no grad credit)  
63972-001 LAB, 11:00am-01:50pm T, SSB 238; Hinderliter, Anne, 2 cr

**4642-Physical Chemistry II**  
(A-F only; prereq 4641, Concurrent registration is required (or allowed) in 4644)  
61284-001 LEC, 01:00pm-01:50pm MWF, Chem 155; Siders, Paul D, 3 cr

**4644-Physical Chemistry Laboratory II**  
(A-F only; prereq 4643, Concurrent registration is required (or allowed) in 4642)  
61821-001 LAB, 02:00pm-04:50pm T, Chem 342; Siders, Paul D, 1 cr  
62156-002 LAB, 09:00am-11:50am W, Chem 342; Siders, Paul D, 1 cr  
63531-003 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 or 2212 or 2242, and 2521 or 2541 (recommended))  
62977-001 LEC; Class meets in RLB 202.; , 3 cr

**5624-Advanced Physical Chemistry I**  
(A-F only; prereq 4642 or equivalent or Grad student)  
63192-001 LEC, 08:00am-08:50am MWF, Chem 155; Heikal, Ahmed A, 3 cr

**5994-Directed Research in Chemistry**  
(max crs 9; 3 repeats allowed; prereq Min 90 cr or Grad in the sciences or engineering or instr consent)  
62096-001 DRS, 1-3 cr

**8184-Seminar**  
(S-N only; prereq Grad chem major or instr consent)  
61301-001 SEM, 03:00pm-05:00pm F, Chem 200; Meets with Chemistry Seminar; Tsai, Bilin Paula, 1 cr

**8333-FTE: Master's**  
(NGA; prereq Master's student, adviser and DGS consent)  
60842-001 DRS, 1 cr

**8424-Advanced Inorganic Chemistry II**  
(A-F only; prereq 5424)  
62269-001 LEC, 05:00pm-06:50pm WF, Chem 155, instruction mode: Distance Education and On-Site; (Class meets in SSB 203); Nemykin, Viktor N., 4 cr

**8444-FTE: Doctoral**  
(NGA; prereq Doctoral student, adviser and DGS consent)  
61667-001 DRS, 1 cr

**8524-Advanced Organic Chemistry II**  
(A-F only; prereq 5524)  
62411-001 LEC, 12:00pm-01:50pm MF, Chem 251; Mereddy, Venkatram R, 4 cr

**8666-Doctoral Pre-Thesis Credits**  
(max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))  
61677-001 THE, 1-6 cr

**8777-Thesis Credits: Master's**  
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))  
61685-001 THE, 1-18 cr

**8888-Thesis Credits: Doctoral**  
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
61703-001 THE, 1-24 cr

**CHINESE (CHIN)**

457 H, 1201 Ordean Court, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-7951, <http://www.d.umn.edu/fl/main/>

**College of Liberal Arts**

**1102-Beginning Chinese II: A Practical Introduction to Everyday Mandarin Chinese**  
(A-F only; prereq 1101; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LEIP req of LEIP CAT03)  
62591-001 LEC, 10:00am-10:50am MTWTh, H 490; CE Reserved Seats are available to all UMD students on

01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Li, Nan, 4 cr  
68406-002 LEC, 11:00am-11:50am MTWTh, SpHC 210; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Huang, Yaping, 4 cr

**1104-Beginning Chinese IV: A Practical Introduction to Everyday Mandarin Chinese**  
(A-F only; prereq 1103 or equiv, or instr consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)  
63061-001 LEC, 01:00pm-01:50pm MTWTh, Library 409; Li, Nan, 4 cr

**CIVIL ENGINEERING (CE)**

221 Sciv, 1405 University Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3042  
218/726-6444, <http://www.d.umn.edu/civileng>

**Swenson College of Science & Engineering**

**1025-Introduction to Civil Engineering**  
(A-F; prereq Civil engineering students)  
63744-001 LEC, 01:00pm-01:50pm Th, SCiv 265; Johnson, Nathan W, 1 cr

**2017-Engineering Mechanics: Statics and Mechanics of Materials**  
(A-F only; prereq MATH 1297, PHYS 2011; credit will not be granted if already received for ENGR 2015 and ENGR 2016 combined.)  
63734-001 LEC, 11:00am-11:50am MTWThF, SCiv 231; Kohn, Brian J, 5 cr  
63735-002 LEC, 12:00pm-12:50pm MTWThF, SCiv 231; Kohn, Brian J, 5 cr  
63736-003 LEC, 5 cr

**3015-CAD & Engineering Drawing**  
(A-F only; prereq 2017, BCSE Candidate)  
63336-001 LAB, 05:00pm-07:30pm T, SCiv 224; Goldberg, Casey Lynn, 3 cr

**3025-Environmental Engineering**  
(A-F; prereq Chem 1151 or 1154, CE 3221)  
63877-001 LEC, 01:00pm-01:50pm MWF, SCiv 265; Johnson, Nathan W, 3 cr

**3026-Project Management**  
(A-F only; prereq BCSE candidate)  
63745-001 LEC, 04:00pm-06:30pm W, SCiv 265; Rashid, John W, 3 cr

**3027-Infrastructure Materials**  
(A-F only; prereq 2017, BCSE candidate)  
-001 LEC, 08:00am-08:50am MWF, SCiv 265; Dave, Eshan V  
63740-002 LAB, 03:00pm-04:50pm M, SCiv 169; Dave, Eshan V; Lindberg, Sara Carol, 4 cr  
63741-003 LAB, 01:00pm-02:50pm T, SCiv 169; Dave, Eshan V; Lindberg, Sara Carol, 4 cr

**3115-Structural Analysis**  
(A-F only; prereq 2017, Math 3280 (concurrent), BCSE candidate)  
63742-001 LEC, 10:00am-10:50am MWF, SCiv 265; Liu, Hongyan, 3 cr

**3221-Fluid Mechanics**  
(A-F only; prereq 2017, Math 3280 (concurrent), BCSE candidate)  
63743-001 LEC, 02:00pm-02:50pm MWF, SCiv 231; Kohn, Brian J, 3 cr

**3225-Hydraulics and Hydrology**  
(A-F only; prereq 3221)  
-001 LEC, 11:00am-11:50am MWF, SCiv 265; Teasley, Rebecca Lynn  
63404-002 LAB, 11:00am-12:50pm Th, SCiv 155; Teasley, Rebecca Lynn, 4 cr  
64400-003 LAB, 01:00pm-02:50pm Th, SCiv 155; Teasley, Rebecca Lynn, 4 cr

**3316-Transportation Engineering**  
(A-F only; prereq BCSE candidate)  
-001 LEC, 08:00am-09:15am TTh, SCiv 265; Kwon, Eil  
63738-002 LAB, 09:30am-11:20am T, SCiv 224; Hong, Seongah, 4 cr  
64517-003 LAB, 11:30am-01:20pm Th, SCiv 224; Hong, Seongah, 4 cr

**3425-Engineering Geology**  
(A-F only; prereq 1025 or GEOL 1110)  
-001 LEC, 12:00pm-01:40pm T, SCiv 265; Carranza-Torres, Carlos M  
63731-002 LAB, 10:00am-11:50am Th, SCiv 165; Carranza-Torres, Carlos M, 3 cr  
63732-003 LAB, 12:00pm-01:50pm Th, SCiv 165; Carranza-Torres, Carlos M, 3 cr

**3426-Soil Mechanics**  
(A-F only; prereq 2017, 3425, BCSE candidate)

-001 LEC, 09:00am-09:50am MWF, SCiv 265; Carranza-Torres, Carlos M  
63331-001 LAB, 11:00am-12:50pm T, SCiv 165; Saftner, David A, 4 cr  
63733-003 LAB, 02:00pm-03:50pm T, SCiv 165; Saftner, David A, 4 cr

**4115-Design of Steel Structures**  
(A-F only; prereq 3115, BSCE candidate, no Grad School cr)  
63340-001 LEC, 3 cr

**4126-Design of Concrete Structures**  
(A-F only; prereq 3115, BSCE Candidate, no Grad School cr)  
63338-001 LEC, 02:00pm-02:50pm MWF, SCiv 265; Ojard, Sara Dianne Prochnow, 3 cr

**4137-Advanced Structural Analysis and Design**  
(A-F only; prereq 4126, 4115, no grad credit)  
63746-001 LEC, 12:00pm-12:50pm MWF, SCiv 265; Meets with: 66404 CE 5137; , 3 cr

**4215-Hydraulic Design**  
(A-F; prereq 3225, no Grad School cr)  
64401-001 LEC, 08:00am-08:50am MWF, SCiv 231; Desotelle, Diane Marie, 3 cr

**4226-Water Resources Engineering**  
(A-F; prereq 3225, no Grad School cr)  
64426-001 LEC, 09:00am-09:50am MWF, SCiv 231; Meets with: 64492 CE 5226; Teasley, Rebecca Lynn, 3 cr

**4255-Senior Design**  
(A-F; prereq instr consent, no Grad School cr)  
66442-001 LAB, 02:00pm-04:30pm T, SCiv 265, 02:00pm-02:50pm Th, SCiv 265; Ojard, Sara Dianne Prochnow, 4 cr  
66443-002 LAB, 02:00pm-04:15pm T, SCiv 231, 02:00pm-03:15pm Th, SCiv 231; Ojard, Sara Dianne Prochnow, 4 cr

**4316-Pavement Design and Rehabilitation**  
(A-F only; prereq 2017, 3027 and 3316; no grad credit)  
64521-001 LEC, 11:00am-11:50am MWF, LSBE 165; Meets with: 64522 CE 5316; , 3 cr

**4326-Highway Planning and Design**  
(A-F only; prereq 3316; no grad credit)  
68624-001 LEC, 03:00pm-05:30pm W, SCiv 231; Meets with: 68625 CE 5326, 3 cr

**4415-Geotechnical Design**  
(A-F only; prereq 3426, no Grad School cr)  
67942-001 LEC, 01:00pm-01:50pm MWF, SCiv 231; Saftner, David A, 3 cr

**4426-Rock Mechanics**  
(A-F only; prereq 3426; no grad credit)  
-001 LEC, 04:00pm-05:50pm M, SCiv 231; Meets with: 64553 CE 5426; Carranza-Torres, Carlos M  
64555-002 LAB, 03:00pm-04:50pm F, SCiv 231; Meets with: 64554 CE 5426; Carranza-Torres, Carlos M, 3 cr

**5027-Advanced Infrastructure Materials**  
(A-F only; prereq Graduate status or instr consent)  
64548-001 LEC, 3 cr

**5137-Advanced Structural Analysis and Design**  
(A-F only; prereq 4115, 4126; grad student)  
66404-001 LEC, 12:00pm-12:50pm MWF, SCiv 265; Meets with: 63746 CE 4137; , 3 cr  
66495-831 LEC; , 3 cr

**5216-Applications in Environmental Modeling**  
(A-F only; prereq graduate status or instr consent)  
64588-001 LEC, 03:00pm-03:50pm M, SCiv 231, 03:00pm-04:40pm W, LSBE 165; Johnson, Nathan W, 3 cr  
66499-002 LEC, 3 cr  
66468-831 LEC W, Room TBA; Johnson, Nathan W, 3 cr

**5226-Water Resources Engineering**  
(A-F only; prereq 3225, grad student)  
64492-001 LEC, 09:00am-09:50am MWF, SCiv 231; Meets with: 64426 CE 4226; Teasley, Rebecca Lynn, 3 cr  
66469-831 LEC; Teasley, Rebecca Lynn, 3 cr

**5316-Pavement Design and Rehabilitation**  
(A-F only; prereq 3027, 3316; grad student)  
64522-001 LEC, 11:00am-11:50am MWF, LSBE 165; Meets with: 64521 CE 4316; , 3 cr

**5326-Highway Planning and Design**  
(A-F only; prereq 3316 or graduate student)  
68625-001 LEC, 03:00pm-05:30pm W, SCiv 231; Meets with: 68624 CE 4326, 3 cr

**5410-Finite Element Methods for Civil Engineering Applications**  
(A-F only; prereq BCSE or BSME or BSIE or grad student)  
63874-001 LAB, 10:00am-10:50am MWF, SCiv 224; Pedersen PhD, Bill, 3 cr

# University of Minnesota – Class Schedule for Duluth Campus

Spring 2013

## 5420-Advanced Soil Mechanics

(A-F only; prereq 3426, 4415 (concurrent registration is acceptable) or CE graduate student)  
66455-001 LEC, 10:00am-10:50am MWF, SCiv 231; Saftner, David A, 3 cr  
66473-831 LEC; Saftner, David A, 3 cr

## 5426-Rock Mechanics

(A-F only; prereq 3426, Grad Student)  
-001 LEC, 04:00pm-05:50pm M, SCiv 231; Meets with: 63748 CE 4426; Carranza-Torres, Carlos M  
64554-002 LAB, 03:00pm-04:50pm F, SCiv 231; Meets with: 64555 CE 4426; Carranza-Torres, Carlos M, 3 cr  
66471-831 LAB; Carranza-Torres, Carlos M, 3 cr

## 5555-Project Credits: Master of Engineering (Civil)

(max crs 6; A-F only; prereq Civil Engineering MENG Student)  
64402-001 IND, 3-6 cr

## 5991-Graduate Independent Study in Civil Engineering

(max crs 12; 12 repeats allowed; A-F only; prereq CE MENG candidate, instr consent)  
63968-001 IND; Dave, Eshan V, 1-12 cr  
64578-002 IND; , 1-12 cr  
64595-003 IND, 1-12 cr

## 8094-Civil Engineering Master's Project

(max crs 24; 12 repeats allowed; S-N only; prereq Graduate student)  
64540-001 DST; Saftner, David A, 1-6 cr  
64541-002 DST; Carranza-Torres, Carlos M, 1-6 cr  
64542-003 DST; Kwon, Eil, 1-6 cr  
64543-004 DST; , 1-6 cr  
64544-005 DST; Dave, Eshan V, 1-6 cr  
64545-006 DST; Johnson, Nathan W, 1-6 cr  
64594-007 DST; , 1-6 cr  
66450-008 DST; Teasley, Rebecca Lynn, 1-6 cr

## 8777-Thesis Credits: Master's

(max crs 24; 12 repeats allowed; NGA; prereq graduate student; max 12 cr per semester or summer, 10 cr total required (Plan A only))  
64568-001 THE; Carranza-Torres, Carlos M, 1-12 cr  
64569-002 THE; Kwon, Eil, 1-12 cr  
64570-003 THE; , 1-12 cr  
64571-004 THE; Dave, Eshan V, 1-12 cr  
64572-005 THE; Johnson, Nathan W, 1-12 cr  
66451-006 THE; , 1-12 cr  
66452-007 THE; Teasley, Rebecca Lynn, 1-12 cr  
66453-008 THE; Saftner, David A, 1-12 cr

## COACHING (CC)

110 SpHC, 1216 Ordean Court, College of Education and Human Service Professions, Duluth, MN, 55812-3011  
218/726-7120, <http://www.d.umn.edu/hper/>

## College of Education & Human Service Professions

### 3117-Functional Anatomy and Sport Injury Management

(Credit will not be granted if credit has been received for: CC 3116; A-F only; prereq Min 30 cr, current Red Cross First Aid and CPR card or Hlth 1600)  
62321-001 LEC, 06:00pm-08:50pm W, SpHC 8, 06:00pm-08:50pm W, FH 25; Fleissner, Elizabeth A, 3 cr

### 3160-Psychological Aspects of Coaching and Athletic Performance

(A-F only; prereq Coaching minor or instr consent)  
61360-001 LEC, 02:00pm-02:50pm MWF, SpHC 210, instruction mode: Distance Education Other; Millslagle, Duane G., 3 cr

### 3161-Administrative Aspects of Coaching

(A-F only; prereq Coaching minor or instr consent)  
64037-001 LEC, 10:00am-10:50am MWF, VKH 221; Fleissner, Elizabeth A, 3 cr

### 3171-Coaching and Officiating Basketball

(A-F only; prereq Coaching minor or instr consent)  
66997-001 LEC, 09:30am-10:45am TTh, SpHC 150A, 09:30am-10:45am T, SpHC 207; Fleissner, Elizabeth A, 2 cr

### 3991-Independent Study

(max crs 4; A-F only; prereq Coaching minor and instr consent)  
61437-001 IND; Knapp, Jim L, 1-4 cr

### 3997-Coaching Practicum

(S-N; prereq Coaching minor and instr consent)  
61077-001 PRC; Knapp, Jim L, 2 cr

## COMMUNICATION (Comm)

465 ABAH, 1121 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-8576, <http://www.d.umn.edu/comm/>

## College of Liberal Arts

## 1000-Human Communication Theory

(A-F only; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)  
61069-001 LEC, 03:30pm-06:00pm T, LSci 185; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Sunnafrank, Michael J, 3 cr

## 1112-Public Speaking

(Credit will not be granted if credit has been received for: COMM 1511; A-F only; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)  
63582-001 LEC, 08:00am-08:50am MWF, ABAH 435; Matuszak, Brian Timothy, 3 cr  
63597-002 LEC, 09:00am-09:50am MWF, ABAH 435; Vuetch, Trista, 3 cr  
63598-003 LEC, 05:00pm-06:15pm MW, H 480; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Goldish, Melanie Tess, 3 cr  
63599-004 LEC, 01:00pm-01:50pm MWF, ABAH 435; Matuszak, Brian Timothy, 3 cr  
63600-005 LEC, 03:30pm-04:45pm MW, ABAH 435; Goldish, Melanie Tess, 3 cr  
63601-006 LEC, 11:00am-11:50am MWF, H 480; Twite, Nora J., 3 cr  
63603-008 LEC, 05:00pm-07:30pm Th, ABAH 435; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Farrell, Jean E, 3 cr  
63604-009 LEC, 08:00am-09:15am TTh, ABAH 435; Titus, Barb, 3 cr  
63605-010 LEC, 02:00pm-04:30pm Th, ABAH 435; Farrell, Jean E, 3 cr  
63606-011 LEC, 11:00am-12:15pm TTh, ABAH 435; Titus, Barb, 3 cr  
63607-012 LEC, 09:30am-10:45am TTh, ABAH 435; Blais, Angela Lynn, 3 cr  
67825-013 LEC, 09:00am-09:50am MWF, ABAH 425; Joseph, Roy, 3 cr

## 1222-Interpersonal Communication

(A-F only; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LECD req of LECD CAT03)  
63615-003 LEC, 10:00am-10:50am MWF, ABAH 245; Matuszak, Brian Timothy, 3 cr  
63616-004 LEC, 12:00pm-12:50pm MWF, EduE 51; Nelson, Judy M, 3 cr  
63617-005 LEC, 02:00pm-02:50pm MWF, ABAH 425; Twite, Nora J., 3 cr  
63618-006 LEC, 02:00pm-04:30pm F, EduE 51; Farrell, Jean E, 3 cr  
63619-007 LEC, 01:00pm-01:50pm MWF, ABAH 425; Twite, Nora J., 3 cr  
63620-008 LEC, 05:00pm-07:30pm T, ABAH 225; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Goldish, Melanie Tess, 3 cr  
63621-009 LEC, 08:00am-09:15am TTh, ABAH 445; Blais, Angela Lynn, 3 cr  
63622-010 LEC, 03:30pm-04:45pm TTh, EduE 32; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Titus, Barb, 3 cr  
63623-011 LEC, 11:00am-12:15pm TTh, ABAH 425; Blais, Angela Lynn, 3 cr  
63899-012 LEC, 01:00pm-03:30pm Th, SCC 21; Carlson, Kristin, 3 cr  
63624-090 LEC, 06:00pm-08:30pm Th, ABAH 225; , 3 cr

## 1500-Media and Society

(A-F only; meets DLE req of Humanities; meets LE req of LE CAT8)  
63255-001 LEC, 09:30am-10:45am TTh, MonH 80; Bernabo, Lawrance Mark, 3 cr

## 1625-Philosophy and Rhetoric

(A-F only; meets DLE req of Humanities)  
63583-001 LEC, 11:00am-12:15pm TTh, ABAH 445; Gore, David Charles, 3 cr

## 2025-Communication Inquiry: Rhetorical and Historical Methods

(A-F only; prereq Comm major, minimum 30 credits)  
62761-001 LEC, 02:00pm-03:15pm MW, ABAH 445; Pfau, Michael William, 3 cr

## 2030-Communication Inquiry: Social Scientific Methods

(A-F only; prereq Comm major, minimum 30 credits)  
62762-001 LEC, 02:00pm-03:15pm MW, H 458; Feng, Hairong, 3 cr  
63584-002 LEC, 02:00pm-03:15pm TTh, Cina 106; Boyson PhD, Aaron Robert, 3 cr

## 2101-Foundations of Mass Communication

(A-F only; meets DLE req of Social Sciences; meets LE req of LE CAT8)

64499-001 LEC, 10:00am-10:50am MWF, ABAH 445; Petersen-Perlman PhD, Deborah Susan, 3 cr

## 2102-Media Effects

(A-F only; meets DLE req of Social Sciences; meets LE req of LE CAT8)  
66889-001 LEC, 01:00pm-01:50pm MWF, ABAH 445; de Souza, Rebecca, 3 cr

## 2505-Analysis of Public Discourse

(A-F only; prereq 1112)  
64097-001 LEC, 02:00pm-03:15pm TTh, ABAH 445; Bernabo, Lawrance Mark, 3 cr

## 2929-Intercultural Communication

(meets DLE req of Cultural Diversity in the US; meets LE req of LE CAT6; meets LEIP req of LEIP CAT06)  
66887-090 LEC, 06:00pm-09:40pm TTh, ABAH 425, 01/22/13-03/15/13; Students will have required activities on Saturday, January 26, 2013 and Saturday, February 2, 2013 during the day.; Sunnafrank, Michael J, 4 cr

## 3116-Professional Communication

(A-F only; prereq 1112)  
61075-001 LEC, 02:00pm-04:30pm T, ABAH 425; Carlson, Kristin, 3 cr

## 3205-Relationship Communication

(A-F only; prereq 1222)  
62670-001 LEC, 11:00am-11:50am MWF, ABAH 445; Feng, Hairong, 3 cr  
66888-002 LEC, 12:00pm-12:50pm MWF, ABAH 445; Feng, Hairong, 3 cr

## 3210-Group Communication

(A-F only; prereq Min 30 cr, communication major or minor or instr consent)  
63256-001 LEC, 08:00am-08:50am MWF, ABAH 445; Nelson, Judy M, 3 cr  
63901-002 LEC, 09:00am-09:50am MWF, ABAH 445; Nelson, Judy M, 3 cr

## 3215-Conflict Management

(A-F only; prereq Min 30 cr, communication major or minor or instr consent)  
63966-001 LEC, 10:00am-10:50am MWF, ABAH 425; Vuetch, Trista, 3 cr  
64099-002 LEC, 11:00am-11:50am MWF, ABAH 425; Vuetch, Trista, 3 cr

## 3223-Communication and Creativity

(A-F only; prereq Min 30 cr or instr consent)  
66892-001 LEC, 02:00pm-03:15pm MW, ABAH 435; Joseph, Roy, 3 cr

## 3300-Teaching Assistantship in Communication

(max crs 6; 6 repeats allowed; S-N only; prereq Min 60 cr, Comm major or minor, instr consent, may not be applied to elective cr for a Comm major or minor)  
63203-001 PRC; , 1-3 cr

## 3310-Research Assistant in Communication

(max crs 3; 3 repeats allowed; S-N; prereq instructor consent)  
62764-001 PRC; , 1-3 cr

## 3395-Special Topics: (Various Titles to be Assigned)

(max crs 15; 5 repeats allowed; A-F only)  
68007-001 CST, 04:00pm-06:30pm W, ABAH 225, 3 cr; T: Communication and the Future of Work  
68008-002 CST, 02:00pm-02:50pm MWF, LSBE 225, 3 cr; T: Crisis Communication  
66893-090 CST, 06:00pm-08:30pm M, ABAH 435, 3 cr; T: Rhetoric and Popular Media

## 3405-Health Campaigns

(A-F only)  
66894-001 LEC, 03:00pm-03:50pm MW, ABAH 425; Additional on-line instruction required for this hybrid course.; de Souza, Rebecca, 3 cr  
66895-002 LEC, 04:00pm-04:50pm MW, ABAH 425; Additional on-line instruction required for this hybrid course.; de Souza, Rebecca, 3 cr

## 3505-Media Communications

(A-F only; prereq WRIT 1120)  
64105-090 LEC, 06:00pm-08:30pm W, ABAH 425; Petersen-Perlman PhD, Deborah Susan, 3 cr

## 3555-Mass Media Addiction

(A-F only)  
66896-001 LEC, 09:30am-10:45am TTh, ABAH 445; Boyson PhD, Aaron Robert, 3 cr

## 3560-Video Game Entertainment

(A-F only)  
66897-001 LEC, 03:30pm-04:45pm TTh, ABAH 445; Communication Majors only; Meets with: 67994 COMM 3560; Downs, Edward Paul, 3 cr  
67994-002 LEC, 03:30pm-04:45pm TTh, ABAH 445; Meets with: 66897 COMM 3560; Downs, Edward Paul, 3 cr

This information is accurate as of: 11/02/2012

67091-090 LEC, 06:00pm-08:30pm Th, ABAH 445; Communication Majors only; 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Meets with: 67995 COMM 3560; Downs, Edward Paul, 3 cr  
 67995-091 LEC, 06:00pm-08:30pm Th, ABAH 445; Meets with: 67091 COMM 3560; Downs, Edward Paul, 3 cr

**3605-Public Relations**

(A-F only)  
 67827-001 LEC, 09:00am-09:50am MWF, H 403; Reier-son, Jennifer Lynn, 3 cr  
 67828-002 LEC, 12:00pm-12:50pm MWF, SpHC 208; Reier-son, Jennifer Lynn, 3 cr

**3612-Rhetorical Criticism**

(A-F only; prereq 1112, min 60 cr)  
 64103-001 LEC, 12:30pm-01:45pm TTh, ABAH 445; Bernabo, Lawrance Mark, 3 cr

**3625-Rhetoric of Globalization**

(A-F; prereq 1112; meets DLE req of Global Perspectives)  
 66898-090 LEC, 06:00pm-08:30pm T, ABAH 435; Gore, David Charles, 3 cr

**4394-Directed Research in Communication**

(max crs 3; 3 repeats allowed; A-F; prereq Min 60 cr, comm major, instr consent)  
 61758-001 DRS; , 1-3 cr

**4397-Internship in Communication**

(max crs 8; 8 repeats allowed; S-N; prereq Min 79 cr, comm major/minor (20 cr. in major), 2.50 GPA in major/minor; no Grad School cr)  
 61076-001 IEX; Carlson, Kristin, 1-8 cr

**4399-Directed Projects in Communication**

(max crs 6; 6 repeats allowed; S-N; prereq Min 60 cr, comm major, instr consent ; may not be applied to elec-tive cr for comm major or minor; no Grad School cr)  
 61759-001 DST; , 1-3 cr

**4500-History of Rhetoric**

(A-F only; prereq 1112 or instr consent ; no Grad School cr)  
 61879-090 LEC, 06:00pm-08:30pm W, ABAH 445; Pfau, Michael William, 3 cr

**5000-Senior Seminar**

(max crs 6; A-F only; prereq 1000, 1112 or 1115, 2025, 2030 with a C or better; Min 90 cr, Comm major, instr consent , no Grad School cr)  
 64108-002 SEM, 05:00pm-07:30pm M, ABAH 425; TOPIC: 1st Amendment in Action. Students must complete the required core Comm 1000, 1112 or 1511, 2025, 2030 with a C or better to be admitted to Comm 5000.; Petersen-Perlman PhD, Deborah Susan, 3 cr  
 64109-003 SEM, 05:00pm-07:30pm T, ABAH 445; TOPIC: Demystifying Psycho-Physiology. Students must complete the required core Comm 1000, 1112 or 1511, 2025, 2030 with a C or better to be admitted to Comm 5000.; Downs, Edward Paul, 3 cr  
 67281-004 SEM, 02:00pm-04:30pm Th, ABAH 425; TOPIC: Scottish Enlightenment. Students must complete the required core Comm 1000, 1112 or 1511, 2025, 2030 with a C or better to be admitted to Comm 5000.; Gore, David Charles, 3 cr  
 67768-090 SEM, 06:00pm-08:30pm W, ABAH 435; TOPIC: Media and Murder. Students must complete the required core Comm 1000, 1112 or 1511, 2025, 2030 with a C or better to be admitted to Comm 5000.; Boyson PhD, Aaron Robert, 3 cr

**COMMUNICATION SCIENCES AND DISORDERS (CSD)**

182 ChPk, 31 West College St, College of Education and Human Service Professions, Duluth, MN, 55812-1106  
 218/726-7974, <http://www.d.umn.edu/csd>

**College of Education & Human Service Professions**

**1100-Phonetics**

(meets LE req of LE CAT3)  
 60837-001 LEC, 01:00pm-01:50pm MW, ChPk 124; Collins, Dana Rose, 2 cr

**2230-Introduction to Human Communication Disorders**

(meets DLE req of Cultural Diversity in the US; meets DLE req of Social Sciences; meets LE req of LE CAT8; meets LECD req of LECD CAT08)

63973-001 LEC, 08:00am-09:15am TTh, SCC 120; 62 seats reserved for IESE; Carlson, Lynette Rene; Tschekunow, Jill; Loven, Faith C, 3 cr  
 60838-350 LEC; This class is completely on line.; Brorson, Kent R, 3 cr

**2400-Clinical Observation of Communication Disorders**

(A-F only; prereq 2230 or instructor consent)  
 67521-001 CST; Brorson, Kent R, 1 cr

**3160-Fundamentals of Hearing Science**

(A-F; prereq 3103, CSD candidate or instr consent)  
 62023-001 LEC, 10:00am-10:50am MWF, ChPk 124; Loven, Faith C, 3 cr

**3232-Language Disorders**

(A-F only; prereq 3131, CSD candidate or instr consent)  
 62024-001 LEC, 02:00pm-03:15pm TTh, ChPk 124; Brorson, Kent R, 3 cr

**3241-Foundations of Treatment in Communication Disorders**

(A-F only; prereq 3103, 3131, 3150, 3200, CSD candidate or instr consent)  
 62025-001 LEC, 08:00am-08:50am MWF, ChPk 124; Carlson, Lynette Rene, 3 cr

**4010-Introduction to Formative Assessment**

(max crs 2; A-F only; prereq CSD candidate or instr consent , no Grad cr)  
 62798-001 LEC, 02:00pm-02:50pm W, ChPk 124; Carlson, Lynette Rene, 1 cr

**4197-Clinical Practicum in Communication Disorders**

(A-F; prereq 3241 with C grade or better, CSD candidate or instr consent , no Grad cr)  
 62130-001 PRC, 01:00pm-01:50pm Th, ChPk 124; This class meets with CSD 4297 and CSD 8097.; Meets with: 62026 CSD 4297, 63080 CSD 8097; Mizuko, Mark I; Carlson, Lynette Rene; Collins, Dana Rose; Brorson, Kent R; Schaefer, Susan Elizabeth; Peterson, Cole Christian; John, Lynda Barker; Hyppa Martin, Jolene K; Wallis, Kay; Tschekunow, Jill; Spillers PhD, Cindy S, 2 cr

**4200-Introduction to Fluency Disorders**

(A-F only; prereq 2230, CSD candidate or instr consent , no Grad School cr)  
 60908-001 LEC, 02:00pm-03:15pm TTh, ChPk 122; Wallis, Kay, 3 cr

**4297-Advanced Clinical Practicum in Communication Disorders**

(A-F only; prereq 4197 with C grade or better, CSD candidate or instr consent , no Grad School cr)  
 62026-001 PRC, 01:00pm-01:50pm Th, ChPk 124; This class meets with CSD 4197 and CSD 8097.; Meets with: 62130 CSD 4197, 63080 CSD 8097; Mizuko, Mark I; Carlson, Lynette Rene; Collins, Dana Rose; Brorson, Kent R; Schaefer, Susan Elizabeth; Peterson, Cole Christian; John, Lynda Barker; Hyppa Martin, Jolene K; Wallis, Kay; Tschekunow, Jill; Spillers PhD, Cindy S, 3 cr

**5010-Portfolio Development**

(max crs 1; A-F; prereq CSD Grad student or instr consent)  
 65471-001 LEC, 12:00pm-12:50pm Th, ChPk 124; Carlson, Lynette Rene, 0.50 cr

**5091-Independent Study**

(max crs 6; 6 repeats allowed; prereq CSD candidate with 90 cr or CSD Grad student)  
 61376-001 IND; Class is arranged with Instructor.; Carlson, Lynette Rene, 1-3 cr  
 63961-002 IND; Class is arranged with Instructor.; Carlson, Lynette Rene, 1-3 cr

**5240-Dementia: Communication Impairment and Management**

(max crs 2; A-F; prereq CSD candidate or CSD Grad or instr consent)  
 62767-001 SEM, 12:00pm-12:50pm F, ChPk 122; Hyppa Martin, Jolene K, 1-2 cr

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

(A-F only; prereq CSD Grad student or instr consent)  
 63560-001 LEC, 11:00am-11:50am TTh, ChPk 122; Brorson, Kent R, 2 cr

**5400-Rehabilitative Procedures for the Hard of Hearing**

(A-F; prereq 4400, CSD candidate or CSD Grad or instr consent)  
 62531-001 LEC, 12:00pm-12:50pm MWF, ChPk 124; Loven, Faith C, 3 cr

**8097-Internship: Communication Disorders**

(max crs 12; 12 repeats allowed; A-F; prereq Can apply max 4 cr to a Graduate School program. 25 hrs supervised clinical observation, CSD Grad student or instr consent)  
 63080-001 IEX, 01:00pm-01:50pm Th, ChPk 124; This class meets with CSD 4197 and CSD 4297.; Meets with: 62026 CSD 4297, 62130 CSD 4197; Mizuko, Mark I; Carlson, Lynette Rene; Collins, Dana Rose; Brorson, Kent R; Schaefer, Susan Elizabeth; Peterson, Cole Christian; John, Lynda Barker; Hyppa Martin, Jolene K; Wallis, Kay; Tschekunow, Jill; Spillers PhD, Cindy S, 1-3 cr

**8099-Projects in Communication Disorders**

(A-F; prereq CSD Grad student or instr consent)  
 60909-001 DRS; This class meets individually with Plan B advisor and times are arranged.; Loven, Faith C; Mizuko, Mark I; Collins, Dana Rose; Brorson, Kent R; Spillers PhD, Cindy S, 2 cr

**8197-Externship: Communication Disorders**

(A-F; prereq 8097, CSD Grad student or instr consent)  
 63081-001 IEX, 03:40pm-04:30pm T, ChPk 122; This class will meet each week prior to leaving for your externship (1st-5 weeks); Wallis, Kay; Carlson, Lynette Rene, 4 cr

**8205-Advanced Fluency Disorders**

(prereq 4200 or equiv, CSD Grad student or instr consent)  
 62532-001 LEC, 09:00am-10:15am TTh, ChPk 122; Wallis, Kay, 3 cr

**8231-Neurogenic Speech Disorders**

(prereq CSD Grad student or instr consent)  
 61841-001 LEC, 08:00am-09:15am MW, ChPk 122; Collins, Dana Rose, 3 cr

**8297-Audiology Practicum**

(max crs 4; 4 repeats allowed; S-N; prereq 5400, 8400, CSD grad student or instr consent ; Cannot apply more than 2 cr to a Graduate School program)  
 63082-001 PRC; Class is arranged with instructor.; Loven, Faith C, 1-2 cr

**COMPUTER SCIENCE (CS)**

320 HH, 1114 Kirby Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
 218/726-7607, <http://www.d.umn.edu/cs/>

**Swenson College of Science & Engineering**

**1101-Introduction to Web Programming**

(A-F only; prereq 1 year high school algebra or Math 1005 or instr consent; meets DLE req of Logic & Quantitative Reasoning)

-001 LEC, 12:00pm-12:50pm TTh, LSci 185; Holtz, Steven J  
 66542-002 LAB, 10:00am-10:50am M, MWAH 177; Holtz, Steven J, 3 cr  
 66543-003 LAB, 11:00am-11:50am M, MWAH 177; Holtz, Steven J, 3 cr  
 66544-004 LAB, 01:00pm-01:50pm M, MWAH 177; Holtz, Steven J, 3 cr  
 66545-005 LAB, 02:00pm-02:50pm M, MWAH 177; Holtz, Steven J, 3 cr  
 66546-006 LAB, 03:00pm-03:50pm M, MWAH 177; Holtz, Steven J, 3 cr

**1121-Introduction to Programming in Visual BASIC.NET**

(Credit will not be granted if credit has been received for: FMIS 2225; A-F only; prereq 1 yr high school algebra or instr consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT3)

-001 LEC, 08:00am-08:50am TTh, LSci 175; Allert, James Donald  
 61870-002 LAB, 10:00am-10:50am W, MWAH 177; Allert, James Donald, 3 cr  
 61871-003 LAB, 11:00am-11:50am W, MWAH 177; Allert, James Donald, 3 cr  
 61872-004 LAB, 12:00pm-12:50pm W, MWAH 177; Allert, James Donald, 3 cr  
 62706-005 LAB, 01:00pm-01:50pm W, MWAH 177; Allert, James Donald, 3 cr  
 62725-006 LAB, 04:00pm-04:50pm W, MWAH 177; Allert, James Donald, 3 cr  
 63069-007 LAB, 05:00pm-05:50pm W, MWAH 177; Allert, James Donald, 3 cr

**1141-Introduction to Programming in C#**

(A-F only; prereq 1 year high school algebra or instr consent)  
 -001 LEC, 03:00pm-03:50pm TTh, MWAH 175; Holtz, Steven J  
 63921-002 LAB, 03:00pm-03:50pm W, MWAH 177; Holtz, Steven J, 3 cr

**1511-Computer Science I**

(Credit will not be granted if credit has been received for: CS 1211, CS 1581; A-F only; prereq 3 1/2 yrs high school math or instr consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT3)

-001 LEC, 11:00am-11:50am MWF, MWAH 195; Allert, James Donald  
 -002 DIS, 08:00am-08:50am T, MWAH 175; Allert, James Donald  
 61114-003 LAB, 08:00am-08:50am Th, MWAH 177; Allert, James Donald, 5 cr  
 -004 DIS, 09:00am-09:50am T, MWAH 175; Allert, James Donald  
 61116-005 LAB, 09:00am-09:50am Th, MWAH 177; Allert, James Donald, 5 cr  
 -006 DIS, 10:00am-10:50am T, MWAH 175; Allert, James Donald  
 61118-007 LAB, 10:00am-10:50am Th, MWAH 177; Allert, James Donald, 5 cr  
 -008 DIS, 11:00am-11:50am T, MWAH 175; Allert, James Donald  
 61482-009 LAB, 11:00am-11:50am Th, MWAH 177; Allert, James Donald, 5 cr  
 -010 DIS, 12:00pm-12:50pm T, MWAH 175; Allert, James Donald

61755-011 LAB, 12:00pm-12:50pm Th, MWAH 177; Allert, James Donald, 5 cr  
 -012 DIS, 01:00pm-01:50pm T, MWAH 175; Allert, James Donald  
 61877-013 LAB, 01:00pm-01:50pm Th, MWAH 177; Allert, James Donald, 5 cr

**1521-Computer Science II**

(Credit will not be granted if credit has been received for: CS 2111; A-F only; prereq 1511 or 1581)  
 -001 LEC, 03:00pm-03:50pm MWF, LSci 175; Holtz, Steven J  
 -002 DIS, 08:00am-08:50am Th, MWAH 175; Holtz, Steven J  
 62348-003 LAB, 08:00am-08:50am T, MWAH 177; Holtz, Steven J, 5 cr  
 -004 DIS, 09:00am-09:50am Th, MWAH 175; Holtz, Steven J  
 61123-005 LAB, 09:00am-09:50am T, MWAH 177; Holtz, Steven J, 5 cr  
 -006 DIS, 10:00am-10:50am Th, MWAH 175; Holtz, Steven J  
 61125-007 LAB, 10:00am-10:50am T, MWAH 177; Holtz, Steven J, 5 cr  
 -008 DIS, 11:00am-11:50am Th, MWAH 175; Holtz, Steven J  
 61127-009 LAB, 11:00am-11:50am T, MWAH 177; Holtz, Steven J, 5 cr  
 -010 DIS, 12:00pm-12:50pm Th, MWAH 175; Holtz, Steven J  
 61484-011 LAB, 12:00pm-12:50pm T, MWAH 177; Holtz, Steven J, 5 cr  
 -012 DIS, 01:00pm-01:50pm Th, MWAH 175; Holtz, Steven J  
 61486-013 LAB, 01:00pm-01:50pm T, MWAH 177; Holtz, Steven J, 5 cr

**2121-Introduction to Programming in Java**

(A-F only; prereq 3 yrs high school math, or instr consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT3)  
 -001 LEC, 02:00pm-02:50pm TTh, MWAH 175; Allert, James Donald  
 61454-002 LAB, 02:00pm-02:50pm W, MWAH 177; Allert, James Donald, 3 cr  
 61867-003 LAB, 06:00pm-06:50pm W, MWAH 177; Allert, James Donald, 3 cr

**2511-Software Analysis and Design**

(prereq 1521 or instr consent)  
 -001 LEC, 09:30am-10:45am TTh, SCC 120; Colburn, Timothy Robert  
 -002 DIS, 08:00am-08:50am F, MWAH 175; Colburn, Timothy Robert  
 61148-003 LAB, 08:00am-08:50am M, MWAH 177; Colburn, Timothy Robert, 4 cr  
 -004 DIS, 12:00pm-12:50pm F, MWAH 175; Colburn, Timothy Robert  
 61617-005 LAB, 12:00pm-12:50pm M, MWAH 177; Colburn, Timothy Robert, 4 cr

**2521-Computer Organization and Architecture**

(prereq 1521, Math 1296 or instr consent)  
 -001 LEC, 01:00pm-01:50pm MWF, MWAH 175; Shute, Gary M  
 61151-002 LAB, 02:00pm-02:50pm F, MWAH 177; Shute, Gary M, 4 cr  
 61152-003 LAB, 03:00pm-03:50pm F, MWAH 177; Shute, Gary M, 4 cr

**3111-Computer Ethics**

(A-F only; prereq WRIT 3100 or 3110 or 3121 or 3130 or 3140 or 3150 or 3160 or Engr 4001, min 60 cr or instr consent; meets DLE req of Humanities)  
 62429-001 LEC, 12:30pm-01:45pm TTh, HH 306, 12:00pm-12:50pm W, HH 306; Colburn, Timothy Robert, 4 cr

**3221-Operating Systems Practicum**

(A-F only; prereq 2511, 3011 or instr consent, CIS majors only, min 60 cr)  
 -001 LEC, 10:00am-10:50am MWF, MWAH 175; Pedersen, Ted  
 61892-002 LAB, 02:00pm-03:50pm T, MWAH 177; Pedersen, Ted, 4 cr

**3512-Computer Science Theory**

(A-F only; prereq 1521, Math 1296 or 1596 or instr consent)  
 62666-001 LEC, 02:00pm-02:50pm MWF, EduE 50, 12:00pm-12:50pm M, HH 306; Dunham, Douglas, 4 cr

**3996-Internship in Computer Science**

(max crs 3; 3 repeats allowed; S-N only; prereq Comp sci jr, instr consent)  
 61563-001 IEX; Colburn, Timothy Robert, 1-3 cr

**4411-Data Communications and Network Technology**

(A-F only; prereq 2511, 3011 or instr consent, CIS majors only, min 60 cr)  
 -001 LEC, 11:00am-11:50am MWF, MWAH 175; Shute, Gary M  
 61894-002 LAB, 04:00pm-05:50pm M, HH 306; Shute, Gary M, 4 cr

**4511-Computability and Complexity**

(A-F only; prereq 3511 or 3512 or instr consent)  
 62506-001 LEC, 03:00pm-03:50pm MWF, EduE 40, 12:00pm-12:50pm W, MWAH 175; Dunham, Douglas, 4 cr

**4531-Software Engineering**

(A-F only; prereq 2511 or instr consent)  
 -001 LEC, 11:00am-12:15pm TTh, HH 306; Brooks, Andrew  
 61896-002 LAB, 05:00pm-06:50pm T, MWAH 177; Brooks, Andrew, 4 cr

**4611-Database Management Systems**

(A-F only; prereq 2511, 2521 or instr consent)  
 -001 LEC, 09:30am-10:45am TTh, HH 306; Crouch, Donald B  
 62508-002 LAB, 04:00pm-05:50pm W, HH 306; Crouch, Donald B, 4 cr

**4821-Computer Security**

(A-F only; prereq 2511, 2521, 3512 or instr consent ; credit will not be granted if already received for 4711)  
 -001 LEC, 10:00am-10:50am MWF, HH 306; Crouch, Carolyn J  
 63313-002 LAB, 04:00pm-05:50pm F, MWAH 177; Crouch, Carolyn J, 4 cr

**4991-Independent Study**

(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)  
 61564-001 IND; Maclin, Richard Frank, 1-4 cr

**4994-Honors Project**

(max crs 3; A-F only; prereq Consent of comp sci honors prog committee; meets HON req of Honors)  
 61565-001 DRS; Colburn, Timothy Robert, 2-3 cr

**5621-Computer Architecture**

(A-F only; prereq 2521 or instr consent)  
 -001 LEC, 11:00am-11:50am MWF, HH 306; Pedersen, Ted  
 62190-002 LAB, 04:00pm-05:50pm Th, MWAH 177; Pedersen, Ted, 4 cr

**5631-Operating Systems**

(A-F only; prereq 2511, 2521 or instr consent)  
 -001 LEC, 01:00pm-01:50pm MWF, HH 306; Brooks, Andrew  
 61616-002 LAB, 04:00pm-05:50pm M, MWAH 177; Brooks, Andrew, 4 cr

**5641-Compiler Design**

(A-F only; prereq 2511, 2521, 3521 or instr consent)  
 -001 LEC, 02:00pm-02:50pm MWF, H 490; Maclin, Richard Frank  
 62980-002 LAB, 06:00pm-06:50pm Th, MWAH 177; Maclin, Richard Frank, 4 cr

**5721-Computer Graphics**

(A-F only; prereq 2511, Math 2326 or 3326 or 4326 or instr consent)  
 -001 LEC, 02:00pm-03:15pm TTh, HH 306; Willemsen, Peter J  
 62432-002 LAB, 04:00pm-04:50pm T, MWAH 177; Willemsen, Peter J, 4 cr

**5991-Independent Study**

(max crs 8; 8 repeats allowed; A-F only; prereq Instr consent)  
 62201-001 IND; Crouch, Donald B, 1-4 cr  
 63547-002 IND; Dunham, Douglas, 1-4 cr  
 63548-003 IND; Crouch, Carolyn J, 1-4 cr  
 63549-004 IND; Shute, Gary M, 1-4 cr  
 63550-005 IND; Maclin, Richard Frank, 1-4 cr  
 63551-006 IND; Turner, Hudson, 1-4 cr  
 63552-007 IND; Pedersen, Ted, 1-4 cr  
 63553-008 IND; Prince, Christopher George, 1-4 cr  
 63554-009 IND; Willemsen, Peter J, 1-4 cr  
 63555-010 IND, 1-4 cr

**8333-FTE: Master's**

(NGA; prereq Master's student, adviser and DGS consent)  
 60843-001 DRS, 1 cr

**8631-Advanced Systems Programming**

(A-F only; prereq 5631, 5641 or instr consent)  
 63359-001 LEC, 09:00am-09:50am MWF, MWAH 175, 08:00am-08:50am W, MWAH 175; Maclin, Richard Frank, 4 cr

**8771-Advanced Computational Logic**

(A-F only; prereq 4511 or instr consent ; Grad student)  
 62440-001 LEC, 09:00am-09:50am MWF, HH 306, 08:00am-08:50am W, HH 306; Turner, Hudson, 4 cr

**8777-thesis Credits: Master's**

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))  
 61686-001 THE; Crouch, Donald B, 1-24 cr  
 61687-002 THE; Dunham, Douglas, 1-24 cr  
 61688-003 THE; Crouch, Carolyn J, 1-24 cr  
 61689-005 THE; Shute, Gary M, 1-24 cr  
 61690-006 THE; Maclin, Richard Frank, 1-24 cr  
 61691-007 THE; Turner, Hudson, 1-24 cr  
 61692-008 THE; Pedersen, Ted, 1-24 cr  
 61693-009 THE; Prince, Christopher George, 1-24 cr  
 61785-010 THE; Willemsen, Peter J, 1-24 cr

**2535-Major and Career Exploration**

(A-F only; prereq Fewer than 45 credits or instr consent)  
 62996-090 LEC, 05:00pm-06:15pm T, Cina 106, 01/22/13-03/15/13; Open CE reserved seats will be available to UMD students on 01/15/2013.; 6 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Holm, Susan Marie; Olsen, Sonja M., 2 cr  
 63055-091 LEC, 05:00pm-06:15pm M, KPlz 385, 01/22/13-03/15/13; (For undeclared students in SCSE only. Exploration will focus on SCSE majors and related careers. In addition to the textbooks, students need to purchase and complete the StrengthsQuest and Strong Interest Inventory assessments from Career Services. Cost for both assessments is \$30. Hybrid course with classroom and internet components.) - Partially online.; 6 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Hatcher, Michele N., 2 cr  
 63541-092 LEC, 05:00pm-06:15pm T, Cina 106, 03/25/13-05/10/13; Open CE reserved seats will be available to UMD students on 01/15/2013.; 6 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Holm, Susan Marie; Olsen, Sonja M., 2 cr  
 64464-093 LEC, 05:00pm-06:15pm M, Library 409, 03/25/13-05/10/13; Open CE reserved seats will be available to UMD students on 01/15/2013.; 5 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Ramsey, Hilary B, 2 cr  
 64465-094 LEC, 03/25/13-05/10/13; (For undeclared students in SCSE only. Exploration will focus on SCSE majors and related careers. In addition to the textbooks, students need to purchase and complete the StrengthsQuest and Strong Interest Inventory assessments from Career Services. Cost for both assessments is \$30. Hybrid course with classroom and internet components.) (Open CE reserved seats will be available to UMD students one week before the start of the semester.), 2 cr

**3010-Internship Preparation**

(A-F only; prereq WRIT 1120, 45 credits and declared major)  
 63872-090 LEC, 05:00pm-05:50pm T, H 468, 01/22/13-01/22/13, 05:00pm-05:50pm T, H 468, 01/29/13-01/29/13, 05:00pm-05:50pm T, H 468, 02/19/13-02/19/13, 05:00pm-05:50pm T, H 468, 03/05/13-03/05/13, 05:00pm-05:50pm T, H 468, 04/09/13-04/09/13; (Class meets face-to-face on Tuesdays January 22, January 29, February 19, March 5 and April 9, 5:00 - 5:50 PM. In addition to the textbook, students will need to purchase and complete the StrengthsQuest assessment from Career Services. Cost of the assessment is \$15.) (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 5 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Westlund, Julie Anne, 1 cr  
 67315-091 LEC, 05:00pm-05:50pm T, H 464, 01/22/13-01/22/13, 05:00pm-05:50pm T, H 464, 01/29/13-01/29/13, 05:00pm-05:50pm T, H 464, 02/19/13-02/19/13, 05:00pm-05:50pm T, H 464, 03/05/13-03/05/13, 05:00pm-05:50pm T, H 464, 04/09/13-04/09/13; (Class meets face-to-face on Tuesdays January 22, January 29, February 19, March 5 and April 9, 5:00 - 5:50 PM. In addition to the textbook, students will need to purchase and complete the StrengthsQuest assessment from Career Services. Cost of the assessment is \$15.) (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 5 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Yeaton, Sherrill Jane, 1 cr

**3535-Strategic Career Planning**

(Credit will not be granted if credit has been received for: PSY 3535; A-F only; prereq Min 45 cr or instr consent)  
 62989-350 LEC; (Open CE reserved seats will be available to UMD students on 01/15/2013.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Olsen, Nancy Heller, 3 cr  
 62990-351 LEC; (Online instruction. Students must register no later than 01/28/2013 and complete all requirements by 05/10/2013. In addition to the textbooks, students will need to purchase and complete one career assessment from Career Services. Cost of the assessment is \$15.00. After the second day of the semester, when permission numbers are required, students must go to the Continuing Education office in 104 Darland Administration Building, or email chehelp@d.umn.edu to register for this course. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Yeaton, Sherrill Jane, 3 cr  
 63831-352 LEC; (Online Instruction - register anytime. In addition to textbooks, students will need to purchase and

**CONTINUING EDUCATION (CnEd)  
 Continuing Education**

complete one career assessment from Career Services. Cost of the assessment is \$15. After the second day of the semester, when permission numbers are required, students must go to the Continuing Education office in 104 Darland Admin Bldg or email cehelp@d.umn.edu to register for the course. Open CE reserved seats will be available to UMD students one week before the start of the semester. Students will receive an email from Continuing Education letting them know how to begin the course.; 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Pribly, Janet Marie, 3 cr  
 63832-353 LEC; (Open CE reserved seats will be available to UMD students on 01/15/2013.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; O'Sullivan, Katherine S, 3 cr  
 63833-354 LEC; (Open CE reserved seats will be available to UMD students on 01/15/2013.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013, 3 cr  
 67265-355 LEC; (Online instruction. Students must register no later than 01/28/2013 and complete all requirements by 05/10/2013. In addition to the textbooks, students will need to purchase and complete one career assessment from Career Services. Cost of the assessment is \$15. After the second day of the semester, when permission numbers are required, students must go to the Continuing Education office in 104 Darland Administration Building, or email cehelp@d.umn.edu to register for this course. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013, 3 cr

**CRIMINOLOGY (CRIM)**

228 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
 218/726-7801, <http://www.d.umn.edu/socanth/>

**College of Liberal Arts**

**1301-Introduction to Criminology**

(A-F only; prereq credit will not be granted if already received for SOC 1301; meets DLE req of Social Sciences; meets LE req of LE CAT8)

62162-001 LEC, 10:00am-11:50am TTh, BohH 90; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Maahs, Jeffrey Robert, 4 cr  
 63100-090 LEC, 05:00pm-08:30pm T, Cina 102; Open CE reserved seats will be available to UMD students on 01/15/2013.; 7 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Gittings, Ronald F, 4 cr

**2311-Criminological Theory**

(A-F only; prereq 1301, 15 cr; credit will not be granted if already received for SOC 2311)

61851-001 LEC, 08:00am-09:40am TTh, Cina 224; Arthur, John A, 4 cr  
 63325-090 LEC, 05:00pm-08:30pm T, Cina 308; Open CE reserved seats will be available to UMD students on 01/15/2013.; 6 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Arthur, John A, 4 cr

**3328-Delinquency and Juvenile Justice**

(A-F only; prereq 30 cr or instr consent ; credit will not be granted if received for SOC 3328)

66660-001 LEC, 11:00am-12:15pm TTh, Cina 214; , 3 cr

**3344-Law Enforcement and Society**

(A-F only; prereq 30 cr or instr consent ; credit will not be granted if already received for SOC 3344)

67518-001 LEC, 06:00pm-08:40pm T, Cina 202; Ramsay, Gordon Scott, 3 cr

**3350-Psychopathology and Crime**

(A-F only; prereq minimum 30 credits)

68490-001 LEC, 11:30am-12:45pm TTh, Cina 224, 3 cr

**3369-Correctional Assessment and Intervention**

(A-F only; prereq Min 30 cr or instr consent ; credit will not be granted if already received for SOC 3369)

62378-001 LEC, 08:00am-09:15am TTh, Cina 308; Maahs, Jeffrey Robert, 3 cr

**3375-Restorative Justice**

(A-F; prereq Min 60 cr or instr consent ; credit will not be granted if already received for SOC 3375)

66662-001 LEC, 10:00am-11:15am TTh, Cina 224; Gaarder, Emily, 3 cr

**3380-Death Penalty**

(A-F only; prereq minimum 30 credits)

68491-001 LEC, 12:00pm-12:50pm MWF, Cina 224, 3 cr

**4305-Mentally Ill Offenders in the Criminal Justice System**

(A-F only; prereq minimum 60 credits; no grad credit)

68492-001 LEC, 02:30pm-03:45pm TTh, Cina 224, 3 cr

**4384-Child Abuse and Child Protection in Minnesota**

(A-F only; prereq 90 cr or Grad Student or instr consent ;

credit will not be granted if already received for SOC 4384)  
 61838-090 LEC, 06:00pm-08:40pm Th, Cina 316; 6 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Wolf JD, Dale A, 3 cr

**4391-Independent Study in Criminology**

(max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; maximum 6 credits allowed between SOC 4991 and CRIM 4391, no grad school credit)  
 63855-001 IND; Weidner, Robert R, 1-6 cr

**4395-Special Topics: (Various Titles to be Assigned)**

(max crs 6; 6 repeats allowed; A-F only; prereq 90 cr or Grad Student or instr consent ; maximum 6 credits allowed between SOC 4395 and CRIM 4395)  
 67069-001 LEC, 05:00pm-07:40pm W, H 314; Gaarder, Emily, 1-3 cr; T: Critical Criminologies

**4399-Honors Project Criminology**

(max crs 16; A-F only; prereq 90 cr, approval by dept honors program director, no grad school credit, maximum 8 credits allowed between SOC 4999 and CRIM 4399; meets HON req of Honors)  
 63857-001 DRS; Weidner, Robert R, 1-8 cr

**4910-Teaching Assistantship in Criminology**

(max crs 3; 3 repeats allowed; A-F only; prereq 60 cr, instr consent , no grad credit, maximum 3 credits allowed between SOC 4997, SOC 4910 and CRIM 4397, CRIM 4910)  
 63856-001 PRC; Arthur, John A, 1-3 cr

**8600-Practicum in Criminology**

(max crs 15; 3 repeats allowed; S-N only; prereq Grad student or instr consent)  
 62368-001 FWK; Maahs, Jeffrey Robert, 1-15 cr

**8777-Thesis Credits: Master's**

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))  
 62369-001 THE; Maahs, Jeffrey Robert, 1-18 cr

**8900-Directed Readings**

(max crs 6; 6 repeats allowed; A-F only; prereq Grad student or instr consent)  
 62370-001 DRD; Maahs, Jeffrey Robert, 1-6 cr

**CULTURAL STUDIES (CST)**

228 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
 218/726-7801, <http://www.d.umn.edu/socanth/>

**College of Liberal Arts**

**1101-Introduction to Cultural Studies**

(A-F only; meets DLE req of Cultural Diversity in the US; meets LE req of LE CAT8)

62224-001 LEC, 01:00pm-02:50pm TTh, H 403; CE Reserve Seats are available to all UMD students on 01/15/2013.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Emad, Mitra C, 4 cr

**3030-Science Fiction**

(A-F only; prereq Min 30 cr)

64211-350 LEC; (Open CE reserved seats will be available to UMD students on 01/15/2013.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Bacig, Thomas D, 3 cr

**3040-The Music and Lives of the Beaties**

(A-F only; prereq Min 30 cr)

64212-350 LEC; (Open CE reserved seats will be available to UMD students on 01/15/2013.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Gallian, Joseph A, 3 cr

**3095-Special Topics: (Various Titles to be Assigned)**

(max crs 8; A-F only; prereq min 30 cr)  
 67531-001 LEC, 02:00pm-03:50pm MW, Cina 214; Milun, Kathryn Ann, 4 cr; T:The City in Film  
 67309-090 LEC, 05:00pm-08:30pm Th, Cina 202; Open CE reserved seats will be available to UMD students one week before the start of the semester.; 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Angelos, Peter Jason; Emad, Mitra C, 4 cr; T: The Trauma Body

**4653-Cultural Studies Senior Seminar/Capstone**

(A-F only; prereq 1101, CSt minor, no Grad School cr)

61994-001 LEC, 11:00am-01:30pm W, H 468; Remaining 60 minutes are spent in a lab or on field trips.; Emad, Mitra C, 4 cr

**4691-Independent Study in Cultural Studies**

(max crs 8; A-F only; prereq instr consent)

61853-001 IND; Emad, Mitra C, 1-4 cr

**4910-Teaching Assistant in Cultural Studies**

(max crs 3; 3 repeats allowed; A-F; prereq Min 60 cr, instr consent , no Grad School cr; maximum 3 credits between CST 4910 and CST 4997)

66666-001 PRC; Emad, Mitra C, 1-3 cr

**DANCE (DN)**

141 MPAC, 1215 Ordean Court, School of Fine Arts, Duluth, MN, 55812-3011

218/726-8562, <http://www.d.umn.edu/theatre/>

**School of Fine Arts**

**1011-Tap Dance Fundamentals**

(max crs 4; A-F only; meets LE req of LE CAT10)

68018-001 STU, 08:30am-09:40am MWF, MPAC 21; Grusendorf, Kelly Ann, 2 cr

**1111-Jazz Dance Technique I**

(max crs 8; 4 repeats allowed; A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT10)

62019-001 STU, 03:00pm-04:10pm MWF, MPAC 155; Grusendorf, Kelly Ann, 2 cr

62159-002 STU, 04:00pm-05:45pm TTh, MPAC 155; Grusendorf, Kelly Ann, 2 cr

**1131-Ballet Technique I**

(max crs 12; 6 repeats allowed; A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT10)

60956-001 STU, 08:00am-09:45am TTh, MPAC 155; White, LilaAnn Coates, 2 cr

61850-002 STU, 10:00am-11:45am TTh, MPAC 155; White, LilaAnn Coates, 2 cr

**2101-Physical Conditioning for Dance**

(max crs 3; 3 repeats allowed; A-F only; prereq Completion of one 1xxx Dance course or instructor consent)

68736-001 STU, 02:45pm-03:30pm MWF, MPAC 21; White, LilaAnn Coates, 1 cr

**3201-Modern Dance Technique II**

(max crs 12; 6 repeats allowed; A-F only; prereq instr consent)

62657-001 STU, 12:00pm-01:10pm MWF, MPAC 155; Katz Harwood, Rebecca, 2 cr

**3211-Jazz Dance Technique II**

(max crs 18; 9 repeats allowed; A-F only; prereq instr consent)

61846-001 STU, 12:00pm-01:45pm TTh, MPAC 155; Bergeron, Ann Aiko, 2 cr

**3221-Tap Dance Technique II**

(max crs 8; 4 repeats allowed; A-F only; prereq 1121 or instr consent)

60959-001 STU, 01:30pm-02:40pm MWF, MPAC 21; Bergeron, Ann Aiko, 2 cr

**3231-Ballet Technique II**

(max crs 12; 6 repeats allowed; A-F only; prereq instr consent)

62571-001 STU, 01:30pm-02:40pm MWF, MPAC 155; White, LilaAnn Coates, 2 cr

**3401-Dance Composition**

(A-F only; prereq instr consent)

62572-001 STU, 10:00am-11:50am TTh, MPAC 21; Katz Harwood, Rebecca, 3 cr

**3991-Independent Study in Dance**

(max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; undergrads may not take more than 6 cr in 3991 and 5991 combined)

62180-001 IND; Katz Harwood, Rebecca; Bergeron, Ann Aiko, 1-3 cr

**4116-Musical Theatre Audition Techniques**

(A-F only; prereq instr consent , no Grad School cr)

62020-001 STU, 10:00am-11:15am MWF, MPAC 49; Katz Harwood, Rebecca; , 3 cr

**4331-Ballet Technique III**

(max crs 12; 6 repeats allowed; A-F only; prereq 3231, instr consent ; no Grad School cr)

62385-001 STU, 02:00pm-03:45pm TTh, MPAC 155; White, LilaAnn Coates, 2 cr

**4901-Intern Teaching Dance**

(max crs 6; 3 repeats allowed; A-F only; prereq 3201 or 3211 or 3221 or 3231, instr consent ; no Grad School cr)

61963-001 DIS; Bergeron, Ann Aiko; Katz Harwood, Rebecca, 2 cr

**5991-Independent Study in Dance**

(max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; undergrads max 6 cr in 3991 and 5991 combined; no Grad School cr)

62181-001 IND; Bergeron, Ann Aiko; Katz Harwood, Rebecca, 1-3 cr

**5997-Internship in Professional Dance**

(max crs 12; 12 repeats allowed; A-F only; prereq dept consent ; 1 cr for each 45 hrs of work; no Grad School credit)

60966-001 IEX; Bergeron, Ann Aiko; Katz Harwood, Rebecca, 1-12 cr

**EARLY CHILDHOOD STUDIES**

**(ECh)**

150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN, 55812-3029  
218/726-7233, <http://www.d.umn.edu/educ/>

**College of Education & Human Service Professions**

**2015-Literature for Young Children**

(A-F only)  
63282-001 LEC, 03:00pm-05:50pm W, EduE 16; Blyckert, Judith Ann, 3 cr

**2025-Educating the Human Brain**

(A-F only; meets DLE req of Social Sciences)  
63880-001 LEC, 11:00am-11:50am TTh, EduE 51; Additional course hours will be required in an on-line learning environment.; Harney, Molly A, 3 cr  
63881-002 LEC, 12:00pm-12:50pm TTh, EduE 51; Additional course hours will be required in an on-line learning environment.; Harney, Molly A, 3 cr  
65488-003 LEC, 01:00pm-01:50pm TTh, EduE 51; Additional course hours will be required in an online learning environment.; Blyckert, Judith Ann, 3 cr

**3021-Teaching Mathematics: Birth-Age Eight**

(A-F only; prereq Admission to the ECh program)  
62534-001 LEC, 11:00am-12:50pm TTh, MonH 121; Wohlfuter, Kay A., 4 cr

**3022-Literacy for Young Children: Teaching Reading, Writing, Speaking, and Listening**

(A-F only; prereq Admission to the ECh program)  
62535-001 LEC, 01:00pm-02:50pm MW, EduE 51; Blyckert, Judith Ann, 4 cr

**3030-Inquiry, Social Studies, and Science Learning: Birth-Age Eight**

(prereq ECh major, 2010, 3010. Concurrent registration is required (or allowed) in 3020, 4011 and SpEd 3105)  
61442-001 LEC, 08:00am-10:50am MW, EduE 51; (Practicum arr); Ruark, Elizabeth Ann, 5 cr

**3050-Observing and Guiding Behavior: Birth-Age Eight**

(prereq UECh major, 2010, Concurrent registration is required (or allowed) in the following: 3010, SpEd 3103)  
61459-001 LEC, 04:00pm-07:00pm T, ChPk 124; Additional 1 hr of work required in an on-line learning environment each week, plus practicum arr.; , 4 cr

**3055-Creative Expressions and Emergent Literacy: Birth - Age 8**

(A-F only; prereq Admission to the UECh program)  
62334-001 LEC, 09:00am-11:50am F, EduE 51; Additional course hours will be required in an on-line learning environment.; Onchwari, Jacqueline Ariri, 4 cr

**3060-Teaching Culturally and Linguistically Diverse Children**

(A-F only; prereq Admission to the ECh program or instr consent)  
63387-001 LEC, instruction mode: Distance Education Other; Course will be conducted in an on-line learning environment.; Onchwari, Jacqueline Ariri, 3 cr

**3104-Family Partnerships**

(A-F only; prereq Admission to the UECh program)  
63115-001 PRC, 11:00am-11:50am W, MonH 121; Marchel, Mary A, 1 cr

**4009-Leadership in Early Childhood Studies**

(A-F only; prereq Admission to UECh program; no Grad School cr.)  
62754-001 LEC, 02:00pm-05:00pm S, EduE 51, 04/13/13-04/13/13, 02:00pm-05:00pm S, EduE 51, 04/20/13-04/20/13, 02:00pm-05:00pm S, EduE 51, 04/27/13-04/27/13, 02:00pm-05:00pm S, EduE 51, 05/04/13-05/04/13, instruction mode: Distance Education Other; Course meets on Saturday, Apr. 13, Apr. 20, Apr. 27, and May 4, 2013, with remaining course hours required in an online learning environment.; , 3 cr

**4400-Professional Development Seminar**

(max crs 3; 3 repeats allowed; A-F only; prereq instr consent ; no Grad School cr)  
61756-001 DIS, 01:00pm-01:50pm W, KPlz 385; (Block 1 students only); Harney, Molly A, 1 cr  
61779-002 DIS, 01:00pm-01:50pm Th, MonH 151; (Block 3 students only); Harney, Molly A, 1 cr

**4600-Student Teaching in Early Childhood/Primary**

(max crs 12; S-N; prereq 3005, 3007 or instr consent ; no Grad School cr)  
61457-001 PRC; , 12 cr  
62131-002 PRC; , 12 cr  
62132-003 PRC; , 12 cr  
62133-004 PRC; , 12 cr  
62134-005 PRC, 6 cr

62157-006 PRC, 6 cr  
62704-007 PRC; , 6 cr  
65489-450 PRC, 12 cr  
65490-451 PRC, 6 cr  
65491-452 PRC, 6 cr

**4610-Professional Issues Seminar in Early Childhood Education**

(prereq ? 4600; no Grad School cr)  
68191-450 LEC S, Room TBA; Marchel, Mary A, 1 cr

**4991-Independent Study**

(max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; no Grad School cr)  
61458-001 IND, 1-6 cr  
63207-002 IND, 1-6 cr

**ECONOMICS (Econ)**

330A LSBE, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812-3011  
218/726-7284, <http://lsbe.d.umn.edu/economics/economics.php>

**Labovitz School of Business & Economics**

**1003-Economics and Society**

(A-F only; prereq Cannot apply cr to econ major or minor or BAc or BBA majors; meets DLE req of Social Sciences; meets LE req of LE CAT8)  
61732-001 LEC, 03:00pm-04:15pm MW, LSBE 118; Lichty, Richard W, 3 cr

**1022-Principles of Economics: Macro**

(A-F only; prereq Min 15 cr or dept consent; meets DLE req of Social Sciences; meets LE req of LE CAT6)  
63565-001 LEC, 10:00am-10:50am MWF, LSBE 118; Donayre, Luigi, 3 cr  
62111-002 LEC, 12:00pm-12:50pm MWF, LSBE 118; Donayre, Luigi, 3 cr  
60949-003 LEC, 09:30am-10:45am TTh, LSBE 118; Taivan, Ariuna, 3 cr  
60950-004 LEC, 06:00pm-08:40pm M, LSBE 118; Seelos, Timothy J, 3 cr

**1023-Principles of Economics: Micro**

(A-F only; prereq Min 15 cr or dept consent; meets DLE req of Social Sciences; meets LE req of LE CAT6)  
60951-001 LEC, 01:00pm-01:50pm MWF, LSBE 118; Watanabe, Hiroki, 3 cr  
60952-002 LEC, 11:00am-12:15pm TTh, LSBE 118; Buyukeren, Akin Gagatay, 3 cr  
61749-003 LEC, 05:00pm-06:15pm TTh, LSBE 118; Watanabe, Hiroki, 3 cr

**2030-Applied Statistics for Business and Economics**

(A-F only; prereq min 30 cr; credit will not be granted if already received for Econ 2020, Stat 1411, Stat 2411, Stat 3611, Soc 3151, Psy 3020; meets DLE req of Logic & Quantitative Reasoning)  
61998-001 LEC, 11:00am-11:50am MWF, LSBE 129; (LSBE students); Meets with: 61999 ECON 2030, 62000 ECON 2030; McIntosh, Christopher Richard, 3 cr  
61999-002 LEC, 11:00am-11:50am MWF, LSBE 129; (Econ majors or minors); Meets with: 61998 ECON 2030, 62000 ECON 2030; McIntosh, Christopher Richard, 3 cr  
62000-003 LEC, 11:00am-11:50am MWF, LSBE 129; (Non-LSBE Bus Adm or Acct minors); Meets with: 61998 ECON 2030, 61999 ECON 2030; McIntosh, Christopher Richard, 3 cr  
62001-004 LEC, 03:30pm-04:45pm TTh, LSBE 229; (LSBE students, Econ majors or minors, non-LSBE bus Adm or Acct minors); Nene, Gibson, 3 cr  
62004-007 LEC, 02:00pm-03:15pm TTh, LSBE 125; (LSBE students); Meets with: 62005 ECON 2030, 62006 ECON 2030; Buyukeren, Akin Gagatay, 3 cr  
62005-008 LEC, 02:00pm-03:15pm TTh, LSBE 125; (Econ majors or minors); Meets with: 62004 ECON 2030, 62006 ECON 2030; Buyukeren, Akin Gagatay, 3 cr  
62006-009 LEC, 02:00pm-03:15pm TTh, LSBE 125; (Non-LSBE Bus Adm or Acct minors); Meets with: 62004 ECON 2030, 62005 ECON 2030; Buyukeren, Akin Gagatay, 3 cr  
67529-010 LEC, 08:00am-08:50am MWF, LSBE 125; (LSBE students, Econ majors or minors, non-LSBE Bus Adm or Acct minors); Nene, Gibson, 3 cr

**3022-Macroeconomic Analysis**

(A-F only; prereq 1022, 1023, Math 1160 or Math 1296, Econ major or minor or LSBE cand)  
63377-001 LEC, 02:00pm-03:15pm TTh, LSBE 225; Taivan, Ariuna, 3 cr

**3023-Microeconomic Analysis**

(A-F only; prereq 1022, 1023, Math 1160 or Math 1296, Econ major or minor or LSBE cand)  
62327-001 LEC, 11:00am-12:15pm TTh, LSBE 129; Watanabe, Hiroki, 3 cr

**3030-Economic Research Methodology**

(A-F only; prereq 1022, 1023, (2030 or Stat 3611), Math

1160 or Math 1296, Econ major or minor or LSBE cand)  
66238-001 LEC, 03:30pm-04:45pm TTh, LSBE 233; Wilmot, Neil A, 3 cr

**3031-History of Economic Thought**

(A-F only; prereq 1003 or 1022, 1023; meets LE req of LE CAT7)  
66239-001 LEC, 09:30am-10:45am TTh, LSBE 135; O'Brien, A. Maureen, 3 cr

**3150-Development Economics**

(A-F only; prereq 1022, 1023)  
62117-001 LEC, 09:30am-10:45am TTh, LSBE 129; Nene, Gibson, 3 cr

**3777-Environmental Economics**

(A-F only; prereq 1023, preferred but not required: 3023; credit will not be granted if already received for ECON 4777)  
66240-001 LEC, 02:00pm-02:50pm MWF, LSBE 125; McIntosh, Christopher Richard, 3 cr

**3910-Economics of Health Care**

(A-F only; prereq 1022, 1023, Econ major or minor or LSBE cand)  
62256-001 LEC, 12:00pm-12:50pm MWF, LSBE 125; Schultz, Jennifer, 3 cr

**4040-Tools: Applications of Economic Analysis**

(A-F only; prereq 3030 or Stat 5511)  
64087-001 LEC, 12:30pm-01:45pm TTh, LSBE 165; Wilmot, Neil A, 3 cr

**4059-Senior Seminar**

(A-F only; prereq Econ major with 90 credits or more; no Grad cr.)  
63383-001 SEM, 05:00pm-06:15pm TTh, LSBE 135; TOPIC: Transportation; Buyukeren, Akin Gagatay, 3 cr

**4315-Monetary Theory and Policy**

(A-F only; prereq 3022)  
66264-001 LEC, 02:00pm-02:50pm MWF, LSBE 233; Donayre, Luigi, 3 cr

**4397-Economics Internship**

(Credit will not be granted if credit has been received for: ECON 4497; S-N; prereq Econ major, 3022, 3023, instr consent ; no grad cr)  
61627-001 IEX; O'Brien, A. Maureen, 3 cr

**4512-Firm Decision and Strategy**

(A-F only; prereq 3023, 3030 or STAT 5511; no grad school credit)  
66266-001 LEC, 09:00am-09:50am MWF, LSBE 165; McIntosh, Christopher Richard, 3 cr

**4991-Independent Study**

(max crs 6; 6 repeats allowed; A-F only; prereq Econ major, 12 cr of Econ 3xxx or above, instr consent)  
60948-001 IND; O'Brien, A. Maureen, 1-6 cr

**EDUCATION (Educ)**

150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN, 55812-3029  
218/726-7233, <http://www.d.umn.edu/educ/>

**College of Education & Human Service Professions**

**1000-Human Development**

(A-F only)  
61462-001 LEC, 08:00am-09:15am TTh, EduE 51; Dietrich, Jane Ellen, 3 cr  
61463-002 LEC, 11:00am-11:50am MWF, MonH 151; Dietrich, Jane Ellen, 3 cr

**1100-Human Diversity**

(A-F only; meets DLE req of Cultural Diversity in the US; meets LE req of LE CAT8; meets LECD req of LECD CAT08)  
61193-001 LEC, 03:30pm-04:45pm TTh, MonH 203; Mweti, Chang'aa, 3 cr  
61456-002 LEC; , 3 cr

**1101-Education in Modern Society**

(A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)  
61460-001 LEC, 02:00pm-02:50pm MWF, MonH 80; , 3 cr  
61461-002 LEC, 04:00pm-06:50pm T, MonH 80; Giuczinski, Daniel Joseph, 3 cr

**1201-Managing Planet Earth**

(A-F only; meets DLE req of Sustainability; meets LE req of LE CAT8)  
61494-200 INI; (Open CE reserved seats will be available to UMD students on 01/15/13); 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Boman, Thomas G, 3 cr  
67266-350 LEC; (Open CE reserved seats will be available to UMD students on 01/15/2013.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Ruark, Elizabeth Ann, 3 cr

**2000-Technology for Teaching and Learning**

(A-F only; prereq minimum 12 credits)  
 66398-001 LEC, 02:00pm-02:50pm TTh, KPlz 143; Additional course hours will be required in an online learning environment.; Shannon, Terrie M, 3 cr  
 66399-002 LEC, 03:00pm-04:50pm M, Engr 204; Additional course hours will be required in an online learning environment.; Shannon, Terrie M, 3 cr

**2302-Topics in Academic Reading II**

(max crs 6; A-F only; prereq This course was previously listed as LANG 2302; maximum of 6 credits between EDUC 2302 and LANG 2302)  
 63882-001 LEC, 03:30pm-04:45pm TTh, LSBE 265; Krueger, Antonia S, 3 cr

**2304-Editing for Writers**

(max crs 4; A-F only; prereq This course was previously listed as LANG 2304; maximum of 4 credits between EDUC 2304 and LANG 2304)  
 63883-001 WKS, 02:00pm-02:50pm TTh, DAdB 16A; Krueger, Antonia S, 2 cr  
 63884-002 WKS, 11:00am-11:50am TTh, H 464; Murie, Robin Kristie, 2 cr

**3381-Teaching American Indian Students in the Elementary Classroom**

(A-F only; prereq Elementary education major; credit will not be granted if already received for ELED 3381)  
 65496-001 LEC, 03:30pm-05:10pm T, EduE 16; , 2 cr

**3412-The Computer in Education**

(max crs 6; 6 repeats allowed; A-F only; prereq Pre educ or educ majors or cand)  
 61467-001 LEC, 01:00pm-02:50pm MW, MonH 209; McCarthy PhD, David Albert, 4 cr  
 61468-002 LEC, 03:00pm-04:50pm MW, MonH 239; McCarthy PhD, David Albert, 4 cr  
 61899-003 LEC, 08:30am-04:00pm MTWThF, MonH 239, 01/02/13-01/18/13; (Special term: Jan. 2-11, 2013); McCarthy PhD, David Albert, 4 cr  
 62536-090 LEC, 05:00pm-08:50pm T, MonH 239; Open CE reserved seats will be available to UMD students on 01/15/2013.; 4 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Meets with: 61733 EDUC 5412; McCarthy PhD, David Albert, 4 cr

**4040-World Language Teaching Methods**

(Credit will not be granted if credit has been received for: LANG 4044; A-F only; prereq FR 2301 or GER 2301 or SPAN 2301 or equivalent, admission to EdSe program or instr consent ; grad credit; credit will not be granted if already received for LANG 4044)  
 64616-001 LEC, 05:00pm-09:00pm M, MonH 208; Blyckert, Judith Ann, 4 cr

**4226-Geometry for Teachers in Grades 5-8**

(A-F only; prereq Math 1141 or 1296)  
 62344-001 LEC, 06:00pm-08:50pm T, MonH 121; Wohlhuter, Kay A., 3 cr

**4234-Science, Technology, and Society**

(A-F only; prereq Min 30 cr, no Grad School cr; meets DLE req of Sustainability)  
 61734-001 LEC, 03:30pm-04:45pm TTh, MonH 151; Kwako, Joan, 3 cr

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

(A-F only; prereq IESE candiate, 3326; no grad credit; credit will not be granted if already received for ELED 4347)  
 65498-001 LEC; Course will meet in an online learning environment.; Johnson, Christopher William, 2 cr

**4381-Teaching Indigenous Students**

(A-F only; prereq EDSE 4100; no Grad School cr; credit will not be granted if already received for EDUC 5381.)  
 61493-001 LEC, 08:00am-09:15am TTh, EduE 17; Additional course hours will be required in an online learning environment.; McInnes, Brian D, 2 cr  
 63557-002 LEC, instruction mode: Distance Education Other; (Course will be conducted in an on-line learning environment.) This course will require a weekly online meeting from 8-9:15 pm each Wednesday night of the semester.; , 2 cr

**4500-Professional Issues and Ethics**

(A-F only; prereq Admission to the elementary education program, successful completion of courses in block one and block two, no Grad School cr)  
 61464-001 LEC, 05:00pm-06:50pm M, EduE 16; Course meets 5:00-6:50 pm first Monday of semester-remainder of course hours completed in an on-line learning environment.; , 1 cr  
 61465-002 LEC; Course will meet in an on-line learning environment, with an electronic meeting from 8:00-9:15 pm each Thursday night of the semester.; , 1 cr  
 61466-003 LEC; Course will be conducted in an on-line learn-

ing environment, with an electronic meeting from 8:00-9:15 pm each Wednesday of the semester.; , 1 cr

**4650-Student Teaching in Parent Education**

(max crs 3; S-N only; prereq Admission to parent ed program; no Grad School cr)  
 65473-001 PRC, 1-3 cr  
 65474-002 PRC, 1-3 cr

**4991-Independent Study**

(max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; no Grad School cr)  
 61495-001 IND; , 0.50-3 cr

**5412-The Computer in Education**

(max crs 6; 6 repeats allowed; A-F only)  
 61733-090 LEC, 05:00pm-08:50pm T, MonH 239; Meets with Educ 3412-90. (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education - EXPIRES 14-JAN-2013; Meets with: 62536 EDUC 3412; McCarthy PhD, David Albert, 4 cr

**5413-Teaching With Technology**

(A-F only; prereq 3412 or 5412, min 60 cr or coll grad or instr consent)  
 62437-001 LEC, 05:00pm-08:50pm Th, Engr 204; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Shannon, Terrie M, 4 cr

**5415-Teaching Online and Hybrid Courses**

(A-F only; prereq Min 60 cr or coll grad, 3412 or 5412, 5413, 5414 or instr consent)  
 61959-090 LEC, 05:00pm-08:50pm W, Engr 204; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 5 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Shannon, Terrie M, 4 cr

**5560-Current Research and Issues in Science Education**

(max crs 6; 3 repeats allowed; A-F only; prereq MEd student; offered summer only, instr consent)  
 62663-001 LEC; Zak, Kevin Michael, 2-3 cr

**5600-Practicum in Education**

(max crs 12; 12 repeats allowed; S-N only)  
 67512-731 PRC; Walewski, Joseph W, 2 cr

**5991-Independent Study**

(max crs 8; 8 repeats allowed; A-F only; prereq Instructor consent)  
 61496-001 IND; Han, Insoon, 0.50-4 cr  
 62310-002 IND, 0.50-4 cr  
 64583-003 IND, 0.50-4 cr

**7001-Introduction to Graduate Study**

(A-F only; prereq MEd candidate or instr consent ; credit will not be granted if already received for EHS 7001)  
 63381-015 LEC, 08:30am-04:00pm S, MonH 121, 01/26/13-01/26/13; Registration for Cohort 22 only. Course meets Saturday, January 26, 2013, with remaining course hours required in an on-line learning environment.; Blyckert, Judith Ann, 2 cr

**7002-Human Diversity and Exceptionality**

(A-F only; prereq MEd candidate or instr consent ; credit will not be granted if already received for EHS 7002)  
 63577-010 LEC, 08:30am-04:00pm S, MonH 151, 01/26/13-01/26/13; Registration for Cohort 21 only. Course meets on Saturday, Jan. 26, 2013, with remaining course hours required in an online learning environment.; Hazareesingh, Nedra A, 2 cr

**7004-Foundations of Educational Research**

(A-F only; prereq M.SpEd student or MEd student or instr consent ; credit will not be granted if already received for EHS 7004)  
 62241-010 LEC, 08:30am-04:00pm Su, MonH 151, 01/27/13-01/27/13, instruction mode: Distance Education and On-Site; Registration for Cohort 21 only. Course meets on Sunday, Jan. 27, 2013, with remaining course hours required in an on-line learning environment.; Johnson, Christopher William, 4 cr

**7006-Ethics and Professionalism in Education**

(A-F only; prereq MEd cand or instr consent ; credit will not be granted if already received for EHS 7006)  
 65475-020 LEC, 08:30am-04:00pm S, EduE 17, 02/02/13-02/02/13; Registration for Cohort 19 only. Course will meet on Saturday, Feb. 2, 2013, with remaining course hours required in an online learning environment.; Gulbrandsen, Frank A, 2 cr

**7008-Foundations of Teaching and Learning: Curriculum Theory and Design**

(A-F only; prereq MEd student or instr consent ; credit will not be granted if already received for EHS 7008)  
 63382-015 LEC, 08:30am-04:00pm Su, MonH 121, 01/27/13-01/27/13; Registration for Cohort 22 only. Course meets Sunday, January 27, 2013, with

remaining course hours required in an on-line learning environment.; Brice, Lynn M, 4 cr

**7009-Assessment of Learning**

(max crs 12; 4 repeats allowed; A-F only; prereq MEd candidate; credit will not be granted if already received for EHS 7009)  
 64093-025 LEC, 08:30am-04:00pm Su, EduE 51, 02/03/13-02/03/13; Registration for Cohort 20 only. Course will meet on Sunday, Feb. 3, 2013, with remaining course hours required in an on-line learning environment.; Williams, Julia M., 3 cr

**7011-Integrated Research in Practice**

(A-F only; prereq 7004 or instr consent)  
 64094-025 DIS, 08:30am-04:00pm S, EduE 51, 02/02/13-02/02/13; Registration for Cohort 20 only. Course will meet on Saturday, Feb. 2, 2013, with remaining course hours required in an on-line learning environment.; Zak, Kevin Michael, 3 cr

**8016-Theory and Practice of Qualitative Research Methods**

(A-F; prereq 8015 or equivalent, Ed.D. majors or instr consent)  
 65476-001 LEC, 08:00am-02:30pm S, MonH 121, 02/02/13-02/02/13, 08:00am-02:30pm S, MonH 121, 03/02/13-03/02/13, 08:00am-02:30pm S, MonH 121, 04/06/13-04/06/13, 08:00am-02:30pm S, MonH 121, 05/04/13-05/04/13; Registration for EdD Cohort 3 only. Course will meet on Saturday, Feb. 2, Mar. 2, Apr. 6, and May 4, 2013, with the remaining course hours required in an online learning environment.; Marchel, Mary A, 3 cr

**8020-Doctoral Seminar**

(max crs 6; 6 repeats allowed; S-N; prereq Ed.D. majors)  
 62784-001 SEM, 02:45pm-06:00pm S, MonH 121, 02/02/13-02/02/13, 02:45pm-06:00pm S, MonH 121, 03/02/13-03/02/13, 02:45pm-06:00pm S, MonH 121, 04/06/13-04/06/13, 02:45pm-06:00pm S, MonH 121, 05/04/13-05/04/13; Registration for EdD Cohort 3 only. Course meets on Saturday, Feb. 2, Mar. 2, Apr. 6, May 4, 2013, with remaining course hours required in an on-line learning environment.; Brice, Lynn M, 1 cr

**8021-Theories, Principles, and Methodology of Assessment in Organizational Systems**

(A-F; prereq Ed.D. majors)  
 65477-001 SEM, 08:00am-02:30pm Su, MonH 121, 02/03/13-02/03/13, 08:00am-02:30pm Su, MonH 121, 03/03/13-03/03/13, 08:00am-02:30pm Su, MonH 121, 04/07/13-04/07/13, 08:00am-02:30pm Su, MonH 121, 05/05/13-05/05/13; Registration for EdD Cohort 3 only. Course will meet on Saturday, Feb. 3, Mar. 3, Apr. 7, May 5, 2013, with remaining course hours required in an online learning environment.; Williams, Julia M., 3 cr

**8888-Thesis Credit: Doctoral**

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
 63578-001 THE; Registration for EdD Cohort 1 only.; Strand, Joyce, 1-24 cr  
 65472-002 THE; Registration for EdD Cohort 2 only.; Strand, Joyce, 1-24 cr

**EDUCATIONAL ADMINISTRATION (EdAd)**

120 MonH150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN, 55812-3029  
 218/726-7233, <http://www.d.umn.edu/educ/>

**College of Education & Human Service Professions**

**5920-Problem Solving for Principals: Student Discipline and Behavior Management**

(A-F only; prereq EdAd lic program or collegiate graduate program admission or instr consent , no Grad School cr)  
 65492-001 LEC, 08:30am-12:00pm S, EduE 16, 01/26/13-01/26/13, 08:30am-12:00pm S, EduE 16, 03/02/13-03/02/13, 08:30am-12:00pm S, EduE 16, 04/20/13-04/20/13; Course meets on Saturday, Jan. 26, Mar. 2, and Apr. 20, 2013, with remaining course hours required in an online learning environment.; Rauschenfels, Diane Jane, 3 cr

**5922-Problem Solving for Superintendents**

(A-F only; prereq EdAd lic program or collegiate grad program admission or instr consent , no Grad School cr)  
 63569-001 LEC, instruction mode: Distance Education Other; Course meets in an on-line learning environment.; , 3 cr

**5923-Field Exploration**

(S-N; prereq EdAd lic program or collegiate grad program admission or instr consent , no Grad School cr)



64039-001 LEC; , 2 cr

**5997-Professional Competency Assessment:Principals**  
(A-F only; prereq EdAd lic program or collegiate graduate program admission or instr consent ; no Grad School cr)

63407-001 LEC, instruction mode: Distance Education Other; Course will meet in an on-line learning environment.; Rauschenfels, Diane Jane, 1 cr

**5998-Professional Competency Assessment: Superintendents**  
(A-F only; prereq EdAd Lic program ro collegiate graduate program admission or instr consent , no Grad School cr)

63570-001 LEC, instruction mode: Distance Education Other; Course will meet in an on-line learning environment.; Rauschenfels, Diane Jane, 1 cr

**6990-Internship in Teaching for Administrators**  
(max crs 9; 3 repeats allowed; A-F only; prereq Admission to the Ed Ad program)

63854-001 IEX; , 3 cr

**6997-Internship: Principals**  
(S-N; prereq EdAd lic program or collegiate graduate program or instr consent , no Grad School cr)

65493-001 IEX, 6 cr

**6998-Internship: Superintendents**  
(S-N; prereq EdAd lic program or collegiate graduate program admission or instr consent ; no Grad School cr)

63571-001 IEX; Rauschenfels, Diane Jane, 6 cr

**6999-Internship: Principals Additional Field**  
(A-F only; prereq EdAd lic program or collegiate graduate program admission or instr consent ; no Grad School cr)

64040-001 PRC; Rauschenfels, Diane Jane, 4 cr

**EDUCATION AND HUMAN SERVICE PROFESSIONS (EHS)**

150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN, 55812-3029  
218/726-7233, <http://www.d.umn.edu/educ/>

**College of Education & Human Service Professions**

**799-CEHSP Masters Active Status**  
(20 repeats allowed; NGA; prereq MEd or MSPed students only)

62283-001 IND, 0 cr

**5990-Research Project**  
(S-N)

61716-001 LEC, 08:30am-12:00pm Su, EduE 16, 02/03/13-02/03/13; Registration for Cohort 19 only. Course meets with EHS 5990-2 on Sunday, Feb. 3, 2013, with the remaining course hours required in an online learning environment.; , 6 cr

61717-002 LEC, 08:30am-12:00pm Su, . TBA, 02/03/13-02/03/13; Registration for Cohort 19 only. Course meets with EHS 5990-1 in EduE 16, and will meet on Sunday, Feb. 3, 2013, with the remaining course hours required in an online learning environment.; , 6 cr

61718-003 LEC, 01:00pm-04:00pm Su, EduE 16, 02/03/13-02/03/13; Registration for Cohort 19 only. Course meets with EHS 5990-4, and meets on Sunday, Feb. 3, 2013, with the remaining course hours required in an online learning environment.; Brice, Lynn M, 6 cr

61719-004 LEC, 01:00pm-04:00pm Su, . TBA, 02/03/13-02/03/13; Registration for Cohort 19 only. Course meets with EHS 5990-3 in EduE 16, and will meet on Sunday, Feb. 3, 2013, with the remaining course hours required in an online learning environment.; , 6 cr

62476-005 LEC; Gilbertson, Ken Lloyd, 6 cr

63285-006 LEC; Ernst, Julie Ann, 6 cr

63969-007 LEC; Munson, Bruce H, 6 cr

65484-008 LEC; Zmudy PhD, Mark Howard, 6 cr

68186-009 LEC; Beery, Thomas H., 6 cr

**EDUCATION, SECONDARY (EdSe)**

150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN, 55812-3029  
218/726-7233, <http://www.d.umn.edu/educ/>

**College of Education & Human Service Professions**

**3204-Designing Learning Environments and Lessons**  
(A-F only; prereq Admission to EdSe program)

63287-001 PRC, 08:00am-09:50am MW, EduE 16; Additional course hours will be required in an on-line learning environment.; Pepelnjak, Erin Kay, 3 cr

63288-002 PRC, 02:00pm-03:50pm MW, MonH 121; Additional course hours will be required in an on-line learning environment.; Pepelnjak, Erin Kay, 3 cr

**3206-Apprenticeship: Secondary School**  
(A-F only; prereq Admission to EdSe program, Concurrent registration is required (or allowed) in 3204)

61469-001 PRC, 08:00am-08:50am MW, MonH 121; , 2 cr

61789-002 PRC, 01:00pm-01:50pm MW, MonH 121; Pepelnjak, Erin Kay, 2 cr

**4100-Teaching in a Diverse Society**  
(A-F only; prereq Admission to EdSe program)

61470-001 LEC; Course will meet in an online learning environment, with a required electronic meeting from 5:00-6:30 pm each Tuesday night of the semester.; Torres, Jill, 3 cr

61471-002 LEC, instruction mode: Distance Education Other; Course will meet in an on-line learning environment, with a required electronic meeting from 5:00-6:30 p.m. each Monday night of the semester.; Torres, Jill, 3 cr

**4214-Teaching Content-Area Reading**  
(Credit will not be granted if credit has been received for: EDSE 4215, EDSE 4212; A-F only)

62200-002 LEC, 02:00pm-02:50pm MWF, EduE 16; Johnson, Christopher William, 2 cr

**4215-Teaching Reading and Literature: Grades 5-12**  
(Credit will not be granted if credit has been received for: EDSE 4212, EDSE 4214; A-F only; prereq Major, minor or pre teaching comm arts/lit students)

63116-001 LEC, 04:00pm-06:15pm TTh, MonH 208; , 5 cr

**4244-Teaching Social Studies: Grades 5-12**  
(A-F only; prereq Admission to EdSe program, 3204 or instr consent ; no Grad School cr)

61474-001 LEC, 04:00pm-06:40pm W, MonH 121; , 3 cr

**4255-Teaching Science: Grades 5-12**  
(A-F only; prereq Admission to EdSe program, 3204 or instr consent ; no Grad School cr)

65494-001 LEC, 02:00pm-03:50pm MW, MonH 151; Zak, Kevin Michael, 3 cr

**4501-Educational Psychology**  
(A-F only; prereq Admission to EdSe program; no Grad School cr)

61472-001 LEC, 08:00am-09:15am TTh, MonH 121; Additional course hours required in an on-line learning environment.; Glisczinski, Daniel Joseph, 3 cr

61473-002 LEC, 01:00pm-01:50pm MWF, EduE 17; Additional course hours required in an on-line learning environment.; Glisczinski, Daniel Joseph, 3 cr

**4525-Assessment for Secondary Education Majors**  
(A-F; prereq No Grad School cr)

63283-001 LEC, 09:30am-10:45am TTh, EduE 17; Additional course hours will be required in an on-line learning environment.; Williams, Julia M., 3 cr

63284-002 LEC, 02:00pm-03:15pm TTh, EduE 17, instruction mode: Distance Education Other; Additional course hours will be required in an online learning environment.; Williams, Julia M.; Pepelnjak, Erin Kay, 3 cr

**4600-Student Teaching**  
(max crs 12; S-N only; prereq 4100, 4501, appropriate methods course; no Grad School cr)

61655-001 PRC; , 12 cr

61783-002 PRC; , 12 cr

62141-003 PRC; , 12 cr

62142-004 PRC; , 12 cr

62143-005 PRC; , 12 cr

62144-006 PRC; , 12 cr

62145-007 PRC; , 12 cr

62146-008 PRC; , 12 cr

62147-009 PRC; , 12 cr

62148-010 PRC; , 12 cr

62149-011 PRC; , 12 cr

62155-012 PRC; , 6 cr

62298-013 PRC; , 6 cr

62300-014 PRC; , 6 cr

62703-015 PRC; , 6 cr

62710-016 PRC; , 6 cr

62711-017 PRC; , 6 cr

62712-018 PRC; , 6 cr

62713-019 PRC; , 6 cr

62714-020 PRC; , 6 cr

**ELECTRICAL ENGINEERING (EE)**  
271 MWAH, 1023 University Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
218/726-6147, <http://www.d.umn.edu/ece>

**Swenson College of Science & Engineering**

**1315-Digital Logic**  
(A-F only; prereq CE, CHE, CS, EE, IE, ME majors only.)

-001 LEC, 10:00am-10:50am MWF, MWAH 191; Kondrath, Nisha

60886-002 LAB, 09:00am-12:00pm T, MWAH 291; Kondrath, Nisha, 4 cr

60887-003 LAB, 01:00pm-04:00pm T, MWAH 291; Kondrath, Nisha, 4 cr

66265-004 LAB, 4 cr

**2006-Electrical Circuit Analysis**

(A-F only; prereq Phys 2015 (concurrent registration is allowed) Concurrent registration is required (or allowed) in Math 3280)

-001 LEC, 04:00pm-05:15pm TTh, MWAH 191; Norr, Scott R

61492-002 LAB, 09:00am-12:00pm T, MWAH 391; Norr, Scott R, 4 cr

61618-003 LAB, 01:00pm-04:00pm T, MWAH 391; Norr, Scott R, 4 cr

-004 LEC, 03:00pm-03:50pm MWF, MWAH 191; Bai, Jing

62098-005 LAB, 04:00pm-07:00pm M, MWAH 391; Bai, Jing, 4 cr

62687-006 LAB, 04:00pm-07:00pm W, MWAH 391; Bai, Jing, 4 cr

63238-007 LAB, 4 cr

**2111-Linear Systems and Signal Analysis**  
(A-F only; prereq 2006)

-001 LEC, 10:00am-10:50am MWF, KP13 385; Hayee, Imran

60900-002 LAB, 09:00am-12:00pm Th, MWAH 393; Hayee, Imran, 4 cr

60901-003 LAB, 01:00pm-04:00pm Th, MWAH 393; Hayee, Imran, 4 cr

**2212-Electronics I**  
(A-F only; prereq 2006)

-001 LEC, 01:00pm-01:50pm MWF, HH 216; Burns, Stanley G

60904-002 LAB, 10:00am-01:00pm Th, MWAH 391; Burns, Stanley G, 4 cr

60905-003 LAB, 02:00pm-05:00pm Th, MWAH 391; Burns, Stanley G, 4 cr

**2325-Microprocessor Systems**  
(A-F only; prereq 1315)

-001 LEC, 12:00pm-12:50pm MWF, MWAH 191; Carroll, Christopher Ralph

61488-002 LAB; Carroll, Christopher Ralph, 4 cr

**3151-Control Systems**  
(A-F only; prereq 2111)

61619-001 LEC, 03:00pm-03:50pm MWF, MWAH 175; Yang, Jiann-Shiou, 4 cr

**3235-Electronics II**  
(A-F only; prereq 2212)

-001 LEC, 11:00am-11:50am MWF, MWAH 191; Tang, Hua

61762-002 LAB, 09:00am-12:00pm Th, MWAH 293; Tang, Hua, 4 cr

61824-003 LAB, 01:00pm-04:00pm Th, MWAH 293; Tang, Hua, 4 cr

**4305-Computer Architecture**  
(A-F only; prereq 3341)

64539-001 LAB, 02:00pm-02:50pm MWF, MWAH 191; Kwon PhD, Taek Mu, 4 cr

**4341-Digital Systems**  
(A-F only; prereq 2325, no graduate credit; credit will not be granted if already received for ECE 3341)

-001 LEC, 08:00am-08:50am MWF, MWAH 191; Carroll, Christopher Ralph

61490-002 LAB; Carroll, Christopher Ralph, 4 cr

**4501-Power Systems**  
(A-F only; prereq 2006; no Grad School cr)

-001 LEC, 05:30pm-06:45pm TTh, MWAH 175; Norr, Scott R

61621-002 LAB; Norr, Scott R, 4 cr

**4611-Introduction to Solid-State Semiconductors**  
(A-F only; prereq Phys 2012 or 2015; credit will not be granted if already received for ECE 3611)

60920-001 LEC, 02:00pm-02:50pm MWF, MWAH 175; Burns, Stanley G, 3 cr

**4899-Senior Design Project I**  
(A-F only; prereq WRIT 3130, BSEC or BSEE cand, instructor consent; no Grad credit, credit will not be granted if already received for 4951)

60925-001 DRS; Burns, Stanley G, 1 cr

60926-002 DRS; Hayee, Imran, 1 cr

60927-003 DRS; Carroll, Christopher Ralph, 1 cr

60928-004 DRS; Yang, Jiann-Shiou, 1 cr

60929-005 DRS; Kwon PhD, Taek Mu, 1 cr

60930-006 DRS; Tang, Hua, 1 cr

60931-007 DRS; Hasan, Mohammed A, 1 cr

60932-008 DRS; Stachowicz, Marian S, 1 cr

60933-009 DRS; Norr, Scott R, 1 cr

61738-010 DRS; Bai, Jing, 1 cr

61765-011 DRS, 1 cr

61766-012 DRS, 1 cr

**4991-Independent Study**  
(max crs 3; A-F only; prereq instr consent ; does not qualify as EE or ECE technical elective; no Grad cr)

61159-001 IND; Burns, Stanley G, 1-3 cr

61160-002 IND; Hayee, Imran, 1-3 cr

61161-003 IND; Carroll, Christopher Ralph, 1-3 cr

61162-004 IND; Yang, Jiann-Shiou, 1-3 cr

61163-005 IND; Kwon PhD, Taek Mu, 1-3 cr

61164-006 IND; Tang, Hua, 1-3 cr

61165-007 IND; Hasan, Mohammed A, 1-3 cr

61166-008 IND; Stachowicz, Marian S, 1-3 cr  
 61167-009 IND; Norr, Scott R, 1-3 cr  
 61739-010 IND; Bai, Jing, 1-3 cr  
 61767-011 IND, 1-3 cr  
 61768-012 IND, 1-3 cr

cand or music ed cand , or phy ed cand or instr consent ;  
 no Grad School credit)

61597-001 PRC; , 6 cr  
 62150-002 PRC; , 6 cr  
 62151-003 PRC; , 6 cr  
 62153-004 PRC; , 6 cr  
 62296-005 PRC; , 6 cr  
 62297-006 PRC; , 6 cr

**4999-Senior Design Project II**

(A-F only; prereq 4899, instructor consent, no Grad cr; credit will not be granted if already received for 4951)

60935-001 DRS; Burns, Stanley G, 3 cr  
 60936-002 DRS; Hayee, Imran, 3 cr  
 60937-003 DRS; Carroll, Christopher Ralph, 3 cr  
 60938-004 DRS; Yang, Jiann-Shiou, 3 cr  
 60939-005 DRS; Kwon PhD, Taek Mu, 3 cr  
 60940-006 DRS; Tang, Hua, 3 cr  
 60941-007 DRS; Hasan, Mohammed A, 3 cr  
 60942-008 DRS; Stachowicz, Marian S, 3 cr  
 60943-009 DRS; Norr, Scott R, 3 cr  
 61740-010 DRS; Bai, Jing, 3 cr  
 61769-011 DRS; Kondrath, Nisha, 3 cr  
 61770-012 DRS, 3 cr

**4991-Independent Study**

(max crs 6; 6 repeats allowed; A-F only; prereq dept consent ; no Grad School cr)

61476-001 IND, 1-6 cr  
 62718-002 IND; , 1-6 cr

**ENGINEERING (Engr)**

105 VKH, 1305 Ordean Court, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
 218/726-6161, <http://www.d.umn.edu/mie>

**Swenson College of Science & Engineering**

**1210-Introduction to Engineering**

(Credit will not be granted if credit has been received for: IE 1222; A-F only; prereq Math 1296)

64559-001 LEC, 09:00am-09:50am WF, Cina 102; Ludewig, Bruce, 2 cr

**1222-Introduction to Solid Modeling**

(Credit will not be granted if credit has been received for: IE 1225; A-F only; prereq Math 1296, Engr 1210 (co-registration allowed))

-001 LEC, 09:00am-09:50am M, Cina 102; Carrillo, Jose, 2 cr  
 64561-002 LAB, 01:00pm-02:50pm W, Engr 204; Carrillo, Jose, 2 cr  
 64562-003 LAB, 03:00pm-04:50pm W, Engr 204; Carrillo, Jose, 2 cr  
 64563-004 LAB, 10:00am-11:50am W, Engr 204; Carrillo, Jose, 2 cr

**2026-Dynamics**

(Credit will not be granted if credit has been received for: ME 2226; prereq 2015, Concurrent registration is required (or allowed) in Math 3280)

60910-001 LEC, 3 cr

**ENGINEERING MANAGEMENT (EMgt)**

229 VKH, 1305 Ordean Court, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
 218/726-8117, <http://www.d.umn.edu/mie/MSEM/>

**Swenson College of Science & Engineering**

**4110-Engineering Professionalism and Practice**

(Credit will not be granted if credit has been received for: IE 4155, ME 4155; A-F; prereq COMP 3130 or 3150 or 3180 and BSChE or BSECE or BSIE or BSME candidate within 2 semesters of graduation, or instructor consent; no Grad School credit)

-001 LEC, 10:00am-10:50am T, VKH 221; Carrillo, Jose, 2 cr  
 62888-002 LAB, 10:00am-11:50am Th, VKH 221; Carrillo, Jose, 2 cr

**5130-Operations Modeling and Analysis**

(A-F; prereq EMgt student or dept consent .)

68340-811 LEC, 06:00pm-08:40pm W, . TBA; Chen, Hongyi, 3 cr  
 68341-812 LEC, 06:00pm-08:40pm W, . TBA, OFFCMPUMD; HIBBING registrations only; Chen, Hongyi, 3 cr  
 68342-813 LEC, 06:00pm-08:40pm W, . TBA, OFFCMPUMD; VIRGINIA registrations only; Chen, Hongyi, 3 cr

**5240-Advanced Operations Management**

(A-F; prereq EMgt student or MBA student or dept consent)

64420-001 LEC, 09:00am-09:50am MWF, Engr 290; Meets with: 62903 IE 4020; Natarajan, Gana, 3 cr

**8310-Project Methodology and Practice**

(A-F; prereq 5110, 5120, 5130, 5160)

61849-811 LEC, 06:00pm-08:40pm M, . TBA; ITV. Structured Capstone Project.; Rosandich PhD, Ryan G, 3 cr  
 64416-812 LEC, 06:00pm-08:40pm M, . TBA; ITV - Hibbing (HCC). Structured Capstone Project.; Rosandich PhD, Ryan G, 3 cr  
 64417-813 LEC, 06:00pm-08:40pm M, . TBA; ITV -Virginia Campus, Virginia Mesabi Range. Structured Capstone Project.; Rosandich PhD, Ryan G, 3 cr

**8777-Thesis Credits: Master's**

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))

62052-811 THE; Arranged., 1-18 cr  
 62799-818 THE; Arranged.; Rosandich PhD, Ryan G, 1-18 cr  
 62800-819 THE; Arranged.; Chen, Hongyi, 1-18 cr  
 63337-820 THE; Arranged.; Zhao, Ping, 1-18 cr  
 64418-821 THE; Arranged.; Zhou, Debao, 1-18 cr  
 64419-822 THE; Arranged.; Hoxie, Alison Behrens, 1-18 cr

**8993-Engineering Management Seminar**

(max crs 2; S-N; prereq Grad student, dept consent)  
 62223-811 SEM, 12:00pm-12:50pm M, VKH 221; This course is a combined course with IE4993.; Meets with: 61973 IE 4993; Greminger, Michael Allen, 1 cr

**ENGLISH (Engl)**

410 H, 1201 Ordean Drive, College of Liberal Arts, Duluth, MN, 55812-3011

218/726-8228, <http://www.d.umn.edu/engl/>

**College of Liberal Arts**

**1001-Great American Authors**

(A-F only; meets DLE req of Humanities; meets LE req of LE CAT9)

62332-001 LEC, 10:00am-10:50am MWF, MonH 203; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Basham, Kate, 3 cr

**1101-Literature Appreciation**

(Credit will not be granted if credit has been received for: ENGL 1907; A-F only; prereq Primarily for nonmajors but also for potential majors and creative writers; meets DLE req of Humanities; meets LE req of LE CAT9)

62793-001 LEC, 03:00pm-03:50pm MWF, MonH 203; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; , 3 cr

**1575-20th-Century Literature**

(A-F only; prereq Primarily for nonmajors; meets DLE req of Humanities; meets LE req of LE CAT9)

66733-001 LEC, 12:00pm-01:50pm TTH, MonH 70; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Bock, Martin F, 4 cr

**1582-Introduction to World Literatures**

(A-F only; meets DLE req of Global Perspectives; meets DLE req of Humanities; meets LE req of LE CAT9; meets LEIP req of LEIP CAT09)

62794-001 LEC, 12:00pm-12:50pm MF, H 403, 12:00pm-01:50pm W, H 403; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; , 4 cr  
 63042-002 LEC, 11:00am-12:50pm TTH, H 403; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Kress, Simon B, 4 cr

**1803-Freshman Seminar: Unseen Reality**

(A-F only; prereq Freshman, fewer than 30 cr.; meets DLE req of Humanities; meets LE req of LE CAT9)

67513-001 SEM, 09:00am-10:50am M, H 480, 09:00am-09:50am WF, H 480; Bock, Carol Ann, 4 cr

**1805-Freshman Seminar: Satire and Humor**

(A-F only; prereq Freshman, fewer than 30 cr; meets DLE req of Humanities; meets LE req of LE CAT9)

66665-001 LEC, 09:00am-09:50am MF, MonH 208, 09:00am-10:50am W, MonH 208, 4 cr

**1907-Introduction to Literature**

(Credit will not be granted if credit has been received for: ENGL 1101; A-F only; prereq Primarily for nonmajors; meets DLE req of Humanities; meets LE req of LE CAT9)

64023-001 LEC, 02:00pm-03:15pm TTH, MonH 70; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; , 3 cr

**2922-The Art of the Memoir: Reading and Writing Memoir**

(A-F only)

67786-001 SEM, 02:00pm-03:50pm MW, DAdB 16A; Van Wert, Kathryn, 4 cr

**3115-Writing Fiction**

(max crs 8; A-F only; prereq WRIT 1120, min 60 cr (6 cr lit) or instr consent)

64027-001 LEC, 11:00am-12:50pm TTH, Library 409; , 4 cr

**3223-Shakespeare**

(A-F only; meets DLE req of Humanities; meets LE req of LE CAT9)

64120-001 LEC, 10:00am-11:50am M, H 403, 10:00am-10:50am WF, H 403; Cannan, Paul D, 4 cr

**3411-The Modern Short Story**

(A-F only; prereq Min 60 cr (6 cr lit) or instr consent)

64024-001 LEC, 08:00am-09:50am MW, Cina 202; , 4 cr

**3502-British Literature II**

(A-F only; prereq Engl major and minor; meets DLE req of Humanities)

60888-001 LEC, 02:00pm-03:50pm MW, Chem 150; Bock, Carol Ann, 4 cr

**3564-American Literature II**

(A-F only; meets DLE req of Cultural Diversity in the US;

**ELEMENTARY EDUCATION (EIED)**

150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN, 55812-3029  
 218/726-7233, <http://www.d.umn.edu/educ/>

**College of Education & Human Service Professions**

**4600-Student Teaching**

(max crs 12; S-N only; prereq 3381, 4346 and 4347, no Grad School cr)

61475-001 PRC; , 12 cr  
 61757-002 PRC; , 12 cr  
 62135-003 PRC; , 12 cr  
 62136-004 PRC; , 12 cr  
 62137-005 PRC; , 12 cr  
 62152-006 PRC; , 12 cr  
 62138-007 PRC; , 12 cr  
 62139-008 PRC; , 6 cr  
 62140-009 PRC; , 6 cr  
 62478-010 PRC; , 6 cr  
 63050-011 PRC; , 6 cr

**4650-Student Teaching in Individual Subjects: K-8**

(max crs 7; 7 repeats allowed; S-N only; prereq Art ed

# University of Minnesota – Class Schedule for Duluth Campus

Spring 2013

meets DLE req of Humanities)  
60889-001 LEC, 12:00pm-01:50pm TTh, H 314; Brier, Evan, 4 cr  
67934-002 LEC, 03:00pm-04:50pm MW, EduE 32; Kim, Eun Joo, 4 cr

## 3573-Survey of African American Literature

(A-F only; meets DLE req of Cultural Diversity in the US; meets DLE req of Humanities)  
66667-001 DIS, 02:00pm-03:50pm MW, BohH 90; Kowino, Hilary Chala, 4 cr

## 3906-Methods of Literary Study

(A-F only; prereq WRIT 1120, Engl major or Tch Comm Art/Lit major or instr consent)  
62027-001 LEC, 02:00pm-03:50pm TTh, H 314; Zuck, Rochelle Raineri, 4 cr

## 4097-Internship for English Majors

(max crs 8; S-N; prereq minimum 60 credits, instructor consent; no grad credit)  
62453-001 IEX; Bock, Carol Ann, 1-4 cr; S-N only

## 4375-Drama

(A-F only)  
66734-001 LEC, 02:00pm-03:50pm MW, H 468; Basham, Kate, 4 cr

## 4909-Senior Portfolio

(S-N only; prereq Engl major, sr)  
61796-001 SEM; Cannan, Paul D; Maiolo, Joseph C; Schwetman, John David; Twu, Krista Sue-Lo; Bock, Martin F; Basham, Kate; Brier, Evan; Kowino, Hilary Chala; Bock, Carol Ann; Sigler, Carolyn, 1 cr

## 4931-Practicum in Teaching Literature

(A-F only; prereq 3906, sr, 4 other upper division literature courses and instr consent; no Grad School cr)  
61848-001 PRC; , 4 cr

## 5097-Graduate Internship

(max crs 3; S-N; prereq 8906, instructor consent)  
62452-001 IEX; Bock, Carol Ann, 1-3 cr

## 5122-Advanced Writing of Poetry

(max crs 8; A-F only; prereq 3121 or instr consent)  
67785-001 LEC, 04:00pm-05:50pm TTh, Library 409; Kress, Simon B, 4 cr

## 5541-Restoration and 18th-Century Literature

(A-F only; prereq 6 cr lit)  
66668-001 LEC, 01:00pm-02:50pm MW, MonH 208; Cannan, Paul D, 4 cr

## 5562-Victorian Literature

(A-F only; prereq 6 cr lit)  
66669-001 LEC, 11:00am-12:50pm MW, LSBE 265; Sigler, Carolyn, 4 cr

## 5566-Irish Literary Revival

(A-F only; prereq 6 cr lit)  
64439-001 LEC, 09:00am-10:50am TTh, ChPk 124; Bock, Martin F, 4 cr

## 5577-Major American Authors

(max crs 8; A-F only; prereq 6 cr lit)  
63125-001 LEC, 12:00pm-01:50pm MW, DAdB 16A; Schwetman, John David, 4 cr

## 5584-Mapping Postcolonial Literature

(A-F only; prereq minimum 6 credits of Literature)  
67923-001 DIS, 11:00am-12:50pm M, Library 409, 11:00am-12:50pm W, KPlz 385; Van Wert, Kathryn, 4 cr

## 5591-Independent Study

(max crs 8; 8 repeats allowed; prereq instr consent, max 6 cr may be applied to Grad School program)  
64587-001 IND; Twu, Krista Sue-Lo, 1-5 cr

## 5661-Publishing the Middle Ages

(A-F only; prereq Jr or sr or grad student or instr consent)  
64030-001 LEC, 01:00pm-02:50pm TTh, Engr 290; Twu, Krista Sue-Lo, 4 cr

## 5665-The American Literary Marketplace

(A-F only; prereq Junior, senior or graduate student or instr consent)  
66671-001 LEC, 03:00pm-04:50pm TTh, EduE 40; Brier, Evan, 4 cr

## 8191-Seminar: American Literature

(A-F only)  
66652-001 SEM, 10:00am-11:50am TTh, MWAH 191; Zuck, Rochelle Raineri, 4 cr

## 8333-FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)  
61881-001 DRs; Twu, Krista Sue-Lo, 1 cr

## 8444-FTE: Doctoral

(NGA; prereq doctoral student, adviser and DGS consent)  
61668-001 DRs; Twu, Krista Sue-Lo, 1 cr

## 8888-Thesis Credits: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq [max 18 cr per semester or summer]; 24 cr required)  
61704-001 THE; Twu, Krista Sue-Lo, 1-24 cr

## 8931-Practicum in Teaching Literature

(max crs 4; A-F only; prereq 8 cr grad-level literature or instructor consent)  
61882-001 PRC; , 1-4 cr

## ENVIRONMENTAL EDUCATION (EnEd)

110 SpHC, 1216 Ordean Court, College of Education and Human Service Professions, Duluth, MN, 55812-3011  
218/726-7120, <http://www.d.umn.edu/hper/>

## College of Education & Human Service Professions

### 1000-Introduction to Outdoor Recreation

(A-F only; prereq Credit will not be granted if already received for REC 1000)  
61859-001 LEC, 01:00pm-02:50pm MW, ChPk 122; Beery, Thomas H.; Erpestad, Matti James, 4 cr

### 3309-Outdoor Leadership

(S-N only; prereq Rec 2300, PETE 3507)  
62328-001 LEC, 09:00am-11:30am T, SpHC 9A, 03/25/13-05/10/13; Gilbertson, Ken Lloyd, 1 cr

### 3342-Field Interpretive Techniques II

(A-F only; prereq Rec 2300 or instr consent, credit will not be granted if already received for EnEd 3342)  
61380-001 LEC, 02:00pm-04:50pm W, SpHC 9; Course includes a weekend field trip April 12-13, 2013.; Beery, Thomas H., 3 cr  
61935-002 LEC, 02:00pm-04:50pm W, SpHC 9A; Course includes a weekend field trip April 12-13, 2013.; Bates, Timothy Alan, 3 cr  
67909-731 LEC; Walewski, Joseph W, 3 cr

### 4555-Foundations of Environmental Education

(A-F only; prereq Rec 2300 or instr consent)  
62438-001 LEC, 09:30am-11:50am Th, SpHC 9; Ernst, Julie Ann, 3 cr

### 4996-Outdoor Education Internship

(S-N only; prereq Rec major, instr consent; no Grad School cr; credit will not be granted if already received for Rec 4996)  
61382-001 IEX; Beery, Thomas H., 12 cr  
63910-002 IEX; Gilbertson, Ken Lloyd, 12 cr  
63911-003 IEX; Ernst, Julie Ann, 12 cr  
63912-004 IEX; Zmudy PhD, Mark Howard, 12 cr

### 5325-Environmental Issues Investigation

(A-F only; prereq instr consent, no Grad School cr)  
62066-001 LEC, 01:00pm-06:30pm F, SpHC 9A; (Wolf Ridge Environmental Learning Center); Gilbertson, Ken Lloyd, 3 cr

### 5560-Current Research and Issues

(A-F only; prereq MEd candidate or instr consent)  
63229-001 LEC, 12:00pm-02:50pm M, SpHC 9A; Gilbertson, Ken Lloyd, 3 cr

### 5855-Programming for School Systems

(A-F only; prereq 5850, Educ 5850 or instr consent)  
67519-001 LEC, 09:30am-11:50am T, SpHC 9; Ernst, Julie Ann, 3 cr

### 5998-Outdoor Education Seminar

(max crs 3; 3 repeats allowed; S-N only; prereq instr consent; credit will not be granted if already received for Rec 4998)  
61383-001 SEM, 03:00pm-03:50pm M, SpHC 210; Beery, Thomas H., 1 cr

## ENVIRONMENTAL SCIENCE (ESci)

140 Engr, 1303 Ordean Court, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
218/726-6397, <http://www.d.umn.edu/cse/>

## Swenson College of Science & Engineering

### 3101-Nonrenewable Resources

(A-F only; prereq 2210, Chem 1151 or 1161, Phys 2011 or 2013 and 2014, or instr consent)  
64682-001 LEC, 11:00am-11:50am MF, HH 216, 11:00am-12:50pm W, HH 216; Swenson, John B, 3 cr

### 3291-Independent Study

(max crs 3; prereq instr consent)  
64600-001 IND, 1-3 cr

### 3296-Cooperative Education

(max crs 2; S-N; prereq Environmental Science major and dept consent)  
64679-001 FWK; Morton, Ron L, 1-2 cr

### 4102-Environmental Assessment

(A-F only; prereq instr consent; no Grad School cr)

63501-001 LEC, 06:00pm-07:40pm MW, HH 306; Ballavance, Brett Alan, 3 cr

## ENVIRONMENT AND SUSTAINABILITY (ES)

329 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011

218/726-6300, <http://www.d.umn.edu/geog/>

## College of Liberal Arts

### 2803-Issues in Global Ecology

(A-F only; prereq Credit will not be granted if already received for Biol 2803; meets DLE req of Sustainability; meets LE req of LE CAT5; meets LEIP req of LEIP CAT05)  
63844-001 LEC, 02:00pm-03:15pm TTh, ABAH 235; CE Reserved Seats are available to all UMD students on 01/15/13; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Mageau, Michael T, 3 cr

### 3100-Sustainable Food Systems

(A-F only; meets DLE req of Sustainability)  
64513-001 LEC, 02:00pm-03:15pm TTh, Cina 316; Hanson PhD, Randel Dean, 3 cr

### 4010-Seminar

(A-F; prereq ES major, 90 cr; no Grad School credit; credit will not be granted if already received for 5001)  
61856-001 LEC, 09:30am-11:10am TTh, Cina 316; Mageau, Michael T, 4 cr

### 4090-Internship Preparation

(S-N; prereq ES major, no Grad School credit; credit will not be granted if already received for 5040)  
62112-001 LEC, 01:00pm-01:50pm T, Cina 316; Mageau, Michael T, 1 cr

### 4091-Independent Study

(max crs 3; 3 repeats allowed; A-F; prereq 60 cr, instr consent; no Grad School credit; credit will not be granted if already received for ES 4001)  
61623-001 IND; Mageau, Michael T, 1-3 cr

## EXERCISE SCIENCE ATHLETIC TRAINING (ESAT)

110 SpHC, 1216 Ordean Court, College of Education and Human Service Professions, Duluth, MN, 55812-3011  
218/726-7120, <http://www.d.umn.edu/hper/>

## College of Education & Human Service Professions

### 2400-Applied Exercise Science

(A-F only; prereq Pre pe major or coaching minor; credit will not be granted if already received for PEP 3035 or CC 3101)  
63294-001 LEC, 09:00am-09:50am MWF, SpHC 208, 09:00am-09:50am MWF, FH 25; Harkins, Kenneth J, 3 cr

### 2610-Introduction to Athletic Training

(A-F only; prereq Pre-athletic training or instr consent; credit will not be granted if already received for PEP 2610)  
-001 LEC, 12:00pm-12:50pm MWF, SpHC 8; Streveler, Megan Jane  
63641-002 LAB, 11:00am-11:50am T, SpHC 22; Streveler, Megan Jane, 4 cr  
63642-003 LAB, 11:00am-11:50am Th, SpHC 22; Wendinger, Michael J, 4 cr

### 2698-Clinical Experience in Athletic Training II

(A-F only; prereq 2697, Athletic Training major)  
62041-001 CLN, 08:00am-09:15am TTh, SpHC 22; Streveler, Megan Jane, 2 cr

### 3200-Motor Learning and Development

(A-F only; prereq Athletic training cand or exercise science cand or pre pre or pe cand or instr consent)  
-001 LEC, 01:00pm-01:50pm MTWF, SpHC 207, 01:00pm-01:50pm MWF, SpHC 150A; Millslagle, Duane G.  
61603-002 LAB, 02:00pm-03:15pm T, SpHC 150A, 02:00pm-03:15pm T, SpHC 205; Millslagle, Duane G., 5 cr  
63236-004 LAB, 03:00pm-04:15pm M, SpHC 150A, 03:00pm-04:15pm M, SpHC 205; Millslagle, Duane G., 5 cr

### 3300-Human Biomechanics

(A-F only; prereq Phys 1001, athletic training cand or exercise science cand or instr consent)  
-001 LEC, 09:00am-09:50am MWF, SpHC 207; Levy, Morris  
61833-002 LAB, 08:00am-09:15am T, SpHC 205, 08:00am-09:15am T, FH 25; Levy, Morris, 4 cr  
61834-003 LAB, 09:30am-10:45am T, SpHC 205, 09:30am-10:45am T, FH 25; Levy, Morris, 4 cr  
63302-004 LAB, 08:00am-09:15am Th, SpHC 205, 08:00am-09:15am Th, FH 25; Levy, Morris, 4 cr

### 3400-Exercise Physiology

(A-F only; prereq Hlth 2040 or PHSL 3011, athletic training or exercise science cand or instr consent)

# University of Minnesota – Class Schedule for Duluth Campus

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-001 LEC, 02:00pm-02:50pm MWF, EduE 36; Keener PhD, John R  
61559-002 LAB, 01:30pm-02:45pm Th, SpHC 201; Keener PhD, John R, 4 cr  
61566-003 LAB, 03:00pm-04:15pm Th, SpHC 201; Keener PhD, John R, 4 cr

**3410-Performance Nutrition and Weight Management**  
(A-F only; prereq Hlth 1470, athletic training cand or exercise science cand or instr consent)

-001 LEC, 11:00am-11:50am MWF, SpHC 208; Harkins, Charlene Gail  
64459-002 LAB, 02:00pm-03:15pm T, SpHC 201; Harkins, Charlene Gail, 4 cr  
64460-003 LAB, 08:00am-09:15am Th, SpHC 201; Harkins, Charlene Gail, 4 cr

**3420-Exercise Testing and Prescription**

(A-F only; prereq 3400, athletic training or exercise science cand or instr consent)  
-001 LEC, 10:00am-10:50am MWF, SpHC 207, 10:00am-10:50am F, FH 25; Harkins, Kenneth J  
62173-002 LAB, 08:00am-09:15am T, SpHC 201; Harkins, Kenneth J, 4 cr  
62174-003 LAB, 09:30am-10:45am T, SpHC 201; Harkins, Kenneth J, 4 cr

**3430-Principles of Strength and Conditioning Programs**

(A-F only; prereq 3400, athletic training or exercise science cand or instr consent)  
-001 LEC, 08:00am-08:50am MWF, SpHC 208; Fountaine, Charles  
64431-002 LAB, 08:00am-09:15am T, SpHC 29, 08:00am-09:15am T, SpHC 150A; Fountaine, Charles, 4 cr  
64432-003 LAB, 08:00am-09:15am Th, SpHC 29, 08:00am-09:15am Th, SpHC 150A; Fountaine, Charles, 4 cr

**3440-Clinical Exercise Physiology**

(A-F only; prereq 3420, exercise science cand or instr consent)  
-001 LEC, 12:00pm-12:50pm MWF, SpHC 207; Harkins, Kenneth J  
62353-002 LAB, 11:00am-11:50am TTh, SpHC 201; Harkins, Kenneth J, 5 cr  
62355-003 LAB, 12:00pm-12:50pm TTh, SpHC 201, 12:00pm-12:50pm TTh, SpHC 207; Harkins, Kenneth J, 5 cr  
-004 DIS, 09:30am-10:30am Th, SpHC 205; Harkins, Kenneth J

**3610-Mechanics of Musculoskeletal Injury**

(A-F only; prereq 3600)  
63628-001 LEC, 09:00am-09:50am MWF, SpHC 22; , 3 cr

**3630-Lower Extremity Injury Evaluation**

(A-F only; prereq 3600, athletic training major; credit will not be granted if already received for PEP 3620)  
62985-001 LEC, 10:00am-10:50am MWF, SpHC 22, 01:00pm-01:50pm Th, SpHC 22; Streveler, Megan Jane, 4 cr

**3640-Therapeutic Modalities**

(A-F only; prereq 3600, athletic training major; credit will not be granted if already received for PEP 3640)  
62523-001 LEC, 08:00am-08:50am MWF, SpHC 22; , 3 cr

**3698-Clinical Experiences in Athletic Training IV**

(A-F only; prereq 3697, Athletic Training major)  
62042-001 CLN, 09:30am-10:45am TTh, SpHC 22; Streveler, Megan Jane, 2 cr

**4001-Pharmacology in Athletic Training**

(A-F only; prereq 3632, 3642, Athletic Training major, no Grad School cr)  
62984-001 LEC, 10:00am-10:50am MW, SpHC 210; Wendinger, Michael J, 2 cr

**4600-Senior Seminar Athletic Training**

(A-F only; prereq 4001, Athletic Training major, no Grad School cr; credit will not be granted if already received for PEP 5600)  
62322-001 LAB, 11:00am-11:50am MW, SpHC 22; , 2 cr

**4610-Orthopedic Seminar**

(A-F only; prereq 3698; no grad credit)  
63629-001 SEM, 05:00pm-05:50pm M, SpHC 22; Wendinger, Michael J; Harrington, Stephen Cur, 1 cr

**4698-Clinical Experiences in Athletic Training VI**

(A-F only; prereq 4697, Athletic Training major, no Grad School credit)  
62054-001 CLN, 12:00pm-12:50pm TTh, SpHC 22; Streveler, Megan Jane, 2 cr

**4700-Statistics and Research Methods in Exercise Science**

(A-F only; prereq 12 cr from 3200, 3300, 3400, 3410, athletic training or exercise science candidate, no Grad School cr)  
63300-001 LEC, 01:00pm-01:50pm MTWTF, SpHC 210; Fountaine, Charles, 4 cr

**4710-Applied and Experimental Exercise Science**

(A-F only; prereq 4700 or instr consent , exercise science cand, no Grad School cr)  
62055-001 LEC, 02:00pm-03:50pm MW, SpHC 208, 02:00pm-03:50pm MW, SpHC 201; Levy, Morris, 4 cr

**4996-Internship**

(max crs 12; 4 repeats allowed; S-N only; prereq 3420, exercise candidate, instr consent ; no Grad School cr)  
61367-001 IEX; Harkins, Kenneth J, 3-12 cr

## FAMILY MEDICINE (FMed)

141 SMed, 1035 University Drive, University of Minnesota Medical School Duluth, Duluth, MN, 55812-3011  
218/726-8552,

[http://www.med.umn.edu/duluth/about/Family\\_Medicine/home.html](http://www.med.umn.edu/duluth/about/Family_Medicine/home.html)

## Medical School - Duluth Campus

**5591-Independent Study**

(max crs 12; 12 repeats allowed; prereq Department consent)  
61764-001 LAB; Adams, Jeffrey L, 1-8 cr

**6442-Community Clinical Medicine**

(P-N; prereq Regis med student)  
61436-001 CLN; Adams, Jeffrey L; Westra, Ruth E, 2 cr

**6501-Clinical Pathology Conferences I**

(P-N only; prereq Regis med student)  
63853-001 CST; Johns, Alan M, 1 cr

**6502-Clinical Pathology Conferences II**

(P-N only; prereq Regis med student)  
61435-001 CST; Johns, Alan M, 1 cr

**6987-Obstetrical Longitudinal Course**

(P-N only; prereq Preregis med, instr consent , cannot be concurrently registered for FMed 6977)  
64458-001 LEC, 1 cr

**6997-Rural Academy of Leadership**

(P-N; prereq Preregis med, instr consent)  
63188-001 LEC; Westra, Ruth E, 1 cr

**7100-Clinical Family Medicine**

(max crs 117; 9 repeats allowed; P-N only; prereq dept consent ; no Grad School credit)  
61420-001 CLN; Adams, Jeffrey L, 13 cr

## FINANCE & MANAGEMENT INFORMATION (FMIS)

335D LSBE, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812-3011

218/726-7532, <https://lsbe.d.umn.edu/fmis/fmis.php>

## Labovitz School of Business & Economics

**2201-Information Technology in Business**

(Credit will not be granted if credit has been received for: CS 1011; A-F only; prereq LSBE student or Computer Information Systems majors, min 15 cr or college consent)  
62257-001 LEC, 11:00am-11:50am MWF, LSBE 118; (LSBE students); Meets with: 62258 FMIS 2201; , 3 cr  
62258-002 LEC, 11:00am-11:50am MWF, LSBE 118; (Computer Information System major); Meets with: 62257 FMIS 2201; , 3 cr  
62323-003 LEC, 12:30pm-01:45pm TTh, LSBE 118; (LSBE students); Meets with: 62324 FMIS 2201; Gipe, Pamela, 3 cr  
62324-004 LEC, 12:30pm-01:45pm TTh, LSBE 118; (Computer Information Systems major); Meets with: 62323 FMIS 2201; Gipe, Pamela, 3 cr

**3141-Business Communications**

(A-F only; prereq LSBE cand or Econ major or college consent)  
61101-001 LEC, 09:00am-09:50am MWF, LSBE 237; (Accounting Majors and candidates Only); Meets with: 61637 FMIS 3141; Anders, Abram Daniel, 3 cr  
61637-002 LEC, 09:00am-09:50am MWF, LSBE 237; Meets with: 61101 FMIS 3141; Anders, Abram Daniel, 3 cr  
61102-003 LEC, 11:00am-11:50am MWF, LSBE 237; (LSBE candidates); Meets with: 61638 FMIS 3141; Anders, Abram Daniel, 3 cr  
61638-004 LEC, 11:00am-11:50am MWF, LSBE 237; (Economics majors); Meets with: 61102 FMIS 3141; Anders, Abram Daniel, 3 cr  
62044-005 LEC, 01:00pm-01:50pm MWF, LSBE 237; (LSBE candidates); Meets with: 62045 FMIS 3141; Anders, Abram Daniel, 3 cr  
62045-006 LEC, 01:00pm-01:50pm MWF, LSBE 237; (Economics majors); Meets with: 62044 FMIS 3141; Anders, Abram Daniel, 3 cr  
62046-007 LEC, 09:30am-10:45am TTh, LSBE 165; (LSBE candidates); Meets with: 62047 FMIS 3141; , 3 cr  
62047-008 LEC, 09:30am-10:45am TTh, LSBE 165; (Economics majors); Meets with: 62046 FMIS 3141; , 3 cr  
62123-009 LEC, 11:00am-12:15pm TTh, LSBE 265; (LSBE candidates); Meets with: 62124 FMIS 3141; Wang,

Junhua, 3 cr  
62124-010 LEC, 11:00am-12:15pm TTh, LSBE 265; (Economics majors); Meets with: 62123 FMIS 3141; Wang, Junhua, 3 cr  
63366-011 LEC, 02:00pm-03:15pm TTh, LSBE 265; (LSBE candidates); Meets with: 63367 FMIS 3141; Wang, Junhua, 3 cr  
63367-012 LEC, 02:00pm-03:15pm TTh, LSBE 265; (Economics majors); Meets with: 63366 FMIS 3141; Wang, Junhua, 3 cr

**3220-Database Management and Design**

(A-F; prereq 2201 or CS 1121 or CS 1511, LSBE cand or college consent)  
61497-001 LEC, 08:00am-09:15am TTh, LSBE 237; Li, Dahui, 3 cr

**3222-Systems Analysis and Design**

(A-F only; prereq 2201, LSBE cand or college consent )  
61103-001 LEC, 11:00am-12:15pm TTh, LSBE 165; Hassan, Nik R., 3 cr

**3232-Visual Web Programming**

(A-F only; prereq 2201 or 3201, 3220 or concurrently, LSBE candidate or college consent)  
62122-001 LEC, 10:00am-10:50am MWF, LSBE 165; Lee, Seung Chan, 3 cr

**3291-Independent Study MIS**

(Credit will not be granted if credit has been received for: FMIS 3691; max crs 9; 3 repeats allowed; A-F; prereq dept consent)  
62946-001 IND; Li, Dahui, 1-3 cr

**3301-Production and Operations Management**

(A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)  
61104-001 LEC, 02:00pm-02:50pm MWF, LSBE 135; (LSBE candidates); Meets with: 61639 FMIS 3301; Lunde, Lai La Sha, 3 cr  
61639-002 LEC, 02:00pm-02:50pm MWF, LSBE 135; (Non-LSBE Bus Adm minors); Meets with: 61104 FMIS 3301; Lunde, Lai La Sha, 3 cr  
61902-003 LEC, 04:00pm-05:15pm MW, LSBE 135; (LSBE candidates); Meets with: 61903 FMIS 3301; Lunde, Lai La Sha, 3 cr  
61903-004 LEC, 04:00pm-05:15pm MW, LSBE 135; (Non-LSBE Bus Adm minors); Meets with: 61902 FMIS 3301; Lunde, Lai La Sha, 3 cr  
61904-005 LEC, 06:00pm-08:40pm W, LSBE 125; (LSBE candidates); Meets with: 61905 FMIS 3301; Lunde, Lai La Sha, 3 cr  
61905-006 LEC, 06:00pm-08:40pm W, LSBE 125; (Non-LSBE Bus Adm minors); Meets with: 61904 FMIS 3301; Lunde, Lai La Sha, 3 cr  
62048-007 LEC, 02:00pm-03:15pm TTh, LSBE 135; (LSBE candidates); Meets with: 62049 FMIS 3301; Klingner, Jill M, 3 cr  
62049-008 LEC, 02:00pm-03:15pm TTh, LSBE 135; (Non-LSBE Bus Adm minors); Meets with: 62048 FMIS 3301; Klingner, Jill M, 3 cr

**3397-LSBE Internship**

(A-F only; prereq Admitted to LSBE candidacy, consent of internship director)  
61594-001 IEX; Kaas, Duane A, 3 cr

**3601-Corporate Finance**

(A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)  
61108-001 LEC, 01:00pm-01:50pm MWF, LSBE 125; (LSBE candidates); Meets with: 61640 FMIS 3601; Vizanko, James, 3 cr  
61640-002 LEC, 01:00pm-01:50pm MWF, LSBE 125; (Non-LSBE Bus Adm minors); Meets with: 61108 FMIS 3601; Vizanko, James, 3 cr  
61109-003 LEC, 03:00pm-03:50pm MWF, LSBE 129; (LSBE candidates); Meets with: 61641 FMIS 3601; Glambosky, Mina C, 3 cr  
61641-004 LEC, 03:00pm-03:50pm MWF, LSBE 129; (Non-LSBE Bus Adm minors); Meets with: 61109 FMIS 3601; Glambosky, Mina C, 3 cr  
61825-005 LEC, 06:00pm-08:40pm W, LSBE 118; (LSBE candidates); Meets with: 61826 FMIS 3601; , 3 cr  
61826-006 LEC, 06:00pm-08:40pm W, LSBE 118; (Non-LSBE Bus Adm minors); Meets with: 61825 FMIS 3601; , 3 cr  
62050-007 LEC, 08:00am-09:15am TTh, LSBE 135; (LSBE candidates); Meets with: 62051 FMIS 3601; , 3 cr  
62051-008 LEC, 08:00am-09:15am TTh, LSBE 135; (Non-LSBE Bus Adm minors); Meets with: 62050 FMIS 3601; , 3 cr

**3612-Managerial Finance**

(A-F only; prereq 3601, LSBE cand or college consent)  
61110-001 LEC, 08:00am-08:50am MWF, LSBE 229; Dhatt, Manjeet, 3 cr  
62500-002 LEC, 09:00am-09:50am MWF, LSBE 229; Dhatt, Manjeet, 3 cr

**3619-Analysis of Financial Statements**

(A-F only; prereq 3601, LSBE candidate or instr consent ; an Accounting/Finance double major cannot take FMIS 3619 to count as a Group B finance elective. See your finance adviser for details.)

62441-001 LEC, 10:00am-10:50am MWF, LSBE 129; Perry, Timothy Tyson, 3 cr  
62684-002 LEC, 12:00pm-12:50pm MWF, LSBE 233; Perry, Timothy Tyson, 3 cr

**3644-Investment Fundamentals**

(A-F only; prereq 3601, LSBE cand or college consent)  
61111-001 LEC, 08:00am-08:50am MWF, LSBE 135; Wong, Shee Q, 3 cr  
63103-002 LEC, 09:00am-09:50am MWF, LSBE 125; Wong, Shee Q, 3 cr

**3647-Financial Markets and Institutions**

(A-F only; prereq 3601, LSBE cand or college consent)  
61119-001 LEC, 08:00am-08:50am MWF, LSBE 233; Glam-bosky, Mina C, 3 cr  
63141-002 LEC, 11:00am-11:50am MWF, LSBE 135; Glam-bosky, Mina C, 3 cr

**3655-Risk Management and Insurance**

(A-F only; prereq 3601, LSBE candidate or instr consent)  
63104-001 LEC, 11:00am-12:15pm TTh, LSBE 225; Hu, Yan, 3 cr

**3691-Independent Study Finance**

(Credit will not be granted if credit has been received for: FMIS 3291; max crs 3; A-F; prereq dept consent)  
61595-001 IND; Li, Dahui, 1-3 cr

**4221-XML and Information Management**

(A-F only; prereq 2201 or 3201, 3220, 3232; credit will not be granted if already received for 3230)  
62120-001 LEC, 03:00pm-03:50pm MWF, LSBE 265; Lee, Seung Chan, 3 cr

**4225-Advanced Applications Development**

(A-F; prereq 3220, 3222, MIS major or college consent)  
62113-001 LEC, 01:00pm-01:50pm MWF, LSBE 165; Lee, Seung Chan, 3 cr

**4617-Management of Financial Institutions**

(A-F only; prereq 3647, LSBE cand with 60 cr or grad student or college consent)  
62333-001 LEC, 02:00pm-03:15pm TTh, LSBE 129; Hu, Yan, 3 cr

**4624-Applied Portfolio Management**

(A-F only; prereq 4616, 4620, Financial Markets major or minor; no Grad School credit)  
61972-001 LAB, 08:00am-09:15am TTh, LSBE 112; Artim, Joseph Keith, 3 cr

**4644-Portfolio Management**

(A-F only; prereq 3644, LSBE candidate)  
62202-001 LEC, 01:00pm-01:50pm MWF, LSBE 135; Wong, Shee Q, 3 cr

**4646-Financial Plan Development**

(A-F only; prereq 3601, 3644, 3655, ACCT 2001 3401 and 4600, BLAW 3301 (can be taken concurrently); no grad credit)  
64020-001 LEC, 06:00pm-08:40pm W, LSBE 229; Vizanko, James, 3 cr

**FOREIGN STUDIES (FORS)**

**UMD-Academic Affairs**

**1100-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63975-001 LEC, 1-20 cr

**1101-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63976-001 LEC, 1-20 cr

**1102-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63977-001 LEC, 1-20 cr

**1103-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63978-001 LEC, 1-20 cr

**1104-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63979-001 LEC, 1-20 cr

**1105-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63980-001 LEC, 1-20 cr

**1106-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63981-001 LEC, 1-20 cr

**1107-International Education**

(max crs 20; prereq Admission to an approved study abroad course requires consent from the International Education Office.)  
63982-001 LEC, 1-20 cr

**1108-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63983-001 LEC, 1-20 cr

**1109-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63984-001 LEC, 1-20 cr

**2200-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63985-001 LEC, 1-20 cr

**2201-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63986-001 LEC, 1-20 cr

**2202-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63987-001 LEC, 1-20 cr

**2203-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63988-001 LEC, 1-20 cr

**2204-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63989-001 LEC, 0.50-20 cr

**2205-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63990-001 LEC, 1-20 cr

**2206-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63991-001 LEC, 1-20 cr

**2207-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63992-001 LEC, 1-20 cr

**2208-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63993-001 LEC, 1-20 cr

**2209-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63994-001 LEC, 1-20 cr

**3006-Hist 3235, History and Soccer**

(max crs 20; prereq Admission to an approved study abroad program. Required consent from the International Education Office.)  
68353-001 LEC, 01/04/13-01/18/13, 3 cr; A-F

**3131-International Student Teaching**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63952-001 LEC, 12/22/12-08/31/13; Sersha, James P., 1-20 cr

**3241-MU 3997 Turkish American Wind Band**

(max crs 4; 4 repeats allowed; prereq Admitted to an approved Study Abroad program, required consent from the International Education Office.)  
68231-001 LEC, 01/05/13-01/16/13; Whitlock, Mark Eugene, 1-4 cr; A-F

**3242-MU 3997 University Singers in Denmark and Sweden**

(max crs 4; 4 repeats allowed; prereq Admitted to an approved Study Abroad program, required consent from the International Education Office.)  
68351-001 LEC, 03/17/13-03/26/13; Wold, Stanley R, 1 cr; A-F

**3300-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63995-001 LEC, 1-20 cr

**3301-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63996-001 LEC, 1-20 cr

**3302-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63997-001 LEC, 1-20 cr

**3303-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63998-001 LEC, 1-20 cr

**3304-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
63999-001 LEC, 1-20 cr

**3305-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the Office of International Education.)  
64000-001 LEC, 1-20 cr

**3306-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
64001-001 LEC, 1-20 cr

**3307-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
64002-001 LEC, 1-20 cr

**3308-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
64003-001 LEC, 1-20 cr

**3309-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
64004-001 LEC, 1-20 cr

**3594-Exchange in United Kingdom**

(max crs 20; prereq Admitted to an approved Study Abroad Program, required consent from the International Education Office.)  
67362-001 LEC, 1-20 cr

**4400-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
64005-001 LEC, 1-20 cr

**4401-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
64006-001 LEC, 1-20 cr

**4402-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
64007-001 LEC, 1-20 cr

**4403-International Education**

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64008-001 LEC, 1-20 cr

**4404-International Education**  
(max crs 20; prereq Admission to an approved study abroad course requires consent from the International Education Office)  
64009-001 LEC, 1-20 cr

**4405-International Education**  
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office)  
64010-001 LEC, 1-20 cr

**4406-International Education**  
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office)  
64011-001 LEC, 1-20 cr

**4407-International Education**  
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office)  
64012-001 LEC, 1-20 cr

**4408-International Education**  
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office)  
64013-001 LEC, 1-20 cr

**4409-International Education**  
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office)  
64014-001 LEC, 1-20 cr

**FOREIGN STUDIES (FST)**

138 KPlz, 1208 Kirby Drive, Academic Administration, Duluth, MN, 55812-3011  
218/726-8764, <http://www.d.umn.edu/ieo/>

**UMD-Academic Affairs**

**1105-Study in England Program**  
(max crs 20; prereq Admitted to an approved study abroad program, required consent from the International Education Office.)  
67535-001 LEC, 1-20 cr

**1110-UMD Study in Western Australia**  
(max crs 20; prereq Admitted to an approved Study Abroad Program, required consent from the International Education Office.)  
67284-001 LEC, 1-20 cr

**1115-Exchange Program in Scandinavia**  
(max crs 20; 8 repeats allowed; prereq Admitted to an approved Study Abroad Program, required consent from the International Education Office.)  
67285-001 LEC, 1-20 cr

**1120-Foreign Study Experience**  
(max crs 40; prereq Admitted to an approved Study Abroad Program, required consent from the International Education Office)  
67282-001 LEC, 1-20 cr

**1135-UMD Exchange in Western Australia**  
(max crs 20; prereq Admitted to an approved Study Abroad Program, required consent from the International Education Office.)  
67286-001 LEC, 1-20 cr

**1145-UMD Exchange Program in England**  
(max crs 20; prereq Admission to an approved study abroad program, required consent from the International Education Office)  
67283-001 LEC, 1-20 cr

**3040-Ger 3040, Culture of Germany**  
(max crs 20; prereq Admitted to an approved Study Abroad Program, required consent from the International Education Office.)  
67996-001 LEC, 12/27/12-01/13/13, 4 cr

**3574-WS 3896Intensive Fieldwork in Mexico**  
(max crs 6; A-F only; prereq Required consent of the International Education Office)  
63199-001 FWK, 12/22/12-08/31/13; Christian, Cindy M; Woodward, Susana Pelayo, 3 cr

**4006-Comm 4949, Intercultural Communication Practicum**  
(max crs 20; S-N only; prereq Admitted to an approved Study Abroad Program, required consent from the International Education Office.)  
68294-001 LEC, 12/24/12-01/29/13, 4 cr; S-N

**4216-IntB 4495, International Business in India**  
(max crs 20; prereq Admission to an approved study abroad course. Required consent from the International

Education Office.)  
63024-001 LEC, 12/22/12-08/31/13; Vaidyanathan, Rajiv; Roline, Alan C, 1-20 cr

**5839-GEOL 5839/BIOL 5839 Coral Reef Field Study - San Salvador Bahamas**  
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)  
68230-001 LEC, 01/02/13-01/18/13; Bates, Paul W, 3 cr; A-F

**FRENCH (Fr)**

457 H, 1201 Ordean Court, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-7951, <http://www.d.umn.edu/fl/main/>

**College of Liberal Arts**

**1102-Beginning French II**  
(A-F only; prereq 1-2 yrs high school Fr or 1101 or instr consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)  
62721-001 LEC, 03:00pm-03:50pm MTThF, Chem 155; Kovacovic, Milan, 4 cr  
63248-002 LEC, 11:00am-11:50am MTThF, KPlz 385; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Haroux, Marilene Liliane Emilie, 4 cr  
64072-003 LEC, 12:00pm-12:50pm MTThF, KPlz 385; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Haroux, Marilene Liliane Emilie, 4 cr

**1202-Intermediate French II**  
(A-F only; prereq 4 yrs high school Fr or 1201 or instr consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LEIP req of LEIP CAT03)  
60872-001 LEC, 09:00am-09:50am MTThF, H 490; Lindaman, Dana Kristofor, 4 cr  
64073-002 LEC, 01:00pm-01:50pm MTThF, KPlz 385; Kovacovic, Milan, 4 cr

**2315-French Cinema**  
(A-F only; meets DLE req of Humanities; meets LE req of LE CAT9; meets LEIP req of LEIP CAT09)  
61794-090 LEC, 06:00pm-09:30pm Th, H 403; Open CE reserved seats will be available to UMD students on 01/15/2013.; 8 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Kovacovic, Milan, 4 cr

**3310-Survey: Essays, Short Stories, Poetry in the French Language**  
(A-F only; prereq 2301 with C or higher or instr consent; meets DLE req of Humanities)  
66763-001 LEC, 12:00pm-01:50pm TTh, DAdB 16A; Lindaman, Dana Kristofor, 4 cr

**3591-Independent Study**  
(max crs 8; 8 repeats allowed; A-F only; prereq 2301 with C or better, instr consent)  
60881-001 IND; Kovacovic, Milan, 1-4 cr

**4095-Special Topics (Various Titles to be Assigned)**  
(A-F only; prereq FR 2301 with a C or better or instr consent , no grad credit)  
66766-001 LEC, 03:00pm-04:50pm TTh, Engr 118; Haroux, Marilene Liliane Emilie, 4 cr

**GEOGRAPHIC INFORMATION SCIENCE (GIS)**

329 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-6300, <http://www.d.umn.edu/geog/>

**College of Liberal Arts**

**3591-Independent Study in GIS**  
(max crs 6; A-F only; prereq instructor consent)  
68668-001 IND; Charleux, Laure, 1-3 cr

**3597-Internship in GIS**  
(max crs 8; A-F; prereq GIS major with minimum 60 credits and instr consent)  
68669-001 IEX; Charleux, Laure, 3-4 cr

**5591-Independent Study in GIS**  
(max crs 6; A-F only; prereq instructor consent)  
68670-001 IND; Charleux, Laure, 1-3 cr

**GEOGRAPHY (Geog)**

329 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-6300, <http://www.d.umn.edu/geog/>

**College of Liberal Arts**

**1202-World Regional Geography**  
(A-F; meets DLE req of Global Perspectives; meets LE req

of LE CAT8; meets LEIP req of LEIP CAT08)  
61720-001 LEC, 09:00am-09:50am MWF, SCC 120; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Pine, Adam Marc, 3 cr

**1304-Human Geography**  
(A-F; meets DLE req of Social Sciences; meets LE req of LE CAT6; meets LECD req of LECD CAT06)  
62456-001 LEC, 02:00pm-03:15pm TTh, BohH 90; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Clough, Nathan L, 3 cr

**1414-Physical Geography**  
(A-F; meets DLE req of Natural Sciences; meets LE req of LE CAT4)  
-001 LEC, 08:00am-09:15am TTh, MonH 80; Zhu, Tongxin 60916-002 LAB, 08:00am-09:40am M, Cina 316; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Zhu, Tongxin, 4 cr  
60917-003 LAB, 08:00am-09:40am W, Cina 316; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Zhu, Tongxin, 4 cr  
60918-004 LAB, 08:00am-09:40am F, Cina 316; Zhu, Tongxin, 4 cr  
60919-005 LAB, 12:00pm-01:40pm M, Cina 316; Zhu, Tongxin, 4 cr  
61763-006 LAB, 12:00pm-01:40pm W, Cina 316; Zhu, Tongxin, 4 cr  
61827-007 LAB, 12:00pm-01:40pm F, Cina 316; Zhu, Tongxin, 4 cr  
61906-008 LAB, 03:00pm-04:40pm M, Cina 316; Zhu, Tongxin, 4 cr

**2306-Environmental Conservation**  
(A-F; meets DLE req of Sustainability; meets LE req of LE CAT8)  
63751-001 LEC, 03:30pm-04:45pm TTh, Cina 106; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Zhu, Tongxin, 3 cr

**2360-Geography of Religion**  
(A-F only; meets DLE req of Global Perspectives; meets LE req of LE CAT7; meets LEIP req of LEIP CAT07)  
64506-090 LEC, 06:00pm-09:20pm W, Cina 106, 01/23/13-01/23/13, 06:00pm-09:20pm W, Cina 316, 02/20/13-02/20/13, 06:00pm-09:20pm W, Cina 308, 03/27/13-03/27/13, 06:00pm-09:20pm W, Cina 102, 04/17/13-04/17/13, 06:00pm-09:20pm W, Cina 202, 05/08/13-05/08/13; Class meets in classroom January 23, February 20, March 27, April 17, and May 8, 2012. Remainder of course hours are in an online learning environment.; please schedule in Cina 316; 6 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Kuhlke, Olaf, 4 cr

**2552-Introduction to Maps and Geospatial Information**  
(A-F only; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)  
61907-001 LEC, 09:30am-10:45am TTh, MonH 203; Carlson MS, Kate, 3 cr

**3335-Urban Planning**  
(A-F; prereq Min 30 cr incl 3 cr Geog)  
63046-001 LEC, 10:00am-10:50am MWF, Cina 316; Pine, Adam Marc, 3 cr

**3401-Weather and Climate**  
(A-F; prereq 1414, 25 cr or instr consent)  
64421-001 LEC, 01:00pm-01:50pm MWF, Cina 308; Farrell, Pat, 3 cr

**3422-Natural Hazards**  
(A-F; prereq 1414, min 30 cr or instr consent)  
63752-001 LEC, 09:00am-09:50am MWF, Cina 106; Farrell, Pat, 3 cr

**3461-Geography of Global Resources**  
(A-F only; prereq Min 30 cr or instr consent; meets DLE req of Sustainability)  
62249-090 LEC, 06:00pm-08:30pm W, Cina 224; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 6 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Hartley, Susan R, 3 cr

**3481-Urban Ecology**  
(A-F)  
63206-001 LEC, 08:00am-09:15am TTh, Cina 316; Hanson PhD, Randel Dean, 3 cr

**3532-Map Design and Geographic Visualization**  
(A-F; prereq 2552 or instr consent ; Stat 1411 recommended)  
-001 LEC, 02:00pm-02:50pm TTh, H 458; Carlson MS, Kate 60962-002 LAB, 02:50pm-04:00pm TTh, H 458; Carlson MS,

# University of Minnesota – Class Schedule for Duluth Campus

# Spring 2013

Kate, 4 cr

## 3563-Geographic Information Science I: Theory and Analysis

(A-F only; prereq 2552; credit will not be granted if already received for 4563 and 4564.)

63870-090 LEC, 05:00pm-07:30pm T, H 458; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 5 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Grygo, Andrea Marie, 3 cr

## 3564-Geographic Information Science II: Applied GIS

(A-F only; prereq 3563; credit will not be granted if already received for 4563 and 4564.)

63871-001 LEC, 09:00am-10:15am MWF, H 458; Charleux, Laure, 3 cr

## 3585-Spatial Statistics & Analytical Methods

(A-F only; prereq 3563 and STAT 1411)

63931-001 LEC, 11:00am-12:40pm MWF, H 458; Charleux, Laure, 4 cr

## 3712-Geography of Latin America

(A-F; prereq Min 30 cr incl 6 cr Geog or instr consent)

63502-001 LEC, 11:00am-11:50am MWF, Cina 316; Farrell, Pat, 3 cr

## 3991-Independent Study in Geography

(max crs 6; 6 repeats allowed; A-F; prereq instr consent)

60965-001 IND; Zhu, Tongxin, 1-4 cr

## 3997-Internship in Geography

(max crs 8; 8 repeats allowed; prereq Geog major, 60 cr or instr consent)

61396-001 IEX; Zhu, Tongxin, 1-6 cr

## 4393-Political Geography

(A-F; prereq Min 75 cr inc 6 cr Geog or instr consent)

64485-001 LEC, 03:30pm-05:10pm TTh, Cina 316; Clough, Nathan L, 4 cr

## 4612-Field Techniques

(A-F; prereq Min 60 cr incl 12 cr geog or grad student or instr consent)

63128-001 LEC, 11:15am-12:55pm TTh, Cina 316; Clough, Nathan L, 4 cr

## 4990-Geography Seminar

(A-F; prereq Geography major and minimum 90 cr; no grad credit, credit will not be granted if already received for Geog 5999.)

68667-001 SEM, 01:00pm-01:50pm Th, Cina 316, 1 cr

## 5573-GIScience in Regional Sustainability Applications

(max crs 8; A-F only; prereq 3563 or 4563 or instr consent)

66846-090 LEC, 05:00pm-08:30pm W, H 458; Charleux, Laure, 4 cr

## 5581-Digital Image Processing and Analysis

(A-F only; prereq 3580 or instr consent ; credit will not be granted if already received for GEOG 4580)

63843-001 LEC, 11:00am-01:00pm TTh, H 458; Carlson MS, Kate, 4 cr

## 5991-Independent Study in Geography

(max crs 6; 6 repeats allowed; A-F; prereq Max 4 cr can be applied to Graduate School program; instr consent)

60969-001 IND; Zhu, Tongxin, 1-4 cr

## 5999-Senior Project in Geography

(max crs 4; A-F; prereq instr consent ; Max 3 cr can be applied to Grad School program)

61593-001 DRS, 03:00pm-03:50pm WF, Cina 316; Zhu, Tongxin, 3-4 cr

## GEOLOGY (Geol)

229 HH, 1114 Kirby Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3011

218/726-8385, <http://www.d.umn.edu/geology/>

## Swenson College of Science & Engineering

### 1110-Geology and Earth Systems

(A-F only; meets DLE req of Natural Sciences; meets DLE req of Sustainability; meets LE req of LE CAT4)

-001 LEC, 02:00pm-02:50pm MWF, LSci 175

60996-002 LAB, 03:00pm-04:50pm M, Chem 206, 4 cr

60998-004 LAB, 08:00am-09:50am T, Chem 206, 4 cr

60999-005 LAB, 10:00am-11:50am T, Chem 206, 4 cr

61000-006 LAB, 04:00pm-05:50pm T, Chem 206; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education, 4 cr

61001-007 LAB, 10:00am-11:50am Th, Chem 206; , 4 cr

61002-008 LAB, 03:00pm-04:50pm W, Chem 206; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; , 4 cr

61004-010 LAB, 10:00am-11:50am F, Chem 206, 4 cr

### 1120-Life and Death of the Dinosaurs

(A-F only; meets DLE req of Natural Sciences; meets LE req of LE CAT5)

62021-001 LEC, 09:30am-10:45am TTh, Chem 200; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 2 seats reserved for Continuing Education; Rausch, Deborah E, 3 cr

### 1130-Introduction to Environmental Science

(A-F only; meets DLE req of Natural Sciences; meets DLE req of Sustainability; meets LE req of LE CAT4; meets LEIP req of LEIP CAT04)

-001 LEC, 10:00am-10:50am MWF, LSci 185; Gallup, Christina D

61209-002 LAB, 11:00am-12:50pm T, Chem 207; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education, 4 cr

61210-003 LAB, 11:00am-12:50pm M, Chem 207, 4 cr

61211-004 LAB, 11:00am-12:50pm W, Chem 207, 4 cr

61212-005 LAB, 01:00pm-02:50pm F, Chem 207, 4 cr

61213-006 LAB, 04:00pm-05:50pm W, Chem 207, 4 cr

61214-007 LAB, 08:00am-09:50am Th, Chem 207, 4 cr

61215-008 LAB, 12:00pm-01:50pm Th, Chem 207, 4 cr

61900-009 LAB, 08:00am-09:50am F, Chem 207, 4 cr

63247-010 LAB, 04:00pm-05:50pm T, Chem 207, 4 cr

### 2110-Earth History

(A-F only; prereq 1110 or 1130 or 2610 or Ast 1040 or Geog 1414 or instr consent)

-001 LEC, 09:00am-09:50am MWF, Chem 150; Miller, Jim

64081-002 LAB, 01:00pm-02:50pm M, HH 114; Miller, Jim, 4 cr

64082-003 LAB, 01:00pm-02:50pm T, HH 114; Miller, Jim, 4 cr

64086-004 LAB, 10:00am-11:50am T, HH 114; Miller, Jim, 4 cr

### 2312-Petrology

(A-F only; prereq 2311)

-001 LEC, 10:00am-11:15am MW, Chem 206; Goode, John William

61176-002 LAB, 10:00am-11:50am TTh, HH 118; Goode, John William, 5 cr

62539-003 LAB, 08:00am-09:50am TTh, HH 118; Goode, John William, 5 cr

### 3091-Independent Study

(max crs 4; 4 repeats allowed; prereq instr consent)

61348-001 IND; Brown, Erik Thorson, 1-2 cr

63423-002 IND; Colman, Steve, 1-2 cr

63424-003 IND; Gallup, Christina D, 1-2 cr

63425-004 IND; Goode, John William, 1-2 cr

63426-005 IND; Gran, Karen B, 1-2 cr

63427-006 IND; Hansen, Vicki L, 1-2 cr

63428-007 IND; Johnson, Thomas Charles, 1-2 cr

63429-008 IND; Miller, Jim, 1-2 cr

63430-009 IND; Mooers, Howard D, 1-2 cr

63431-010 IND; Morton, Penelope, 1-2 cr

63432-011 IND; Morton, Ron L, 1-2 cr

63433-012 IND; Swenson, John B, 1-2 cr

63434-013 IND; Wattrus, Nigel James, 1-2 cr

### 3180-Teaching Assistant Experience I

(max crs 6; 3 repeats allowed; S-N; prereq 2110, 2120, 2311, 2312, geological sciences major, instr consent (Max 2 cr can be applied toward geological sciences major.))

62668-001 IND; , 1-2 cr

### 3996-Field Internship in Geological Sciences

(max crs 4; S-N only; prereq 2312)

66270-001 IEX; Morton, Ron L, 1-2 cr

### 4091-Geologic Problems and Research

(max crs 4; A-F only; prereq instr consent , no Grad School cr)

62473-001 DRS; Brown, Erik Thorson, 1-2 cr

63435-002 DRS; Colman, Steve, 1-2 cr

63436-003 DRS; Gallup, Christina D, 1-2 cr

63437-004 DRS; Goode, John William, 1-2 cr

63438-005 DRS; Gran, Karen B, 1-2 cr

63439-006 DRS; Hansen, Vicki L, 1-2 cr

63440-007 DRS; Johnson, Thomas Charles, 1-2 cr

63441-008 DRS; Miller, Jim, 1-2 cr

63442-009 DRS; Mooers, Howard D, 1-2 cr

63443-010 DRS; Morton, Penelope, 1-2 cr

63444-011 DRS; Morton, Ron L, 1-2 cr

63445-012 DRS; Swenson, John B, 1-2 cr

63446-013 DRS; Wattrus, Nigel James, 1-2 cr

### 4110-Advanced Earth Science for Teachers

(A-F only; prereq 1110, 2110 or 2120 or 3210, AST 1040, EDSE 3204, teaching science majors or grad student or instr consent ; no grad credit)

62121-001 LEC, 03:00pm-04:50pm W, HH 120; Miller, Jim, 2 cr

### 4180-Teaching Assistant Experience II

(max crs 4; S-N; prereq Geol core, geological sciences major, instr consent ; max 2 cr can be applied toward geological sciences major; no Grad cr)

62686-001 IND, 1-2 cr

### 4240-Physical Hydrogeology

(A-F only; prereq 2110, Phys 2011 or 2013 and 2014, Math 1296 or Math 1290 or grad student or instr consent ; credit will not be granted if already received for 5240)

-001 LEC, 08:00am-08:50am MWF, HH 216; Mooers, Howard D

62540-002 LAB, 09:00am-10:50am F, HH 108; Mooers, Howard D, 4 cr

62541-003 LAB, 12:00pm-01:50pm F, HH 108; Mooers, Howard D, 4 cr

### 4450-Structural Geology

(A-F only; prereq 2312 or instr consent ; credit will not be granted if already received for 3520)

-001 LEC, 01:00pm-02:50pm M, Chem 207, 01:00pm-

01:50pm W, Chem 207; Hansen, Vicki L

62192-002 LAB, 03:00pm-04:50pm M, Chem 207, 02:00pm-03:50pm W, Chem 207; Hansen, Vicki L, 5 cr

### 4480-Tectonics

(A-F only; prereq 2120, 4450, or grad student or instr consent ; credit will not be granted if already received for 5500)

62545-001 LEC, 02:00pm-03:15pm TTh, Chem 206; Goode, John William, 3 cr

### 5091-Geologic Problems

(max crs 4; 4 repeats allowed; prereq Graduate Student or instr consent)

63447-001 IND; Brown, Erik Thorson, 1-2 cr

63448-002 IND; Colman, Steve, 1-2 cr

63449-003 IND; Gallup, Christina D, 1-2 cr

63450-004 IND; Goode, John William, 1-2 cr

63451-005 IND; Gran, Karen B, 1-2 cr

63452-006 IND; Hansen, Vicki L, 1-2 cr

63453-007 IND; Johnson, Thomas Charles, 1-2 cr

63454-008 IND; Miller, Jim, 1-2 cr

63455-009 IND; Mooers, Howard D, 1-2 cr

63456-010 IND; Morton, Penelope, 1-2 cr

63457-011 IND; Morton, Ron L, 1-2 cr

63458-012 IND; Swenson, John B, 1-2 cr

63634-013 IND; Wattrus, Nigel James, 1-2 cr

### 5100-Seminar

(max crs 4; 4 repeats allowed; prereq instr consent)

68126-001 SEM; Time and place to be arranged.; Deardorff, Nicholas D, 1-2 cr

### 5321-Theory, Practice of Scanning Electron Microscopy and X-Ray Microanalysis in Lectures

(A-F only; prereq Min 75 cr, Chem 1152 or 1156, Phys 2012 or 2015 and 2016, or Grad student or instr consent)

-001 LEC, 09:00am-10:50am M, Chem 153; Bandli, Bryan Robert

63243-002 LAB, 09:00am-10:50am W, MWAH 55; Bandli, Bryan Robert, 3 cr

### 8094-Geologic Research

(max crs 6; A-F only; prereq instructor consent)

61422-001 DRS; Brown, Erik Thorson, 1-6 cr

63459-002 DRS; Colman, Steve, 1-6 cr

63460-003 DRS; Gallup, Christina D, 1-6 cr

63461-004 DRS; Goode, John William, 1-6 cr

63462-005 DRS; Gran, Karen B, 1-6 cr

63463-006 DRS; Hansen, Vicki L, 1-6 cr

63464-007 DRS; Johnson, Thomas Charles, 1-6 cr

63465-008 DRS; Miller, Jim, 1-6 cr

63466-009 DRS; Mooers, Howard D, 1-6 cr

63467-010 DRS; Morton, Penelope, 1-6 cr

63468-011 DRS; Morton, Ron L, 1-6 cr

63469-012 DRS; Swenson, John B, 1-6 cr

63470-013 DRS; Wattrus, Nigel James, 1-6 cr

### 8333-FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)

60844-001 DRS, 1 cr

### 8444-FTE: Doctoral

(NGA; prereq prereq doctoral student, adviser and DGS consent)

61669-001 DRS, 1 cr

### 8666-Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))

61678-001 THE, 1-6 cr

### 8777-Thesis Credit: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18

cr per semester or summer; 10 cr total required (Plan A only)

- 61694-001 THE; Brown, Erik Thorson, 1-18 cr
- 63471-002 THE; Colman, Steve, 1-18 cr
- 63472-003 THE; Gallup, Christina D, 1-18 cr
- 63473-004 THE; Goodge, John William, 1-18 cr
- 63474-005 THE; Gran, Karen B, 1-18 cr
- 63475-006 THE; Hansen, Vicki L, 1-18 cr
- 63476-007 THE; Johnson, Thomas Charles, 1-18 cr
- 63477-008 THE; Miller, Jim, 1-18 cr
- 63478-009 THE; Mooers, Howard D, 1-18 cr
- 63479-010 THE; Morton, Penelope, 1-18 cr
- 63480-011 THE; Morton, Ron L, 1-18 cr
- 63481-012 THE; Swenson, John B, 1-18 cr
- 63482-013 THE; Wattruss, Nigel James, 1-18 cr

**8888-Thesis Credits: Doctoral**

(max crs 100; 10 repeats allowed; NGA; prereq [max 18 cr per semester or summer]; 24 cr required)

- 61705-001 THE; Brown, Erik Thorson, 1-24 cr
- 63483-002 THE; Colman, Steve, 1-24 cr
- 63484-003 THE; Gallup, Christina D, 1-24 cr
- 63485-004 THE; Goodge, John William, 1-24 cr
- 63486-005 THE; Gran, Karen B, 1-24 cr
- 63487-006 THE; Hansen, Vicki L, 1-24 cr
- 63488-007 THE; Johnson, Thomas Charles, 1-24 cr
- 63489-008 THE; Miller, Jim, 1-24 cr
- 63490-009 THE; Mooers, Howard D, 1-24 cr
- 63491-010 THE; Morton, Penelope, 1-24 cr
- 63492-011 THE; Morton, Ron L, 1-24 cr
- 63493-012 THE; Swenson, John B, 1-24 cr
- 63494-013 THE; Wattruss, Nigel James, 1-24 cr

**GERMAN (Ger)**

457 H, 1201 Ordean Court, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-7951, <http://www.d.umn.edu/fl/main/>

**College of Liberal Arts**

**1102-Beginning German II**

(A-F only; prereq 1-2 yrs high school Ger or 1101 or instr consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)

- 60859-001 LEC, 09:00am-09:50am MTWTh, Library 409; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Nolan, Daniel, 4 cr
- 63540-002 LEC, 01:00pm-01:50pm MTThF, H 464; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Zinn, Gesa, 4 cr

**1202-Intermediate German II**

(A-F only; prereq 4 yrs high school Ger or 1201 or instr consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LEIP req of LEIP CAT03)

- 60860-001 LEC, 09:00am-09:50am MTThF, H 464; Hylenski, Kristen, 4 cr
- 61795-002 LEC, 01:00pm-01:50pm MTThF, H 468; Mullins, Michael John, 4 cr

**2301-Advanced German**

(A-F only; prereq 5 yrs high school Ger or 1202 or instr consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LEIP req of LEIP CAT03)

- 66856-001 LEC, 10:00am-10:50am MTThF, H 464; Hylenski, Kristen, 4 cr

**2402-Germany Today**

(A-F only; meets DLE req of Humanities; meets LE req of LE CATS; meets LEIP req of LEIP CAT08)

- 66777-001 LEC, 11:00am-11:50am MWF, H 464; Mullins, Michael John, 3 cr

**3302-Advanced Composition and Conversation**

(A-F only; prereq 2301; meets DLE req of Oral Communication & Languages)

- 61878-001 SEM, 12:00pm-12:50pm MTThF, H 464; Hylenski, Kristen, 4 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)

- 60861-001 IND; Zinn, Gesa, 1-4 cr

**4302-German Women Writers and Filmmakers**

(A-F only; prereq 2301 or instr consent ; no Grad School credit; meets DLE req of Humanities)

- 66778-001 LEC, 02:00pm-03:50pm MW, H 464; Zinn, Gesa, 4 cr

**GRADUATE SCHOOL (Grad)**

**UMD-Academic Affairs**

**999-Graduate School Active Status**

(90 repeats allowed; NGA; prereq Grad Students Only)

61961-001 IND, 0 cr

**HEALTH (Hlth)**

110 SpHC, 1216 Ordean Court, College of Education and Human Service Professions, Duluth, MN, 55812-3011  
218/726-7120, <http://www.d.umn.edu/hper/>

**College of Education & Human Service Professions**

**1100-Health and Wellness Strategies for Life**

(A-F only; meets LE req of LE CATS)

- 61829-001 LEC, 09:00am-09:50am MWF, SpHC 210; Jensen, Nancy Ann, 3 cr
- 61843-002 LEC, 11:00am-11:50am MWF, SpHC 207; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Wendinger, Patricia J, 3 cr
- 61991-003 LEC, 01:00pm-01:50pm MWF, SpHC 8; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 2 seats reserved for Continuing Education; Wendinger, Patricia J, 3 cr
- 63904-004 LEC, 09:30am-10:45am TTh, H 403; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Harkins, Charlene Gail, 3 cr

**1104-Health Science Terminology**

(max crs 3; 3 repeats allowed; A-F only)

- 60882-200 INI; (Open CE reserved seats will be available to UMD students on 01/15/13); 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Skrbich, Karen O, 1-3 cr

**1470-Human Nutrition**

(A-F only; meets LE req of LE CATS)

- 60883-001 LEC, 01:00pm-01:50pm MWF, MonH 70; 4 seats reserved for Continuing Education; Jensen, Nancy Ann, 3 cr
- 63906-002 LEC, 10:00am-10:50am MWF, MonH 80; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 2 seats reserved for Continuing Education; Jensen, Nancy Ann, 3 cr
- 63226-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Harkins, Charlene Gail, 3 cr

**1600-Basic First Aid and CPR**

(A-F only)

- 61858-003 LEC, 10:00am-10:50am MW, SpHC 8; Skrbich, Karen O, 2 cr

**1650-CPR/AED for the Professional Rescuer**

(A-F only)

- 66532-090 LEC, 06:00pm-07:50pm M, SpHC 8, 01/22/13-03/15/13; Fleissner, Elizabeth A, 1 cr

**1700-First Responder**

(A-F only)

- 61413-001 LEC, 08:00am-08:50am MWF, SpHC 8; Fleissner, Elizabeth A, 3 cr
- 61751-002 LEC, 11:00am-11:50am MWF, SpHC 8; Skrbich, Karen O, 3 cr
- 63321-003 LEC, 09:30am-10:45am TTh, SpHC 8; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Skrbich, Karen O, 3 cr

**2030-Applied Human Anatomy**

(A-F only; prereq Athletic training, hlth ed or pe or exer sci or rec major or cand, [Biol 1001 or Biol 1011] and [Chem 1102 or Chem 1113]; credit will not be granted if already received for Biol 1761)

- 001 LEC, 01:00pm-01:50pm MTWF, MonH 203; Nierengarten, Mark Edward
- 63096-002 LAB, 08:00am-09:15am Th, SpHC 207; Nierengarten, Mark Edward, 4 cr
- 63237-003 LAB, 09:30am-10:45am Th, SpHC 207; Nierengarten, Mark Edward, 4 cr

**2040-Principles of Human Physiology**

(A-F only; prereq Athletic training or hlth ed or pe or rec or ex sci majors or cand or hlth ed minor, 1 sem each of college Biol, Chem, Anat recommended)

- 61368-001 LEC, 11:00am-11:50am MTWF, MonH 70; Keener PhD, John R, 4 cr

**3101-Community Health**

(A-F only)

- 61375-001 LEC, 02:00pm-03:15pm TTh, SpHC 208; Tornabene, Ladona L, 3 cr

**3115-Consumer Health Education**

(A-F only; prereq Min 30 credits)

- 63295-001 LEC, 09:00am-09:50am MWF, LSBE 233; Harkins, Charlene Gail, 3 cr
- 66540-002 LEC, 01:00pm-01:50pm MWF, EduE 36; Harkins, Charlene Gail, 3 cr

**3117-Principles of Sex Education**

(A-F only; prereq hlth ed cand or instr consent)

- 60906-001 LEC, 09:30am-10:45am TTh, SpHC 210; Keeney, Georgia Lynn, 3 cr

**3118-Women's Health Issues**

(A-F only)

- 60911-090 LEC, 06:00pm-08:50pm T, SpHC 208; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 4 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Doane PhD, H Mitzi, 3 cr

**3202-Drug Education**

(A-F only; prereq 45 cr, for students seeking and admitted to the STEP (Secondary Teaching Education program), cand in health education, physical education, exercise science and communication sciences and disorders or instr consent.)

- 60954-001 LEC, 02:00pm-02:50pm TTh, MonH 80; Skrbich, Karen O, 2 cr

**3301-Foundations of Health Education and Promotion**

(A-F only; prereq 1100, hlth ed cand or instr consent)

- 62786-001 LEC, 10:00am-10:50am MWF, SpHC 208; Keeney, Georgia Lynn, 3 cr

**3302-School Health Education Methods and Materials**

(A-F only; prereq 3301, hlth ed cand or instr consent)

- 60953-001 LEC, 01:00pm-01:50pm MWF, SpHC 208; Keeney, Georgia Lynn, 3 cr

**3303-Health Education and Promotion Program**

(Credit will not be granted if credit has been received for: HLTH 3450; A-F only; prereq Concurrent registration is required (or allowed) in 3301, hlth ed cand or instr consent)

- 62736-001 LEC, 01:00pm-01:50pm MW, SpHC 212; Versnik Nowak PhD, Amy L, 3 cr

**3305-Community Health Methods and Strategies**

(A-F only; prereq 3301, 3303, hlth ed cand or instr consent)

- 62056-001 LEC, 02:00pm-03:50pm MW, SpHC 212; Versnik Nowak PhD, Amy L, 4 cr

**3307-Conducting and Managing Worksite Health Promotion Programs**

(A-F only; prereq 3303 or Concurrent registration is required (or allowed) in 3303 or exercise science major or instr consent)

- 63323-001 LEC, 09:00am-09:50am MWF, SpHC 8; Skrbich, Karen O, 3 cr

**3341-Death Education**

(A-F only; prereq credit will not be granted if already received for 5341; meets DLE req of Cultural Diversity in the US)

- 62993-001 LEC, 03:00pm-05:50pm Th, SpHC 207; Doane PhD, H Mitzi, 3 cr

**4996-Internship in Health Education**

(max crs 15; 3 repeats allowed; S-N only; prereq hlth ed major, instr consent ; no Grad School credit)

- 61377-001 IEX; Tornabene, Ladona L, 1-15 cr
- 63227-002 IEX; Versnik Nowak PhD, Amy L, 1-15 cr

**HEALTH CARE MANAGEMENT (HCM)**

219L LSBE, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812-3011

218/726-6695,

<https://lsbe.d.umn.edu/healthcare/healthcare.php>

**Labovitz School of Business & Economics**

**4520-Health Care Organization and Management**

(A-F; prereq LSBE candidate or college consent , MgtS 340L preferred but not required, no Grad School cr)

- 63749-001 LEC, 11:00am-11:50am MWF, LSBE 225; Dauner, Kim Nichols, 3 cr

**4530-Legal Aspects of and Ethics in Health Care**

(A-F; prereq LSBE candidate or college consent , no Grad School cr)

- 64395-001 LEC, 11:00am-12:15pm TTh, LSBE 229; Bateman, Charles, 3 cr

**4550-Health Care Finance**

(A-F; prereq 4520, FMIS 3601, LSBE cand or college consent , no Grad School cr)

- 62658-001 LEC, 10:00am-10:50am MWF, LSBE 225; Schultz, Jennifer, 3 cr

**4560-International Comparisons of Health Care Systems**

(A-F; prereq LSBE candidate or college consent , no Grad School cr)



63107-001 LEC, 09:00am-09:50am MWF, LSBE 225; Dauner, Kim Nichols, 3 cr

**4570-Health Care Quality Management**  
(A-F; prereq 4520, LSBE cand or college consent ; no Grad School cr)

62689-001 LEC, 09:30am-10:45am TTh, LSBE 225; Klingner, Jill M, 3 cr

**4591-Independent Study**  
(max crs 3; A-F; prereq LSBE candidate, instr consent , no Grad School cr)

62484-001 IND; Schultz, Jennifer, 1-3 cr

**4597-Internship**  
(A-F; prereq LSBE candidate, consent of program director or internship director, no Grad School cr)

62475-001 IEX; Dauner, Kim Nichols, 3 cr

**HEALTH, PHYSICAL EDUCATION AND RECREATION (HPER)**

110 SpHC, 1216 Ordean Court, College of Education and Human Service Professions, Duluth, MN, 55812-3011  
218/726-7120, <http://www.d.umn.edu/hper/>

**College of Education & Human Service Professions**

**3000-Organization and Administration of Health, Physical Education, and Recreation**

(A-F only; prereq hlth ed or pe or exer sci or rec cand or instr consent)

61728-001 LEC, 12:00pm-12:50pm MWF, SpHC 210; Fleissner, Elizabeth A, 3 cr

**3200-Research and Evaluation in Health Science**

(A-F only; prereq Min 60 cr, Health ed major or minor or rec major or minor or instr consent)

61403-001 LEC, 02:00pm-03:15pm TTh, SpHC 210; Ernst, Julie Ann, 3 cr

**3300-Health and Physical Education in the Elementary School**

(A-F only; prereq EIEd Major)

63633-001 LEC, 12:00pm-01:50pm TTh, SpHC 150A, 12:00pm-01:50pm TTh, . TBA; This course runs the full semester but instruction is split between classroom instruction and online instruction. This section will meet in SpHC 208 on the first day.; Skrbich, Karen O; Knapp, Jim L, 3 cr

63893-002 LEC, 12:00pm-01:50pm TTh, . TBA, 12:00pm-01:50pm TTh, SpHC 208; This course runs the full semester but instruction is split between classroom instruction and online instruction. This section will begin online.; Skrbich, Karen O; Knapp, Jim L, 3 cr

**HISTORY (Hist)**

265 ABAH, 1121 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-7253, <http://www.d.umn.edu/hist>

**College of Liberal Arts**

**1207-Dawn of Modern Europe**

(A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)

68716-001 LEC, 03:00pm-03:50pm MWF, ABAH 225; , 3 cr

67310-090 LEC; Open CE reserved seats will be available to UMD students one week before the start of the semester., 3 cr

**1208-Europe in the Modern Age**

(A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)

63111-001 LEC, 12:00pm-12:50pm MWF, MonH 203; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Pogorelskin, Alexis E, 3 cr

**1304-US History Part I: 1607-1877**

(A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)

63563-001 LEC, 08:00am-08:50am MWF, ABAH 225; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Mailer, Gideon Alexander, 3 cr

67311-090 LEC; Open CE reserved seats will be available to UMD students one week before the start of the semester., 3 cr

**1305-US History Part II: 1865-Present**

(A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)

62580-090 LEC, 06:00pm-08:50pm M, ABAH 225, 3 cr

**2365-Russia in the 20th Century**

(A-F only; prereq credit will not be granted if already received for HIST 2265; meets DLE req of Global Perspectives; meets LE req of LE CAT7; meets LEIP req of LEIP

CAT07)

62795-001 LEC, 10:00am-10:50am MWF, ABAH 225; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Pogorelskin, Alexis E, 3 cr

**2410-Modern China, Japan, Korea, Vietnam and East Asia (A-F only)**

64493-001 LEC, 09:30am-10:45am TTh, ABAH 245; Fang, Qiang, 3 cr

**3038-History of Christianity: Origins to 1054**

(A-F only; prereq credit will not be granted if already received for HIST 3238)

64070-001 LEC, 03:30pm-04:45pm TTh, ABAH 235; Matthews, Steve, 3 cr

**3055-The Ancient Near East**

(A-F only; prereq Min 30 cr; credit will not be granted if already received for HmCl 3055 or Cst 3055)

68715-001 LEC, 09:30am-10:45am TTh, KPlz 312, 3 cr

**3091-Directed Readings in History**

(max crs 16; 16 repeats allowed; A-F only; prereq instr consent)

60982-001 DRD; Matthews, Steve, 1-4 cr

**3095-Special Topics: (Various Titles to be Assigned)**

(max crs 15; 5 repeats allowed; A-F only)

66446-001 LEC, 02:00pm-02:50pm MWF, ABAH 235; Mailer, Gideon Alexander, 3 cr; T: Religion in Colonial North America

**3097-Internship in History**

(max crs 6; 6 repeats allowed; A-F only; prereq 60 cr, instr consent)

60983-001 IEX; Matthews, Steve, 1-3 cr

**3099-Practicum in Teaching History**

(max crs 6; A-F only; prereq History major, completion of 20 cr of 2xxx and above history courses with GPS of 3.3, completion of 90 credits, instr consent)

62203-001 PRC; Matthews, Steve, 3 cr

**3121-The Age of the Heroes: Homer and his World**

(A-F only; prereq Min 30 cr; Credit will not be granted if already received for HmCl 3021 or Cst 3021 or HIST 3021)

62796-001 LEC, 06:00pm-08:50pm W, KPlz 312; Marchese, Ron T., 3 cr

**3141-The Roman Empire: The Imperial Republic and Imperial Age to Marcus Aurelius**

(A-F only; prereq Credit will not be granted if already received for HmCl 3041 or HIST 3041)

62325-001 LEC, 06:00pm-08:50pm T, KPlz 312; Marchese, Ron T., 3 cr

**3257-Modern France**

(A-F only)

66445-001 LEC, 01:00pm-01:50pm MWF, ABAH 235; Yelengi, Nkasa Tekilaz, 3 cr

**3318-Slavery, Lincoln and the Civil War**

(A-F only)

68717-001 LEC, 03:30pm-04:45pm TTh, ABAH 225, 3 cr

**3346-History of Hollywood**

(A-F only; prereq credit will not be granted if already received for HIST 3246)

64065-001 LEC, 02:00pm-02:50pm MWF, ABAH 225; Pogorelskin, Alexis E, 3 cr

**3463-History of Modern China**

(A-F only)

66649-001 LEC, 02:00pm-03:15pm TTh, ABAH 245; Fang, Qiang, 3 cr

**3505-Colloquium for Majors**

(max crs 2; S-N only; prereq 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))

60987-001 COL, 03:00pm-03:50pm W, ABAH 235; Matthews, Steve, 1-2 cr

**3615-Modern Africa**

(A-F only; prereq credit will not be granted if already received for HIST 3515)

67510-001 LEC, 09:00am-09:50am MWF, ABAH 225; Yelengi, Nkasa Tekilaz, 3 cr

**3616-Society and Culture in 20th-Century Africa**

(A-F only; prereq credit will not be granted if already received for HIST 3516)

66858-001 LEC, 02:00pm-03:15pm TTh, VKH 221; Yelengi, Nkasa Tekilaz, 3 cr

**3825-Islamic History from Muhammad to the Ottomans**

(A-F only; prereq minimum 30 credits; credit will not be granted if already received for HIST 3725)

64071-001 LEC, 06:00pm-08:00pm M, ABAH 445; Stanfield-

Johnson, Rosemary, 4 cr

**5094-Directed Research**  
(max crs 12; 3 repeats allowed; A-F only; prereq instr consent , max 4 cr may be applied to Grad School program)

60990-001 DRS; Matthews, Steve, 4 cr

**5905-History Seminar**

(max crs 8; A-F only; prereq instr consent)

67511-001 LEC, 03:00pm-06:20pm W, SpHC 210; Fang, Qiang, 4 cr

**HONORS (Hon)**

365 ABAH, 1121 University Drive, Academic Administration, Duluth, MN, 55812-3011  
726/726-8548, <http://www.d.umn.edu/honors/main/>

**UMD-Academic Affairs**

**400-Honors Capstone Seminar**

(S-N; prereq Honors student; meets HON req of Honors)

62667-001 DRS, 04:30pm-05:30pm W, BohH 343, 0 cr

**1101-Honors Freshman Seminar**

(A-F only; prereq Honors Student; meets HON req of Honors)

64573-001 SEM, 06:00pm-08:00pm T, H 468; Sharp, Paul, 2 cr

**3095-Special Topics: (Various Titles to be Assigned)**

(max crs 12; 3 repeats allowed; A-F only; prereq Honors Student, 30 credits and instr consent; meets HON req of Honors)

63936-001 LEC, 08:00am-09:50am TTh, HH 216, 1-4 cr; T:Writing Wrongs:Studies Literature & Human Rights

**4095-Special Topics: (Various Titles to be Assigned)**

(max crs 12; 3 repeats allowed; A-F only; prereq Honors students, 60 cr and instr consent ; no grad credit; meets HON req of Honors)

63937-001 LEC, 1-4 cr

**INDUSTRIAL ENGINEERING (IE)**

105 VKH, 1305 Ordean Court, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
218/726-6161, <http://www.d.umn.edu/mie>

**Swenson College of Science & Engineering**

**3115-Operations Research**

(A-F only; prereq Math 3280, Stat 3411, BSIE candidate or instr consent)

62889-001 LEC, 10:00am-11:50am T, EduE 40, 10:00am-11:50am Th, Engr 204; Tues in classroom, Thur 204 Engr; Chen, Hongyi, 4 cr

**3122-Materials Engineering Laboratory**

(A-F; prereq 1225, BSIE or BSME candidate, Concurrent registration is required (or allowed) in 3130)

-001 LEC, 12:00pm-12:50pm M, Engr 280; Dryke, Jake, 2 cr

62891-002 LAB, 01:00pm-02:50pm T, VKH 170; Dryke, Jake, 2 cr

62892-003 LAB, 01:00pm-02:50pm Th, VKH 170; Dryke, Jake, 2 cr

63026-005 LAB, 10:00am-11:50am T, VKH 170; Dryke, Jake, 2 cr

63112-006 LAB, 10:00am-11:50am Th, VKH 170; Dryke, Jake, 2 cr

**3125-Engineering Economic Analysis**

(A-F only; prereq Stat 3411 or 3611, engineering candidate or instr consent; meets DLE req of Social Sciences)

62672-001 LEC, 11:00am-11:50am MWF, Engr 118; Zierden, Heidi Sue, 3 cr

**3130-Materials Processing Engineering**

(A-F; prereq Engr 2110, Engr 2016, Concurrent registration is required (or allowed) in Stat 3411.)

62893-001 LEC, 02:00pm-02:50pm MWF, Engr 290; Enemuoh PhD, Emmanuel U., 3 cr

**3222-Occupational Systems Laboratory**

(A-F; prereq 3140, Concurrent registration is required (or allowed) in 4020 or #, credit will not be granted if already received for 3105, 3265)

-001 LEC, 01:00pm-01:50pm F, VKH 201; Feyen, Robert G 62943-002 LAB, 01:00pm-02:50pm Th, VKH 201, 2 cr

62944-003 LAB, 10:00am-11:50am Th, VKH 201; Feyen, Robert G, 2 cr

**4010-Six Sigma Quality Control**

(Credit will not be granted if credit has been received for IE 3255; A-F; prereq Che 2011 or Stat 3411 or 3611, engineering candidate, no Grad School cr)

62901-001 LEC, 10:00am-10:50am MWF, Engr 118; MWF in classroom, W in PC lab; Zierden, Heidi Sue, 3 cr

**4020-Lean Production Management**

(Credit will not be granted if credit has been received for IE 3265; A-F; prereq 3125 or Che 4501 or instr consent , no Grad School cr)

62903-001 LEC, 09:00am-09:50am MWF, Engr 290; Meets with: 64420 EMGT 5240; Natarajan, Gana, 3 cr

**4196-Cooperative Education**

(Credit will not be granted if credit has been received for: ME 4196; max crs 2; A-F only; prereq BSIE candidate, no Grad School cr)

61431-001 IEX, instruction mode: Distance Education Other; Rosandich PhD, Ryan G, 1 cr

**4255-Multidisciplinary Senior Design**

(Credit will not be granted if credit has been received for: ME 4255; A-F only; prereq 4115, EMGT 4110, BSIE cand, or instr consent ; no Grad School credit)

-001 LEC, 03:00pm-04:50pm T, Engr 177; Meets with: 61995 ME 4255; Pedersen PhD, Bill; Enemuoh PhD, Emmanuel U.

61309-002 LAB, 01:00pm-04:50pm Th, Engr 260; Pedersen PhD, Bill, 4 cr

**4491-Independent Study**

(max crs 4; 4 repeats allowed; A-F only; prereq BSIE or BSME cand, dept consent)

61432-001 IND, 1-4 cr

**4993-Industrial Engineering Seminar**

(max crs 2; S-N only; prereq BSIE or BSChE or BSECE or BSME or MEHS cand or instr consent ; no Grad credit)

61973-001 LEC, 12:00pm-12:50pm M, VKH 221; Meets with: 62223 EMGT 8993; Greminger, Michael Allen, 1 cr

**5325-Advanced Engineering Economics**

(A-F only; prereq 3125, BSIE or MSEM cand or dept consent)

62553-811 LEC, 06:00pm-08:40pm T, . TBA; Natarajan, Gana, 3 cr

68331-812 LEC, 06:00pm-08:40pm T, . TBA, OFFCOMPUMD; HIBBING Registrations only; Natarajan, Gana, 3 cr

68332-813 LEC, 06:00pm-08:40pm T, . TBA, OFFCOMPUMD; VIRGINIA registrations only; Natarajan, Gana, 3 cr

**INTEGRATED BIOSCIENCES (IBS)**

162 Med School, 1035 University Drive, School of Medicine, Duluth, MN, 55812-3011

218/726-6898, <http://www.d.umn.edu/ibs/>

**Swenson College of Science & Engineering**

**5101-Biochemistry and Molecular Biology**

(A-F; prereq Chem 4341 or equiv)

62680-001 LEC, 01:00pm-02:15pm TTh, . TBA; Heikal, Ahmed A; Scott, Patricia Margaret; Mereddy, Venkatram R; Drewes, Lester R; Sheets, Erin D, 3 cr

**8012-Integrated Evolutionary Processes**

(A-F only; prereq 8011, IBS Grad student)

62560-001 LEC, 08:00am-08:50am MW, Chem 251; Etterson, Julie R., 2 cr

**8102-Cell, Molecular and Developmental Biology**

(A-F; prereq 5101, Chem 4342 or equivalent, IBS Grad School student)

62938-001 LEC, 03:00pm-04:15pm TTh, Chem 251; Schoff, Patrick K, 3 cr

**8201-Ecological Processes**

(A-F only; prereq 8011, IBS Grad student)

62562-001 LEC, 03:00pm-04:50pm W, SSB 115; Niemi, Gerald John, 2 cr

**8333-FTE: Master's**

(NGA; prereq Master's student, adviser and DGS consent)

63241-001 DRS, 1 cr

**8444-FTE: Doctoral**

(NGA; prereq Doctoral student, adviser and DGS consent)

63386-001 THE, 1 cr

**8666-Doctoral Pre-Thesis Credits**

(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

63370-001 THE, 1-6 cr

**8777-Thesis Credits: Master's**

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))

62690-001 THE, 1-18 cr

**8888-Thesis Credit: Doctoral**

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

63371-001 THE, 1-24 cr

**8980-Special Topics: (Various Titles to be Assigned)**

(A-F only; prereq 8011, 8012, 8103)

63556-001 LEC; Niemi, Gerald John, 2 cr

**INTEGRATED ELEMENTARY SPECIAL EDUCATION (IESE)**

150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN, 55812-3029

218/726-7233, <http://www.d.umn.edu/educ/>

**College of Education & Human Service Professions**

**1010-Introduction to Elementary Education**

(A-F only; prereq Pre elementary education student; credit will not be granted if already received for ELED 1010)

64041-001 DEM, 02:00pm-03:15pm TTh, EduE 51; Dietrich, Jane Ellen, 3 cr

64042-002 DEM, 03:30pm-04:45pm TTh, EduE 51; Dietrich, Jane Ellen, 3 cr

**2001-Diversity and Education Implications**

(A-F only; prereq Pre-IESE Candidate, 1010; credit will not be granted if already received for ELED 2001)

64043-001 LEC, 08:00am-09:15am TTh, EduE 16; Hazareesingh, Nedra A, 3 cr

64044-002 LEC, 01:00pm-03:50pm W, BohH 343; Hazareesingh, Nedra A, 3 cr

**3325-Foundations of Literacy and Language**

(A-F only; prereq Admission to the elementary education program, 3331; credit will not be granted if already received for ELED 3325)

61359-001 LEC, 08:00am-09:15am TTh, MonH 151; Practicum arr; Stevenson PhD, Jean Myers, 3 cr

**3326-Advanced Literacy & Language: Designing & Implementing a Comprehensive Literacy Program**

(A-F only; prereq IESE candidate, 3325; credit will not be granted if already received for ELED 3326)

64045-001 LEC, 03:30pm-05:10pm T, MonH 121; Stevenson PhD, Jean Myers, 2 cr

**3331-Children's Literature in the Elementary School**

(A-F only; prereq Pre-IESE, Sophomore standing, 1010 and ECH 2025; credit will not be granted if already received for ELED 3331.)

61365-001 LEC, 04:00pm-06:30pm M, EduE 51; Practicum arr; Stevenson PhD, Jean Myers, 3 cr

63579-002 LEC, 04:00pm-06:30pm T, SpHC 210; Practicum arr; , 3 cr

**3355-Elementary Mathematics Methods I**

(A-F only; prereq IESE Candidate, 4366; credit will not be granted if already received for ELED 3355)

64047-001 DEM, 09:00am-09:50am MF, MonH 121; Kwako, Joan, 2 cr

**3356-Elementary Mathematics Methods II**

(A-F only; prereq IESE candidate, 3355; credit will not be granted if already received for ELED 3356)

65495-001 DEM, 09:30am-10:45am TTh, MonH 121; Kwako, Joan, 3 cr

**4344-Teaching Science and Environmental Education I**

(A-F only; prereq IESE candidate, 3325, no Grad School cr; credit will not be granted if already received for ELED 4344)

62196-001 LEC, 02:00pm-03:15pm TTh, MonH 151; Practicum arr; Zak, Kevin Michael, 3 cr

**4346-Teaching Science & Environmental Education II**

(A-F only; prereq IESE candidate, 4344; no grad school credit; credit will not be granted if already received for ELED 4346)

65497-001 LEC, 10:00am-10:50am MF, MonH 151; Zak, Kevin Michael, 2 cr

**4366-Teaching Elementary Social Studies I**

(A-F only; prereq IESE Candidate; no Grad School cr; credit will not be granted if already received for ELED 4366)

64049-001 DEM, 02:00pm-03:15pm TTh, EduE 16; , 3 cr

**4367-Teaching Elementary Social Studies II**

(A-F only; prereq IESE candidate, 4366; no grad school credit; credit will not be granted if already received for ELED 4367)

64050-001 DIS, 03:30pm-05:10pm Th, EduE 16; , 2 cr

**INTERDISCIPLINARY STUDIES (IS)**

203 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011

218/726-6369, <http://www.d.umn.edu/cia/>

**College of Liberal Arts**

**3093-Senior Project**

(max crs 10; A-F only; prereq instr consent ; credit will not be granted if already received for IS 3099)

60894-001 DST; Kuhlke, Olaf, 1-10 cr

**INTERNATIONAL STUDIES (IntS)**

304 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011

218/726-7534, <http://www.d.umn.edu/pol/>

**College of Liberal Arts**

**1191-International Study**

(max crs 15; 15 repeats allowed; A-F only; prereq dept consent)

61005-001 IND, 1-5 cr

**4100-Seminar in International Studies**

(A-F only; prereq Pol 1050, 60 cr incl 8 upper div cr approved IntS courses and instr consent)

66779-001 LEC, 10:00am-11:50am MW, Cina 202; International Feminist Politics; Caprioli, Mary, 4 cr

**JOURNALISM (Jour)**

457 H, 1201 Ordean Court, College of Liberal Arts, Duluth, MN, 55812-3011

218/726-8131, <http://www.d.umn.edu/writ/>

**College of Liberal Arts**

**2001-Reporting and Writing I**

(A-F only; prereq WRIT 1120)

62341-001 LEC, 01:00pm-01:50pm MWF, H 484; Julin, Chris, 3 cr

**2300-News Photography**

(A-F only; prereq Credit will not be granted if already received for 3300.)

62342-090 LEC, 06:00pm-08:50pm M, H 468; Open CE reserved seats will be available to UMD students on 01/15/2013; 5 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Kragness, Lucy M, 3 cr

**2400-Community and Journalism**

(A-F only; prereq 2001; Credit will not be granted if already received for 3400.)

62289-001 LAB, 03:30pm-04:45pm TTh, H 484; Hatcher, John, 3 cr

**3001-Reporting and Writing II**

(A-F only; prereq 2001)

63314-001 LEC, 09:30am-10:45am TTh, H 484; Hatcher, John, 3 cr

**3401-Digital Storytelling**

(A-F only; prereq 2001)

63219-001 LEC, 11:00am-11:50am MWF, H 484; Julin, Chris, 3 cr

**3991-Independent Study in Journalism**

(max crs 5; A-F only; prereq 2001, instr consent)

62305-001 IND; Hatcher, John, 1-5 cr

**4001-Specialized Reporting and Writing**

(A-F only; prereq 2001, 3001; no Grad School cr)

63320-001 LEC, 02:00pm-02:50pm MWF, H 484; TOPIC: Advanced Digital Storytelling; Julin, Chris, 3 cr

**4102-Editing II: Newsroom Practicum**

(Credit will not be granted if credit has been received for: JOUR 5102; A-F only; prereq 2001, 2101, 3001; no Grad School cr)

63315-001 LEC, 02:00pm-03:15pm TTh, H 484; Meets with: 63316 JOUR 5102; Hatcher, John, 3 cr

**4197-Journalism Internship**

(Credit will not be granted if credit has been received for: JOUR 5197; max crs 6; S-N; prereq 2001, 3700, min 60 cr, instr consent , no Grad School cr)

63660-001 IEX, 1-3 cr

**4500-Special Topics: (Various Titles to be Assigned)**

(max crs 6; A-F only; prereq 2001, 2101, no Grad School cr)

67986-001 LEC; Wesner, Kearston, 3 cr

**5102-Editing II: Newsroom Practicum**

(Credit will not be granted if credit has been received for: JOUR 4102; A-F only; prereq 2001, 3101 or Grad Student; credit will not be granted if already received for 5102)

63316-001 LEC, 02:00pm-03:15pm TTh, H 484; Meets with: 63315 JOUR 4102; Hatcher, John, 3 cr

**5197-Journalism Internship**

(Credit will not be granted if credit has been received for: JOUR 4197; max crs 3; S-N; prereq Coll Grad or Grad School student, instr consent)

62100-001 IEX; Visit [www.d.umn.edu/writ](http://www.d.umn.edu/writ) for more information about how to get started on an internship, or contact the Internship Coordinator in Writing Studies., 1-3 cr

**LABOVITZ SCHOOL OF BUSINESS AND ECONOMICS (LSBE)**

219L LSBE, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812-3011

218/726-7281, <http://www.d.umn.edu/lbsbe>

**Labovitz School of Business & Economics**

# University of Minnesota – Class Schedule for Duluth Campus

Spring 2013

## 397-B.B.A. Business Internship

(S-N; prereq LSBE Cand, consent of Internship Director)  
63546-001 LEC; Kaas, Duane A, 0 cr

## LIMNOLOGY (Lim)

109 RLB, 2205 East 5th Street, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
218/726-8522, <http://www.d.umn.edu/ilo>

## Swenson College of Science & Engineering

### 5004-Field Limnology

(A-F only; prereq Graduate student or instr consent)  
66576-001 LAB, 05/20/13-06/07/13; Colman, Steve, 2 cr

## LINGUISTICS (Ling)

420 H, 1201 Ordean Court, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-8131, <http://www.d.umn.edu/writ/>

## College of Liberal Arts

### 1811-Introduction to Linguistics

(A-F only; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)  
60863-001 LEC, 03:30pm-04:45pm TTh, H 403; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Salmon, William Noel, 3 cr  
61908-002 LEC, 02:00pm-02:50pm MWF, H 314; , 3 cr  
62030-003 LEC, 08:00am-08:50am MWF, Bohh 108; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; , 3 cr

### 2506-Language and Writing

(A-F only; prereq WRIT 1120)  
63322-001 LEC, 08:00am-09:15am TTh, LSBE 165; Salmon, William Noel, 3 cr

### 3102-Introduction to Syntax

(A-F only; prereq 1811 or instr consent)  
62454-001 LEC, 09:00am-09:50am MWF, H 468; Park, Chongwon, 3 cr

### 3591-Independent Study in Linguistics

(max crs 6; 6 repeats allowed; A-F only; prereq 1811 or instructor consent, department consent)  
62312-001 IND; Park, Chongwon, 1-3 cr

### 4400-Sociolinguistics

(Credit will not be granted if credit has been received for: LING 5195, LING 5400; A-F; prereq 1811 with a grade of C or instr consent , no Grad School cr)  
63129-001 LEC, 09:30am-10:45am TTh, H 468; Meets with LING 5400-001; Meets with: 63130 LING 5400; Salmon, William Noel, 3 cr

### 4852-Teaching Assistantship in Linguistics

(Credit will not be granted if credit has been received for: LING 5852; max crs 3; A-F only; prereq 1811, 3101, 3102 or instr consent , no Grad School cr)  
63346-001 PRC; Park, Chongwon, 1-3 cr

### 5400-Sociolinguistics

(Credit will not be granted if credit has been received for: LING 5195, LING 4400; A-F; prereq Graduate school standing or collegiate graduate students)  
63130-001 LEC, 09:30am-10:45am TTh, H 468; Meets with LING 4400; Meets with: 63129 LING 4400; Salmon, William Noel, 3 cr

### 5852-Practicum in Teaching Linguistics

(Credit will not be granted if credit has been received for: LING 4852; A-F only; prereq Coll Grad or Grad student)  
61203-001 PRC; Park, Chongwon, 3 cr

### 8591-Independent Study in Linguistics

(max crs 6; 6 repeats allowed; A-F only; prereq Department consent)  
61204-001 IND; Park, Chongwon, 1-3 cr

## MANAGEMENT STUDIES (MgtS)

365A LSBE, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812-3011  
218/726-8992,  
<http://lsbe.d.umn.edu/mgtstudies/mgtstudies.php>

## Labovitz School of Business & Economics

### 3401-Organizational Behavior and Management

(A-F; prereq LSBE cand or bus adm minor or college consent)  
61187-001 LEC, 09:00am-09:50am MWF, LSBE 129; (LSBE candidates); Meets with: 61642 MGTS 3401; Pierce, Jon L, 3 cr  
61642-002 LEC, 09:00am-09:50am MWF, LSBE 129; (Non-LSBE Bus Adm minors); Meets with: 61187 MGTS 3401; Pierce, Jon L, 3 cr  
61188-003 LEC, 01:00pm-01:50pm MWF, LSBE 129; (LSBE candidates); Meets with: 61643 MGTS 3401; Pierce,

Jon L, 3 cr  
61643-004 LEC, 01:00pm-01:50pm MWF, LSBE 129; (Non-LSBE Bus Adm minors); Meets with: 61188 MGTS 3401; Pierce, Jon L, 3 cr  
61189-005 LEC, 11:00am-12:15pm TTh, LSBE 125; (LSBE candidates); Meets with: 61644 MGTS 3401; Lyttle, Jim, 3 cr  
61644-006 LEC, 11:00am-12:15pm TTh, LSBE 125; (Non-LSBE Bus Adm minors); Meets with: 61189 MGTS 3401; Lyttle, Jim, 3 cr  
62059-007 LEC, 06:00pm-08:40pm Th, LSBE 129; (LSBE candidates); Meets with: 62060 MGTS 3401; Lyttle, Jim, 3 cr  
62060-008 LEC, 06:00pm-08:40pm Th, LSBE 129; (Non-LSBE Bus Adm minors); Meets with: 62059 MGTS 3401; Lyttle, Jim, 3 cr  
64035-009 LEC, 03:30pm-04:45pm TTh, VKH 221; (LSBE candidates); Meets with: 64036 MGTS 3401; Lyttle, Jim, 3 cr  
64036-010 LEC, 03:30pm-04:45pm TTh, VKH 221; (Non-LSBE Bus Adm minors); Meets with: 64035 MGTS 3401; Lyttle, Jim, 3 cr

### 3411-Honors: Organizational Behavior and Management

(A-F only; prereq minimum 60 credits and instructor consent)  
68647-001 LEC, 12:30pm-01:45pm TTh, LSBE 129, 3 cr

### 3491-Independent Study

(max crs 3; A-F; prereq dept consent)  
66180-001 IND, 1-3 cr

### 3497-Organizational Management Internship

(A-F; prereq LSBE cand, consent of internship director)  
62465-001 IEX; Kaas, Duane A, 3 cr

### 3801-Human Resource Management

(A-F; prereq LSBE cand or approved non-LSBE bus adm or college consent)

61156-001 LEC, 02:00pm-02:50pm MWF, EduE 40; (LSBE candidates); Meets with: 61648 MGTS 3801; Wang PhD, Gordon, 3 cr  
61648-002 LEC, 02:00pm-02:50pm MWF, EduE 40; (Non-LSBE Bus Administration minors); Meets with: 61156 MGTS 3801; Wang PhD, Gordon, 3 cr  
61157-003 LEC, 11:00am-11:50am MWF, LSBE 125; (LSBE candidates); Meets with: 61649 MGTS 3801; Wang PhD, Gordon, 3 cr  
61649-004 LEC, 11:00am-11:50am MWF, LSBE 125; (Non-LSBE Bus Administration minors); Meets with: 61157 MGTS 3801; Wang PhD, Gordon, 3 cr  
62010-005 LEC, 12:00pm-12:50pm MWF, LSBE 135; (LSBE candidates); Meets with: 62011 MGTS 3801; Wang PhD, Gordon, 3 cr  
62011-006 LEC, 12:00pm-12:50pm MWF, LSBE 135; (Non-LSBE Bus Administration minors); Meets with: 62010 MGTS 3801; Wang PhD, Gordon, 3 cr

### 3897-Human Resources Internship

(A-F; prereq LSBE cand, consent of Internship Director)  
62464-001 IEX; Kaas, Duane A, 3 cr

### 3997-Management of Community Projects

(max crs 3; A-F; prereq 3401, 3801, LSBE cand, instr consent)  
63244-001 FWK; Kaas, Duane A, 1-3 cr

### 4411-Organizational Studies

(A-F; prereq 3401, LSBE cand or college consent)  
62765-001 LEC, 06:00pm-08:40pm T, LSBE 233; Liang, Xin, 3 cr

### 4421-Managing Change

(A-F; prereq 3401, LSBE cand or grad student or college consent)  
63836-001 LEC, 08:00am-09:15am TTh, LSBE 225; Liang, Xin, 3 cr  
63837-002 LEC, 09:30am-10:45am TTh, LSBE 265; Liang, Xin, 3 cr

### 4451-Management Inquiry

(A-F; prereq 3401, 3801, approved LSBE cand or college consent)  
61200-001 LEC, 04:00pm-05:15pm MW, LSBE 265; Pierce, Jon L, 3 cr

### 4461-Business and Society

(A-F; prereq 3401, 3801, LSBE cand or college consent)  
62766-001 LEC, 03:30pm-04:45pm TTh, LSBE 225; Mencil, Jennifer, 3 cr

### 4473-Management of Innovation and Technology

(A-F; prereq 3401, LSBE cand or college consent)  
66171-001 LEC, 04:00pm-05:15pm MW, LSBE 233; Borchert, Patricia S., 3 cr

### 4481-Strategic Management

(A-F; prereq 3401, 3801, Mktg 3701, FMIS 3301, FMIS 3601, 90 cr, LSBE cand or college consent ; no Grad School credit)

61194-001 LEC, 10:00am-10:50am MWF, LSBE 229; Bell PhD, Geoffrey George, 3 cr  
61195-002 LEC, 11:00am-11:50am MWF, LSBE 229; Bell PhD, Geoffrey George, 3 cr  
61196-003 LEC, 12:00pm-12:50pm MWF, LSBE 229; Borchert, Patricia S., 3 cr  
61831-004 LEC, 01:00pm-01:50pm MWF, LSBE 229; Borchert, Patricia S., 3 cr  
62061-005 LEC, 02:00pm-03:15pm TTh, LSBE 233; Goel, Sanjay, 3 cr

### 4495-Special Topics (Various Titles to be Assigned)

(max crs 9; 3 repeats allowed; A-F; prereq LSBE cand, 3401 or college consent)  
66172-001 LEC, 06:00pm-08:40pm M, LSBE 125; Bell PhD, Geoffrey George, 3 cr; T: Sustainable Management  
68363-002 LEC, 06:00pm-08:40pm T, LSBE 225; Maeker, Akiko, 3 cr; T: Intercultural Leaders & Organizations

### 4841-Training and Development

(A-F; prereq 3801, LSBE cand or college consent)  
63274-001 LEC, 12:30pm-01:45pm TTh, LSBE 225; Xiu, Lin, 3 cr

### 4851-Unions and Collective Bargaining

(A-F; prereq 3801, LSBE cand or college consent)  
61875-001 LEC, 09:30am-10:45am TTh, LSBE 229; Xiu, Lin, 3 cr

### 4861-International Human Resource Management

(A-F; prereq 3801, LSBE candidate or instr consent)  
63592-001 LEC, 10:00am-10:50am MWF, LSBE 125; David, Jannifer Gregory, 3 cr

## MARKETING (MKTG)

385 LSBE, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812-3011  
218/726-7757, <http://lsbe.d.umn.edu/marketing/marketing.php>

## Labovitz School of Business & Economics

### 3701-Principles of Marketing

(A-F; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)  
61177-001 LEC, 11:00am-12:15pm TTh, LSBE 135; (LSBE candidates); Meets with: 61645 MKTG 3701; Maamoun, Ahmed F., 3 cr  
61645-002 LEC, 11:00am-12:15pm TTh, LSBE 135; (Non-LSBE Bus Administration minors); Meets with: 61177 MKTG 3701; Maamoun, Ahmed F., 3 cr  
62381-003 LEC, 12:30pm-01:45pm TTh, LSBE 135; (LSBE candidates); Meets with: 62382 MKTG 3701; Maamoun, Ahmed F., 3 cr  
62382-004 LEC, 12:30pm-01:45pm TTh, LSBE 135; (Non-LSBE Bus Administration minors); Meets with: 62381 MKTG 3701; Maamoun, Ahmed F., 3 cr  
61178-005 LEC, 06:00pm-08:40pm W, LSBE 135; (LSBE candidates); Meets with: 61646 MKTG 3701; Christensen, Ethan, 3 cr  
61646-006 LEC, 06:00pm-08:40pm W, LSBE 135; (Non-LSBE Bus Administration minors); Meets with: 61178 MKTG 3701; Christensen, Ethan, 3 cr  
62118-007 LEC, 06:00pm-08:40pm M, LSBE 135; (LSBE candidates); Meets with: 62119 MKTG 3701; Sharkey, Steve, 3 cr  
62119-008 LEC, 06:00pm-08:40pm M, LSBE 135; (Non-LSBE Bus Administration minors); Meets with: 62118 MKTG 3701; Sharkey, Steve, 3 cr

### 3711-Marketing Research

(A-F; prereq MgtS 3701 or Mktg 3701, LSBE cand or college consent)  
61185-001 LEC, 09:30am-10:45am TTh, LSBE 237; Bhowmick, Sandeep, 3 cr  
61647-002 LEC, 12:30pm-01:45pm TTh, LSBE 237; Bhowmick, Sandeep, 3 cr

### 3741-Fundamentals of Selling

(A-F; prereq MgtS 3701 or Mktg 3701, LSBE cand or college consent)  
61186-001 LEC, 10:00am-10:50am MWF, LSBE 233; Kratz, John L, 3 cr

### 3761-Marketing Analytic I: Introduction to Marketing Metrics and Fundamental Analytic Techniques

(A-F only; prereq Marketing Analytics Major)  
64496-001 LEC, 02:00pm-02:50pm MWF, LSBE 237; Pitterle, Sara Louise, 3 cr

### 3771-Sports Marketing

(A-F only; prereq 3701)  
67918-001 DIS, 01:00pm-01:50pm MWF, LSBE 233; Castleberry Sr, Stephen Byron, 3 cr

### 3781-International Marketing

(A-F; prereq MGTS 3701 or MKTG 3701, LSBE cand or college consent)  
61861-001 LEC, 11:00am-12:15pm TTh, LSBE 233; Sethi, Kunal, 3 cr  
61862-002 LEC, 03:30pm-04:45pm TTh, LSBE 129; Sethi,

Kunal, 3 cr

**3791-Independent Study**  
(max crs 3; A-F; prereq dept consent)  
62734-001 IND; , 1-3 cr

**3797-Marketing Internship**  
(A-F only; prereq LSBE cand, consent of internship director; credit will not be granted if already received for MgtS 3797)  
62463-001 IEX; Kaas, Duane A, 3 cr

**4721-Advertising and Marketing Communications**  
(A-F; prereq MgtS 3701 or Mktg 3701, LSBE cand or college consent)  
62242-001 LEC, 03:00pm-03:50pm MWF, LSBE 225; Kratz, John L, 3 cr

**4731-Consumer Behavior**  
(A-F; prereq MgtS 3701 or Mktg 3701, LSBE cand or college consent)  
61184-001 LEC, 12:30pm-01:45pm TTh, LSBE 229; Vaidyanathan, Rajiv, 3 cr  
62377-002 LEC, 08:00am-09:15am TTh, LSBE 265; Sethi, Kunal, 3 cr

**4741-Developing and Marketing New Products**  
(A-F; prereq MGTs 3701 or MKTG 3701, LSBE cand or college consent)  
63249-001 LEC, 12:30pm-01:45pm TTh, LSBE 233; Rochford, Linda, 3 cr

**4751-Retailing**  
(A-F; prereq 3701, LSBE candidate or college consent , no Grad School cr)  
63210-001 LEC, 08:00am-09:15am TTh, LSBE 229; Maamoun, Ahmed F., 3 cr

**4781-Marketing Management and Strategy**  
(A-F; prereq MgtS 3701 or Mktg 3701, MgtS 3711 or Mktg 3711, 1 other Mktg course, 90 cr, LSBE cand or grad or college consent)  
61183-001 LEC, 08:00am-09:15am TTh, LSBE 233; Rochford, Linda, 3 cr  
62114-002 LEC, 09:30am-10:45am TTh, LSBE 233; Rochford, Linda, 3 cr

**4795-Special Topics (Various Topics to be Assigned)**  
(max crs 9; 9 repeats allowed; A-F; prereq LSBE cand, MGTs 3701 or MKTG 3701 or college consent , no Grad School cr)  
64683-001 SEM, 12:00pm-12:50pm MWF, LSBE 225; Kratz, John L, 3 cr; T:Social Media Marketing

**MASTER IN ADVOCACY AND POLITICAL LEADERSHIP (MAPL)**  
112 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-6711, <http://www.d.umn.edu/cla/mapl/>

**College of Liberal Arts**

**5111-Labor Organizing**  
(A-F only; prereq Grad student or instr consent)  
64533-001 SEM, 12/22/12-08/31/13, 3 cr

**5200-Advocacy and Lobbying: Strategies and Tactics**  
(A-F only; prereq Grad student or instr consent)  
62660-001 LEC, 12/22/12-08/31/13, 3 cr

**5202-Nonprofits and Government: The Public and Private Partnership**  
(A-F only; prereq Grad student or instr consent)  
65481-001 LEC, 01:15pm-04:15pm S, LSBE 265; Bonomo, Suzanne; Avner, Marcia Louise, 3 cr

**5311-Advocacy in the Public Sector: Service in the Elected Branch**  
(A-F only; prereq Grad student or instr consent)  
65483-001 LEC, 01:15pm-04:15pm S, LSBE 225; Cooper, Christopher Scott; Kiscaden, Sheila, 3 cr

**5312-Advocacy in the Public Sector: Service in the Executive Branch**  
(A-F only; prereq Grad student or instr consent)  
63384-001 LEC, 12/22/12-08/31/13, 3 cr

**5315-Sustainable Development Policy Advocacy**  
(A-F only; prereq Grad student or instr consent)  
64534-001 LEC, 3 cr

**5405-The Impact of Group Identity on the Policymaking Process**  
(A-F only; prereq Grad Student or instr consent)  
65482-001 DIS, 06:00pm-09:00pm F, LSBE 225; Spano, Wy, 3 cr

**6001-Political Process and Public Policy**  
(prereq MAPL student or instr consent)  
62250-001 LEC, 09:00am-12:00pm S, LSBE 265, 12/22/12-05/27/13, instruction mode: In Person Extended Term; (For MAPL student only); Spano, Wy, 3 cr

**6002-Policy Evaluation**  
(prereq MAPL student or instr consent)  
62402-001 LEC, 09:00am-12:00pm S, LSBE 225, 12/22/12-05/17/13; (for MAPL students only); Haugen, Barbara H, 3 cr

**6004-Political Organizing and Communication**  
(prereq MAPL student or instr consent)  
62403-001 LEC, 09:00am-12:00pm S, LSBE 229, 12/22/12-05/27/13, instruction mode: In Person Extended Term; (for MAPL students only); Krug, Linda Teresa; Peterson, Erik S; Ringham, Eric Peter, 3 cr

**6005-Political and Advocacy Leadership**  
(A-F only; prereq MAPL student or instr consent ; credit will not be granted if already received for MAPL 5307)  
63498-001 LEC, 09:00am-12:00pm S, LSBE 233; Class will meet 3 times this term. Additional online course hours required.; Radosevich, Zora M., 3 cr

**6008-Advocacy Internship I**  
(S-N only; prereq MAPL student or instr consent)  
62471-001 IEX, 12/22/12-05/17/13, instruction mode: Distance Education and On-Site; (For MAPL students only. Arr with sponsoring internship organization and MAPL adviser); Krug, Linda Teresa, 3 cr

**6009-Advocacy Internship**  
(max crs 4; S-N only; prereq MAPL student or instr consent)  
62243-001 IEX, 12/22/12-05/17/13, instruction mode: Distance Education and On-Site; (For MAPL students only. Arr with sponsoring internship organization and MAPL adviser); Krug, Linda Teresa, 2 cr

**MASTER OF BUSINESS ADMINISTRATION (MBA)**  
385 LSBE, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812-3011  
218/726-7757, <http://lsbe.d.umn.edu/marketing/marketing.php>

**Labovitz School of Business & Economics**

**8211-Data Analysis and Statistics for Managers**  
(A-F only; prereq Econ 2020 or equiv, MBA student or college consent)  
62806-800 LEC, 03:00pm-08:00pm F, . TBA, ROCHESTER, 01/11/13-01/11/13, 08:00am-12:15pm S, . TBA, ROCHESTER, 01/12/13-01/12/13, 03:00pm-08:00pm F, . TBA, ROCHESTER, 01/25/13-01/25/13, 08:00am-12:15pm S, . TBA, ROCHESTER, 01/26/13-01/26/13, 03:00pm-08:00pm F, . TBA, ROCHESTER, 02/08/13-02/08/13, 08:00am-12:15pm S, . TBA, ROCHESTER, 02/09/13-02/09/13; ROCHESTER; Vaidyanathan, Rajiv, 2 cr

**8311-Operations Management**  
(A-F only; prereq FMIS 3301 or equiv, MBA student or college consent)  
63319-001 LEC, 06:00pm-08:40pm W, LSBE 165; Natarajan, Gana, 3 cr

**8411-Policy Formulation and Implementation**  
(A-F only; prereq 8311, 8501, 8611, 8711, 8811, MBA student or college consent)  
61557-001 LEC, 06:00pm-08:40pm Th, LSBE 229; Goel, Sanjay, 3 cr

**8711-Marketing Management**  
(A-F only; prereq Mktg 3701 or equiv, MBA student or college consent)  
63318-001 LEC, 06:00pm-08:40pm T, LSBE 229; Aggarwal, Praveen, 3 cr

**8994-Directed Research**  
(max crs 6; 6 repeats allowed; A-F only; prereq MBA student, college consent)  
62551-001 DRS; Vaidyanathan, Rajiv, 1-6 cr

**8995-Special Topics: (Various Titles to be Assigned)**  
(max crs 8; 8 repeats allowed; A-F only; prereq MBA student or college consent)  
66754-800 LEC, 03:00pm-09:00pm F, . TBA, ROCHESTER, 02/22/13-02/22/13, 08:00am-12:30pm S, . TBA, ROCHESTER, 02/23/13-02/23/13, 03:00pm-09:00pm F, . TBA, ROCHESTER, 03/08/13-03/08/13, 08:00am-12:30pm S, . TBA, ROCHESTER, 03/09/13-03/09/13, 03:00pm-09:00pm F, . TBA, ROCHESTER, 03/22/13-03/22/13, 08:00am-12:30pm S, . TBA, ROCHESTER, 03/23/13-03/23/13, 03:00pm-09:00pm F, . TBA, ROCHESTER, 04/05/13-04/05/13, 08:00am-12:30pm S, . TBA, ROCHESTER, 04/06/13-04/06/13; T: Global Marketing  
Rochester; Castleberry Sr, Stephen Byron, 1-3 cr; T:Marketing Through Sponsorships  
68675-801 LEC, 03:00pm-06:30pm F, . TBA, ROCHESTER, 04/19/13-04/19/13, 09:00am-12:00pm S, . TBA, ROCHESTER, 04/20/13-04/20/13, 03:00pm-06:30pm F, . TBA, ROCHESTER, 05/03/13-05/03/13, 09:00am-

12:00pm S, . TBA, ROCHESTER, 05/04/13-05/04/13, 1 cr

**8999-Projects in Business**  
(max crs 6; 6 repeats allowed; A-F only; prereq MBA student, college consent)  
62552-001 DST; Vaidyanathan, Rajiv, 1-3 cr

**MASTER OF TRIBAL ADMINISTRATIVE GOVERNANCE (MTAG)**

116 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-8771, <http://www.d.umn.edu/~umdais/>

**College of Liberal Arts**

**5120-Principles of Tribal Sovereignty II**  
(A-F; prereq 5110 or instr consent)  
64450-001 LEC, 08:30am-11:30am S, KPlz 312, 01/26/13-01/26/13, 08:30am-11:30am S, KPlz 312, 02/16/13-02/16/13, 08:30am-11:30am S, KPlz 312, 03/09/13-03/09/13, 08:30am-11:30am S, KPlz 312, 03/30/13-03/30/13, 08:30am-11:30am S, KPlz 312, 04/20/13-04/20/13; Stark, Jason Todd, 3 cr

**5220-Administration and Governance II (Operations)**  
(A-F; prereq 5210 or instr consent)  
64468-001 LEC, 01:00pm-03:00pm S, KPlz 312, 01/26/13-01/26/13, 01:00pm-03:00pm S, KPlz 312, 02/16/13-02/16/13, 01:00pm-03:00pm S, KPlz 312, 03/09/13-03/09/13, 01:00pm-03:00pm S, KPlz 312, 03/30/13-03/30/13, 01:00pm-03:00pm S, KPlz 312, 04/20/13-04/20/13; Minnema, Edward Yasuda, 3 cr

**5240-Advanced Tribal Administration and Governance II (Project)**  
(A-F; prereq 5230 or instr consent)  
67332-001 LEC, 08:30am-11:30am S, KPlz 309, 01/26/13-01/26/13, 08:30am-11:30am S, KPlz 309, 02/16/13-02/16/13, 08:30am-11:30am S, KPlz 309, 03/09/13-03/09/13, 08:30am-11:30am S, KPlz 309, 03/30/13-03/30/13, 08:30am-11:30am S, KPlz 309, 04/20/13-04/20/13; Minnema, Edward Yasuda, 3 cr

**5320-Applied Leadership and Ethics in an Indigenous Organizational Context**  
(A-F; prereq 5310 or instr consent)  
64469-001 LEC, 06:00pm-08:50pm F, KPlz 312, 01/25/13-01/25/13, 06:00pm-08:50pm F, KPlz 312, 02/15/13-02/15/13, 06:00pm-08:50pm F, KPlz 312, 03/08/13-03/08/13, 06:00pm-08:50pm F, KPlz 312, 03/29/13-03/29/13, 06:00pm-08:50pm M, KPlz 312, 04/29/13-04/29/13; Rauschenfels, Diane Jane, 3 cr

**5440-Tribal Fiance, Accounting and Budgets II**  
(A-F; prereq 5430 or instr consent)  
67330-001 LEC, 06:00pm-08:50pm F, KPlz 309, 01/25/13-01/25/13, 06:00pm-08:50pm F, KPlz 309, 02/15/13-02/15/13, 06:00pm-08:50pm F, KPlz 309, 03/08/13-03/08/13, 06:00pm-08:50pm F, KPlz 309, 03/29/13-03/29/13, 06:00pm-08:50pm S, KPlz 309, 04/20/13-04/20/13; Greiner, Kimberly Ann, 3 cr

**5540-Federal Indian Law II**  
(A-F; prereq 5530 or instr consent)  
67336-001 LEC, 01:00pm-03:00pm S, KPlz 309, 01/26/13-01/26/13, 01:00pm-03:00pm S, KPlz 309, 02/16/13-02/16/13, 01:00pm-03:00pm S, KPlz 309, 03/09/13-03/09/13, 01:00pm-03:00pm S, KPlz 309, 03/30/13-03/30/13, 01:00pm-03:00pm S, KPlz 309, 04/20/13-04/20/13; Johnson Esq, Tadd Mathew, 3 cr

**MATHEMATICS (Math)**  
140 SCC, 1117 University Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3000  
218/726-8747, <http://www.d.umn.edu/math>

**Swenson College of Science & Engineering**

**1005-College Algebra**  
(A-F only; prereq Math ACT 21 or higher or SSP 0103 or dept consent)  
61842-001 LEC, 08:00am-08:50am MTWThF, ABAH 235; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Duan, Mingqian, 5 cr  
61857-002 LEC, 03:00pm-04:05pm MTWTh, Engr 290; , 5 cr

**1007-Algebra Review**  
(S-N only; prereq Concurrent registration is required (or allowed) in 1160 or 1250 or 1290 or 1296, a grade of C- or better in is required in all prerequisite courses)  
62589-001 IND; on-line course; Pierson, Chad Michael, 1 cr

**1024-Introduction to Contemporary Mathematics**  
(A-F only; prereq Math ACT 18 or higher or SSP 0103 or dept consent, a grade of C- or better in is required in all prerequisite courses; meets DLE req of Logic & Quantita-

tive Reasoning; meets LE req of LE CAT2)  
62091-001 LEC, 08:00am-08:50am MWF, SCC 120; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Latterell, Carmen Marie, 3 cr

**1160-Finite Mathematics and Introduction to Calculus**

(A-F only; prereq Math ACT 24 or higher or a grade of at least C- in Math 1005 or dept consent ; if you have received credit for 1290 or 1296 or 1596, you will not receive credit for Math 1160.; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)  
-001 LEC, 09:00am-08:50am MWF, LSci 185  
61007-002 DIS, 08:00am-08:50am TTh, VKH 221; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; , 5 cr  
61008-003 DIS, 09:00am-09:50am TTh, EduE 20; , 5 cr  
61009-004 DIS, 10:00am-10:50am TTh, Engr 290; , 5 cr  
61010-005 DIS, 11:00am-11:50am TTh, EduE 32; , 5 cr  
61011-006 DIS, 12:00pm-12:50pm TTh, EduE 36; , 5 cr  
61012-007 DIS, 04:00pm-04:50pm TTh, SCC 21; , 5 cr  
-008 LEC, 09:00am-09:50am MWF, LSci 175; Colt, Diana Lynn  
61014-009 DIS, 08:00am-08:50am TTh, ABAH 245; , 5 cr  
61015-010 DIS, 09:00am-09:50am TTh, EduE 40; , 5 cr  
61016-011 DIS, 10:00am-10:50am TTh, EduE 51; , 5 cr  
61017-012 DIS, 12:00pm-12:50pm TTh, EduE 50; , 5 cr  
61018-013 DIS, 02:00pm-02:50pm TTh, EduE 32; , 5 cr  
61019-014 DIS, 04:00pm-04:50pm TTh, Chem 155; , 5 cr

**1250-Precalculus Analysis**

(A-F only; prereq Math ACT 24 or higher or a grade of at least C- in Math 1005 or dept consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)  
-001 LEC, 08:00am-08:50am MWF, LSci 175; Niedzielski, Kate  
61022-002 DIS, 08:00am-08:50am TTh, SCC 21; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; , 4 cr  
61023-003 DIS, 10:00am-10:50am TTh, Chem 155; , 4 cr  
61024-004 DIS, 11:00am-11:50am TTh, EduE 36; , 4 cr  
61025-005 DIS, 12:00pm-12:50pm TTh, Engr 118; , 4 cr  
62566-006 DIS, 01:00pm-01:50pm TTh, EduE 16; , 4 cr  
62567-007 DIS, 02:00pm-02:50pm TTh, EduE 36; , 4 cr

**1290-Calculus for the Natural Sciences**

(Credit will not be granted if credit has been received for: MATH 1296, MATH 1596H, MATH 1596; A-F only; prereq Math ACT 27 or higher or a grade of at least C- in Math 1250 or dept consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)  
-001 LEC, 10:00am-10:50am MWThF, EduE 32; Sharp, Angela Marie  
61027-002 LAB, 10:00am-10:50am T, Engr 204; , 5 cr

**1296-Calculus I**

(Credit will not be granted if credit has been received for: MATH 1290, MATH 1596H, MATH 1596; A-F only; prereq Math ACT 27 or higher or a grade of at least C- in Math 1250 or dept consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)  
-001 LEC, 10:00am-10:50am MWF, LSci 175; Pierson, Chad Michael  
61029-002 DIS, 08:00am-08:50am TTh, H 490; , 5 cr  
61030-003 DIS, 12:00pm-12:50pm TTh, KPiz 312; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; , 5 cr  
61031-004 DIS, 11:00am-11:50am TTh, Engr 177; , 5 cr  
61032-005 DIS, 12:00pm-12:50pm TTh, Engr 177; , 5 cr  
61033-006 DIS, 01:00pm-01:50pm TTh, EduE 20; , 5 cr  
61034-007 DIS, 02:00pm-02:50pm TTh, EduE 40; , 5 cr  
-008 LEC, 12:00pm-12:50pm MWF, SCC 120; Breckenridge, Rachel Bursheim  
61036-009 DIS, 08:00am-08:50am TTh, EduE 50; , 5 cr  
61037-010 DIS, 10:00am-10:50am TTh, Library 409; , 5 cr  
61038-011 DIS, 11:00am-11:50am TTh, Engr 118; , 5 cr  
61039-012 DIS, 12:00pm-12:50pm TTh, SCC 21; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 2 seats reserved for Continuing Education; , 5 cr  
61040-013 DIS, 01:00pm-01:50pm TTh, EduE 32; , 5 cr  
61041-014 DIS, 02:00pm-02:50pm TTh, Chem 155; , 5 cr  
-015 LEC, 02:00pm-02:50pm MWF, EduE 32; Breckenridge, Rachel Bursheim  
63945-016 DIS, 02:00pm-02:50pm TTh, Chem 150; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 2 seats reserved for Continuing Education; , 5 cr

**1297-Calculus II**

(Credit will not be granted if credit has been received for: MATH 1597; A-F only; prereq A grade of at least C- in 1290 or 1296 or 1596; meets DLE req of Logic & Quantitative Reasoning)  
-001 LEC, 12:00pm-12:50pm MWF, LSci 185; Sharp, Angela Marie

61043-002 DIS, 08:00am-08:50am TTh, EduE 40; , 5 cr  
61044-003 DIS, 11:00am-11:50am TTh, BohH 104; , 5 cr  
61045-004 DIS, 10:00am-10:50am TTh, HH 216; , 5 cr  
61046-005 DIS, 12:00pm-12:50pm TTh, SPhC 210; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 2 seats reserved for Continuing Education; , 5 cr  
61047-006 DIS, 01:00pm-01:50pm TTh, EduE 36; , 5 cr  
61048-007 DIS, 02:00pm-02:50pm TTh, Chem 251; , 5 cr  
-008 LEC, 01:00pm-01:50pm MWF, LSci 175; Erdmann, Eric Michael  
61050-009 DIS, 08:00am-08:50am TTh, EduE 36; , 5 cr  
61051-010 DIS, 01:00pm-01:50pm TTh, Cina 106; , 5 cr  
61052-011 DIS, 11:00am-11:50am TTh, BohH 346; , 5 cr  
62707-012 DIS, 12:00pm-12:50pm TTh, VKH 221; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 2 seats reserved for Continuing Education; , 5 cr  
62708-013 DIS, 01:00pm-01:50pm TTh, KPiz 312; , 5 cr  
62709-014 DIS, 02:00pm-02:50pm TTh, SPhC 207; , 5 cr  
-015 LEC, 10:00am-10:50am MWF, EduE 16; Niedzielski, Kate  
63943-016 DIS, 10:00am-10:50am TTh, SCiv 265; , 5 cr

**1597-Honors: Calculus II**

(Credit will not be granted if credit has been received for: MATH 1297; A-F only; prereq 1596 or a grade of A in 1290 or 1296,dept consent; meets DLE req of Logic & Quantitative Reasoning; meets HON req of Honors)  
62354-001 LEC, 11:00am-11:50am MWThF, EduE 20; Froncek, Dalibor, 5 cr

**3091-Independent Study**

(max crs 8; 8 repeats allowed; A-F only; prereq dept consent)  
61498-001 IND; Fei, Guihua, 1-3 cr  
61499-002 IND; Froncek, Dalibor, 1-3 cr  
61500-003 IND; Gallian, Joseph A, 1-3 cr  
61501-004 IND; Green, Richard F, 1-3 cr  
61502-005 IND; Greene, John Robert, 1-3 cr  
61503-006 IND; James, Barry R, 1-3 cr  
61504-007 IND; James, Kang Ling, 1-3 cr  
61505-008 IND; Latterell, Carmen Marie, 1-3 cr  
61506-009 IND; Lenz, Kathryn E, 1-3 cr  
61507-010 IND; Liu, Zhuangyi, 1-3 cr  
61508-011 IND; Mc Farland, Robert L, 1-3 cr  
61509-012 IND; Peckham, Bruce B L, 1-3 cr  
61510-013 IND; Qi, Yongcheng, 1-3 cr  
61511-014 IND; Regal, Ronald Ray, 1-3 cr  
61512-015 IND; Stech, Harlan W, 1-3 cr  
61775-016 IND; Trogdon, Steven Arman, 1-3 cr  
62396-017 IND; Hampton, Marshall E, 1-3 cr  
67752-018 IND; Li, Xuan, 1-3 cr

**3097-Internship**

(max crs 3; 3 repeats allowed; S-N only; prereq Math major, dept consent)  
61622-001 IEX; Fei, Guihua, 1-3 cr  
61513-002 IEX; Froncek, Dalibor, 1-3 cr  
61514-003 IEX; Gallian, Joseph A, 1-3 cr  
61515-004 IEX; Green, Richard F, 1-3 cr  
61516-005 IEX; Greene, John Robert, 1-3 cr  
61517-006 IEX; James, Barry R, 1-3 cr  
61518-007 IEX; James, Kang Ling, 1-3 cr  
61519-008 IEX; Latterell, Carmen Marie, 1-3 cr  
61520-009 IEX; Lenz, Kathryn E, 1-3 cr  
61521-010 IEX; Liu, Zhuangyi, 1-3 cr  
61522-011 IEX; Mc Farland, Robert L, 1-3 cr  
61523-012 IEX; Peckham, Bruce B L, 1-3 cr  
61524-013 IEX; Qi, Yongcheng, 1-3 cr  
61525-014 IEX; Regal, Ronald Ray, 1-3 cr  
61526-015 IEX; Stech, Harlan W, 1-3 cr  
61776-016 IEX; Trogdon, Steven Arman, 1-3 cr  
62397-017 IEX; Hampton, Marshall E, 1-3 cr  
67753-018 IEX; Li, Xuan, 1-3 cr

**3110-Foundations of Mathematics and Geometry**

(A-F only; prereq 1290, or 1296 or 1596, teaching math major, a grade of C- or better in is required in all prerequisite courses)  
61053-001 LEC, 12:00pm-12:50pm MTWF, EduE 32; Latterell, Carmen Marie, 4 cr

**3120-Mathematics Tutorial Project**

(max crs 4; 4 repeats allowed; S-N only; prereq 1290 or 1296 or 1596, SSP 3003, instr consent , a grade of C- or better in is required in all prerequisite courses)  
61054-001 PRC; Tutoring schedules are arranged with the instructor.; Latterell, Carmen Marie, 1-2 cr

**3280-Differential Equations with Linear Algebra**

(A-F only; prereq A grade of at least C- in 1297 or 1597)  
-001 LEC, 09:00am-09:50am MWThF, EduE 36; Zimmermann, Laura Joan  
61056-002 LAB, 09:00am-09:50am T, MonH 209; , 4 cr  
-003 LEC, 10:00am-10:50am MWThF, EduE 36; Zimmermann, Laura Joan  
61058-004 LAB, 10:00am-10:50am T, MonH 209; , 4 cr  
-005 LEC, 11:00am-11:50am MWThF, EduE 40; Colt, Diana Lynn

Lynn  
61060-006 LAB, 11:00am-11:50am T, MonH 209; , 4 cr  
-007 LEC, 12:00pm-12:50pm MWThF, EduE 40; Zimmermann, Laura Joan  
61910-008 LAB, 12:00pm-12:50pm T, MonH 209; , 4 cr  
-009 LEC, 01:00pm-01:50pm MWThF, EduE 40; Colt, Diana Lynn  
63610-010 LAB, 01:00pm-01:50pm T, MonH 209; , 4 cr

**3298-Calculus III**

(A-F only; prereq A grade of at least C- in 1297 or 1597)  
-001 LEC, 08:00am-08:50am MTWF, EduE 32; Erdmann, Eric Michael  
61062-002 LAB, 08:00am-08:50am Th, KPiz 143; , 4 cr  
-003 LEC, 09:00am-09:50am MTWF, EduE 32; Pierson, Chad Michael  
61064-004 LAB, 09:00am-09:50am Th, KPiz 143; , 4 cr  
-005 LEC, 11:00am-11:50am MTWF, VKH 221; Erdmann, Eric Michael  
63246-006 LAB, 11:00am-11:50am Th, KPiz 143; , 4 cr  
-007 LEC, 01:00pm-01:50pm MTWF, VKH 221; Pierson, Chad Michael  
63612-008 LAB, 01:00pm-01:50pm Th, KPiz 143; , 4 cr

**3355-Discrete Mathematics**

(A-F only; prereq 1297 or 1597 or instr consent , a grade of C- or better in is required in all prerequisite courses)  
61066-001 LEC, 12:00pm-12:50pm MWThF, EduE 20; Mc Farland, Robert L, 4 cr

**3810-Applied Mathematics: Numerical Methods**

(A-F only; prereq previous or concurrent registration in 3280)  
-001 LEC, 10:00am-10:50am MWF, Engr 290; Trogdon, Steven Arman  
64483-002 LAB, 10:00am-10:50am T, KPiz 143; , 4 cr

**3941-Undergraduate Colloquium**

(S-N only; prereq Math major or minor, dept consent ; must regis during sem of 16th point)  
61068-001 COL, 03:00pm-04:50pm Th, Chem 150; Gallian, Joseph A, 1 cr

**4201-Elementary Real Analysis**

(A-F only; prereq 3280, 3355, a grade of C- or better in is required in all prerequisite courses, no Grad School cr; credit will not be granted if already received for 3299)  
61065-001 LEC, 10:00am-10:50am MWThF, EduE 40; Stech, Harlan W, 4 cr

**4230-Applied Mathematics: Complex Variables**

(A-F only; prereq 3280 with a grade of C- or better)  
63270-001 LEC, 09:00am-09:50am MWF, EduE 40; Fei, Guihua, 3 cr

**4326-Linear Algebra**

(A-F only; prereq A grade of at least C- in 3280, 3355, no Grad School cr)  
61805-001 LEC, 02:00pm-02:50pm MWF, SCC 120; Greene, John Robert, 3 cr

**5233-Mathematical Foundations of Bioinformatics**

(A-F only; prereq Any two of the following: Biol 5233, Math 3355, CS 1511, Stat 3611 or instr consent , a grade of C- or better in is required in all prerequisite courses)  
63271-001 LEC, 03:00pm-03:50pm WF, SCC 120, 03:00pm-03:50pm M, MonH 209; Hampton, Marshall E, 3 cr

**5327-Advanced Linear Algebra**

(A-F only; prereq Graduate student or instr consent)  
61806-001 LEC, 10:00am-10:50am MW, BohH 343, 10:00am-10:50am F, BohH 346; Hampton, Marshall E, 3 cr

**5330-Theory of Numbers**

(A-F only; prereq 3355 with a grade of C- or better or instr consent)  
65461-001 LEC, 11:00am-11:50am MWF, EduE 36; Greene, John Robert, 3 cr

**5365-Graph Theory**

(A-F only; prereq 3355 with a grade of C- or better or instr consent)  
63625-001 LEC, 02:00pm-02:50pm MWF, HH 216; Froncek, Dalibor, 3 cr

**5372-Abstract Algebra II**

(A-F only; prereq 5371 with a grade of C- or better or instr consent)  
61750-001 LEC, 03:00pm-03:50pm MWF, EduE 36; Mc Farland, Robert L, 3 cr

**5810-Linear Programming**

(A-F only; prereq 3280 or 4326f with a grade of C- or better)  
65462-001 LEC, 11:00am-11:50am MWF, EduE 32; Liu, Zhuangyi, 3 cr

**5850-Numerical Differential Equations**

(A-F only; prereq 3280 with a grade of C- or better, proficiency in FORTRAN or C or C++)

67400-001 LEC, 12:00pm-12:50pm MWF, EduE 50; Trogdon, Steven Arman, 4 cr

**5991-Independent Study**

(max crs 8; 8 repeats allowed; A-F only; prereq dept consent ; Max 6 cr to a Grad School program.)

- 61527-001 IND; Fei, Guihua, 1-4 cr
- 61528-002 IND; Froncek, Dalibor, 1-4 cr
- 61529-003 IND; Gallian, Joseph A, 1-4 cr
- 61530-004 IND; Green, Richard F, 1-4 cr
- 61531-005 IND; Greene, John Robert, 1-4 cr
- 61532-006 IND; James, Barry R, 1-4 cr
- 61533-007 IND; James, Kang Ling, 1-4 cr
- 61534-008 IND; Latterell, Carmen Marie, 1-4 cr
- 61535-009 IND; Lenz, Kathryn E, 1-4 cr
- 61536-010 IND; Liu, Zhuangyi, 1-4 cr
- 61537-011 IND; Mc Farland, Robert L, 1-4 cr
- 61538-012 IND; Peckham, Bruce B L, 1-4 cr
- 61539-013 IND; Qi, Yongcheng, 1-4 cr
- 61540-014 IND; Regal, Ronald Ray, 1-4 cr
- 61541-015 IND; Stech, Harlan W, 1-4 cr
- 61777-016 IND; Trogdon, Steven Arman, 1-4 cr
- 62398-017 IND; Hampton, Marshall E, 1-4 cr
- 67754-018 IND; Li, Xuan, 1-4 cr

**8201-Real Analysis**

(A-F only; prereq 5201 with a grade of C- or better)

- 65463-001 LEC, 12:00pm-12:50pm MWF, EduE 16; Gui, Wenhao, 3 cr

**8333-FTE: Master's**

(NGA; prereq Master's student, adviser and DGS consent) 60845-001 DRS; Liu, Zhuangyi, 1 cr

**8777-Thesis Credits: Master's**

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))

- 61695-001 THE; Fei, Guihua, 1-18 cr
- 62204-002 THE; Froncek, Dalibor, 1-18 cr
- 62205-003 THE; Gallian, Joseph A, 1-18 cr
- 62206-004 THE; Green, Richard F, 1-18 cr
- 62207-005 THE; Greene, John Robert, 1-18 cr
- 62208-006 THE; James, Barry R, 1-18 cr
- 62209-007 THE; James, Kang Ling, 1-18 cr
- 62210-008 THE; Latterell, Carmen Marie, 1-18 cr
- 62211-009 THE; Lenz, Kathryn E, 1-18 cr
- 62212-010 THE; Liu, Zhuangyi, 1-18 cr
- 62213-011 THE; Mc Farland, Robert L, 1-18 cr
- 62214-012 THE; Peckham, Bruce B L, 1-18 cr
- 62215-013 THE; Qi, Yongcheng, 1-18 cr
- 62216-014 THE; Regal, Ronald Ray, 1-18 cr
- 62217-015 THE; Stech, Harlan W, 1-18 cr
- 62218-016 THE; Trogdon, Steven Arman, 1-18 cr
- 62399-017 THE; Hampton, Marshall E, 1-18 cr
- 67755-018 THE; Li, Xuan, 1-18 cr

**8994-Directed Research**

(max crs 12; 12 repeats allowed; A-F only; prereq Instructor consent)

- 61542-001 DRS; Fei, Guihua, 1-4 cr
- 61543-002 DRS; Froncek, Dalibor, 1-4 cr
- 61544-003 DRS; Gallian, Joseph A, 1-4 cr
- 61545-004 DRS; Green, Richard F, 1-4 cr
- 61546-005 DRS; Greene, John Robert, 1-4 cr
- 61547-006 DRS; James, Barry R, 1-4 cr
- 61548-007 DRS; James, Kang Ling, 1-4 cr
- 61549-008 DRS; Latterell, Carmen Marie, 1-4 cr
- 61550-009 DRS; Lenz, Kathryn E, 1-4 cr
- 61551-010 DRS; Liu, Zhuangyi, 1-4 cr
- 61552-011 DRS; Mc Farland, Robert L, 1-4 cr
- 61553-012 DRS; Peckham, Bruce B L, 1-4 cr
- 61554-013 DRS; Qi, Yongcheng, 1-4 cr
- 61555-014 DRS; Regal, Ronald Ray, 1-4 cr
- 61556-015 DRS; Stech, Harlan W, 1-4 cr
- 61778-016 DRS; Trogdon, Steven Arman, 1-4 cr
- 62400-017 DRS; Hampton, Marshall E, 1-4 cr
- 67756-018 DRS; Li, Xuan, 1-4 cr

**MECHANICAL ENGINEERING (ME)**

05 VKH, 1305 Ordean Court, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
218/726-6161, <http://www.d.umn.edu/mie>

**Swenson College of Science & Engineering**

**2105-Introduction to Material Science for Engineers**

(A-F only; prereq Chem 1151 or 1153 and 1154; credit will not be granted if previous given for Engr 2110 or IE 2105.)

- 63348-001 LEC, 02:00pm-02:50pm MWF, VKH 221; Dryke, Jake, 3 cr
- 63349-002 LEC, 09:00am-09:50am MWF, Engr 280; Zhao, Ping, 3 cr

**2226-Dynamics**

(Credit will not be granted if credit has been received for ENGR 2026; A-F only; prereq Engr 2015 or CE 2017 and

Math 3280)

- 63895-001 LEC, 10:00am-10:50am MWF, Engr 280; WU, INGRID, 3 cr
- 63896-002 LEC, 03:00pm-03:50pm MWF, Engr 280; WU, INGRID, 3 cr

**3111-Fluid Mechanics**

(A-F only; prereq Engr 2026, BSME or BSChE cand or instr consent ; credit will not be granted if already received for ChE 3111 or CE 3221.)

- 62673-001 LEC, 01:00pm-01:50pm MWF, Engr 177; Abou PhD, Seraphin Chally, 3 cr

**3140-System Dynamics and Control**

(A-F only; prereq CS 1121 or 1131 or 1211 or 1511 or 2121, ECE 2006, Math 3280, BSME cand or instr consent) 62674-001 LEC, 10:00am-10:50am MWF, Engr 177; Abou PhD, Seraphin Chally, 3 cr

**3211-Thermodynamics**

(A-F only; prereq Phys 2012 or 2015 and 2016, ME 3111, BSME or BSCE or CSCE or BSECE cand or instr consent .) 64415-002 LEC, 08:00am-08:50am MWF, Engr 280; Pedersen PhD, Bill, 3 cr

**3222-Controls and Kinematics Laboratory**

(A-F; prereq 3140 with a grade of C- or better, Concurrent registration is required (or allowed) in 3230; credit will not be granted if already received for IE 4135 and/or ME 4135)

- 001 LEC, 12:00pm-12:50pm M, Engr 290; WU, INGRID
- 62914-002 LAB, 10:00am-11:50am T, VKH 162; WU, INGRID, 2 cr
- 62917-003 LAB, 10:00am-11:50am Th, VKH 162; WU, INGRID, 2 cr
- 62921-005 LAB, 01:00pm-02:50pm T, VKH 162; WU, INGRID, 2 cr
- 62922-006 LAB, 01:00pm-02:50pm Th, VKH 162; WU, INGRID, 2 cr

**3230-Kinematics and Mechatronics**

(Credit will not be granted if credit has been received for: IE 4135; A-F; prereq 3140, Math 3298)

- 62926-002 LEC, 09:00am-09:50am MWF, VKH 221; 204 Engr; Zhou, Debao, 3 cr

**4060-Machine Vision and Image Based Robot Control**

(A-F only; prereq CS 1511, Math 3280, ME 3140 or equivalent; no grad credit)

- 68324-001 LEC, 02:00pm-02:50pm MWF, Chem 153; Zhou, Debao, 3 cr

**4112-Heat and Mass Transfer**

(Credit will not be granted if credit has been received for: CHE 3112; A-F only; prereq 3211, Math 3298, BSME or BSChE cand or instr consent)

- 62554-001 LEC, 01:00pm-01:50pm MWF, Engr 280; Pedersen PhD, Bill, 3 cr

**4122-Heat Transfer, Thermodynamics and Fluid Mechanics Laboratory**

(A-F only; prereq Concurrent registration is required (or allowed) in 4112 or ChE 3112 or instr consent , BSME cand)

- 001 LEC, 04:00pm-04:50pm M, Engr 280; Hoxie, Alison Behrens
- 62359-002 LAB, 08:00am-09:50am Th, VKH 168; Hoxie, Alison Behrens, 2 cr
- 62472-003 LAB, 01:00pm-02:50pm Th, VKH 168; Hoxie, Alison Behrens, 2 cr
- 004 LEC, 04:00pm-04:50pm M, Engr 118; Natarajan, Gana
- 63350-005 LAB, 01:00pm-02:50pm T, VKH 168; Natarajan, Gana, 2 cr
- 63351-006 LAB, 08:00am-09:50am T, VKH 168; Natarajan, Gana, 2 cr

**4145-CAD/CAM**

(A-F only; prereq Engr 2016, BSIE International Engineering, or BSME cand, or instr consent ; credit will not be granted if already received for IE 4145)

- 001 LEC, 03:00pm-03:50pm MWF, Engr 177; Greminger, Michael Allen
- 61304-002 LAB, 08:00am-09:50am T, Engr 204; Greminger, Michael Allen, 4 cr
- 61305-003 LAB, 12:00pm-01:50pm Th, H 470; Greminger, Michael Allen, 4 cr

**4175-Machine Design**

(A-F only; prereq Engr 2016 or CE 2017 and ME 2105, BSME cand or instr consent ; credit will not be granted if already received for IE 4175)

- 62555-001 LEC, 11:00am-11:50am MWF, Engr 280; Zhao, Ping, 3 cr

**4196-Cooperative Education**

(Credit will not be granted if credit has been received for: IE 4196; max crs 2; A-F only; prereq BSME cand, instr consent , no Grad School cr)

- 62361-001 IEX; Rosandich PhD, Ryan G, 1 cr

**4255-Multidisciplinary Senior Design**

(Credit will not be granted if credit has been received for: IE 4255; A-F only; prereq 4112, 4175, EMgt 4110, BSME cand, or instr consent ; no Grad School credit)

- 001 LEC, 03:00pm-04:50pm T, Engr 177; Tues 3-4:50 pm needs a regular lecture room for IE and ME 4255; Meets with: 61308 IE 4255; Pedersen PhD, Bill; Enemuoh PhD, Emmanuel U.
- 61996-002 LAB, 01:00pm-04:50pm Th, Engr 177; Thur 1-4:50 schedule IE and ME 4255 in 260 Engr; Enemuoh PhD, Emmanuel U., 4 cr

**4491-Independent Study in Mechanical Engineering**

(max crs 4; 4 repeats allowed; prereq Sr standing in engineering discipline, instr consent)

- 62254-001 IND; , 1-4 cr

**4495-Special Topics: (Various Titles to be Assigned)**

(max crs 12; 3 repeats allowed; A-F only; prereq BSME cand or instr consent , no Grad School cr)

- 62286-001 LEC, 02:00pm-02:50pm MWF, Engr 118; holding for Me 4050; Pope, Daniel, 1-4 cr; T: ASME Design Competition

**5305-Computational Fluid Dynamics**

(A-F; prereq Concurrent registration is required (or allowed) in 4112 or ChE 3112, BSChE, or BSME or BSIE candidate or dept consent)

- 62717-001 LEC, 03:00pm-03:50pm MW, Engr 118, 03:00pm-03:50pm F, Engr 204; Pope, Daniel, 3 cr

**5315-Nondestructive Evaluation of Engineering Materials**

(A-F; prereq 3140)

- 63962-811 LEC; ITV - C176 Mesabi Range Community College, 3 cr

**5325-Sustainable Energy System**

(A-F; prereq 3211, BSChE or BSCE or BSIE or BSME candidate, or dept consent)

- 62927-001 LEC, 02:00pm-02:50pm MWF, LSBE 118; Hoxie, Alison Behrens, 3 cr

**5991-Independent Study in Mechanical Engineering**

(max crs 6; 6 repeats allowed; prereq MSEM can, dept consent)

- 63114-001 IND, 1-4 cr

**MEDICAL AND MOLECULAR PHYSIOLOGY (Phsl)**

308 SMed, 135 University Drive, University of Minnesota Medical School Duluth, Duluth, MN, 55812-3011  
218/726-8512,

<http://www.med.umn.edu/duluth/about/home.html>

**Medical School - Duluth Campus**

**3011-General Physiology**

(A-F only; prereq Biol 1761 or Chem 1102 or instructor consent)

- 61453-001 LEC, 01:00pm-01:50pm MTHF, MWAH 191; Wittmers Jr, Lorentz E, 4 cr

**5211-Literature Seminar**

(max crs 2; S-N only)

- 62220-001 SEM; Wittmers Jr, Lorentz E, 1-2 cr

**5602-Physiology of Organ Systems II**

(A-F only; prereq 5601 or instr consent)

- 001 LEC, 02:00pm-03:40pm T, TBA; Class meets in Med 68.; Wittmers Jr, Lorentz E
- 62222-002 LAB, 02:00pm-04:00pm Th, . TBA; Class meets in Med 68.; Wittmers Jr, Lorentz E, 2 cr

**8333-FTE: Master's**

(NGA; prereq Master's student, adviser and DGS consent) 61742-001 DRS; Wittmers Jr, Lorentz E, 1 cr

**8441-Transport Processes**

(prereq 5601, instr consent)

- 62662-001 LEC; Wittmers Jr, Lorentz E, 2 cr

**8444-FTE: Doctoral**

(NGA; prereq Doctoral student, adviser and DGS consent) 61673-001 DRS; Wittmers Jr, Lorentz E, 1 cr

**8666-Doctoral Pre-Thesis Credits**

(max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))

- 61681-001 THE, 1-6 cr

**8777-Thesis Credits: Master's**

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))

- 61699-001 THE; Wittmers Jr, Lorentz E, 1-18 cr

**8888-Thesis Credits: Doctoral**

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
61709-001 THE; Wittmers Jr, Lorentz E, 1-24 cr

**MEDICAL MICROBIOLOGY AND IMMUNOLOGY (MicB)**

336 SMed, 135 University Drive, University of Minnesota Medical School Duluth, Duluth, MN, 55812-3011  
218/726-7561, <http://www.med.umn.edu/duluth/>

**Medical School - Duluth Campus**

**5546-Immunopathology**

(A-F only; prereq 5545, instr consent)  
63239-001 LEC; Clarke, Benjamin L, 3 cr

**5555-Molecular Pathogenesis: Current Concepts**

(A-F only; prereq Biol 2201 or equiv, Biol 4501 or equivalent or instr consent)  
62040-001 LEC, 12/22/12-08/31/13; Clarke, Benjamin L, 3 cr

**8333-FTE: Master's**

(NGA; prereq Master's student, adviser and DGS consent)  
60847-001 DRS; Ziegler, Richard J, 1 cr

**8444-FTE: Doctoral**

(NGA; prereq Doctoral student, adviser and DGS consent)  
61671-001 DRS; Ziegler, Richard J, 1 cr

**8554-Advanced Immunology and Immunobiology**

(A-F only; prereq 5545 or instructor consent)  
62469-001 DIS; Ziegler, Richard J, 2 cr

**8777-Thesis Credits: Master's**

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))  
61697-001 THE; Ziegler, Richard J, 1-18 cr

**8888-Thesis Credits: Doctoral**

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
61707-001 THE; Ziegler, Richard J, 1-24 cr

**MEDICINE (Med)**

141 SMed, 135 University Drive, University of Minnesota Medical School Duluth, Duluth, MN, 55812-3011  
218/726-8555, <http://www.med.umn.edu/duluth/>

**Medical School - Duluth Campus**

**601-Basic Science I**

(P-N only; prereq Regis Med Student)  
61425-001 LEC; Westra, Ruth E, 0 cr

**602-Basic Science II**

(P-N only; prereq Regis Med Student)  
61426-001 LEC; Westra, Ruth E, 0 cr

**691-Independent Study**

(P-N only; prereq Regis Med Student)  
61424-001 IND; Westra, Ruth E, 0 cr

**693-Directed Study**

(NGA; prereq Regis Med Student)  
61428-001 DST, 01/22/13-05/10/13, 0 cr

**694-Research**

(P-N only; prereq Regis Med Student)  
61427-001 DRS, 0 cr

**3998-Human Biology and Behavior Topics**

(max crs 12; 12 repeats allowed; prereq instr consent)  
61423-001 LEC; Lillian Repesh, 1-10 cr

**6023-Seminars in Indian Health**

(max crs 3; P-N only; prereq 2nd year med student)  
61429-001 LEC; Second year med students only; Dorscher, Joycelyn Ann, 1-2 cr

**6531-Rural Family Medicine II - Native American and Minority Medical Scholars Program**

(P-N; prereq Medical Student)  
63868-001 IND; Christensen MD, Raymond G, 4 cr

**6573-Neurological Medicine**

(P-N; prereq Regis med student or instr consent)  
61741-001 LEC; Forbes PhD, Donna J, 1.1 cr

**6724-Gastrointestinal Medicine**

(P-N; prereq Regis med student)  
61860-001 LEC; Heller PhD, Lois Jane, 6 cr

**6762-Hormonal and Reproductive Medicine**

(P-N; prereq Regis med student)  
61433-001 LEC; Krafts MD, Kristine Pauline, 5 cr

**6788-Skin/Musculoskeletal System**

(P-N; prereq Regis med student)  
63825-001 LEC; Repesh, Lillian A, 5 cr

**MUSIC (Mu)**

231 H, 1201 Ordean Court, School of Fine Arts, Duluth, MN, 55812-3011  
218/726-8208, <http://www.d.umn.edu/music/>

**School of Fine Arts**

**100-Recital Hour**

(4 repeats allowed; S-N; prereq Concurrent registration in applied instruction)  
61354-001 LAB, 12:00pm-12:50pm Th, WMH 101; Campbell, Jefferson T, 0 cr  
62085-002 LAB; Campbell, Jefferson T, 0 cr

**200-Basic Piano Proficiency**

(S-N; prereq 1421, 1422, 2422)  
63671-001 INI; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 0 cr  
63849-002 INI; Advanced piano for Vocal Music Ed and Piano Performance students.; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 0 cr

**300-Advanced Standing Exam**

(S-N; prereq three semesters of 1xxx level applied study, department consent)  
63676-001 INI; (Voice); MOKOLE, Elias; Wold, Stanley R; Thielen-Gaffey, Tina; Inselman, Rachel Laura, 0 cr  
63677-002 INI; (Piano); Chernyshev, Alexander; Rubin, Justin Henry; Lipke-Perry, Tracy Donna; Frane, Ryan J, 0 cr  
63678-003 INI; (Strings); Husby, Betsy Margare; Booker, Adam; Perrault, Rudy, 0 cr  
63679-004 INI; (Woodwinds); Bombardier, Bradley Andrew; Campbell, Jefferson T; Van Brunt, Laurie; Schoen, Theodore A; Gudmundson, Paula Marie, 0 cr  
63680-005 INI; (Brass); Eaton, Daniel W; Whitlock, Mark Eugene; Pospisil, James A; Pfothenauer, Thomas R, 0 cr  
63681-006 INI; (Guitar); Jonker, Jacob Peter; Barnard, William Michael, 0 cr  
63714-007 INI; (Percussion); Koshinski, Eugene J, 0 cr

**1001-Introduction to Music**

(prereq Not for music majors or minors; meets DLE req of Fine Arts; meets LE req of LE CAT9; meets LEIP req of LEIP CAT09)  
62172-001 LEC, 02:00pm-02:50pm MWF, H 222; CE Reserved Seats are available to all UMD students on 01/15/13.; 3 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Booker, Adam, 3 cr  
63373-002 LEC, 01:00pm-01:50pm MWF, MonH 80; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Bombardier, Bradley Andrew, 3 cr  
63834-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Rubin, Justin Henry, 3 cr

**1004-Music in Film**

(A-F only; meets DLE req of Fine Arts)  
66644-001 LEC, 12:00pm-12:50pm MWF, H 150; CE Reserved Seats are available to all UMD students on 01/15/13.; 3 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Campbell, Jefferson T, 3 cr

**1005-Jazz Studies**

(A-F; meets DLE req of Cultural Diversity in the US; meets DLE req of Fine Arts; meets LE req of LE CAT9; meets LECD req of LECD CAT09)  
61352-001 LEC, 11:00am-11:50am MWF, MonH 80; CE Reserved Seats are available to all UMD students on 01/15/13.; 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Barnard, William Michael, 3 cr  
61353-002 LEC, 12:00pm-12:50pm MWF, MonH 80; CE Reserved Seats are available to all UMD students on 01/15/13.; 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Barnard, William Michael, 3 cr

**1121-Tonal Harmony II**

(A-F; prereq 1111)  
62886-001 LEC, 08:00am-08:50am MWF, H 150; Gudmundson, Paula Marie, 3 cr  
63539-002 LEC, 09:00am-09:50am MWF, H 150; Gudmundson, Paula Marie, 3 cr

**1122-Ear-Training II**

(A-F; prereq 1112)  
62929-001 LAB, 08:00am-08:50am TTh, WMH 206; Husby, Betsy Margare, 1 cr  
62930-002 LAB, 10:00am-10:50am MW, WMH 206; Husby, Betsy Margare, 1 cr

**1311-Voice - Major**

(max crs 18; 18 repeats allowed; A-F; prereq Music major, dept consent, performance majors register for 3 cr in major instrument only; all others register for 2 cr)  
61289-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour ar-

ranged lesson); Inselman, Rachel Laura; Wold, Stanley R; Kulas, Kate F; Thielen-Gaffey, Tina; MOKOLE, Elias, 2 cr  
61570-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; MOKOLE, Elias; Wold, Stanley R, 3 cr

**1312-Voice-Non Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instr; may be repeated)  
61290-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Inselman, Rachel Laura; Kulas, Kate F; Wold, Stanley R; MOKOLE, Elias; Klinkenborg, Meghan Larsen; Thielen-Gaffey, Tina; McConico, Marcus A; Graupmann, Jennifer Lee; Hoffman, Dan; Ufema, Kate, 1 cr

**1321-Piano - Major**

(max crs 18; 18 repeats allowed; A-F; prereq Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61307-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Rubin, Justin Henry; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 2 cr  
61571-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Rubin, Justin Henry; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 3 cr

**1322-Piano-Non Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instr; may be repeated)  
61294-001 STU; (student must arrange 1/2 hr weekly lesson in 231Humanities); Chernyshev, Alexander; Rubin, Justin Henry; Bloedel, Constance Kathleen; Booker, Sally Joan; Holstrom, Jacqueline Wambach; Lipke-Perry, Tracy Donna, 1 cr

**1325-Jazz Piano-Major**

(max crs 18; 9 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61311-001 STU, 01:00pm-01:50pm Th, H 224; (+ 1 hour arranged lesson); Frane, Ryan J, 2 cr  
61572-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hr arranged lesson); Frane, Ryan J, 3 cr

**1326-Jazz Piano-Non Major**

(max crs 12; 12 repeats allowed; A-F; prereq Non-music major or music major sec instrument)  
61313-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Frane, Ryan J, 1 cr

**1327-Jazz Applied**

(max crs 12; 6 repeats allowed; A-F only; prereq 2803)  
63503-001 STU; (+ 1 hr arranged lesson); Barnard, William Michael, 2 cr  
64216-002 STU; Frane, Ryan J, 2 cr  
64217-003 STU; Koshinski, Eugene J, 2 cr  
64218-004 STU; Pfothenauer, Thomas R, 2 cr

**1331-Organ-Major**

(max crs 18; 9 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61314-001 STU, 01:00pm-01:50pm Th, BohH 25A; (+ 1 hour arranged lesson); Rubin, Justin Henry, 2 cr  
61573-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hr arranged lesson); Rubin, Justin Henry, 3 cr

**1332-Organ-Non Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instr; may be repeated)  
61316-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Rubin, Justin Henry, 1 cr

**1350-Violin - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
63756-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Liu, Te-Chiang; Perrault, Rudy, 1 cr

**1351-Violin - Major**

(max crs 18; 9 repeats allowed; A-F; prereq Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61318-001 STU, 01:00pm-01:50pm Th, H 243; (+ 1 hour arranged lesson); Perrault, Rudy, 2 cr  
61574-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Perrault, Rudy, 3 cr

**1352-Viola - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
61320-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H231); Liu, Te-Chiang; Perrault, Rudy, 1 cr

**1353-Viola - Major**

(max crs 18; 9 repeats allowed; A-F only; prereq Music major, performance majors register for 3 cr; all others

# University of Minnesota – Class Schedule for Duluth Campus

## Spring 2013

- register for 2 cr.)  
63767-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Perrault, Rudy, 2 cr  
63768-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Perrault, Rudy, 3 cr
- 1354-Cello - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
63757-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Husby, Betsy Margare, 1 cr
- 1355-Cello - Major**  
(max crs 18; 9 repeats allowed; A-F only; prereq Music major, performance majors register for 3 cr; all others register for 2 cr.)  
63769-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Husby, Betsy Margare, 2 cr  
63770-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Husby, Betsy Margare, 3 cr
- 1356-Harp - Non-Majors**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
63758-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Lemire, Janell Marie, 1 cr
- 1357-Harp - Major**  
(max crs 18; 9 repeats allowed; A-F; prereq Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61322-001 STU, 01:00pm-01:50pm Th, H 231; (1 hr arranged lesson); Lemire, Janell Marie, 2 cr  
61575-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Lemire, Janell Marie, 3 cr
- 1358-Bass - Non-Majors**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
61324-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Booker, Adam, 1 cr
- 1359-Bass - Major**  
(max crs 18; 9 repeats allowed; A-F only; prereq Music major, performance majors register for 3 cr; all others register for 2 cr)  
63771-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Booker, Adam, 2 cr  
63772-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Booker, Adam, 3 cr
- 1360-Clarinet - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
63759-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Schoen, Theodore A, 1 cr
- 1361-Clarinet - Major**  
(max crs 18; 9 repeats allowed; A-F; prereq Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61326-001 STU, 01:00pm-01:50pm Th. . TBA; (+ 1 hour arranged lesson); Schoen, Theodore A, 2 cr  
61576-002 STU, 01:00pm-01:50pm Th. . TBA; (+ 1 hour arranged lesson); Schoen, Theodore A, 3 cr
- 1362-Saxophone - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
61328-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H231); Schoen, Theodore A; Bombardier, Bradley Andrew, 1 cr
- 1363-Saxophone - Major**  
(max crs 18; 9 repeats allowed; A-F only; prereq Music major, performance majors register for 3 credits, all others register for 2 credits.)  
63773-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Bombardier, Bradley Andrew; Schoen, Theodore A, 2 cr  
63774-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Bombardier, Bradley Andrew; Schoen, Theodore A, 3 cr
- 1364-Flute - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
63760-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Gudmundson, Paula Marie, 1 cr
- 1365-Flute - Major**  
(max crs 18; 9 repeats allowed; A-F only; prereq Music major, performance majors register for 3 cr; all others register for 2 cr.)  
63775-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Gudmundson, Paula Marie, 2 cr  
63776-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Gudmundson, Paula Marie, 3 cr
- 1366-Oboe - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
63761-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Van Brunt, Laurie, 1 cr
- 1367-Oboe - Major**  
(max crs 18; 9 repeats allowed; A-F only; prereq Music major, performance majors register for 3 cr all others register for 2 cr)  
63777-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Van Brunt, Laurie, 2 cr  
63778-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Van Brunt, Laurie, 3 cr
- 1368-Bassoon - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
63762-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Campbell, Jefferson T, 1 cr
- 1369-Bassoon - Major**  
(max crs 18; 9 repeats allowed; A-F only; prereq Music major, performance majors register for 3 cr all others register for 2 cr)  
63779-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Campbell, Jefferson T, 2 cr  
63780-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Campbell, Jefferson T, 3 cr
- 1370-Trumpet - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
63763-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Pfothenauer, Thomas R, 1 cr
- 1371-Trumpet - Major**  
(max crs 12; 6 repeats allowed; A-F; prereq Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61330-001 STU, 01:00pm-01:50pm Th, H 245; (+ 1 hour arranged lesson); Pfothenauer, Thomas R, 2 cr  
61577-002 STU, 01:00pm-01:50pm Th. . TBA; (+ 1 hour arranged lesson); Pfothenauer, Thomas R, 3 cr
- 1372-Trombone - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
61372-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H231); Bromme, Derek Michael; Whitlock, Mark Eugene, 1 cr
- 1373-Trombone - Major**  
(max crs 12; 6 repeats allowed; A-F only; prereq Music major, performance majors register for 3 cr all others register for 2 cr)  
63781-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Whitlock, Mark Eugene, 2-3 cr  
63782-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Whitlock, Mark Eugene, 2-3 cr
- 1374-French Horn - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instruments)  
63764-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Pospisil, James A, 1 cr
- 1375-French Horn - Major**  
(max crs 12; 6 repeats allowed; A-F only; prereq Music major, performance majors register for 3 cr all others register for 2 cr)  
63783-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Pospisil, James A, 2 cr  
63784-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Pospisil, James A, 3 cr
- 1376-Tuba - Non-major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
63765-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Eaton, Daniel W, 1 cr
- 1377-Tuba - Major**  
(max crs 12; 6 repeats allowed; A-F only; prereq Music major, performance majors register for 3 cr all other register for 2 cr)  
63785-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Eaton, Daniel W, 2 cr  
63786-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Eaton, Daniel W, 3 cr
- 1378-Euphonium - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
63766-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Eaton, Daniel W, 1 cr
- 1379-Euphonium - Major**  
(max crs 12; 6 repeats allowed; A-F only; prereq Music major, performance majors register for 3 credits all others register for 2 cr)  
63787-001 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Eaton, Daniel W, 2 cr
- 63788-002 STU, 01:00pm-01:50pm Th. . TBA; (1 hr arranged lesson); Eaton, Daniel W, 3 cr
- 1381-Percussion-Major**  
(max crs 12; 6 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61332-001 STU, 01:00pm-01:50pm Th. . TBA; (+ 1 hour arranged lesson); Koshinski, Eugene J, 2 cr  
61578-002 STU, 01:00pm-01:50pm Th. . TBA; (+ 1 hour arranged lesson); Koshinski, Eugene J, 3 cr
- 1382-Percussion-Non Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
61335-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Broscius, Timothy L; Koshinski, Eugene J, 1 cr
- 1391-Classical Guitar-Major**  
(max crs 12; 6 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61337-001 STU, 01:00pm-01:50pm Th. . TBA; (+ 1 hour arranged lesson); Jonker, Jacob Peter, 2 cr  
61579-002 STU, 01:00pm-01:50pm Th. . TBA; (+ 1 hour arranged lesson); Jonker, Jacob Peter, 3 cr
- 1392-Classical Guitar-Non Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)  
61341-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Jonker, Jacob Peter, 1 cr
- 1395-Jazz Guitar - Major**  
(max crs 12; 6 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61343-001 STU, 01:00pm-01:50pm Th. . TBA; (+ 1 hour arranged lesson); Pfothenauer, Thomas R, 2 cr  
61580-002 STU, 01:00pm-01:50pm Th. . TBA; (+ 1 hour arranged lesson); Barnard, William Michael, 3 cr
- 1396-Jazz Guitar-Non Major**  
(max crs 12; 12 repeats allowed; A-F only; Non-Music major or Music major sec instr; may be repeated)  
61345-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Cooper, James M; O'Hara, Thomas; Barnard, William Michael, 1 cr
- 1398-Pop Styles Guitar- Non Major**  
(max crs 12; 12 repeats allowed; A-F; prereq Non-music major or music major sec instrument)  
61347-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Barnard, William Michael; O'Hara, Thomas; Cooper, James M, 1 cr
- 1413-Diction: French**  
(A-F only; prereq 1411 or instr consent)  
66723-001 LEC, 11:00am-11:50am TTh, H 222; MOKOLE, Elias, 1 cr
- 1422-Piano Class II**  
(A-F only; prereq Music major or instr consent)  
62481-001 LAB, 09:00am-09:50am MW, H 160; Chernyshev, Alexander, 1 cr  
62482-002 LAB, 09:00am-09:50am TTh, H 160; Chernyshev, Alexander, 1 cr
- 1440-Survey of Instrumental Techniques**  
(A-F only; prereq Music major or instr consent)  
62039-001 LAB, 11:00am-11:50am MW, ChPk 208; Perrault, Rudy; Bombardier, Bradley Andrew; Pospisil, James A; Gudmundson, Paula Marie, 1 cr
- 1441-Vocal Techniques**  
(prereq Music major or instr consent)  
61241-001 LEC, 10:00am-10:50am TTh, H 222; MOKOLE, Elias, 1 cr
- 1501-Concert Band**  
(max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets DLE req of Fine Arts; meets LE req of LE CAT10)  
61190-001 REH, 02:00pm-03:20pm TTh, ChPk B13; Meets with: 61202 MU 4501; Eaton, Daniel W, 1 cr
- 1502-Symphonic Wind Ensemble**  
(max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets DLE req of Fine Arts; meets LE req of LE CAT10; meets LEIP req of LEIP CAT10)  
61191-001 REH, 03:05pm-04:35pm MWF, ChPk B13; Meets with: 61205 MU 4502; Whitlock, Mark Eugene, 1 cr
- 1503-Symphony Orchestra**  
(max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets DLE req of Fine Arts; meets LE req of LE CAT10; meets LEIP req of LEIP CAT10)  
61192-001 REH, 07:00pm-09:30pm TTh, ChPk B13; Meets with: 61206 MU 4503; Perrault, Rudy, 1 cr
- 1504-Chamber Orchestra**



- (max crs 12; 12 repeats allowed; prereq instr consent; meets DLE req of Fine Arts; meets LE req of LE CAT10)  
61752-001 REH, 05:00pm-06:30pm MW, ChPk B13; Meets with: 61753 MU 4504; Perrault, Rudy, 1 cr
- 1505-Jazz Ensemble**  
(max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets DLE req of Fine Arts; meets LE req of LE CAT10; meets LECD req of LECD CAT10)  
61239-001 REH, 01:20pm-02:30pm MWF, ChPk B13; Additional 90 minute arranged sectional time is required with time to be arranged by instructor.; Meets with: 61250 MU 4505; Frane, Ryan J, 1 cr  
61240-002 REH, 12:15pm-01:15pm MWF, ChPk B13; Meets with: 61251 MU 4505; Pfothenhauer, Thomas R, 1 cr
- 1510-Concert Chorale**  
(max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets DLE req of Fine Arts; meets LE req of LE CAT10)  
61242-001 REH, 04:00pm-05:30pm MW, MonH 80; Meets with: 61252 MU 4510; Thielen-Gaffey, Tina, 1 cr
- 1511-University Singers**  
(max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets DLE req of Fine Arts; meets LE req of LE CAT10; meets LEIP req of LEIP CAT10)  
61243-001 REH, 03:20pm-04:30pm MTWTh, ChPk 209; Meets with: 61244 MU 4511; Wold, Stanley R, 1 cr
- 1512-Chamber Singers**  
(max crs 12; 12 repeats allowed; prereq Concurrent registration is required (or allowed) in 1511 or 4511; instructor determines placement; meets DLE req of Fine Arts; meets LE req of LE CAT10)  
61245-001 REH, 02:00pm-03:15pm MW, ChPk 209; Meets with: 61253 MU 4512; Wold, Stanley R, 1 cr
- 1513-Vocal Jazz Ensemble**  
(max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets DLE req of Fine Arts; meets LE req of LE CAT10; meets LECD req of LECD CAT10)  
61246-001 REH, 05:00pm-06:00pm TTh, ChPk 213, 05:45pm-06:45pm W, SCC 6; (Lake Effect); Meets with: 61254 MU 4513; Thielen-Gaffey, Tina, 1 cr  
61780-002 REH, 06:00pm-07:00pm TTh, ChPk 213; (Chill Factor); Meets with: 61781 MU 4513; Thielen-Gaffey, Tina, 1 cr
- 1515-Percussion Ensemble**  
(max crs 10; 10 repeats allowed; A-F only; prereq Instructor consent; maximum of 10 credits between MU 1515 and 4515)  
68727-001 REH, 03:30pm-04:45pm TTh, ChPk B13; (Percussion Ensemble); Meets with: 68728 MU 4515; Koshinski, Eugene J, 1 cr
- 1541-Chamber Music**  
(max crs 6; 12 repeats allowed; A-F only; prereq Instructor determines placement)  
61259-002 REH, 05:00pm-05:50pm MW, WMH 206; (Combo I); Meets with: 61269 MU 4541; Frane, Ryan J, 1 cr  
61260-003 REH, 06:00pm-06:50pm TTh, WMH 206; (Combo II); Meets with: 61270 MU 4541; Booker, Adam, 1 cr  
61261-004 REH, 06:00pm-06:50pm TTh, H 171; (Combo III); Meets with: 61271 MU 4541; Koshinski, Eugene J, 1 cr  
61262-005 REH, 06:00pm-06:50pm MW, WMH 206; (Combo IV); Meets with: 61272 MU 4541; Barnard, William Michael, 1 cr  
61263-006 REH, 04:00pm-06:00pm F, MonH 80; (Pep Band); Meets with: 61273 MU 4541; Eaton, Daniel W, 1 cr  
61264-007 REH, 04:00pm-04:50pm MW, WMH 206; (Guitar Ensemble I); Meets with: 61274 MU 4541; Barnard, William Michael, 1 cr  
61265-008 REH; (1-2 hr arr time with instructor) (Strings); Meets with: 61275 MU 4541; Husby, Betsy Margare, 1 cr  
61266-009 REH, 07:00pm-07:50pm MW, WMH 206; (1-2 hr arr time with instructor in H 245) (Brass Quintet); Meets with: 61276 MU 4541; Pfothenhauer, Thomas R, 1 cr  
61267-010 REH; (1-2 hr arr time with instructor) (Woodwinds); Meets with: 61277 MU 4541; Campbell, Jefferson T; Schoen, Theodore A, 1 cr  
61581-011 REH; (1-2 hr arr time with instructor) (Piano Trio); Meets with: 61592 MU 4541; Husby, Betsy Margare, Chernyshev, Alexander, 1 cr  
61964-013 REH, 03:00pm-03:50pm MW, WMH 206; (1-2 hr arr time with instructor) (Guitar Ensemble II); Meets with: 61965 MU 4541; Barnard, William Michael, 1 cr  
62313-014 REH; (1-2 hr arr time with instructor) (Classical Guitar Ensemble); Meets with: 62314 MU 4541; Jonker, Jacob Peter, 1 cr  
63060-015 REH; Meets with: 63059 MU 4541; Pfothenhauer, Thomas R, 1 cr  
63201-016 REH; Meets with: 63202 MU 4541; Bombardier, Bradley Andrew, 1 cr  
63525-017 REH; Meets with: 63526 MU 4541; Whitlock, Mark Eugene, 1 cr
- 66746-018 REH; (1-2 hr arr time with instructor) (Combo V), 1 cr  
63929-019 REH; Meets with: 63930 MU 4541; Thielen-Gaffey, Tina, 1 cr  
66747-020 REH; (1-2 hr arr time with instructor) (Piano Ensemble); Lipke-Perry, Tracy Donna, 1 cr  
66748-021 REH; (1-2 hr arr time with instructor) (Clarinet Ensemble); Schoen, Theodore A, 1 cr  
66749-022 REH; (1-2 hr arr time with instructor) (Flute Ensemble); Gudmundson, Paula Marie, 1 cr  
68516-023 REH; (Octet); Meets with: 68517 MU 4541; Schoen, Theodore A, 1 cr
- 2001-Ethnic and Folk Music of the World**  
(meets DLE req of Fine Arts; meets LE req of LE CAT9; meets LEIP req of LEIP CAT09)  
61388-001 LEC, 01:00pm-01:50pm MWF, H 150; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Broscius, Timothy L, 3 cr  
61656-002 LEC, 02:00pm-02:50pm MWF, H 150; Thielen-Gaffey, Tina, 3 cr
- 2003-Survey of American Music**  
(meets DLE req of Fine Arts; meets LE req of LE CAT9)  
62577-001 LEC, 10:00am-10:50am MWF, H 222; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Gudmundson, Paula Marie, 3 cr
- 2005-African Roots of American Music**  
(meets DLE req of Fine Arts; meets LE req of LE CAT9; meets LECD req of LECD CAT09)  
67862-090 LEC, 05:00pm-07:40pm T, H 150; Koshinski, Eugene J, 3 cr
- 2105-Composition I**  
(max crs 4; A-F only; prereq 1121 or 1122)  
61278-001 LEC, 12:00pm-01:40pm F, H 222; Meets with: 61279 MU 3105, 61280 MU 4105; Rubin, Justin Henry, 2 cr
- 2110-Jazz Theory**  
(A-F only; prereq 1111, 1421 or instr consent)  
63504-001 LEC, 10:00am-10:50am MWF, H 160; Frane, Ryan J, 2 cr
- 2121-Tonal Harmony IV**  
(A-F; prereq 2111)  
62931-001 LEC, 09:00am-09:50am MWF, WMH 206; Rubin, Justin Henry, 3 cr
- 2122-Ear-Training, Sight Singing and Improvisation**  
(A-F; prereq 2112)  
62932-001 LAB, 09:00am-09:50am TTh, H 222; Husby, Betsy Margare, 1 cr
- 2422-Piano Proficiency Preparation**  
(max crs 2; A-F; prereq Music major, dept consent)  
62994-001 LAB, 11:00am-11:50am TTh, H 160; Chernyshev, Alexander, 1 cr
- 2445-String Techniques**  
(A-F only; prereq Music major or instr consent)  
63506-001 LEC, 11:00am-11:50am MW, ChPk B13; Perrault, Rudy; Booker, Adam; Husby, Betsy Margare, 1 cr
- 2447-Brass Techniques**  
(A-F only; prereq Music major or instr consent)  
63505-001 LAB, 11:00am-11:50am MW, ChPk 209; Eaton, Daniel W; Pfothenhauer, Thomas R; Pospisil, James A, 1 cr
- 2605-Introduction to Music Education**  
(A-F only; prereq Music Ed major or instr consent)  
61864-001 LEC, 09:00am-09:50am F, H 170; Edmund, David Charles, 1 cr
- 2701-Fundamentals of Conducting**  
(A-F only; prereq 1121, 1122, Music major or instr consent)  
61247-001 LAB, 10:00am-10:50am TTh, WMH 206; Wold, Stanley R, 1 cr  
63527-002 LAB, 11:00am-11:50am MW, WMH 206; Wold, Stanley R, 1 cr
- 2803-Jazz Improvisation II**  
(A-F only; prereq 2101, 2802 or instr consent)  
61761-001 LAB, 11:00am-11:50am TTh, WMH 206; Booker, Adam; Barnard, William Michael, 2 cr
- 3105-Composition II**  
(max crs 4; A-F only; prereq 2105)  
61279-001 LEC, 12:00pm-01:40pm F, H 222; (+1 hr arr); Meets with: 61278 MU 2105, 61280 MU 4105; Rubin, Justin Henry, 2 cr
- 3202-Music History II**  
(A-F only; prereq 3201 or instr consent)  
61285-001 LEC, 10:00am-10:50am MWF, H 150; Muehlenbeck PhD, Bettina S., 3 cr
- 3300-Junior Recital**  
(max crs 3; 3 repeats allowed; A-F only; prereq dept consent , may be repeated)  
61248-001 DST; Barnard, William Michael, 1 cr  
63716-002 DST; Bombardier, Bradley Andrew, 1 cr  
63717-003 DST; Campbell, Jefferson T, 1 cr  
63718-004 DST; Chernyshev, Alexander, 1 cr  
63719-005 DST; Eaton, Daniel W, 1 cr  
63720-006 DST; Frane, Ryan J, 1 cr  
63721-007 DST; Husby, Betsy Margare, 1 cr  
63722-008 DST; Inselman, Rachel Laura, 1 cr  
63723-009 DST; Jonker, Jacob Peter, 1 cr  
63724-010 DST; Koshinski, Eugene J, 1 cr  
63725-011 DST; MOKOLE, Elias, 1 cr  
63726-012 DST; Perrault, Rudy, 1 cr  
63727-013 DST; Pfothenhauer, Thomas R, 1 cr  
63728-014 DST; Pospisil, James A, 1 cr  
63729-015 DST; Rubin, Justin Henry, 1 cr  
63730-016 DST; Booker, Adam, 1 cr  
63838-017 DST; Pierce, Alice O., 1 cr  
64220-018 DST; Schoen, Theodore A, 1 cr  
64221-019 DST; Scott, Lorie E, 1 cr  
64222-020 DST; Thielen-Gaffey, Tina, 1 cr  
64223-021 DST; Van Brunt, Laurie, 1 cr  
64224-022 DST; , 1 cr  
64225-023 DST; Whitlock, Mark Eugene, 1 cr  
64226-024 DST; Wold, Stanley R, 1 cr
- 3350-Half-Recital**  
(S-N only)  
63685-001 LEC; Barnard, William Michael, 0 cr  
63686-002 LEC; Bombardier, Bradley Andrew, 0 cr  
63687-003 LEC; Campbell, Jefferson T, 0 cr  
63688-004 LEC; Chernyshev, Alexander, 0 cr  
63689-005 LEC; Eaton, Daniel W, 0 cr  
63690-006 LEC; Frane, Ryan J, 0 cr  
63691-007 LEC; Husby, Betsy Margare, 0 cr  
63692-008 LEC; Inselman, Rachel Laura, 0 cr  
63693-009 LEC; Jonker, Jacob Peter, 0 cr  
63694-010 LEC; Koshinski, Eugene J, 0 cr  
63695-011 LEC; MOKOLE, Elias, 0 cr  
63696-012 LEC; Perrault, Rudy, 0 cr  
63697-013 LEC; Pfothenhauer, Thomas R, 0 cr  
63698-014 LEC; Pospisil, James A, 0 cr  
63699-015 LEC; Rubin, Justin Henry, 0 cr  
63700-016 LEC; Booker, Adam, 0 cr  
63839-017 LEC; , 0 cr  
64228-018 LEC; Schoen, Theodore A, 0 cr  
64229-019 LEC; Gudmundson, Paula Marie, 0 cr  
64230-020 LEC; Thielen-Gaffey, Tina, 0 cr  
64231-021 LEC; Van Brunt, Laurie, 0 cr  
64232-022 LEC; Lipke-Perry, Tracy Donna, 0 cr  
64233-023 LEC; Whitlock, Mark Eugene, 0 cr  
64234-024 LEC; Wold, Stanley R, 0 cr
- 3510-Opera Studio**  
(A-F only; prereq instr consent ; may be repeated)  
61249-001 LEC, 12:45pm-01:50pm MWF, WMH 206; Meets with: 61772 MU 5510; Pierce, Alice O., 1 cr
- 3600-Music in the Elementary Classroom**  
(A-F only; prereq Elementary/middle school teacher education candidate; credit will not be granted if already received for MU 1601 and 3601)  
63753-001 LEC, 10:00am-10:50am MWF, H 170; Chen-Edmund, Jian-Jun, 3 cr  
63754-002 LEC, 11:00am-11:50am MWF, H 170; Thielen-Gaffey, Tina, 3 cr
- 3607-Instrumental Music Methods**  
(A-F only; prereq music major or instr consent)  
61197-001 LEC, 10:00am-10:50am MWF, ChPk 208; Eaton, Daniel W, 3 cr
- 3609-Teaching Elementary Music II**  
(A-F only; prereq MU 3606, 3608 or instr consent ; credit will not be granted if credit was received for 3605.)  
63507-001 LEC, 09:00am-09:50am TTh, H 170; Edmund, David Charles, 2 cr
- 3628-Art of Accompanying: Instrumental Music**  
(A-F only; prereq instr consent)  
63701-001 LEC, 02:00pm-02:50pm MW, WMH 206; Meets with: 64546 MU 5628; Lipke-Perry, Tracy Donna, 2 cr
- 3702-Choral Conducting and Methods II**  
(A-F only; prereq 3701 or instr consent)  
61283-001 LEC, 09:00am-09:50am MWF, H 222; Wold, Stanley R, 3 cr
- 3706-Instrumental Conducting II**  
(A-F only; prereq 3705 or instr consent)  
61198-001 LAB, 11:00am-11:50am TTh, H 150; Whitlock, Mark Eugene, 1 cr
- 3806-Jazz Writing II**  
(A-F only; prereq Mu 3805 or instr consent)  
66820-001 LEC, 10:00am-10:50am TTh, H 160; Booker, Adam, 2 cr

**3991-Independent Study**

(max crs 6; 6 repeats allowed; A-F only; prereq instr consent)

- 61232-001 IND; Campbell, Jefferson T, 1-3 cr
- 64236-002 IND; Chernyshev, Alexander, 1-3 cr
- 64237-003 IND; , 1-3 cr
- 64238-004 IND; Eaton, Daniel W, 1-3 cr
- 64239-005 IND; Frane, Ryan J, 1-3 cr
- 64240-006 IND; Husby, Betsy Margare, 1-3 cr
- 64241-007 IND; Inselman, Rachel Laura, 1-3 cr
- 64242-008 IND; Koshinski, Eugene J, 1-3 cr
- 64243-009 IND; Perrault, Rudy, 1-3 cr
- 64244-010 IND; Pfothenhauer, Thomas R, 1-3 cr
- 64245-011 IND; Rubin, Justin Henry, 1-3 cr
- 64246-012 IND; Schoen, Theodore A, 1-3 cr
- 64247-013 IND; Gudmundson, Paula Marie, 1-3 cr
- 64248-014 IND; Thielen-Gaffey, Tina, 1-3 cr
- 64249-015 IND; Van Brunt, Laurie, 1-3 cr
- 64250-016 IND; , 1-3 cr
- 64251-017 IND; Whitlock, Mark Eugene, 1-3 cr
- 64252-018 IND; Wold, Stanley R, 1-3 cr
- 64253-019 IND, 1-3 cr

**4103-Contrapuntal Techniques**

(A-F only; prereq Mu 2121, 2122 or instr consent)

- 61281-001 LEC, 01:00pm-01:50pm MW, H 222; Rubin, Justin Henry, 2 cr

**4105-Composition III**

(max crs 4; A-F only; prereq 3105)

- 61280-001 LEC, 12:00pm-01:40pm F, H 222; (1 hr arr); Meets with: 61278 MU 2105, 61279 MU 3105; Rubin, Justin Henry, 2 cr

**4300-Senior Recital**

(max crs 2; A-F only)

- 63508-001 LEC; Barnard, William Michael, 1 cr
- 63509-002 LEC; Bombardier, Bradley Andrew, 1 cr
- 63510-003 LEC; Campbell, Jefferson T, 1 cr
- 63511-004 LEC; Chernyshev, Alexander, 1 cr
- 63512-005 LEC; Eaton, Daniel W, 1 cr
- 63513-006 LEC; Frane, Ryan J, 1 cr
- 63514-007 LEC; Husby, Betsy Margare, 1 cr
- 63515-008 LEC; Inselman, Rachel Laura, 1 cr
- 63516-009 LEC; Jonker, Jacob Peter, 1 cr
- 63517-010 LEC; Koshinski, Eugene J, 1 cr
- 63518-011 LEC; MOKOLE, Elias, 1 cr
- 63519-012 LEC; Perrault, Rudy, 1 cr
- 63520-013 LEC; Pfothenhauer, Thomas R, 1 cr
- 63521-014 LEC; Pospisil, James A, 1 cr
- 63522-015 LEC; Rubin, Justin Henry, 1 cr
- 63523-016 LEC; Booker, Adam, 1 cr
- 63524-017 LEC; Pierce, Alice O., 1 cr
- 63840-018 LEC; Recital to be arranged with applied instructor; Schoen, Theodore A, 1 cr
- 64254-019 LEC; Scott, Lorie E, 1 cr
- 64255-020 LEC; Thielen-Gaffey, Tina, 1 cr
- 64256-021 LEC; Van Brunt, Laurie, 1 cr
- 64257-022 LEC; , 1 cr
- 64258-023 LEC; Whitlock, Mark Eugene, 1 cr
- 64259-024 LEC; Wold, Stanley R, 1 cr

**4311-Voice-Major**

(max crs 12; 6 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)

- 61291-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Inselman, Rachel Laura; Wold, Stanley R; Kulas, Kate F; MOKOLE, Elias; Thielen-Gaffey, Tina, 2 cr
- 61582-002 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1 hour arranged lesson); Inselman, Rachel Laura; MOKOLE, Elias; Thielen-Gaffey, Tina; Wold, Stanley R, 3 cr

**4312-Voice- Non Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-Music major or music major secondary instrument)

- 61292-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Inselman, Rachel Laura; Kulas, Kate F; Wold, Stanley R; Thielen-Gaffey, Tina; Klinkenborg, Meghan Larsen; McConico, Marcus A; Hoffman, Dan; Graupmann, Jennifer Lee; MOKOLE, Elias, 1 cr

**4321-Piano-Major**

(max crs 12; 6 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)

- 61295-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Rubin, Justin Henry; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 2 cr
- 61583-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Rubin, Justin Henry; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 3 cr

**4322-Piano-Non Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)

- 61293-001 STU; (student must arrange 1/2 hr weekly lesson

in 231 Humanities); Rubin, Justin Henry; Chernyshev, Alexander; Booker, Sally Joan; Holstrom, Jacqueline Wambach; Bloedel, Constance Kathleen; Lipke-Perry, Tracy Donna, 1 cr

**4325-Jazz Piano-Major**

(max crs 12; 6 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)

- 61312-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Frane, Ryan J, 2 cr
- 63823-002 STU, 01:00pm-01:50pm Th, . TBA; Frane, Ryan J, 3 cr

**4331-Organ-Major**

(max crs 12; 6 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)

- 61315-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Rubin, Justin Henry, 2 cr
- 61584-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Rubin, Justin Henry, 3 cr

**4332-Organ-Non Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)

- 61317-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Rubin, Justin Henry, 1 cr

**4350-Violin - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major second instrument)

- 63789-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Liu, Te-Chiang; Perrault, Rudy, 1 cr

**4351-Violin - Major**

(max crs 12; 6 repeats allowed; A-F; prereq Music major, performance majors register for 3 cr; all others register for 2 cr.; MU 300)

- 61319-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Perrault, Rudy, 2 cr
- 61585-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Perrault, Rudy, 3 cr

**4352-Viola - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)

- 61321-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Liu, Te-Chiang; Perrault, Rudy, 1 cr

**4353-Viola - Major**

(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance majors register for 3 cr all others register for 2 cr)

- 63800-001 STU; (1 hr arranged lesson); Perrault, Rudy, 2 cr
- 63801-002 STU; (1 hr arranged lesson); Perrault, Rudy, 3 cr

**4354-Cello - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)

- 63790-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Husby, Betsy Margare, 1 cr

**4355-Cello - Major**

(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance majors register for 3 cr all others register for 2 cr)

- 63802-001 STU; (1 hr arranged lesson); Husby, Betsy Margare, 2 cr
- 63803-002 STU; (1 hr arranged lesson); Husby, Betsy Margare, 3 cr

**4356-Harp - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)

- 63791-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Lemire, Janell Marie, 1 cr

**4357-Harp - Major**

(max crs 12; 6 repeats allowed; prereq Music major, performance majors register for 3 cr; all others register for 2 cr., MU 300)

- 61323-001 STU; (1 hr arranged lesson); Lemire, Janell Marie, 2 cr
- 61586-002 STU; (1 hr arranged lesson); Lemire, Janell Marie, 3 cr

**4358-Bass - Non-major**

(max crs 12; 12 repeats allowed; prereq Non-music major or music major secondary instrument)

- 61325-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Booker, Adam, 1 cr

**4359-Bass - Major**

(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance majors register for 3 cr all others register for 2 cr)

- 63804-001 STU; (1 hr arranged lesson); Booker, Adam, 2 cr
- 63805-002 STU; (1 hr arranged lesson); Booker, Adam, 3 cr

**4360-Clarinet - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)

- 63792-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Schoen, Theodore A, 1 cr

**4361-Clarinet - Major**

(max crs 12; 6 repeats allowed; A-F; prereq Music major, performance majors register for 3 cr; all others register for 2 cr., MU 300)

- 61327-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Schoen, Theodore A, 2 cr
- 61587-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Schoen, Theodore A, 3 cr

**4362-Saxophone - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)

- 61329-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Schoen, Theodore A; Bombardier, Bradley Andrew, 1 cr

**4363-Saxophone - Major**

(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance majors register for 3 cr all others register for 2 cr)

- 63806-001 STU; (1 hr arranged lesson); Bombardier, Bradley Andrew; Schoen, Theodore A, 2 cr
- 63807-002 STU; (1 hr arranged lesson); Bombardier, Bradley Andrew; Schoen, Theodore A, 3 cr

**4364-Flute - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major second instrument)

- 63793-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Gudmundson, Paula Marie, 1 cr

**4365-Flute - Major**

(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance majors register for 3 cr all others register for 2 cr)

- 63808-001 STU; (1 hr arranged lesson); Gudmundson, Paula Marie, 2 cr
- 63809-002 STU; (1 hr arranged lesson); Gudmundson, Paula Marie, 3 cr

**4366-Oboe - Non-major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)

- 63794-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Van Brunt, Laurie, 1 cr

**4367-Oboe - Major**

(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance majors register for 3 cr all others register for 2 cr)

- 63810-001 STU; (1 hr arranged lesson); Van Brunt, Laurie, 2 cr
- 63811-002 STU; (1 hr arranged lesson); Van Brunt, Laurie, 3 cr

**4368-Bassoon - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)

- 63795-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Campbell, Jefferson T, 1 cr

**4369-Bassoon - Major**

(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance majors register for 3 cr all others register for 2 cr)

- 63812-001 STU; (1 hr arranged lesson); Campbell, Jefferson T, 2 cr
- 63813-002 STU; (1 hr arranged lesson); Campbell, Jefferson T, 3 cr

**4370-Trumpet - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq non-music major or music major secondary instrument)

- 63796-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Pfothenhauer, Thomas R, 1 cr

**4371-Trumpet - Major**

(max crs 12; 6 repeats allowed; A-F; prereq Music major, MU 300, performance majors register for 3 cr; all others register for 2 cr.)

- 61331-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Pfothenhauer, Thomas R, 2 cr
- 61588-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Pfothenhauer, Thomas R, 3 cr

**4372-Trombone - Non-Major**

(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)

- 61374-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Bromme, Derek Michael; Whitlock, Mark Eugene, 1 cr

**4373-Trombone - Major**

(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance major register for 3 cr all others register for 2 cr)

- 63814-001 STU; (1 hr arranged lesson); Whitlock, Mark Eugene, 2 cr

# University of Minnesota – Class Schedule for Duluth Campus

# Spring 2013

- 63815-002 STU; (1 hr arranged lesson); Whitlock, Mark Eugene, 3 cr
- 4374-French Horn - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq non-music major or music major secondary instrument)  
63797-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Pospisil, James A, 1 cr
- 4375-French Horn - Major**  
(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance majors register for 3 cr all others register for 2 cr)  
63816-001 STU; (1 hr arranged lesson); Pospisil, James A, 2 cr  
63817-002 STU; (1 hr arranged lesson); Pospisil, James A, 3 cr
- 4376-Tuba - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)  
63798-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Eaton, Daniel W, 1 cr
- 4377-Tuba - Major**  
(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance majors register for 3 cr all others register for 2 cr)  
63818-001 STU; (1 hr arranged lesson); Eaton, Daniel W, 2 cr  
63819-002 STU; (1 hr arranged lesson); Eaton, Daniel W, 3 cr
- 4378-Euphonium - Non-Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq non-music major or music major secondary instrument)  
63799-001 STU; (1/2 hr weekly lesson must be arranged with instructor in H 231); Eaton, Daniel W, 1 cr
- 4379-Euphonium - Major**  
(max crs 12; 6 repeats allowed; A-F only; prereq Music major, MU 300, performance majors register for 3 cr all others register for 2 cr)  
63820-001 STU; (1 hr arranged lesson); Eaton, Daniel W, 2 cr  
63821-002 STU; (1 hr arranged lesson); Eaton, Daniel W, 3 cr
- 4381-Percussion-Major**  
(max crs 12; 6 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61333-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Koshinski, Eugene J, 2 cr  
61589-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Koshinski, Eugene J, 3 cr
- 4382-Percussion-Non Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)  
61334-001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Brosious, Timothy L; Koshinski, Eugene J, 1 cr
- 4391-Classical Guitar-Major**  
(max crs 12; 6 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61340-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Jonker, Jacob Peter, 2 cr  
61590-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Jonker, Jacob Peter, 3 cr
- 4392-Classical Guitar-Non Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)  
61342-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Jonker, Jacob Peter, 1 cr
- 4395-Jazz Guitar-Major**  
(max crs 12; 6 repeats allowed; A-F; prereq Prereq-Music major, performance majors register for 3 cr; all others register for 2 cr.)  
61344-001 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Barnard, William Michael, 2 cr  
61591-002 STU, 01:00pm-01:50pm Th, . TBA; (+ 1 hour arranged lesson); Barnard, William Michael, 3 cr
- 4396-Jazz Guitar-Non Major**  
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)  
61346-001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Barnard, William Michael; O'Hara, Thomas; Cooper, James M, 1 cr
- 4501-Concert Band**  
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)  
61202-001 REH, 02:00pm-03:20pm TTh, ChPk B13; Meets with: 61190 MU 1501; Eaton, Daniel W, 1 cr
- 4502-Symphonic Wind Ensemble**  
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)  
61205-001 REH, 03:05pm-04:35pm MWF, ChPk B13; Meets with: 61191 MU 1502; Whitlock, Mark Eugene, 1 cr
- 4503-Symphony Orchestra**  
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)  
61206-001 REH, 07:00pm-09:30pm TTh, ChPk B13; Meets with: 61192 MU 1503; Perrault, Rudy, 1 cr
- 4504-Chamber Orchestra**  
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)  
61753-001 REH, 05:00pm-06:30pm MW, ChPk B13; Meets with: 61752 MU 1504; Perrault, Rudy, 1 cr
- 4505-Jazz Ensemble**  
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)  
61250-001 REH, 01:20pm-02:30pm MWF, ChPk B13; Meets with: 61239 MU 1505; Frane, Ryan J, 1 cr  
61251-002 REH, 12:15pm-01:15pm MWF, ChPk B13; Meets with: 61240 MU 1505; Pfothenhauer, Thomas R, 1 cr
- 4510-Concert Chorale**  
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)  
61252-001 REH, 04:00pm-05:30pm MW, MonH 80; Meets with: 61242 MU 1510; Thielen-Gaffey, Tina, 1 cr
- 4511-University Singers**  
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)  
61244-001 REH, 03:20pm-04:30pm MTWTh, ChPk 209; Meets with: 61243 MU 1511; Wold, Stanley R, 1 cr
- 4512-Chamber Singers**  
(max crs 6; 6 repeats allowed; A-F only; prereq Concurrent registration is required (or allowed) in 1511 or 4511; instructor determines placement)  
61253-001 REH, 02:00pm-03:15pm MW, ChPk 209; Meets with: 61245 MU 1512; Wold, Stanley R, 1 cr
- 4513-Vocal Jazz Ensemble**  
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)  
61254-001 REH, 05:00pm-06:00pm TTh, ChPk 213, 05:45pm-06:45pm W, SCC 6; (Lake Effect); Meets with: 61246 MU 1513; Thielen-Gaffey, Tina, 1 cr  
61781-002 REH, 06:00pm-07:00pm TTh, ChPk 213; (Chill Factor); Meets with: 61780 MU 1513; Thielen-Gaffey, Tina, 1 cr
- 4515-Percussion Ensemble**  
(max crs 10; 10 repeats allowed; A-F only; prereq Instructor consent; maximum of 10 credits between MU 1515 and 4515)  
68728-001 REH, 03:30pm-04:45pm TTh, ChPk B13; (Percussion Ensemble); Meets with: 68727 MU 1515; Koshinski, Eugene J, 1 cr
- 4541-Chamber Music**  
(max crs 12; 12 repeats allowed; A-F only; prereq instr consent)  
61269-002 REH, 05:00pm-05:50pm MW, WMH 206; (Combo I); Meets with: 61259 MU 1541; Frane, Ryan J, 1 cr  
61270-003 REH, 06:00pm-06:50pm TTh, WMH 206; (Combo II); Meets with: 61260 MU 1541; Booker, Adam, 1 cr  
61271-004 REH, 06:00pm-06:50pm TTh, H 171; (Combo III); Meets with: 61261 MU 1541; Koshinski, Eugene J, 1 cr  
61272-005 REH, 06:00pm-06:50pm MW, WMH 206; (Combo IV); Meets with: 61262 MU 1541; Barnard, William Michael, 1 cr  
61273-006 REH, 04:00pm-06:00pm F, MonH 80; (Pep Band); Meets with: 61263 MU 1541; Eaton, Daniel W, 1 cr  
61274-007 REH, 04:00pm-04:50pm MW, WMH 206; (Guitar Ensemble I); Meets with: 61264 MU 1541; Barnard, William Michael, 1 cr  
61275-008 REH; (1-2 hr arr time with instructor). (Strings); Meets with: 61265 MU 1541; Husby, Betsy Margare, 1 cr  
61276-009 REH, 07:00pm-07:50pm MW, WMH 206; (1-2 hr arr time with instructor in H 245) (Brass Quintet); Meets with: 61266 MU 1541; Pfothenhauer, Thomas R, 1 cr  
61277-010 REH; (1-2 hr arr time with instructor) (Woodwinds); Meets with: 61267 MU 1541; Campbell, Jefferson T; Schoen, Theodore A, 1 cr  
61592-011 REH; (1-2 hr arr time with instructor) (Piano Trio); Meets with: 61581 MU 1541; Husby, Betsy Margare; Chernyshev, Alexander, 1 cr  
61965-013 REH, 03:00pm-03:50pm MW, WMH 206; (Guitar Ensemble II); Meets with: 61964 MU 1541; Barnard, William Michael, 1 cr  
62314-014 REH; (1-2 hr arr time with instructor) (Classical Guitar Ensemble); Meets with: 62313 MU 1541; Jonker, Jacob Peter, 1 cr  
63059-015 REH; Meets with: 63060 MU 1541; Pfothenhauer, Thomas R, 1 cr  
63202-016 REH; Meets with: 63201 MU 1541; Bombardier, Bradley Andrew, 1 cr  
63526-017 REH; Meets with: 63525 MU 1541; Whitlock, Mark Eugene, 1 cr  
64598-018 REH; (Graduate Percussion Ensemble); Koshinski,
- Eugene J, 1 cr  
63930-019 REH; Meets with: 63929 MU 1541; Thielen-Gaffey, Tina, 1 cr  
64617-020 REH; (1-2 hr arr time with instructor) (Piano Ensemble); Lipke-Perry, Tracy Donna, 1 cr  
66793-021 REH; (1-2 hr arr time with instructor) (Clarinet Ensemble); Schoen, Theodore A, 1 cr  
66794-022 REH; (1-2 hr arr time with instructor) (Flute Ensemble); Gudmundson, Paula Marie, 1 cr  
68517-023 REH; (Octet); Meets with: 68516 MU 1541; Schoen, Theodore A, 1 cr
- 4601-Applied Music Teaching**  
(A-F only; prereq instr consent)  
61288-001 STU; Barnard, William Michael, 1 cr  
63841-002 STU; Bombardier, Bradley Andrew, 1 cr  
64263-003 STU; Campbell, Jefferson T, 1 cr  
64264-004 STU; Chernyshev, Alexander, 1 cr  
64265-005 STU; Eaton, Daniel W, 1 cr  
64266-006 STU; Frane, Ryan J, 1 cr  
64267-007 STU; Husby, Betsy Margare, 1 cr  
64268-008 STU; Inselman, Rachel Laura, 1 cr  
64269-009 STU; Jonker, Jacob Peter, 1 cr  
64270-010 STU; Koshinski, Eugene J, 1 cr  
64271-011 STU; MOKOLE, Elias, 1 cr  
64272-012 STU; Perrault, Rudy, 1 cr  
64273-013 STU; Pfothenhauer, Thomas R, 1 cr  
64274-014 STU; Pospisil, James A, 1 cr  
64275-015 STU; Rubin, Justin Henry, 1 cr  
64276-016 STU; Booker, Adam, 1 cr  
64277-017 STU; ., 1 cr  
64278-018 STU; Schoen, Theodore A, 1 cr  
64279-019 STU; Gudmundson, Paula Marie, 1 cr  
64280-020 STU; Thielen-Gaffey, Tina, 1 cr  
64281-021 STU; Van Brunt, Laurie, 1 cr  
64282-022 STU; ., 1 cr  
64283-023 STU; Whitlock, Mark Eugene, 1 cr  
64284-024 STU; Wold, Stanley R, 1 cr
- 4997-Internship in Music**  
(max crs 4; 4 repeats allowed; A-F only; prereq dept consent)  
61356-001 DST; Campbell, Jefferson T, 1-2 cr  
64290-002 DST; Chernyshev, Alexander, 1-2 cr  
64291-003 DST; Eaton, Daniel W, 1-2 cr  
64292-004 DST; Frane, Ryan J, 1-2 cr  
64293-005 DST; Husby, Betsy Margare, 1-2 cr  
64294-006 DST; Inselman, Rachel Laura, 1-2 cr  
64295-007 DST; Koshinski, Eugene J, 1-2 cr  
64296-008 DST; Perrault, Rudy, 1-2 cr  
64297-009 DST; Pfothenhauer, Thomas R, 1-2 cr  
64298-010 DST; Rubin, Justin Henry, 1-2 cr  
64299-011 DST; Schoen, Theodore A, 1-2 cr  
64300-012 DST; Gudmundson, Paula Marie, 1-2 cr  
64301-013 DST; Thielen-Gaffey, Tina, 1-2 cr  
64302-014 DST; Van Brunt, Laurie, 1-2 cr  
64303-015 DST; ., 1-2 cr  
64304-016 DST; Whitlock, Mark Eugene, 1-2 cr  
64305-017 DST; Wold, Stanley R, 1-2 cr
- 5201-Advanced Music History**  
(A-F only; prereq 3201, 3202 or instr consent)  
63372-001 LEC, 11:00am-11:50am MW, H 150; Muehlenbeck Ph.D, Bettina S., 2 cr
- 5204-Instrumental Ensemble Literature**  
(A-F only; prereq Grad Student or instr consent)  
61855-001 LEC; Whitlock, Mark Eugene, 2 cr
- 5205-Instrumental Solo Literature**  
(max crs 3; 3 repeats allowed; A-F only; prereq Grad student or instr consent.)  
61967-001 LEC; Chernyshev, Alexander, 1 cr
- 5207-Instrumental Chamber Music Literature**  
(A-F only; prereq Grad student or instr consent)  
61771-001 LEC; (1 hr arr); Whitlock, Mark Eugene, 1 cr
- 5510-Opera Studio**  
(max crs 6; 6 repeats allowed; A-F only; prereq 3510 or equivalent, Grad student or instr consent.)  
61772-001 LAB, 12:45pm-01:50pm MWF, WMH 206; Meets with: 61249 MU 3510; Pierce, Alice O., 1 cr
- 5628-Art of Accompanying: Instrumental Music**  
(A-F only; prereq Graduate enrollment; credit will not be given if already received for MU 3628)  
64546-001 LEC, 02:00pm-02:50pm MW, WMH 206; Meets with: 63701 MU 3628; Lipke-Perry, Tracy Donna, 2 cr
- 5991-Independent Study**  
(max crs 9; 9 repeats allowed; A-F only; prereq Min 60 cr or Grad Student or instr consent ; can apply max 6 cr to a Grad School program)  
61355-001 IND; Campbell, Jefferson T, 1-3 cr  
64312-002 IND; Chernyshev, Alexander, 1-3 cr  
64313-003 IND; Eaton, Daniel W, 1-3 cr  
64314-004 IND; Frane, Ryan J, 1-3 cr  
64315-005 IND; Husby, Betsy Margare, 1-3 cr

This information is accurate as of: 11/02/2012

64316-006 IND; Inselman, Rachel Laura, 1-3 cr  
 64317-007 IND; Koshinski, Eugene J, 1-3 cr  
 64318-008 IND; Perrault, Rudy, 1-3 cr  
 64319-009 IND; Pfothenhauer, Thomas R, 1-3 cr  
 64320-010 IND; Rubin, Justin Henry, 1-3 cr  
 64321-011 IND; Thielen-Gaffey, Tina, 1-3 cr  
 64322-012 IND; Schoen, Theodore A, 1-3 cr  
 64323-013 IND; Gudmundson, Paula Marie, 1-3 cr  
 64324-014 IND; Thielen-Gaffey, Tina, 1-3 cr  
 64325-015 IND; Van Brunt, Laurie, 1-3 cr  
 64326-016 IND; , 1-3 cr  
 64327-017 IND; Whitlock, Mark Eugene, 1-3 cr  
 64328-018 IND; Wold, Stanley R, 1-3 cr

**8300-Graduate Recital**

(max crs 2; A-F only; prereq Grad student, instructor consent)

61421-001 PRC; Campbell, Jefferson T, 1 cr  
 64330-002 PRC; Chernyshev, Alexander, 1 cr  
 64331-003 PRC; Eaton, Daniel W, 1 cr  
 64332-004 PRC; Frane, Ryan J, 1 cr  
 64333-005 PRC; Husby, Betsy Margare, 1 cr  
 64334-006 PRC; Inselman, Rachel Laura, 1 cr  
 64335-007 PRC; Kritzmire, Judith A, 1 cr  
 64336-008 PRC; Koshinski, Eugene J, 1 cr  
 64337-009 PRC; Perrault, Rudy, 1 cr  
 64338-010 PRC; Pfothenhauer, Thomas R, 1 cr  
 64339-011 PRC; Rubin, Justin Henry, 1 cr  
 64340-012 PRC; Schoen, Theodore A, 1 cr  
 64341-013 PRC; , 1 cr  
 64342-014 PRC; Thielen-Gaffey, Tina, 1 cr  
 64343-015 PRC; , 1 cr  
 64344-016 PRC; Whitlock, Mark Eugene, 1 cr  
 64345-017 PRC; Wold, Stanley R, 1 cr

**8301-Graduate Applied Music: Major Instrument**

(max crs 10; 5 repeats allowed; A-F only; prereq Advanced proficiency, grad student, instr consent)

62287-001 STU; (Lesson must be arranged with instructor the first week of classes); Campbell, Jefferson T, 2 cr  
 64347-002 STU; Chernyshev, Alexander, 2 cr  
 64348-003 STU; Eaton, Daniel W, 2 cr  
 64349-004 STU; Frane, Ryan J, 2 cr  
 64350-005 STU; Husby, Betsy Margare, 2 cr  
 64351-006 STU; Inselman, Rachel Laura, 2 cr  
 64352-007 STU; Koshinski, Eugene J, 2 cr  
 64353-008 STU; Perrault, Rudy, 2 cr  
 64354-009 STU; Pfothenhauer, Thomas R, 2 cr  
 64355-010 STU; Rubin, Justin Henry, 2 cr  
 64356-011 STU; Schoen, Theodore A, 2 cr  
 64357-012 STU; , 2 cr  
 64358-013 STU; Thielen-Gaffey, Tina, 2 cr  
 64359-014 STU; , 2 cr  
 64360-015 STU; Whitlock, Mark Eugene, 2 cr  
 64361-016 STU; Wold, Stanley R, 2 cr

**8302-Graduate Applied Music: Secondary Instrument**

(A-F only; prereq Intermediate proficiency, grad student, instructor consent; may be repeated)

62288-001 STU; (Lessons must be arranged with instructor the first week of classes); Campbell, Jefferson T, 1 cr  
 64363-002 STU; Chernyshev, Alexander, 1 cr  
 64364-003 STU; Eaton, Daniel W, 1 cr  
 64365-004 STU; Frane, Ryan J, 1 cr  
 64366-005 STU; Husby, Betsy Margare, 1 cr  
 64367-006 STU; Inselman, Rachel Laura, 1 cr  
 64368-007 STU; Koshinski, Eugene J, 1 cr  
 64369-008 STU; Perrault, Rudy, 1 cr  
 64370-009 STU; Pfothenhauer, Thomas R, 1 cr  
 64371-010 STU; Rubin, Justin Henry, 1 cr  
 64372-011 STU; Schoen, Theodore A, 1 cr  
 64373-012 STU; , 1 cr  
 64374-013 STU; Thielen-Gaffey, Tina, 1 cr  
 64375-014 STU; Lipke-Perry, Tracy Donna, 1 cr  
 64376-015 STU; Whitlock, Mark Eugene, 1 cr  
 64377-016 STU; Wold, Stanley R, 1 cr

**8401-Graduate Music Pedagogy**

(A-F only; prereq Graduate Student or instr consent)

61773-001 LEC, 12:00pm-12:50pm Th, WMH 206; (1 hr arr); Pierce, Alice O., 1 cr

**8601-Foundations of Music Learning**

(A-F only; prereq Grad student or instr consent)

63528-001 LEC, 06:00pm-08:30pm M, H 222; Edmund, David Charles, 3 cr

**8701-Graduate Applied Conducting**

(max crs 12; 12 repeats allowed; A-F only; prereq 3702, 3706 or equivalent; Graduate Student or instr consent)

61774-001 STU; (1-2 hrs arr); Whitlock, Mark Eugene, 1-2 cr

**8899-Directed Project in Music Education**

(max crs 12; A-F only; prereq Grad, instr consent)

61736-001 DRS; , 1-12 cr

**8991-Independent Study**

(max crs 6; 6 repeats allowed; A-F only; prereq Grad

student, instr consent)

61349-001 IND; Campbell, Jefferson T, 1-2 cr  
 64379-002 IND; Chernyshev, Alexander, 1-2 cr  
 64380-003 IND; Eaton, Daniel W, 1-2 cr  
 64381-004 IND; Frane, Ryan J, 1-2 cr  
 64382-005 IND; Husby, Betsy Margare, 1-2 cr  
 64383-006 IND; Inselman, Rachel Laura, 1-2 cr  
 64384-007 IND; Kritzmire, Judith A, 1-2 cr  
 64385-008 IND; Koshinski, Eugene J, 1-2 cr  
 64386-009 IND; Perrault, Rudy, 1-2 cr  
 64387-010 IND; Pfothenhauer, Thomas R, 1-2 cr  
 64388-011 IND; Rubin, Justin Henry, 1-2 cr  
 64389-012 IND; Schoen, Theodore A, 1-2 cr  
 64390-013 IND; Thielen-Gaffey, Tina, 1-2 cr  
 64391-014 IND; , 1-2 cr  
 64392-015 IND; Whitlock, Mark Eugene, 1-2 cr  
 64393-016 IND; Wold, Stanley R, 1-2 cr

**OJIBWE EDUCATION (OjEd)**

150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN, 55812-3029  
 218/726-7233, <http://www.d.umn.edu/educ/>

**College of Education & Human Service Professions**

**4100-Conversational Ojibwe for the Classroom and Community**

(A-F; prereq 3200, [Concurrent registration is required (or allowed) in 4101, 4102, 4103, 4104], admission to Ojibwe elem/middle school program or instr consent, no Grad School cr)

67522-001 LEC, 02:00pm-03:50pm TTh, Chem 153; McInnes, Brian D, 4 cr

**5320-Assessment of American Indian Learners**

(Credit will not be granted if credit has been received for: OJED 4320; A-F only; prereq Naadamaadiwin Tribal Special Education cohort, 4310)

65479-421 LEC; Registration for Naadamaadiwin Cohort 2 only. Course will meet twice during the semester, with the remaining course hours required in an online learning environment.; , 4 cr

**5350-Indigenous Learners and Disabilities**

(Credit will not be granted if credit has been received for: OJED 4350; A-F only; prereq Naadamaadiwin Tribal Special Education cohort (special education licensure), 4310 or 5310)

65480-421 LEC; Registration for Naadamaadiwin Cohort 2 only. Course will meet twice during the semester, with the remaining course hours required in an online learning environment.; Hughes, Trudie Ann, 4 cr

**PHARMACOLOGY (Phc)**

308 & 345 SMed, 135 University Drive, University of Minnesota School of Medicine Duluth, Duluth, MN, 55812-3011  
 218/726-8512, <http://www.med.umn.edu/duluth/about/home.html>

**Medical School - Duluth Campus**

**4094-Directed Research in Pharmacology I**

(max crs 10; A-F only; prereq Upper div sci major, instr consent)

61397-001 DRS; Trachte, George J, 1-10 cr

**5001-Introduction to Pharmacology**

(A-F; prereq 5601 or 3011 or equivalent)

63145-001 LEC; Trachte, George J, 2 cr

**5204-Pharmacology Seminar**

(max crs 4; 4 repeats allowed; A-F only; prereq Grad student, instr consent)

61398-001 SEM; Trachte, George J, 1 cr

**8333-FTE: Master's**

(NGA; prereq Master's student, adviser and DGS consent)

60848-001 DRS; Trachte, George J, 1 cr

**8444-FTE: Doctoral**

(NGA; prereq Doctoral student, adviser and DGS consent)

61672-001 DRS; Trachte, George J, 1 cr

**8666-Doctoral Pre-Thesis Credits**

(max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))

61680-001 THE; Trachte, George J, 1-6 cr

**8777-Thesis Credits: Master's**

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))

61698-001 THE; Trachte, George J, 1-18 cr

**8888-Thesis Credits: Doctoral**

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

61708-001 THE; Trachte, George J, 1-24 cr

**PHARMACY (Phar)**

232 LSci, 1110 Kirby Drive, University of Minnesota College of Pharmacy, Duluth, Duluth, MN, 55812-3011  
 218/726-6000, <http://www.pharmacy.umn.edu/duluth/>

**College of Pharmacy, Duluth**

**1001-Orientation to Pharmacy**

63864-001 INI; Lounsbury, Jody Leigh, 2 cr

**1002-Health Sciences Terminology**

64494-001 INI; Taylor, Charles T, 2 cr

**1003-Non-Prescription Medications and Self-Care: Treating Minor Conditions**

63865-001 INI; Milone PharmD, Anna S, 2 cr

**1004-Common Prescription Drugs and Diseases**

63866-001 INI; Milone PharmD, Anna S, 2 cr; A-F only

**1005-Introduction to Drug Therapies of Addiction: Medicine or Menace?**

(prereq Medical terminology recommended)

64514-001 IND; Lichtblau PhD, Leonard, 2 cr

**1006-Orientation to Health Literacy and Communication**

(A-F; prereq Knowledge of medical terminology recommended.)

64526-001 IND; Lowry, Ann E.; Taylor, Charles T, 2 cr

**3206-Issues in Health Literacy and Communication**

(Credit will not be granted if credit has been received for: PHAR 5206, PHAR 3206; A-F; prereq Knowledge of medical terminology recommended.)

68765-001 INI; Lowry, Ann E., 3 cr

**3601-Basic Human Physiology for the Health Professions**

(max crs 6; A-F; prereq Medical terminology and anatomy)

64515-001 IND; Lichtblau PhD, Leonard, 3 cr

**3700-Fundamentals of Pharmacotherapy**

(Credit will not be granted if credit has been received for: PHAR 5700; A-F; prereq Medical terminology)

63924-001 INI; Milone PharmD, Anna S, 3 cr

**4200-Drugs and the U.S. Health Care System**

(Credit will not be granted if credit has been received for: PHAR 3200, PHAR 5200; A-F)

63925-001 INI; Pittenger, Amy Louise, 3 cr

**4293-Directed Research I Undergraduate**

(max crs 5; A-F; prereq undergrad, instr consent)

63860-001 DRS, 1-5 cr

**4294-Directed Study I for Undergraduates**

(max crs 6; A-F; prereq instr consent)

63861-001 DST, 1-6 cr

**5102-Pharmacology for Pharmacy Students**

(A-F; prereq 5101 or instr consent, credit will not be granted if already received for PhcI 5102)

62265-001 LEC, 09:05am-09:55am TTh, . TBA; Hartz, Anika MS; Dunham, Earl W., 2 cr

**5200-Drugs and the United States Health Care System**

(Credit will not be granted if credit has been received for: PHAR 3200, PHAR 4200; A-F; prereq instr consent)

63907-001 INI; Pittenger, Amy Louise, 3 cr

**5201-Applied Health Science Terminology**

(prereq Basic knowledge of human anatomy/physiology.)

62127-001 IND; Lichtblau PhD, Leonard, 2 cr

**5205-Obesity: More Than Just a Prescription**

(A-F)

64527-001 IND; Boosalis, Maria G, 2 cr

**5206-Applied Health Literacy and Communication**

(Credit will not be granted if credit has been received for: PHAR 3206, PHAR 3206; A-F)

64528-001 IND; Lowry, Ann E., 2 cr

**5220-Regulatory Issues in Drug Research**

(max crs 2; prereq Pharm D, professional student and instr consent)

66260-001 LEC, 09:00am-11:00am M, . TBA; Birnbaum PhD, Angela K, 1-2 cr

**5700-Applied Fundamentals of Pharmacotherapy**

(Credit will not be granted if credit has been received for: PHAR 3700; A-F; prereq Medical Terminology and admission to a graduate program or instr consent)

62694-001 INI; Milone PharmD, Anna S, 3 cr

**6112-The Practice of Pharmaceutical Care II**

(A-F; prereq First yr pharmacy student, 6111, Concurrent registration is required (or allowed) in 6172)

62086-001 DIS, 01:25pm-03:20pm TTh, . TBA; Uden, Donald Lawrence; Hager, Keri Daun, 3 cr

**6122-Pharmacotherapy II: Patient-Centered Pathophysiologic Approach**

(A-F; prereq 5101, 6121, 6131, 6163. Concurrent registration is required (or allowed) in 5102, 6154 and 6173)  
62267-001 LEC, 10:10am-12:05pm MW, . TBA, 10:10am-11:00am F, . TBA; Westberg, Sarah M.; Udeberg PharmD, Megan R, 5 cr

**6124-Pharmacotherapy IV: Patient-Centered Pathophysiologic Approach**

(A-F; prereq 6121, 6122, 6123, 6155, 6163. Concurrent registration is required (or allowed) in 5102)  
62316-001 LEC, 10:10am-12:05pm TTh, . TBA, 10:10am-11:00am F, . TBA; Kirstein, Mark Noel, 5 cr

**6131-Pharmacy and Health Care System**

(A-F; prereq Second year pharmacy student)  
62486-001 LEC, 10:10am-12:05pm TTh, . TBA; Schondelmeyer, Stephen W; Tomaszewski, Daniel Mark, 3 cr

**6133-Pharmacy Practice Management**

(A-F; prereq Third year pharmacy student)  
62487-001 LEC, 08:00am-08:50am MWF, . TBA; Ranelli PhD, Paul L; Hadsall, Ronald S, 3 cr

**6135-Pharmacy Outcomes**

(A-F; prereq 6123, 6175)  
62389-001 LEC, 01:25pm-03:20pm W, . TBA; Schneiderhan PharmD, Mark E, 2 cr

**6136-Pharmacy Law**

(A-F; prereq Pharmacy student 3rd year)  
63532-001 LEC, 01:25pm-03:20pm Th, . TBA; Bilek, Jennell Christine; Stratton, Tim, 1 cr

**6137-Ethics in Pharmacy Practice**

(A-F; prereq Pharmacy student 3rd yr)  
63533-001 LEC, 01:25pm-03:20pm Th, . TBA; DeBruin PhD, Debra Ann; Stratton, Tim, 1 cr

**6150-Honors: Medicinal Chemistry Seminar**

(max crs 2; S-N; prereq 6150; meets HON req of Honors)  
63020-001 SEM, 03:30pm-05:00pm T, . TBA; Abul-Hajji, Yusuf J, 1 cr

**6152-Biochemistry of Medicinals II**

(A-F; prereq 6151. Concurrent registration is required (or allowed) in 6172)  
62087-001 LEC, 01:25pm-02:15pm MWF, . TBA; Johnson, Rodney L.; Rumbley, Jon N, 3 cr

**6155-Medicinal Agents II**

(A-F; prereq 6154. Concurrent registration is required (or allowed) in 5102 and 6174)  
62266-001 LEC, 08:00am-08:50am TTh, . TBA; Anderson, Grant Wesley; Abul-Hajji, Yusuf J, 2 cr

**6157-Human Nutrition and Drug Therapy**

(A-F; prereq 6152)  
62317-001 LEC, 09:05am-09:55am MWF, . TBA; Jennings, Derek R; Barber, Jacqueline Renee, 3 cr

**6158-Recombinant DNA-Derived Drugs**

(A-F; prereq 6151)  
62160-001 LEC, 03:35pm-04:25pm MWF, . TBA; Meets with: 62088 PHAR 6159; Anderson, Grant Wesley; Sisson, Debbie; Wagner, Carston R, 1 cr

**6159-Pharmaceutical Immunology and Biotechnology**

(A-F; prereq 6151)  
62088-001 LEC, 03:35pm-04:25pm MWF, . TBA; Meets with: 62160 PHAR 6158; Anderson, Grant Wesley; Sisson, Debbie; Wagner, Carston R, 3 cr

**6160-Honors: Experimental and Clinical Pharmacology Seminar**

(A-F; prereq instr consent; meets HON req of Honors)  
63021-001 SEM, 12:15pm-01:05pm W, . TBA; Johnson PhD, L'Aurelle Anna Lee, 1 cr

**6162-Drug Delivery II**

(A-F; prereq 6161. Concurrent registration is required (or allowed) in 6172)  
62089-001 LEC, 02:30pm-03:20pm MWF, . TBA; Sun, Calvin, 3 cr

**6165-Pharmaceutical Calculations**

(A-F; prereq First yr pharmacy student)  
62095-001 LEC, 04:40pm-05:30pm Th, . TBA; George, Angela, 1 cr

**6172-Pharmaceutical Care Skills**

(A-F; prereq 6112, 6152, 6162)  
-001 LEC, 11:15am-12:05pm W, . TBA; Bastianelli, Karen Marie  
62093-002 LAB, 08:00am-09:55am M, LSci 216; Bastianelli, Karen Marie, 2 cr  
62094-003 LAB, 08:00am-09:55am W, LSci 216; Bastianelli, Karen Marie, 2 cr

**6174-Pharmaceutical Care Skills**

(A-F; prereq 6122)

-001 LEC, 09:05am-09:55am F, . TBA; George, Angela  
62260-002 LAB, 01:25pm-03:20pm T, LSci 216; George, Angela, 2 cr  
62261-003 LAB, 03:35pm-05:30pm T, LSci 216; George, Angela, 2 cr

**6177-Patient Assessment**

(A-F; prereq first yr pharmacy student)  
62090-001 LEC, 10:10am-12:05pm T, . TBA; Little, Meg, 1 cr

**6182-Pharm.D. IV Seminar**

(S-N; prereq 4th yr pharmacy student, 6181)  
62488-001 LEC; Abul-Hajji, Yusuf J, 1 cr

**6200-Drugs and the United States Health Care System**

(A-F; prereq Pharmacy student)  
62698-001 INI; Pittenger, Amy Louise, 2 cr

**6204-College of Pharmacy Community Outreach**

(max crs 3; A-F; prereq Current student pharmacist in College of Pharmacy.)  
63928-001 IND; Larson, Tom Alan, 1-3 cr

**6208-Community-based Immunization Delivery**

(S-N)  
68229-001 LEC, 01:25pm-02:15pm M, Room TBA, DULUTH; Little, Meg; Hager, Keri Daun, 1 cr

**6211-Non-Prescription Drug Therapy: Focus on Patient Self-Care**

(A-F only; prereq 6112)  
62262-001 LEC, 03:35pm-05:30pm WS, Room TBA, DULUTH, instruction mode: Distance Education and On-Site; Maderich, Amanda L; Larson, Tom Alan, 2 cr

**6215-Applied Pharmacokinetics**

(A-F; prereq 6163)  
62263-001 LEC, 03:35pm-05:30pm Th, . TBA, instruction mode: Distance Education and On-Site; Seifert, Randall Donald; Brundage, Richard, 2 cr

**6217-Advanced Pharmaceutical Care Clinic**

(max crs 2; prereq 2nd or 3rd yr pharmacy student)  
63058-001 LEC, 03:35pm-05:30pm T, . TBA; Class meets with Phar 6230 in LSci 163.; Meets with: 62446 PHAR 6230; Bastianelli, Karen Marie, 1-2 cr

**6220-Pediatric Drug Therapy**

(A-F only; prereq 3rd or 4th yr pharmacy student)  
62443-001 LEC, 10:10am-12:05pm M, . TBA; Jensen PharmD, Paul Duane, 2 cr; A-F

**6221-Geriatric Pharmacotherapy**

(A-F; prereq 3rd or 4th yr pharmacy student)  
62444-001 LEC, 08:00am-09:55am Th, . TBA; Scheiner PharmD, Shellina R; Swanoski PharmD, Michael T, 2 cr

**6222-Advanced Pharmaceutical Compounding**

(A-F; prereq 2nd or 3rd yr pharmacy student)  
62467-001 LEC, 2 cr

**6224-Pharmacogenomics: Genetic Basis for Variability in Drug Response**

(A-F; prereq 2nd or later healthcare or related education program or equivalent experience, or instructor consent.)  
62445-001 LEC, 03:35pm-05:30pm Th, . TBA; Oetting, William Starr; Lamba, Jatinder K, 2 cr  
64597-002 LEC; Oetting, William Starr; Lamba, Jatinder K, 2 cr

**6225-Diabetes Experience**

(A-F; prereq 2nd or 3rd yr Pharm student)  
63047-001 DIS, 02:30pm-04:25pm M, . TBA; Schweiss, Sarah Kathryn, 1 cr

**6227-Leading Change Project**

(S-N; prereq 6237 or 6238)  
63051-001 IND; Sorensen, Todd D., 2 cr

**6228-Leading Change Portfolio**

(S-N; prereq 6237 or 6238)  
63052-001 IND; Fierke, Kerry K, 2 cr

**6230-Ambulatory PC Clinic**

(prereq Enrolled pharmacy student)  
62446-001 LEC, 03:35pm-05:30pm T, . TBA; Meets with: 63058 PHAR 6217; Bastianelli, Karen Marie, 2 cr

**6231-Community Pharmacy Management**

(A-F; prereq 6133)  
62447-001 LEC, 10:10am-12:05pm W, . TBA; Hadsall, Ronald S; Schommer, Jon C, 2 cr

**6232-Institutional Pharmacy Management**

(A-F; prereq 2nd or 3rd year pharmacy student)  
62284-001 LEC, 01:25pm-03:20pm F, . TBA; Pastor III, John D; Jolowsky, Christene M, 2 cr

**6238-Leading Change in Pharm II**

(S-N)  
63040-001 LEC, 03:35pm-05:30pm T, . TBA; Fierke, Kerry K, 2 cr

**6248-Drugs of Abuse**

(A-F; prereq Organic chemistry I/II or [organic chemistry I,

biochemistry])  
68325-001 LEC, 01:25pm-03:20pm T, Room TBA, DULUTH; Ferguson, David M, 2 cr

**6250-Honors: Social and Administrative Pharmacy Seminar**

(max crs 2; A-F; prereq instr consent; meets HON req of Honors)  
62295-001 SEM, 03:30pm-05:00pm Th, . TBA; Schommer, Jon C, 1 cr

**6257-Leadership Best Sellers for Pharmacists**

(A-F)  
63908-001 DST; Janke PhD, Kristin Kari, 2 cr

**6260-Honors: Pharmaceuticals Seminar**

(A-F only; prereq instr consent; meets HON req of Honors)  
63022-001 SEM, 04:00pm-05:15pm Th, . TBA; Wiedmann, Timothy Scott, 1 cr

**6270-Honors: Critical Care Seminar**

(A-F; prereq instr consent; meets HON req of Honors)  
68223-001 SEM, 01:25pm-03:20pm T, Room TBA, DULUTH; Skaar, Debra Jane; Sisson, Debbie, 2 cr

**6293-Directed Research I**

(max crs 5; prereq instr consent)  
62315-001 DRS, 1-5 cr  
68383-002 DRS; Rumbley, Jon N, 1 cr

**6294-Directed Study I**

(max crs 5; 5 repeats allowed; prereq instr consent)  
62318-001 DST, 01:25pm-03:20pm M, Room TBA, DULUTH, 01/22/13-03/11/13; Anderson, Lowell J; Fierke, Kerry K, 1-5 cr

**6301-Interprofessional Veterinary Pharmacotherapy**

(A-F; prereq Completed first two years of pharmacy or veterinary curriculum or written letter to course director stating how course would fit into curriculum plan.)  
67820-001 LEC; This course meets with Twin Cities Vet Med students.; Philbrick, Ann, 3 cr

**6393-Directed Research II**

(max crs 5; prereq instr consent)  
62319-001 DRS, 1-5 cr

**6394-Directed Study II**

(max crs 5; 5 repeats allowed; A-F; prereq instructor consent)  
62320-001 DST, 1-5 cr

**6493-Directed Research III**

(max crs 5; 5 repeats allowed; prereq instr consent)  
62390-001 DRS; Rumbley, Jon N, 1-5 cr

**6494-Directed Study III**

(max crs 5; prereq instr consent)  
62299-001 DST, 1-5 cr

**6610-Spiders, Scorpions, and Snakes Clinical Toxicology**

(A-F; prereq At least 2nd year health care or related education program or equivalent experience or instructor consent.)  
64535-001 LEC; Keyler, Daniel E, 2 cr

**7002-Early Pharmacy Practice Experience II**

(A-F; prereq 7001 or instr consent , criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test or explanation of positive test, proof of chicken pox immunity)  
62268-001 PRC, 11:15am-12:05pm F, . TBA; Meets with: 62264 PHAR 7004; Gaither, Caroline A; Little, Meg, 1 cr

**7004-Early Pharmacy Practice Experience IV**

(A-F; prereq 7003 or instr consent , criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test or explanation of positive test, proof of chicken pox immunity)  
62264-001 PRC, 11:15am-12:05pm F, . TBA; Meets with: 62268 PHAR 7002; Gaither, Caroline A; Little, Meg, 0.50 cr

**7005-Introductory Community-Practice Pharmacy Experience**

(S-N; prereq 6111, 6171, 7001, 1st-yr pharm student)  
63220-001 ROT, 12/21/12-06/07/13; Carlson PharmD, Dawn L; Jolowsky, Christene M, 2.50 cr

**7006-Introductory Institutional-Pharmacy Practice Experience**

(S-N; prereq College of Pharmacy student completed PHAR 6121, 6122, 6131, 6132, 6173, 6174, 7003 and 7004 with a passing grade and is registered with the Minnesota Board of Pharmacy as an intern.)  
63221-001 ROT, 12/21/12-06/07/13; Jolowsky, Christene M; Carlson PharmD, Dawn L, 2.50 cr

**7010-APPE Continuing Professional Development Portfolio**

(max crs 4.50; 3 repeats allowed; S-N; prereq 3rd year Pharmacy student)  
63829-001 IND, 11:15am-12:05pm F, Room TBA, DULUTH; Janke PhD, Kristin Kari, 1.50 cr

**7120-Community Practice Experience**

(A-F; prereq Pharm. D. IV, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)  
62489-001 IEX, 4 cr

**7122-Acute Patient Care Practice Experience I**

(A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)  
62490-001 IEX, 4 cr

**7123-Ambulatory Patient Care Practice Experience**

(A-F; prereq Pharm. D. IV, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)  
62491-001 IEX, 4 cr

**7126-Patient Care Practice Experience**

(A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)  
62492-001 IEX, 4 cr

**7128-Acute Patient Care Practice Experience II**

(A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)  
62493-001 IEX, 4 cr

**7211-Selective Practice Experience I**

(A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)  
62494-001 IEX, 4 cr

**7212-Selective Practice Experience II**

(A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)  
62495-001 IEX, 4 cr

**7213-Selective Practice Experience III**

(A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)  
62496-001 IEX, 4 cr

**7214-Selective Practice Experience IV**

(A-F; prereq Pharm D. IV, MN Board of Pharm Intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive rest and proof of chicken pox immunity.)  
64437-001 IND, 4 cr

**7217-Selective Practice Experience V**

(A-F only; prereq Pharm.D. I-III, Minn Board of Pharm Intern, criminal bkgd chk, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)  
62995-001 IEX, 4 cr

**PHILOSOPHY (Phil)**

369 ABAH, 1121 University Driv e, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-8548, <http://www.d.umn.edu/phil/>

**College of Liberal Arts**

**1001-Introduction to Philosophy**

(Credit will not be granted if credit has been received for: PHIL 1101; A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)

60852-001 LEC, 09:00am-09:50am MWF, MonH 203; 1 seat reserved for Continuing Education; Schroer, Robert Ward, 3 cr

63405-002 LEC, 11:00am-11:50am MWF, ABAH 235; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Schroer, Robert Ward, 3 cr

64288-003 LEC, 09:30am-10:45am TTh, ABAH 225; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Coppenger, Brett A, 3 cr

67268-350 LEC; (Online instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Browning PhD, Eve A, 3 cr

67268-350 LEC; (Online instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Browning PhD, Eve A, 3 cr

**1003-Ethics and Society**

(A-F only; prereq credit will not be granted if already received for CLA 1101; meets DLE req of Cultural Diversity in the US; meets DLE req of Humanities; meets LE req of LE CAT8; meets LEIP req of LEIP CAT08)

60853-001 LEC, 03:00pm-03:50pm MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Walsh, Sean P, 3 cr

65466-002 LEC, 01:00pm-01:50pm MWF, SCC 120; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Walsh, Sean P, 3 cr

**1007-Philosophy and World Religions**

(A-F only; meets DLE req of Global Perspectives; meets DLE req of Humanities; meets LE req of LE CAT7; meets LEIP req of LEIP CAT07)

60854-001 LEC, 12:00pm-12:50pm MWF, ABAH 245; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Courtland, Shane D, 3 cr

65467-002 LEC, 02:00pm-02:50pm MWF, MonH 203; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Courtland, Shane D, 3 cr

**1008-Critical Thinking**

(A-F only; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)

64477-001 LEC, 08:00am-09:50am MW, ABAH 245; (Open CE Reserve seats will be available to UMD students 01/10/2012); 1 seat reserved for Continuing Education; Schroer, Jeanine Weekes, 4 cr

**1018-Logic**

(Credit will not be granted if credit has been received for: PHIL 1118; A-F only; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)

65468-001 LEC, 12:00pm-01:50pm TTh, ABAH 245; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Cole, David J, 4 cr

**2001-Existential Literature**

(A-F only; prereq Comp 1120, 30 cr or instr consent; meets DLE req of Humanities)

64478-001 LEC, 11:00am-11:50am MWF, ABAH 245; Schroer, Jeanine Weekes, 3 cr

**3222-Medical Ethics**

(A-F only)  
63250-001 LEC, 11:00am-12:50pm TTh, ABAH 235; Coppenger, Brett A, 4 cr

**3231-Law and Punishment**

(A-F only; prereq 1001 or Soc 1301)

63711-001 LEC, 02:00pm-03:50pm MW, ABAH 245; Ford, Jason, 4 cr

**3242-Values and Technology**

(A-F only; prereq 60 cr or instr consent; meets DLE req of Humanities; meets LE req of LE CAT8)

65469-001 LEC, 12:00pm-12:50pm MWF, H 314; Ford, Jason, 3 cr

**3252-Philosophy of Science**

(A-F; prereq 1001 or 45 cr)

65470-001 LEC, 01:00pm-01:50pm MWF, ABAH 225; Schroer, Robert Ward, 3 cr

**3291-Current Social Political Philosophy**

(A-F only; prereq 1001 or 1003 or instr consent)

64309-001 LEC, 08:00am-09:50am MW, EduE 50; Courtland, Shane D, 4 cr

**3303-The Birth of Modern Philosophy**

(A-F only; prereq 30 cr, course in phil, hist, pol sci or lit or instr consent)

62022-001 LEC, 09:00am-10:50am TTh, ABAH 235; Cole, David J, 4 cr

**3319-19th Century Philosophy**

(A-F only; prereq Min 30 cr or instr consent)

64310-001 LEC, 12:00pm-01:50pm TTh, ABAH 225; Browning PhD, Eve A, 4 cr

**3655-Theory of Knowledge**

(A-F only; prereq (Min 45 cr or instr consent), 1001, 1003, 1007, 1008, 1018, (1101 or 1118), credit will not be granted if already received for PHIL 4655)

67910-001 LEC, 02:00pm-03:50pm TTh, KPlz 312; Coppenger, Brett A, 4 cr

**3900-Colloquium for Majors**

(S-N only; prereq Phil major/minor, dept consent; attendance at 12 dept-approved lectures/discussions over 4-yr period; regis only during semester of 10th lect)

61306-001 COL, 1 cr

**5991-Independent Study**

(max crs 10; 10 repeats allowed; A-F only; prereq instr

consent, cannot be used to satisfy requirements for phil major or minor)

61438-001 IND, 1-3 cr

**5997-Intern Teaching Assistantship**

(max crs 4; A-F only; prereq Instructor consent)

61310-001 IEX, 2 cr

**PHYSICAL EDUCATION (PE)**

110 SpHC, 1216 Ordean Court, College of Education and Human Service Professions, Duluth, MN, 55812-3011  
218/726-7120, <http://www.d.umn.edu/hper/>

**College of Education & Human Service Professions**

**1220-Technical Swimming**

(meets LE req of PE)

61391-001 PHY, 09:00am-09:50am MW, SpHC 20; Technical Swimming is an advanced competitive stroke class tailored to improve each student's technical swimming skills, fitness level & kinesthetic knowledge. Each class consists of a 50-minute swim workout to build your conditioning base. All (4) competitive stroke groups will be integrated into weekly training schedule. An advanced skill level of swimming is recommended. THIS IS NOT A LEARN HOW TO SWIM COURSE.; Batinich, Gregg Anthony, 1 cr

**1300-Ballroom Dance**

(meets LE req of PE)

61392-090 PHY, 06:00pm-07:50pm M, SpHC 135; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 8 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Carlson, Cynthia C, 1 cr

**1402-Tennis**

(meets LE req of PE)

61598-001 PHY, 10:00am-10:50am MW, FH 25; Wendinger, Patricia J, 1 cr

**1414-Bowling**

(meets LE req of PE)

61393-001 PHY, 01:00pm-02:40pm T, Skyline La SKY-LINELAN; (Class meets in SpHC 9 on first day, then Skyline Lanes); Wendinger, Patricia J, 1 cr  
63292-002 PHY, 01:00pm-02:40pm Th, Skyline La SKY-LINELAN; (Class meets in SpHC 9 on first day, then Skyline Lanes); Wendinger, Patricia J, 1 cr

**1500-Cross-Country Skiing**

(meets LE req of PE)

61394-001 PHY, 09:00am-11:30am Th, SpHC 9A, OFFC-MPUMD, 01/22/13-03/15/13; Beery, Thomas H., 1 cr

**1502-Alpine Skiing**

(A-F only; meets LE req of PE)

61395-090 PHY, 06:00pm-09:00pm T, Spirit Mtn CHA-LETO000, OFFC-MPUMD, 01/22/13-03/15/13; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 10 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Beery, Thomas H., 1 cr

**1507-Introduction to River Kayaking**

(meets LE req of PE)

61599-001 PHY, 02:00pm-03:40pm T, SpHC 20; Carlson, Randall Scott, 1 cr

**1512-Fishing Skills**

(meets LE req of PE)

64038-001 PHY, 02:00pm-03:50pm M, SpHC 9; Knapp, Jim L, 1 cr

**1530-Rock Climbing**

(meets LE req of PE)

63297-001 PHY, 02:00pm-06:00pm T, SpHC 78, 03/25/13-05/10/13; , 1 cr

**1531-Intermediate Rock Climbing**

(prereq 1530 or instr consent)

62248-001 PHY, 02:00pm-06:00pm Th, SpHC 78, 03/25/13-05/10/13; Carlson, Randall Scott, 1 cr

**1601-Aerobics**

(meets LE req of PE)

61401-001 PHY, 08:00am-08:50am MW, SpHC 135; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Wendinger, Patricia J, 1 cr  
61402-002 PHY, 08:00am-08:50am TTh, SpHC 135; Wendinger, Patricia J, 1 cr

**1614-Self Defense**

(meets LE req of PE)

66535-090 PHY, 06:00pm-07:50pm T, SpHC 150A; (Open CE reserved seats will be available to UMD students on 01/15/2013.); 4 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Sodahl, Bruce, 1 cr

**1615-Jujutsu**  
(max crs 3; 3 repeats allowed)  
66490-001 PHY, 12:00pm-12:50pm MW, SpHC 150A; Davis, Jason, 1 cr

**1616-Weight Training**  
(meets LE req of PE)  
61387-001 PHY, 09:30am-10:20am TTh, SpHC 92; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Wendinger, Patricia J, 1 cr

**1708-Basketball**  
(meets LE req of PE)  
61558-001 PHY, 09:00am-09:50am MW, SpHC 150; Wendinger, Patricia J, 1 cr

**1905-Varsity Basketball**  
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)  
61724-001 PHY; Holquist, Gary W, 1 cr  
61725-002 PHY; Wiles, Annette M, 1 cr

**1907-Varsity Ice Hockey**  
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)  
61726-001 PHY; Sandelin, Scott A, 1 cr  
61727-002 PHY; Miller, Shannon, 1 cr

**1919-Varsity Track**  
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)  
61652-001 PHY; Nisius, Paul David, 1 cr  
63905-002 PHY; Warmington, Joanna M, 1 cr

**1921-Varsity Tennis**  
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)  
63234-001 PHY; Doyle, Daniel Thomas, 1 cr

**1925-Varsity Baseball**  
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)  
61650-001 PHY; Rients, Bob, 1 cr

**1927-Varsity Softball**  
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)  
61651-001 PHY; Banford, Jennifer Lynn, 1 cr

**2240-Lifeguarding Today**  
(prereq Ability to swim 500 yards, instr consent)  
61299-001 PHY, 08:00am-09:15am TTh, SpHC 8, 08:00am-09:15am TTh, SpHC 20; 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)  
61361-001 PHY, 09:30am-10:45am TTh, SpHC 20; Batinich, Gregg Anthony, 2 cr

**PHYSICAL EDUCATION TEACHER EDUCATION (PETE)**

110 SpHC, 1216 Ordean Court, College of Education and Human Service Professions, Duluth, MN, 55812-3011  
218/726-7120, <http://www.d.umn.edu/hper/>

**College of Education & Human Service Professions**

**1003-Teaching Outdoor Activities in Physical Education**  
(A-F only; prereq Pre-Physical Education Major)  
63631-001 LEC, 08:00am-09:15am TTh, SpHC 210, 08:00am-09:15am TTh, SpHC 150; Course includes weekend field trip April 26-28, 2013.; Zmudy PhD, Mark Howard, 2 cr

**1004-Teaching Recreational and Lifetime Activities**  
(A-F only; prereq Pre-Physical Education major)  
63630-001 LEC, 09:30am-10:45am TTh, SpHC 208, 09:30am-10:45am TTh, SpHC 150, 09:30am-10:45am Th, FH 25; Knapp, Jim L, 2 cr

**1005-Teaching Physical Fitness Activities**  
(A-F only; prereq Pre PE major)  
64453-001 LEC, 08:00am-08:50am MWF, SpHC 150, 08:00am-08:50am MWF, FH 25, 08:00am-08:50am MWF, SpHC 207; Knapp, Jim L, 2 cr

**1007-Teaching Dance Activities**  
(A-F only; prereq Pre PE major)  
62740-001 LEC, 10:00am-10:50am MWF, SpHC 135; Knapp, Jim L, 2 cr

**3501-Teaching Cross-Country Skiing**  
(A-F only; prereq PE or rec major or instr consent ; credit will not be granted if already received for 1500)  
61911-001 LEC, 09:00am-11:30am T, SpHC 9A, 01/22/13-03/15/13; Beery, Thomas H., 1 cr

**3507-Teaching Outdoor Skills II**  
(prereq PE or REC major, (Rec 1201 or Rec 1203), (Rec 1202 or Rec 1204), Rec 2300 or instr consent ; credit will not be granted if already received for 1507)  
61443-001 LEC, 02:00pm-04:50pm T, SpHC 9; Course includes two weekend camping trips: February 16-17 and April 19-21, 2013.; Zmudy PhD, Mark Howard, 2 cr

**4100-Elementary Physical Education Methods**  
(A-F only; prereq 3400, 3500, Secondary Teacher Education Program (STEP), instr consent ; Concurrent registration is required (or allowed) in PETE 4125)  
62063-001 LEC; Class will meet in SpHC 39 on Jan 22 & 24, Feb 19 & 21, Apr 2 & 4 and final exam.; Carlson, Jane A K, 4 cr

**4125-Apprenticeship: Elementary**  
(A-F only; prereq Secondary Teacher Education Program (STEP), instr consent , Concurrent registration is required (or allowed) in PETE 4100)  
62057-001 LAB, 08:00am-11:50am TTh, . TBA; Meets with PETE 4100.; Carlson, Jane A K, 2 cr

**4250-Supervised Teaching: College**  
(max crs 2; A-F; prereq 4100 or 4200, Secondary Teacher Education Program (STEP), instr consent)  
61439-001 PRC; Wendinger, Patricia J, 1 cr  
64564-002 PRC, 08:00am-08:50am F, SpHC 210; Wendinger, Patricia J, 1 cr

**4600-Seminar in Physical Education**  
(A-F only; prereq Physical Education candidate; no grad school credit)  
63750-001 LEC; Carlson, Jane A K, 1 cr

**4991-Independent Study**  
(max crs 8; 8 repeats allowed; A-F only; prereq PE or Exer Sci major and instr consent ; no Grad School credit)  
61400-001 IND; Nierengarten, Mark Edward, 1-4 cr  
63534-002 IND; Carlson, Jane A K, 1-4 cr

**4992-Directed Readings**  
(max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; no Grad School credit)  
63632-001 DRD; Nierengarten, Mark Edward, 1-3 cr

**4997-Practicum**  
(max crs 5; 5 repeats allowed; A-F only; prereq PE or Exer Sci major; no Grad School credit)  
61399-001 PRC; Nierengarten, Mark Edward, 1-5 cr

**PHYSICS (Phys)**  
371 MWAH, 1023 University Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
218/726-7142, <http://www.d.umn.edu/physics>

**Swenson College of Science & Engineering**

**1001-Introduction to Physics I**  
(A-F only; prereq Algebra, trig; meets DLE req of Natural Sciences; meets LE req of LE CAT4)  
-001 LEC, 08:00am-08:50am MTWF, MWAH 195; Johnson, Darrin Eric  
61913-002 LAB, 09:00am-10:50am T, MWAH 275; Johnson, Darrin Eric ; , 5 cr  
61914-003 LAB, 12:00pm-01:50pm T, MWAH 275; Johnson, Darrin Eric ; , 5 cr  
61915-004 LAB, 02:00pm-03:50pm T, MWAH 275; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Johnson, Darrin Eric ; , 5 cr  
61916-005 LAB, 08:00am-09:50am Th, MWAH 275; Johnson, Darrin Eric ; , 5 cr  
62032-006 LAB, 10:00am-11:50am Th, MWAH 275; Johnson, Darrin Eric ; , 5 cr  
62033-007 LAB, 02:00pm-03:50pm Th, MWAH 275; Johnson, Darrin Eric ; , 5 cr

**1002-Introduction to Physics II**  
(A-F only; prereq 1001)  
-001 LEC, 09:00am-09:50am MTWF, MWAH 195; Habig, Alec T  
60874-002 LAB, 10:00am-11:50am T, MWAH 249; Habig, Alec T; Johnson, Darrin Eric ; , 5 cr  
60875-003 LAB, 12:00pm-01:50pm T, MWAH 249; Habig, Alec T; Johnson, Darrin Eric ; , 5 cr  
60876-004 LAB, 02:00pm-03:50pm T, MWAH 249; Habig, Alec T; Johnson, Darrin Eric ; , 5 cr  
60877-005 LAB, 08:00am-09:50am Th, MWAH 249; Habig, Alec T; Johnson, Darrin Eric ; , 5 cr  
60878-006 LAB, 10:00am-11:50am Th, MWAH 249; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Habig, Alec T; Johnson, Darrin Eric ; , 5 cr  
61978-007 LAB, 12:00pm-01:50pm Th, MWAH 249; Habig, Alec T; Johnson, Darrin Eric ; , 5 cr  
62034-008 LAB, 02:00pm-03:50pm Th, MWAH 249; Habig, Alec T; Johnson, Darrin Eric ; , 5 cr

**1033-Cosmology, String Theory and the Death of the Universe**  
(A-F only; meets DLE req of Natural Sciences; meets LE req of LE CAT5)  
64565-001 LEC, 01:00pm-01:50pm MWF, MWAH 195; Hiller, John R, 3 cr

**2013-General Physics I**

(A-F only; prereq 2014 or concurrent, Math 1290 or 1296 or 1596; credit will not be granted if already received for PHYS 1201 or 2011.; meets DLE req of Natural Sciences; meets LE req of LE CAT5)  
66641-001 LEC, 10:00am-10:50am MWThF, MWAH 195; Ludwig, Bruce, 4 cr  
66642-002 LEC, 02:00pm-02:50pm MWThF, MWAH 195; Johnson, Darrin Eric, 4 cr  
66643-003 LEC, 02:00pm-03:50pm MW, MWAH 277; Maps, Jonathan, 4 cr

**2014-General Physics Lab I**  
(A-F only; prereq Previous or concurrent enrollment in PHYS 2013; meets DLE req of Natural Sciences)  
66670-001 LAB, 04:00pm-05:50pm M, MWAH 277; Maps, Jonathan ; , 1 cr  
66672-002 LAB, 08:00am-09:50am T, MWAH 277; Maps, Jonathan ; , 1 cr  
66673-003 LAB, 10:00am-11:50am T, MWAH 277; Maps, Jonathan ; , 1 cr  
66674-004 LAB, 12:00pm-01:50pm T, MWAH 277; Maps, Jonathan ; , 1 cr  
66675-005 LAB, 02:00pm-03:50pm T, MWAH 277; Maps, Jonathan ; , 1 cr  
66676-006 LAB, 04:00pm-05:50pm T, MWAH 277; Maps, Jonathan ; , 1 cr  
66677-007 LAB, 09:00am-10:50am W, MWAH 277; Maps, Jonathan ; , 1 cr  
66678-008 LAB, 11:00am-12:50pm W, MWAH 277; Maps, Jonathan ; , 1 cr  
66679-009 LAB, 04:00pm-04:50pm W, MWAH 277; Maps, Jonathan ; , 1 cr  
66680-010 LAB, 08:00am-09:50am Th, MWAH 277; Maps, Jonathan ; , 1 cr  
66681-011 LAB, 10:00am-11:50am Th, MWAH 277; Maps, Jonathan ; , 1 cr  
66682-012 LAB, 12:00pm-01:50pm Th, MWAH 277; Maps, Jonathan ; , 1 cr  
66683-013 LAB, 02:00pm-03:50pm Th, MWAH 277; Maps, Jonathan ; , 1 cr  
66684-014 LAB, 04:00pm-05:50pm Th, MWAH 277; Maps, Jonathan ; , 1 cr  
66685-015 LAB, 08:00am-09:50am F, MWAH 277; Maps, Jonathan ; , 1 cr

**2015-General Physics II**

(A-F only; prereq 2011 or 2013 and 2014 and 2016 or concurrent, Math 1297 or 1597; credit will not be granted if already received for PHYS 1202, 1204 or 2012.)  
66700-001 LEC, 12:00pm-12:50pm MWThF, MWAH 195; Ludwig, Bruce, 4 cr  
66701-002 LEC, 03:00pm-03:50pm MWThF, MWAH 195; Ludwig, Bruce, 4 cr

**2016-General Physics Lab II**

(A-F only; prereq Previous or concurrently enrollment in PHYS 2015.)  
66703-001 LAB, 03:00pm-04:50pm M, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66704-002 LAB, 08:00am-09:50am T, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66705-003 LAB, 10:00am-11:50am T, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66706-004 LAB, 12:00pm-01:50pm T, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66707-005 LAB, 02:00pm-03:50pm T, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66708-006 LAB, 04:00pm-05:50pm T, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66709-007 LAB, 01:00pm-02:50pm W, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66710-008 LAB, 04:00pm-05:50pm W, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66711-009 LAB, 08:00am-09:50am Th, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66712-010 LAB, 10:00am-11:50am Th, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66713-011 LAB, 01:00pm-02:50pm Th, MWAH 241; Johnson, Darrin Eric ; , 1 cr  
66714-012 LAB, 03:00pm-04:50pm Th, MWAH 241; Johnson, Darrin Eric ; , 1 cr

**2021-Relativity and Quantum Physics**

(A-F only; prereq 1202 or 1204 or 2012 or (2015 and 2016))  
60880-001 LEC, 02:00pm-02:50pm MWF, HH 306; Katsev, Sergei, 4 cr

**2022-Classical Physics**

(A-F only; prereq 2012 or 2015 and 2016; credit will not be granted if already received for 1203 or 1205 or 2001)  
61955-001 LEC, 10:00am-10:50am MWF, HH 216; Austin, Jay A, 4 cr

**2033-Classical and Quantum Physics Lab**

(Credit will not be granted if credit has been received for PHYS 2031; A-F only; prereq Concurrent registration is required (or allowed) in 2021 and 2022)

61956-001 LAB, 09:00am-12:50pm T, MWAH 347; Kohn, Brian J, 2 cr

**2111-Solving Physics Problems I**

(Credit will not be granted if credit has been received for: PHYS 1101, PHYS 1101; S-N only; prereq Math 1296 or Math 1596, concurrent registration is required in 2011)  
61957-001 DIS, 04:00pm-04:50pm M, MWAH 175; Chaby-sheva, Sophia Sergeevna, 1 cr

**2112-Solving Physics Problems II**

(S-N only; prereq Math 1297 or Math 1597, concurrent registration is required in 2012)  
61958-001 DIS, 04:00pm-04:50pm W, MWAH 175; Chaby-sheva, Sophia Sergeevna, 1 cr

**2199-Physics Tutoring**

(max crs 4; 4 repeats allowed; S-N only; prereq 2012 or 2015 and 2016, dept consent)  
60898-001 IND, 1-2 cr

**3091-Independent Study**

(max crs 6; 6 repeats allowed; A-F only; prereq dept consent)  
60896-001 IND; , 1-3 cr

**3094-Physics Research**

(max crs 6; 6 repeats allowed; S-N only; prereq dept consent)  
60897-001 DRS, 1-6 cr

**3561-Astrophysics**

(Credit will not be granted if credit has been received for: PHYS 5561; A-F only; prereq 2021)  
63113-001 LEC, 01:00pm-01:50pm MWF, KPlz 312; Meets with: 62520 PHYS 5561; Habig, Alec T, 3 cr

**4110-Physics for Science Teachers**

(A-F only; prereq 1002 or 2012, no Grad School cr.)  
-001 LEC, 04:00pm-04:50pm T, MWAH 175; Johnson, Darrin Eric  
62394-002 DIS, 04:00pm-05:50pm Th, MWAH 195; Johnson, Darrin Eric, 2 cr

**5061-Experimental Methods**

(A-F only; prereq 2033 or 2031, 3061)  
-001 LEC, 08:00am-08:50am MW, KPlz 312; Maps, Jonathan  
62517-002 LAB, 08:00am-08:50am F, MWAH 379; Maps, Jonathan, 3 cr

**5090-Physics Seminar**

(max crs 2; A-F only; prereq Sr or grad student)  
62337-001 SEM, 03:00pm-03:50pm F, HH 306; Vanchurin, Vitaly, 1 cr

**5511-Electrodynamics**

(A-F only; prereq 4011)  
62519-001 LEC, 10:00am-10:50am MWF, BohH 90; Vanchurin, Vitaly, 3 cr

**5522-Quantum Mechanics II**

(A-F only; prereq 5521)  
62695-001 LEC, 11:00am-11:50am MWF, MWAH 279; Hiller, John R, 3 cr

**5561-Astrophysics**

(Credit will not be granted if credit has been received for: PHYS 5561; A-F only; prereq 2021 and 2022, Math 3280)  
62520-001 LEC, 01:00pm-01:50pm MWF, KPlz 312; Meets with: 63113 PHYS 5561; Habig, Alec T, 3 cr

**5591-Independent Study**

(max crs 6; 6 repeats allowed; S-N only; prereq Consent of director of graduate studies, instr consent)  
61073-001 IND, 1-3 cr

**5594-Physics Research**

(max crs 6; 6 repeats allowed; S-N only; prereq instr consent)  
61074-001 DRS; , 1-3 cr

**8333-FTE: Master's**

(NGA; prereq Master's student, adviser and DGS consent)  
60849-001 DRS, 1 cr

**8777-Thesis Credits: Master's**

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))  
61700-001 THE; , 1-18 cr

**POLITICAL SCIENCE (PoI)**

304 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-7534, <http://www.d.umn.edu/pol/>

**College of Liberal Arts**

**1011-American Government and Politics**

(A-F only; meets DLE req of Social Sciences; meets LE req of LE CAT6)  
60921-001 LEC, 03:30pm-04:45pm TTh, ABAH 245; CE  
Reserved Seats are available to all UMD students on

01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Staley, Tucker C, 3 cr

62986-003 LEC, 09:30am-10:45am TTh, Cina 102; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Jennings, Mark C, 3 cr

62986-003 LEC, 09:30am-10:45am TTh, Cina 102; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Jennings, Mark C, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

62547-002 LEC, 09:00am-09:50am MWF, H 314; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hill, Tony L, 3 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr

61596-001 IEX, 1-12 cr  
62233-002 IEX, 1-12 cr



# University of Minnesota – Class Schedule for Duluth Campus

Spring 2013

- 62581-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Gordon, Randall A, 4 cr
- 2003-Psychology: Discipline and Profession**  
(A-F only; prereq Pre-psychology or psychology major)  
62783-001 LEC, 03:00pm-03:50pm M, SCC 120; Hessler, Eric Edward, 1 cr
- 2021-Developmental Psychology**  
(A-F only; meets DLE req of Cultural Diversity in the US; meets DLE req of Social Sciences; meets LE req of LE CAT6; meets LECD req of LECD CAT06)  
61714-001 LEC, 09:00am-10:50am TTh, LSci 185; 2 seats reserved for Continuing Education; Schilling, Christine Ann, 4 cr  
63580-002 LEC, 12:00pm-01:50pm TTh, SCC 120; 1 seat reserved for Continuing Education; Doane PhD, H Mitzi, 4 cr  
62169-003 LEC, 03:00pm-03:50pm MTWTh, MonH 80; 2 seats reserved for Continuing Education; Schipper, Lucas David, 4 cr  
67526-004 LEC, 05:00pm-05:50pm MTWTh, BohH 90; Young, Keith M, 4 cr
- 2023-Marriages and Families Worldwide**  
(A-F only; meets DLE req of Global Perspectives; meets LE req of LE CAT8; meets LEIP req of LEIP CAT08)  
61839-001 LEC, 01:00pm-01:50pm MTWTh, LSci 185; 3 seats reserved for Continuing Education; Schilling, Christine Ann, 4 cr  
61925-002 LEC, 10:00am-11:50am MW, SCC 120; 2 seats reserved for Continuing Education; Levenson, Katey Rae, 4 cr
- 2223-Gender in Society**  
(A-F only; meets DLE req of Cultural Diversity in the US; meets LE req of LE CAT8; meets LECD req of LECD CAT08)  
62129-001 LEC, 08:00am-08:50am MTWTh, BohH 346; 2 seats reserved for Continuing Education; Levenson, Katey Rae, 4 cr  
64736-050 LEC; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions.; Marsh, Karen Linda, 4 cr
- 3010-Internship Preparation**  
(A-F; prereq Psy major or instr consent)  
61657-001 SEM, 12:00pm-12:50pm TTh, BohH 108; Woolum, Sandra J, 2 cr
- 3011-Internship in Psychology**  
(max crs 6; A-F; prereq 3010 or instr consent)  
62758-001 IEX, 09:00am-09:50am W, KPlz 312; LaCaille, Lara, 3 cr  
62760-002 IEX, 11:00am-11:50am T, BohH 112; Woolum, Sandra J, 3 cr
- 3020-Statistical Methods**  
(A-F only; prereq Elem Algebra, Math placement test)  
62511-001 LEC, 10:00am-10:50am MTWTh, BohH 346; 20 seats reserved for Psy major or pre-psy; Schipper, Lucas David, 4 cr  
62253-002 LEC, 12:00pm-12:50pm MTWTh, BohH 104; 20 seats reserved for Psy major or pre-psy; Schipper, Lucas David, 4 cr  
64451-003 LEC, 10:00am-10:50am MTWTh, EduE 50; 20 seats reserved for Psy major or pre-psy; Carlson, Scott Robert, 4 cr  
63581-050 LEC, instruction mode: Distance Education Other; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions.; 19 seats reserved for Psy major or pre-psy; 10 seats reserved for Psy Online Students; 1 seat reserved for Continuing Education; Slowiak PhD, Julie M, 4 cr
- 3021-Experimental Design and Methodology**  
(A-F only; prereq 3020, Psychology major)  
-001 LEC, 09:30am-10:45am TTh, BohH 108; Slowiak PhD, Julie M, 4 cr  
61405-002 LAB, 11:00am-11:50am W, KPlz 395; Slowiak PhD, Julie M, 4 cr  
61406-003 LAB, 10:00am-10:50am W, KPlz 395; Slowiak PhD, Julie M, 4 cr  
-004 LEC, 08:00am-09:15am TTh, BohH 104; Durgunoglu, Aydin Yucusan  
61746-005 LAB, 08:00am-08:50am W, KPlz 395; Durgunoglu, Aydin Yucusan, 4 cr
- 61747-006 LAB, 09:00am-09:50am W, KPlz 395; Durgunoglu, Aydin Yucusan, 4 cr  
63499-050 LAB, instruction mode: Distance Education Other; Online Instruction-Students must be registered and begin the course at the start of the semester and complete all requirements by the end of the semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions.; Dowell PhD, Kathy, 4 cr  
-051 LEC; Dowell PhD, Kathy
- 3022-Applied Methods and Measurement**  
(A-F only; prereq psychology major, PSY 3020, 3021 or instr consent)  
-001 LEC, 02:00pm-02:50pm MWF, BohH 104; Hessler, Eric Edward  
61408-002 LAB, 01:00pm-01:50pm T, KPlz 395; Hessler, Eric Edward, 4 cr  
61409-003 LAB, 11:00am-11:50am T, KPlz 395; Hessler, Eric Edward, 4 cr  
-004 LEC, 08:00am-09:15am TTh, BohH 108; Gordon, Randall A  
61411-005 LAB, 01:00pm-01:50pm W, KPlz 395; Gordon, Randall A, 4 cr  
61412-006 LAB, 02:00pm-02:50pm W, KPlz 395; Gordon, Randall A, 4 cr  
-007 LEC, 02:00pm-02:50pm MWF, BohH 346; Lloyd, Robert Lee  
61927-008 LAB, 02:00pm-02:50pm T, KPlz 395; Lloyd, Robert Lee, 4 cr  
61928-009 LAB, 02:00pm-02:50pm Th, KPlz 395; Lloyd, Robert Lee, 4 cr
- 3061-Physiological Psychology**  
(A-F only; prereq 1003 or instr consent)  
64473-001 LEC, 12:00pm-12:50pm MTWTh, MonH 208; 20 seats reserved for Psy major or pre-psy; Lloyd, Robert Lee, 4 cr  
62941-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 20 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Lloyd, Robert Lee, 4 cr
- 3081-History and Systems of Psychology**  
(A-F only; prereq 1003 or instr consent)  
64202-002 LEC, 02:00pm-03:15pm TTh, EduE 50; 20 seats reserved for Psy major or pre-psy; Stuecher, Uwe Heinric, 3 cr  
63327-050 LEC, instruction mode: Distance Education Other; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions - Internet-delivered , Bookstore; 20 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; 1 seat reserved for Continuing Education; Kivi, Carol Susan, 3 cr  
63328-051 LEC, instruction mode: Distance Education Other; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions - Internet-delivered , Bookstore; 20 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; Kivi, Carol Susan, 3 cr  
62110-090 LEC, 05:15pm-07:45pm W, BohH 108; (Open CE reserved seats will be available to UMD students on 01/15/2013.); 20 seats reserved for Psy major or pre-psy; 6 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Stuecher, Uwe Heinric, 3 cr
- 3111-Theories of Personality**  
(A-F only; prereq 1003 or instr consent)  
63330-001 LEC, 03:30pm-04:45pm TTh, EduE 20; 20 seats reserved for Psy major or pre-psy; 1 seat reserved for Continuing Education; Stuecher, Uwe Heinric, 3 cr  
63378-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 20 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Kivi, Carol Susan, 3 cr
- 3121-Abnormal Psychology**  
(A-F only; prereq 1003 or instr consent)  
64743-001 LEC, 01:00pm-02:50pm TTh, BohH 346; 20 seats reserved for Psy major or pre-psy; LaCaille, Lara, 4 cr  
61929-002 LEC, 01:00pm-01:50pm MTWTh, BohH 108; 20 seats reserved for Psy major or pre-psy; Marsh, Karen Linda, 4 cr
- 62512-003 LEC, 12:00pm-12:50pm MTWTh, BohH 346; 20 seats reserved for Psy major or pre-psy; 1 seat reserved for Continuing Education; Carlson, Scott Robert, 4 cr  
64446-050 LEC, instruction mode: Distance Education Other; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions - Internet-delivered , Bookstore; 20 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; 1 seat reserved for Continuing Education; LaCaille, Rick A, 4 cr
- 3201-Social Psychology**  
(A-F only; prereq 1003 or instr consent)  
63089-001 LEC, 03:30pm-04:45pm TTh, BohH 346; 20 seats reserved for Psy major or pre-psy; Gordon, Randall A, 3 cr  
62043-002 LEC, 10:00am-10:50am MWF, BohH 108; 20 seats reserved for Psy major or pre-psy; Luong, Alexandra, 3 cr  
63586-003 LEC, 09:30am-10:45am TTh, BohH 104; 20 seats reserved for Psy major or pre-psy; Gordon, Randall A, 3 cr  
64744-050 LEC; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions - Internet-delivered , Bookstore; 16 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; LaCaille, Lara, 3 cr
- 3211-Group Dynamics**  
(A-F only; prereq 1003 or instr consent)  
61366-001 LEC, 03:30pm-04:45pm TTh, BohH 108; 20 seats reserved for Psy major or pre-psy; Young, Keith M, 3 cr  
63329-050 LEC, instruction mode: Distance Education Other; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions - Internet-delivered , Bookstore (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 16 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; 1 seat reserved for Continuing Education; Luong, Alexandra, 3 cr
- 3215-Topics in Human Sexuality**  
(Credit will not be granted if credit has been received for PSY 3216; A-F only; prereq 1003 or instr consent)  
61390-001 LEC, 02:00pm-02:50pm MWF, BohH 108; 20 seats reserved for Psy major or pre-psy; Schilling, Christine Ann, 3 cr  
63090-350 LEC; (Online Instruction, course adheres to traditional semester dates. Initial course information is available at <http://www.d.umn.edu/goto/ceonlineGettingStartedOnYourOnlineCourse>.); 16 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013, 3 cr
- 3371-Child and Adolescent Psychology**  
(A-F only; prereq 1003)  
62574-050 LEC, instruction mode: Distance Education Other; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions - Internet-delivered , Bookstore; 16 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; Kivi, Carol Susan, 3 cr
- 3381-Adult Development and Aging**  
(A-F only; prereq 1003)  
64745-001 LEC, 02:00pm-03:15pm TTh, Cina 202; 20 seats reserved for Psy major or pre-psy; Young, Keith M, 3 cr  
62583-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 20 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Durgunoglu, Aydin Yucusan, 3 cr
- 3445-Transpersonal Psychology**  
(A-F only; prereq 1003 or instr consent)

61930-001 DIS, 05:00pm-06:15pm TTh, EduE 20; , 3 cr

**3520-Introduction to Industrial/Organizational Psychology**  
(A-F only; prereq 1003 or instr consent ; credit will not be granted if already received for 3701 or 3707)

62584-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 20 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Luong, Alexandra, 4 cr

**3524-Basic Helping Skills**  
(A-F only)

61419-001 LEC, 02:00pm-03:50pm T, BohH 343, 02:00pm-03:50pm Th, H 480; 20 seats reserved for Psy major or pre-psy; Woolum, Sandra J, 4 cr  
62952-050 LEC, instruction mode: Distance Education Other; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions - Internet-delivered , Bookstore; 20 seats reserved for Psy major or pre-psy; 4 seats reserved for Psy Online Students; 1 seat reserved for Continuing Education; Kivi, Carol Susan, 4 cr

**3601-Psychology of Personal Development**  
(A-F only; prereq 1003 or instr consent)

61296-001 LEC, 02:00pm-03:15pm TTh, BohH 108; , 3 cr  
62757-002 LEC, 03:30pm-04:45pm TTh, BohH 104; , 3 cr  
66547-350 LEC; (Open CE reserved seats will be available to UMD students one week prior to the start of the semester. Initial course information will be sent to students via UMD email.); 4 seats reserved for Psy Online Students - EXPIRES 15-JAN-2013; 16 seats reserved for Psy major or pre-psy - EXPIRES 15-JAN-2013; 8 seats reserved for Psychology Minor - EXPIRES 15-JAN-2013; 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Acheson Lee, Joie, 3 cr

**3611-Learning and Behavior**  
(A-F only; prereq 1003 or instr consent)

64199-001 LEC, 10:00am-10:50am MTWTh, EduE 20; 20 seats reserved for Psy major or pre-psy; Young, Keith M, 4 cr  
63587-002 LEC, 08:00am-09:50am TTh, BohH 112; 20 seats reserved for Psy major or pre-psy; Stuecher, Uwe Heinric, 4 cr

**3621-Cognition**

(A-F only; prereq 1003 or instr consent)  
63589-001 LEC, 01:00pm-02:50pm TTh, BohH 104; 20 seats reserved for Psy major or pre-psy; Schipper, Lucas David, 4 cr

**3697-Sensation and Perception**  
(A-F only)

63590-001 LEC, 09:00am-09:50am MTWTh, BohH 346; 20 seats reserved for Psy major or pre-psy; Hessler, Eric Edward, 4 cr

**3701-Personnel Psychology**  
(A-F only; prereq 1003)

62401-001 LEC, 11:00am-11:50am MWF, BohH 108; Luong, Alexandra, 3 cr

**3986-Honors Project**

(max crs 6; 6 repeats allowed; A-F only; prereq Psychology major, 3.00 GPA overall; 3.25 GPA Psychology; meets HON req of Honors)  
63824-001 IND; , 1-6 cr

**3989-Directed Instruction**

(max crs 4; 4 repeats allowed; prereq instr consent)  
62285-001 LEC; , 1-4 cr  
64590-002 LEC; , 1-4 cr  
64593-003 LEC; , 1-4 cr  
64602-004 LEC; , 1-4 cr  
64607-005 LEC; , 1-4 cr  
64608-006 LEC; , 1-4 cr  
64612-007 LEC; , 1-4 cr  
64623-008 LEC; , 1-4 cr  
67528-009 LEC; Hessler, Eric Edward, 1-4 cr

**3991-Projects in Psychology**

(max crs 4; 4 repeats allowed; S-N only; prereq Psy major or minor, instructor consent)  
61446-001 IND; , 1-4 cr

**3994-Directed Research in Psychology**

(max crs 8; 8 repeats allowed; A-F only; prereq Psy major or minor, instr consent)  
61715-001 DRS; , 1-8 cr  
64586-002 DRS; , 1-8 cr

**3996-Pre-Professional Field Placement**

(max crs 4; 4 repeats allowed; S-N; prereq 3010, Concurrent registration is required (or allowed) in 3011, instr consent)

62948-001 FWK; , 1-4 cr  
64746-002 FWK; Woolum, Sandra J, 1-4 cr

**4121-Foundations of Clinical Psychology**

(A-F only; prereq 3121, no Grad School cr)  
64748-001 LEC, 09:30am-10:45am TTh, Engr 280; 20 seats reserved for Psy major or pre-psy; LaCaille, Rick A, 3 cr

**4500-Health Psychology**

(A-F only; prereq 1003, min 60 cr or instr consent)  
64749-050 LEC; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions - Internet-delivered , Bookstore; 20 seats reserved for Psy major or pre-psy; LaCaille, Rick A, 3 cr

**5155-Forensic Psychology**

(A-F only; prereq 1003 or instr consent)  
64201-001 LEC, 04:00pm-05:15pm TTh, SpHC 208; 20 seats reserved for Psy major or pre-psy; Apostal, Kathryn J, 3 cr

## RECREATION (Rec)

110 SpHC, 1216 Ordean Court, College of Education and Human Service Professions, Duluth, MN, 55812-3011  
218/726-7120, <http://www.d.umn.edu/hper/>

## College of Education & Human Service Professions

**1202-Outdoor Skills II**

(A-F only; meets LE req of PE)  
61379-001 PHY, 02:00pm-04:50pm T, SpHC 9A; Course includes two weekend camping trips: February 16-17 and April 19-21, 2013.; Beery, Thomas H., 2 cr

**1204-Outdoor Skills II**

(A-F only; prereq Pre rec, rec major or minor)  
61445-001 PHY, 02:00pm-04:50pm Th, SpHC 9A; Course includes two weekend camping trips: February 16-17 and April 19-21, 2013.; Beery, Thomas H., 2 cr

**2300-Recreation Programming**

(A-F only; prereq 1000 or instr consent)  
61381-001 LEC, 09:00am-10:50am MWF, SpHC 9A; Beery, Thomas H., 3 cr

**3327-Large Event Management**

(A-F only; prereq 2300 or instr consent)  
62526-001 LEC, 10:00am-10:50am MWF, SpHC 9; Zmudy PhD, Mark Howard, 3 cr

**4320-GIS Management for Recreation Professionals**

(prereq No Grad School credit)  
61938-001 LEC, 05:30pm-08:30pm Th, KPlz 143; Geissler, John D, 3 cr

**4991-Independent Study**

(max crs 4; 4 repeats allowed; A-F only; prereq instr consent ; no Grad School credit)  
61385-001 IND; Beery, Thomas H., 1-4 cr  
63913-002 IND; Gilbertson, Ken Lloyd, 1-4 cr  
63914-003 IND; Ernst, Julie Ann, 1-4 cr  
63915-004 IND; Zmudy PhD, Mark Howard, 1-4 cr

**4992-Readings in Recreation**

(max crs 4; 4 repeats allowed; A-F only; prereq instr consent ; no Grad School credit)  
61386-001 DRD; Beery, Thomas H., 1-4 cr

**4997-Recreation Practicum**

(S-N; prereq ENED 4163, PETE 3508 and instr consent ; no grad credit)  
61384-001 PRC; Beery, Thomas H., 3 cr  
63916-002 PRC; Gilbertson, Ken Lloyd, 3 cr  
63917-003 PRC; Ernst, Julie Ann, 3 cr  
63918-004 PRC; Zmudy PhD, Mark Howard, 3 cr

## RUSSIAN (Russ)

457 H, 1201 Ordean Court, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-7951, <http://www.d.umn.edu/fl/main/>

## College of Liberal Arts

**1102-Beginning Russian II**

(A-F only; prereq 1101 or equiv or instr consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)  
66771-001 LEC, 04:00pm-04:50pm MTWTh, H 464; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Nolan, Daniel, 4 cr

**3405-Film and New Media in Russian Society**

(A-F only; prereq 1101 and 1102 preferred; course is taught in English)  
68549-001 LEC, 02:00pm-03:50pm TTh, H 464; Nolan, Daniel, 4 cr

## SAFETY (SAFE)

229 VKH, 1305 Ordean Court, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
218/726-8117, <http://www.d.umn.edu/mie>

## Swenson College of Science & Engineering

**6012-Risk Management and Workers' Compensation**

(A-F only; prereq MEHS student or dept consent and instr consent)  
64403-001 LEC, 05:00pm-06:50pm TTh, VKH 115; Dababneh, Awwad J, 4 cr

**6051-Construction Safety**

(A-F only; prereq 6002 or dept consent and instr consent)  
61363-001 LEC, 05:00pm-07:40pm W, VKH 201; Taylor, Sean Lachlan, 3 cr

**6102-Advanced Industrial Hygiene and Health Physics**

(A-F only; prereq 6101 or dept consent and instr consent)  
64404-001 LEC, 05:00pm-07:40pm M, VKH 201; Roseth, Wade Edward, 3 cr

**6211-Transportation Safety**

(A-F only; prereq MEHS student or dept consent and instr consent)  
68318-001 LEC, 02:00pm-04:40pm W, VKH 201, 3 cr

**6291-Independent Study in Industrial Safety**

(max crs 3; S-N only; prereq 6002, instr consent)  
61364-001 IND; Feyen, Robert G, 1-3 cr

**6302-Occupational Ergonomics and Injury Management**

(A-F only; prereq MEHS student or dept consent and instr consent)  
61358-001 LEC, 03:00pm-04:20pm TTh, VKH 201; (+ lab arr) VKH 201.207; Dababneh, Awwad J, 3 cr

**6997-Internship in Environmental Health and Safety**

(S-N only; prereq MEHS student, dept consent)  
63830-001 IEX; Feyen, Robert G, 3 cr

## SOCIAL WORK (SW)

220 BohH, 1207 Ordean Court, College of Education and Human Service Professions, Duluth, MN, 55812-3011  
218/726-7245, <http://www.d.umn.edu/sw>

## College of Education & Human Service Professions

**1210-Global Issues**

(Credit will not be granted if credit has been received for: SW 1211, SW 1212; A-F only; meets DLE req of Global Perspectives; meets DLE req of Social Sciences; meets LE req of LE CAT8; meets LEIP req of LEIP CAT08)  
62947-001 LEC, 02:00pm-03:15pm TTh, ABH 225; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; , 3 cr

**5091-Independent Study**

(max crs 8; 8 repeats allowed; prereq instr consent)  
63647-001 IND; Campbell, Evie, 1-4 cr  
63648-002 IND; Day, Priscilla A, 1-4 cr  
63649-003 IND; Haynes, Janet May, 1-4 cr  
63650-004 IND; Heltzer, Kathleen Victoria, 1-4 cr  
63651-005 IND; Tellett, Anne Elizabeth, 1-4 cr  
63652-006 IND; Dziengel, Lake E., 1-4 cr  
63653-007 IND; , 1-4 cr

**5095-Special Topics: (Various Titles to be Assigned)**

(max crs 12; 12 repeats allowed)  
67789-001 LEC, instruction mode: Distance Education Other; Bryant, Michael, 1-4 cr; T.Child Welfare African American Families

**5096-Special Project**

(max crs 8; 8 repeats allowed; S-N only; prereq instr consent)  
60967-001 FWK; Campbell, Evie, 1-4 cr  
61835-002 FWK; Day, Priscilla A, 1-4 cr  
62164-003 FWK; Haynes, Janet May, 1-4 cr  
62406-004 FWK; Heltzer, Kathleen Victoria, 1-4 cr  
63643-005 FWK; Tellett, Anne Elizabeth, 1-4 cr  
62165-006 FWK; Dziengel, Lake E., 1-4 cr  
62564-007 FWK; , 1-4 cr

**5111-Grant Writing in the Human Services**

(max crs 2; A-F; prereq Jr or sr or Grad or instr consent)  
63133-001 LEC, 06:00pm-07:50pm Th, BohH 104; This will be a hybrid course and specific information regarding face to face course time and computer time will be discussed in the first class meeting.; Cruikshank, Kirsten E, 1-2 cr

**5120-Cross-Cultural Exploration Through Learning Circles**

(S-N; prereq Admission into MSW, 8100 or instr consent)  
63043-001 DIS; Tellett, Anne Elizabeth; Day, Priscilla A, 1 cr

**5271-Women and Social Policy**

(A-F; prereq Jr or sr or Grad or instr consent)  
63101-001 LEC, 10:00am-11:50am F, BohH 343; Haynes, Janet May, 2 cr

**5280-Addressing Alcohol Related Problems in Social Work Practice**

(max crs 2; prereq Jr or Sr or Grad or instr consent)  
67271-350 LEC; (Online instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 15-JAN-2013; Garrison, Johanna Mary, 1-2 cr

**5990-Pre-Field Work**

(NGA)  
63409-001 FWK, 0 cr

**8031-Advanced Practice in Child Welfare**

(A-F; prereq 5032, 8441)  
60968-001 LEC, 06:00pm-08:50pm Th, BohH 343; Snyder, Mark Joseph, 3 cr

**8070-A Problem-based Approach to Clinical Assessment and Intervention**

(A-F; prereq 8441)  
63408-001 SEM, 08:30am-06:30pm S, BohH 112, 01/26/13-01/26/13, 08:30am-06:30pm S, BohH 112, 02/16/13-02/16/13, 08:30am-06:30pm S, BohH 112, 03/09/13-03/09/13, 08:30am-06:30pm S, BohH 112, 04/06/13-04/06/13; Class will be held January 26, February 16, March 9 and April 6.; Barker, Carina Lisa, 3 cr

**8100-Social Work with Diverse Populations**

(A-F; prereq MSW students or instr consent)  
62408-001 LEC, 06:00pm-08:50pm Th, BohH 112; Haynes, Janet May, 3 cr

**8101-Introduction to Research**

(A-F; prereq SW Grad student or instr consent)  
60955-001 LEC, 01:00pm-02:50pm Th, BohH 343; Dziengel, Lake E., 2 cr

**8102-Advanced Research**

(A-F; prereq 8101 or admission to advanced standing MSW program)  
64117-001 SEM, 12:00pm-02:50pm Th, BohH 112; Amell, James William, 3 cr

**8105-MSW Portfolio and Final Oral Seminar**

(S-N only; prereq 8102)  
63939-001 IND; Amell, James William, 0 cr  
63953-002 IND; Campbell, Evie, 0 cr  
63954-003 IND; Day, Priscilla A, 0 cr  
63955-004 IND; Dziengel, Lake E., 0 cr  
63956-005 IND; Haynes, Janet May, 0 cr  
63957-006 IND; Heltzer, Kathleen Victoria, 0 cr  
63958-007 IND; Tellett, Anne Elizabeth, 0 cr

**8112-Organization and Community Practice I**

(A-F; prereq 8111)  
60964-001 LEC, 01:00pm-03:50pm F, BohH 112; Amell, James William, 3 cr

**8235-American Indians and Social Policy**

(A-F only; prereq 5201 or advanced standing MSW program or instr consent ; credit will not be granted if already received for 5235.)  
62407-001 LEC, 03:00pm-04:50pm Th, BohH 343; This will be a hybrid course and specific information regarding face to face course time and computer time will be discussed in the first class meeting.; Campbell, Evie, 3 cr

**8332-Advanced Practice in Administration and Community Development**

(max crs 3; A-F; prereq 8331)  
62675-001 LEC, 03:00pm-04:50pm F, BohH 343; Tellett, Anne Elizabeth, 2-3 cr

**8443-Advanced Practice in Mental Health**

(A-F; prereq 8441 A?)  
62409-001 LEC, 09:00am-11:50am F, BohH 112; Dziengel, Lake E., 3 cr

**8771-Health in American Indian Communities**

(A-F; prereq 8235)  
60970-001 LEC, 01:00pm-02:50pm F, BohH 343; Campbell, Evie, 2 cr

**8801-Field Placement I**

(max crs 6; S-N; prereq 8111, 8112; SW Grad student, instr consent)  
60957-001 IEX, 11:00am-12:20pm Th, BohH 343; Heltzer, Kathleen Victoria, 3-6 cr  
60958-002 IEX, 04:00pm-05:20pm F, BohH 112; Ness, Mary K, 3-6 cr

**8802-Field Placement II**

(max crs 8; S-N; prereq Concurrent registration is required (or allowed) in 8031 or 8332 or 8443 or 8544, SW Grad Student and instr consent)  
62083-001 PRC, 10:00am-11:20am Th, BohH 112; Chaplin, Leslie Ann, 3-8 cr  
60963-002 PRC, 05:00pm-06:20pm F, BohH 343; Tellett, Anne Elizabeth, 3-8 cr

**8881-Dynamics of American Indian Families**

(A-F; prereq 8235 or instr consent)  
60971-001 LEC, 03:00pm-04:50pm Th, BohH 112; Day, John J., 2 cr

**SOCIOLOGY (Soc)**

228 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-7801, <http://www.d.umn.edu/socanhr/>

**College of Liberal Arts**

**1080-Development of Social Selves**

(A-F only; meets DLE req of Social Sciences; meets LE req of LE CAT8)  
63682-001 LEC, 01:00pm-01:50pm MWF, Cina 224; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Wilson, Janelle L, 3 cr

**1101-Introduction to Sociology**

(A-F only; meets DLE req of Cultural Diversity in the US; meets DLE req of Social Sciences; meets LE req of LE CAT6; meets LECD req of LECD CAT06)  
60864-001 LEC, 09:00am-09:50am MTWTh, MonH 70; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Janssen, Susan L, 4 cr  
60865-090 LEC, 06:00pm-09:30pm W, ABAH 245; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 6 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Gittings, Ronald F, 4 cr

**1201-Sociology of the Family**

(A-F only; meets DLE req of Cultural Diversity in the US; meets DLE req of Social Sciences; meets LE req of LE CAT8; meets LECD req of LECD CAT08)  
64213-001 LEC, 12:00pm-12:50pm MWF, Cina 202; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Mork, Bruce, 3 cr

**1400-Alcohol and College Life**

(A-F only; prereq Freshman or Sophomore status)  
62477-050 INI, instruction mode: Distance Education Other; Perry, Lauretta Marie, 1 cr  
63545-051 INI, instruction mode: Distance Education Other; Perry, Lauretta Marie, 1 cr  
64621-052 INI, 1 cr

**2155-Introduction to Research Methods and Analysis**

(A-F only)  
62364-001 LEC, 08:00am-09:50am MW, Cina 214; Mork, Bruce, 4 cr  
63851-002 LEC, 11:00am-11:50am MTWTh, MonH 208; Janssen, Susan L, 4 cr  
66650-003 LEC, 12:00pm-12:50pm MTWTh, Cina 106; Janssen, Susan L, 4 cr

**3155-Quantitative Research Methods and Analysis**

(A-F only; prereq 2155, crim major or soc major or URS major, min 30 cr)  
62365-001 LEC, 11:00am-11:50am MTWTh, MonH 203; Martin, Daniel D., 4 cr  
62366-002 LEC, 10:00am-10:50am MTWTh, Cina 106; Martin, Daniel D., 4 cr  
62367-090 LEC, 05:00pm-08:30pm M, H 458; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 6 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Weidner, Robert R, 4 cr

**3595-Special Topics: (Various Titles to be Assigned)**

(max crs 6; A-F only; prereq Min 30 cr or instr consent)  
67509-001 LEC, 10:00am-10:50am MWF, Cina 102; Mork, Bruce, 3 cr; T: Sociology of Religion

**3901-Social Change and Social Policy**

(A-F only; prereq 30 cr or instr consent)  
66688-001 LEC, 03:00pm-03:50pm MWF, Cina 224; Mork, Bruce, 3 cr

**3945-Social Stratification**

(A-F only; prereq 1101 or CRIM 1301 or CSt 1101 or Anth 1604, min 30 cr or instr consent)  
62246-001 LEC, 08:00am-09:15am TTh, Cina 202; Grana, Sheryl Judith, 3 cr

**4111-Sociological Theory**

(A-F only; prereq 1101, 30 cr, no Grad School cr; credit will

not be granted if already received for SOC 2111.)  
66692-001 LEC, 08:00am-09:50am MW, Cina 224; Hamlin, John E, 4 cr  
66693-090 LEC, 05:00pm-08:30pm M, Cina 224; Hamlin, John E, 4 cr

**4587-Internship Preparation**

(A-F; prereq CRIM majors - CRIM 1301,2311, SOC 2155; SOC majors - SOC 1101, 2155; min 60 cr, no Grad School cr)  
61416-001 LEC, 01:00pm-01:50pm T, Cina 102; Weidner, Robert R, 1 cr

**4597-Internship**

(max crs 8; S-N; prereq Internship coordinator consent, soc or crim major, 4587, WRIT 31xx; no Grad School cr)  
60893-001 IEX, 03:00pm-04:15pm M, Cina 202, 01/28/13-01/28/13, 03:00pm-04:15pm M, Cina 202, 02/18/13-02/18/13, 03:00pm-04:15pm M, Cina 202, 05/06/13-05/06/13; (Special term: Jan 28, Feb 18, and May 6); Weidner, Robert R, 6-8 cr

**4860-Environmental Sociology**

(A-F only; prereq 90 cr or Grad Student or instr consent; meets DLE req of Sustainability)  
66691-001 LEC, 02:00pm-03:15pm TTh, Engr 280; Gaarder, Emily, 3 cr

**4910-Teaching Assistantship in Sociology**

(max crs 3; 3 repeats allowed; A-F; prereq 60 cr, instr consent ; no Grad School cr; maximum 3 credits allowed between SOC 4910, 4997 and CRIM 4397, 4910)  
66695-001 PRC; Janssen, Susan L, 1-3 cr

**4925-Sociology of Race**

(A-F only; prereq 1101 or CRIM 1301 or CSt 1101 or Anth 1604 or WS 1000, 60 cr, or instr consent)  
66694-001 LEC, 11:00am-11:50am MWF, Cina 224; Hamlin, John E, 3 cr

**4935-Peace, Conflict, and Violence**

(A-F only; prereq 60 cr or Grad Student or instr consent)  
64454-001 LEC, 02:00pm-02:50pm MWF, Cina 224; Vollum, Scott, 3 cr

**4947-Sociology of Gender Identities and Systems**

(A-F only; prereq 1101 or CRIM 1301 or CSt 1101 or Anth 1604 or WS 1000, min 60 cr, or grad student or instr consent)  
64215-001 LEC, 10:00am-10:50am MWF, Cina 224; Wilson, Janelle L, 3 cr

**4949-Race and Ethnic Relations**

(A-F only; prereq 1101 or CRIM 1301 or CSt 1101 or Anth 1604, 60 cr, or instr consent)  
63105-001 LEC, 09:30am-10:45am TTh, Cina 202; Grana, Sheryl Judith, 3 cr

**4981-Social Movements, Protest and Change**

(A-F only; prereq 60 cr or grad student or instr consent)  
66699-001 LEC, 01:00pm-02:15pm TTh, Cina 224; Martin, Daniel D., 3 cr

**4991-Independent Study in Sociology**

(max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; maximum 6 credits allowed between SOC 4991 and CRIM 4391)  
61417-001 IND; Weidner, Robert R, 1-6 cr

**4999-Honors Project Sociology**

(max crs 8; A-F only; prereq 90 cr, approval by dept honors program director; no Grad School credit; maximum 8 credits allowed between SOC 4999 and CRIM 4399; meets HON req of Honors)  
61418-001 DR; Weidner, Robert R, 1-4 cr

**SPANISH (Span)**

457 H, 1201 Ordean Court, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-7951, <http://www.d.umn.edu/fl/main>

**College of Liberal Arts**

**1102-Beginning Spanish II**

(A-F only; prereq 1-2 yrs high school Span or 1101 or instr consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)  
60855-001 LEC, 11:00am-11:50am MTThF, H 468; (Open CE Reserve seats will be available to UMD students 01/10/2012); 1 seat reserved for Continuing Education; Gomez, Milagros, 4 cr  
64077-002 LEC, 12:00pm-12:50pm MTThF, H 468; (Open CE Reserve seats will be available to UMD students 01/10/2012); 1 seat reserved for Continuing Education; Gomez, Milagros, 4 cr

**1202-Intermediate Spanish II**

(A-F only; prereq 4 yrs high school Span or 1201 or instr consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LEIP req of LEIP CAT03)

60856-001 LEC, 09:00am-09:50am MTThF, DAdB 16A; Snustad, Andrew P, 4 cr  
 60857-002 LEC, 10:00am-10:50am MTThF, DAdB 16A; Snustad, Andrew P, 4 cr  
 60858-003 LEC, 11:00am-11:50am MTThF, H 490; Gomez Menjivar, Jennifer Carolina, 4 cr

**3042-Hispanic American Civilization and Culture**

(A-F only; prereq 2301 with C or better or instr consent ; offered alt yrs; meets DLE req of Global Perspectives; meets DLE req of Humanities)  
 62720-001 LEC, 12:00pm-01:50pm TTh, H 490; Snustad, Andrew P, 4 cr  
 64078-002 LEC, 12:00pm-01:50pm MF, H 490; Gomez Menjivar, Jennifer Carolina, 4 cr

**3044-Spanish Civilization and Culture**

(A-F only; prereq 2301 with C or better or instr consent ; offered alt yrs; meets DLE req of Global Perspectives; meets DLE req of Humanities)  
 61917-001 LEC, 04:00pm-05:50pm MW, H 490; Caceres Garcia, J, 4 cr  
 63062-002 LEC, 01:00pm-02:50pm TTh, HH 216; Tobin Stanley, Maureen, 4 cr

**4011-Hispanic American Prose**

(A-F only; prereq 2301 with C or better or instr consent ; no Grad School credit; offered every third yr; meets DLE req of Humanities)  
 66841-001 LEC, 02:00pm-03:50pm TTh, H 490; Gomez, Milagros, 4 cr

**4090-Aspects of the Hispanic World**

(A-F only; prereq 2301 with C or better or instr consent ; no Grad School credit; meets DLE req of Humanities)  
 64080-001 LEC, 04:00pm-05:50pm TTh, H 490; Caceres Garcia, J, 4 cr

**4091-Independent Study**

(max crs 8; 8 repeats allowed; A-F; prereq 2301 with C or better, instructor consent; no Grad School credit)  
 62719-001 IND, 1-4 cr

**SPECIAL EDUCATION (SpEd)**

150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN, 55812-3029  
 218/726-7233, <http://www.d.umn.edu/educ/>

**College of Education & Human Service Professions**

**1357-Individuals with Disabilities in Society**

(A-F only; meets DLE req of Cultural Diversity in the US; meets LE req of LE CATS; meets LECD req of LECD CAT08)  
 61350-001 LEC, 02:00pm-03:15pm TTh, MonH 203; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); 1 seat reserved for Continuing Education; Olson, Andrea Rae, 3 cr

**3103-Infants and Toddlers with Special Needs**

(Credit will not be granted if credit has been received for: SPED 5103; A-F only; prereq UECH major or instr consent)  
 62664-001 LEC, 01:00pm-04:50pm F, MonH 121; Marchel, Mary A, 4 cr

**3415-Special Education in the Secondary School**

(A-F)  
 63208-001 LEC, 10:00am-10:50am MWF, MonH 121; Additional course hours will be required in an online learning environment.; Hughes, Trudie Ann, 3 cr  
 63209-002 LEC, 01:00pm-01:50pm TTh, MonH 121; Additional course hours will be required in an online learning environment.; Hughes, Trudie Ann, 3 cr

**4204-Assessment in the General and Special Education Classroom**

(Credit will not be granted if credit has been received for: SPED 5204; A-F only; prereq 4433, IESE candidate, SPED post bac, no Grad School cr)  
 62537-001 LEC, 05:00pm-08:15pm M, EduE 17; meets with SpEd 5204; Meets with: 62538 SPED 5204; Dietrich, Jane Ellen; Han, Insoon, 4 cr

**4260-Language and Social Skills for Children and Youth with Autism Spectrum Disorders**

(Credit will not be granted if credit has been received for: SPED 5260; A-F only; prereq No Grad School cr)  
 64456-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Hyppa Martin, Jolene K, 4 cr

**4310-Response to Intervention in the General Education Classroom**

(A-F only; prereq IESE candidate, post bac special education; credit will not be granted if already received for 5310)  
 61936-001 LEC, 09:30am-11:50am TTh, EduE 16; Nierengarten

EdD, Gerry, 4 cr

**4351-Learning Disabilities Characteristics and Interventions**

(Credit will not be granted if credit has been received for: SPED 5351; A-F only; prereq 4433, postbac or instr consent ; no Grad School cr)  
 64057-001 LEC, 05:00pm-08:15pm Th, MonH 151; Course meets with SpEd 5351-001; Meets with: 64060 SPED 5351; , 4 cr

**4381-Classroom and Behavior Management**

(Credit will not be granted if credit has been received for: SPED 5381; A-F only; prereq 4433, IESE or postbac sped; no Grad School cr)  
 64059-001 LEC, 05:00pm-08:15pm T, MonH 151; Course meets with SpEd 5381-001; Meets with: 64062 SPED 5381; Hazareesingh, Nedra A; Hughes, Trudie Ann, 4 cr

**4382-Advanced Theory and Practice in Emotional, Behavioral Disorders**

(Credit will not be granted if credit has been received for: SPED 5382; A-F only; prereq 4433, 4381, postbac or instr consent ; no Grad School cr)  
 63126-001 LEC, 05:00pm-08:15pm W, EduE 17; Meets with SpEd 5382; Meets with: 63127 SPED 5382; , 4 cr

**4433-Foundations in Special Education**

(Credit will not be granted if credit has been received for: SPED 5433; A-F only; prereq Min 45 cr, postbac grad or sped minor, no Grad School cr)  
 62950-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Nierengarten EdD, Gerry, 4 cr

**4435-Parent and Professional Communication and Collaboration**

(Credit will not be granted if credit has been received for: SPED 5435; A-F only; prereq 4433, 45 cr, postbac or sped minor or instr consent ; no Grad School cr)  
 62067-001 LEC, 08:00am-12:00pm S, EduE 17, 01/26/13-01/26/13, 08:00am-12:00pm S, EduE 17, 02/09/13-02/09/13, 08:00am-12:00pm S, EduE 17, 03/09/13-03/09/13, 08:00am-12:00pm S, EduE 17, 04/13/13-04/13/13, 08:00am-12:00pm S, EduE 17, 05/04/13-05/04/13; Course meets Saturday, Jan. 26, Feb. 9, Mar. 9, Apr. 13, May 4, 2013, with remaining course hours required in an online learning environment; Meets with SpEd 5435-001; Meets with: 61444 SPED 5435; Olson, Andrea Rae, 4 cr

64053-002 LEC, 01:00pm-05:00pm S, EduE 17, 01/26/13-01/26/13, 01:00pm-05:00pm S, EduE 17, 02/09/13-02/09/13, 01:00pm-05:00pm S, EduE 17, 03/09/13-03/09/13, 01:00pm-05:00pm S, EduE 17, 04/13/13-04/13/13, 01:00pm-05:00pm S, EduE 17, 05/04/13-05/04/13; Course meets Saturday, Jan. 26, Feb. 9, Mar. 9, Apr. 13, May 4, 2013, with remaining course hours required in an online learning environment; Meets with SpEd 4435-450, 5435-002 and 5435-450.; Meets with: 63971 SPED 4435, 64055 SPED 5435, 64056 SPED 5435; Olson, Andrea Rae, 4 cr

63971-450 LEC, 01:00pm-05:00pm S, EduE 17, 01/26/13-01/26/13, 01:00pm-05:00pm S, EduE 17, 02/09/13-02/09/13, 01:00pm-05:00pm S, EduE 17, 03/09/13-03/09/13, 01:00pm-05:00pm S, EduE 17, 04/13/13-04/13/13, 01:00pm-05:00pm S, EduE 17, 05/04/13-05/04/13; Registration for Maawaanjidiwag Cohort only. Course meets Saturday, Jan. 26, Feb. 9, Mar. 9, Apr. 13, May 4, 2013, with remaining course hours required in an online learning environment; Meets with SpEd 4435-002 and SpEd 5435-002, and SpEd 5435-450.; Meets with: 64053 SPED 4435, 64055 SPED 5435, 64056 SPED 5435; Olson, Andrea Rae, 4 cr

**4452-Academic Interventions for Students with Disabilities**

(Credit will not be granted if credit has been received for: SPED 5452; A-F only; prereq 4433, postbac or instr consent ; no Grad School cr)  
 63038-001 LEC, 05:00pm-08:15pm T, EduE 17; Meets with SpEd 5452. Additional course hours will be required in an online learning environment.; Meets with: 63039 SPED 5452; Nierengarten EdD, Gerry, 4 cr

**4600-Student Teaching**

(max crs 12; S-N only; prereq Postbac or instructor consent, no Grad School credit)  
 62068-001 PRC; , 12 cr  
 62177-002 PRC; , 12 cr  
 62178-003 PRC; , 12 cr  
 62301-004 PRC; , 6 cr  
 62302-005 PRC; , 6 cr  
 62303-006 PRC; , 6 cr  
 62304-007 PRC; , 3 cr  
 62308-008 PRC; , 3 cr

**4610-Professional Issues**

(S-N only; prereq No Grad School credit)  
 63593-001 LEC, 09:00am-01:00pm S, EduE 51, 04/13/13-04/13/13, 09:00am-01:00pm S, EduE 51, 04/20/13-04/20/13, 09:00am-01:00pm S, EduE 51, 04/27/13-04/27/13, 09:00am-01:00pm S, EduE 51, 05/04/13-05/04/13, instruction mode: Distance Education Other; Course will meet on Saturday, Apr. 13, Apr. 20, Apr. 27, and May 4, 2013, with remaining course hours required in an online learning environment.; Harney, Molly A, 1 cr

**4670-Professional Methods for Working with Individuals with Fetal Alcohol Spectrum**

(A-F only; prereq 4850 or instr consent)  
 63847-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Meets with: 63846 SPED 5870; Coffin-Langdon, Joanne, 4 cr

**5204-Assessment in the General and Special Education Classroom**

(Credit will not be granted if credit has been received for: SPED 4204; A-F only; prereq sped post-bac)  
 62538-001 LEC, 05:00pm-08:15pm M, EduE 17; meets with SpEd 4204; Meets with: 62537 SPED 4204; Dietrich, Jane Ellen; Han, Insoon, 4 cr

**5260-Language and Social Skills for Children and Youth with Autism Spectrum Disorders**

(Credit will not be granted if credit has been received for: SPED 4260; A-F only)  
 64457-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Hyppa Martin, Jolene K, 4 cr

**5351-Learning Disabilities Characteristics and Interventions**

(Credit will not be granted if credit has been received for: SPED 4351; A-F only; prereq 4433 or 5433, postbac or instr consent)  
 64060-001 LEC, 05:00pm-08:15pm Th, MonH 151; Course meets with SpEd 4351-001; Meets with: 64057 SPED 4351; , 4 cr

**5381-Classroom and Behavior Management**

(Credit will not be granted if credit has been received for: SPED 4381; A-F only; prereq 4433, postbac grad)  
 64062-001 LEC, 05:00pm-08:15pm T, MonH 151; Course meets with SpEd 4381-001; Meets with: 64059 SPED 4381; Hazareesingh, Nedra A; Hughes, Trudie Ann, 4 cr

**5382-Advanced Theory and Practice in Emotional/Behavioral Disorders**

(Credit will not be granted if credit has been received for: SPED 4382; A-F only; prereq 4433 or 5433 or instr consent)  
 63127-001 LEC, 05:00pm-08:15pm W, EduE 17; meets with SpEd 4382-001; Meets with: 63126 SPED 4382; , 4 cr

**5433-Foundations in Special Education**

(Credit will not be granted if credit has been received for: SPED 4433; prereq Postbac grad student)  
 62951-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Nierengarten EdD, Gerry, 4 cr

**5435-Parent and Professional Communication and Collaboration**

(Credit will not be granted if credit has been received for: SPED 4435; prereq 4433 or 5433, postbac grad or instr consent)  
 61444-001 LEC, 08:00am-12:00pm S, EduE 17, 01/26/13-01/26/13, 08:00am-12:00pm S, EduE 17, 02/09/13-02/09/13, 08:00am-12:00pm S, EduE 17, 03/09/13-03/09/13, 08:00am-12:00pm S, EduE 17, 04/13/13-04/13/13, 08:00am-12:00pm S, EduE 17, 05/04/13-05/04/13; Course meets Saturday, Jan. 26, Feb. 9, Mar. 9, Apr. 13, May 4, 2013, with remaining course hours required in an online learning environment; Meets with SpEd 4435-001.; Meets with: 62067 SPED 4435; Olson, Andrea Rae, 4 cr

64055-002 LEC, 01:00pm-05:00pm S, EduE 17, 01/26/13-01/26/13, 01:00pm-05:00pm S, EduE 17, 02/09/13-02/09/13, 01:00pm-05:00pm S, EduE 17, 03/09/13-03/09/13, 01:00pm-05:00pm S, EduE 17, 04/13/13-04/13/13, 01:00pm-05:00pm S, EduE 17, 05/04/13-05/04/13; Course meets Saturday, Jan. 26, Feb. 9, Mar. 9, Apr. 13, May 4, 2013-additional course hours will be required in an online learning environment; Meets with SpEd 4435-002, SpEd 4435-450,

and SpEd 5435-450.; Meets with: 63971 SPED 4435, 64053 SPED 4435, 64056 SPED 5435; Olson, Andrea Rae, 4 cr  
 64056-450 LEC, 01:00pm-05:00pm S, EduE 17, 01/26/13-01/26/13, 01:00pm-05:00pm S, EduE 17, 02/09/13-02/09/13, 01:00pm-05:00pm S, EduE 17, 03/09/13-03/09/13, 01:00pm-05:00pm S, EduE 17, 04/13/13-04/13/13, 01:00pm-05:00pm S, EduE 17, 05/04/13-05/04/13; Course meets Saturday, Jan. 26, Feb. 9, Mar. 9, Apr. 13, May 4, 2013—additional course hours will be required in an online learning environment; Meets with SpEd 4435-002, SpEd 4435-450, and SpEd 5435-002.; Meets with: 63971 SPED 4435, 64053 SPED 4435, 64055 SPED 5435; Olson, Andrea Rae, 4 cr

**5452-Academic Interventions for Students with Disabilities**  
 (Credit will not be granted if credit has been received for: SPED 4452; A-F only; prereq 4433 or 5433, postbac grad or instr consent)  
 63039-001 LEC, 05:00pm-08:15pm T, EduE 17; meets with SpEd 4452; Meets with: 63038 SPED 4452; Nierengarten EdD, Gerry, 4 cr

**5600-Student Teaching**  
 (max crs 12; 12 repeats allowed; S-N only; prereq Instructor consent; no Grad School credit)  
 61357-001 PRC, 6 cr

**5870-Professional Methods for Working with Fetal Alcohol Spectrum**  
 (A-F only; prereq 5850 or instr consent ; credit will not be granted if already received for 4870)  
 63846-350 LEC; (Online Instruction. Open CE reserved seats will be available to UMD students one week before the start of the semester. Initial course information will be sent to students via UMD email.); 2 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Meets with: 63847 SPED 4870; Coffin-Langdon, Joanne, 4 cr

**5991-Independent Study**  
 (max crs 6; 6 repeats allowed; A-F only; prereq dept consent)  
 61560-001 IND, 1-6 cr

**STATISTICS (Stat)**  
 140 SCC, 1117 University Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3000  
 218/726-8747, <http://www.d.umn.edu/math>

**Swenson College of Science & Engineering**

**1411-Introduction to Statistics**  
 (A-F only; prereq Math ACT 21 or higher or a grade of at least C- in SSP 0103 or dept consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)  
 61170-001 LEC, 11:00am-11:50am MWF, Chem 155; Green, Richard F, 3 cr

**2411-Statistical Methods**  
 (A-F only; prereq Math ACT 24 or higher or a grade of at least C- in Math 1005 or higher or dept consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)  
 63946-001 LEC, 10:00am-10:50am MWF, ABAH 235; Lynch, Miranda L, 3 cr  
 62982-002 LEC, 12:00pm-12:50pm MWF, ABAH 235; Lynch, Miranda L, 3 cr

**3411-Engineering Statistics**  
 (A-F only; prereq MATH 1297 with a grade of C- or better, cannot be applied to a math or statistics major)  
 62462-001 LEC, 10:00am-10:50am MWF, Cina 308; Duan, Mingqian, 3 cr  
 62811-002 LEC, 11:00am-11:50am MWF, Engr 290; Duan, Mingqian, 3 cr  
 63947-003 LEC, 02:00pm-02:50pm MWF, EduE 20; Gui, Wenhao, 3 cr

**3611-Introduction to Probability and Statistics**  
 (A-F only; prereq A grade of at least C- in Math 1290 or Math 1296)  
 61172-001 LEC, 09:00am-09:50am MTWF, Chem 155; Gui, Wenhao, 4 cr  
 61173-002 LEC, 10:00am-10:50am MWThF, Chem 251; Li, Xuan, 4 cr  
 61174-003 LEC, 11:00am-11:50am MWThF, EduE 50; Qi, Yongcheng, 4 cr

**4101-Actuarial Probability**  
 (S-N only; prereq 3611, Math 3298 a grade of C- or better is required in all prerequisite courses; credit cannot be applied to math major or minor; no Grad School cr)  
 63496-001 LEC, 12:00pm-01:50pm T, Chem 155; Green, Richard F, 1 cr

**5511-Regression Analysis**  
 (A-F only; prereq 3611, Math 3280 or Math 4326, a grade of C- or better in is required in all prerequisite courses)  
 -001 LEC, 12:00pm-12:50pm MW, Chem 155; Li, Xuan

61180-002 LAB, 12:00pm-12:50pm F, MonH 209; , 3 cr  
**5531-Probability Models**  
 (A-F only; prereq 3611, Math 1297 or Math 1597, a grade of C- or better in is required in all prerequisite courses)  
 61182-001 LEC, 11:00am-11:50am MWThF, Chem 251; James, Barry R, 4 cr

**5571-Probability**  
 (A-F only; prereq 3611, Math 3298, a grade of C- or better in is required in all prerequisite courses)  
 63862-001 LEC, 01:00pm-01:50pm MWThF, EduE 50; Green, Richard F, 4 cr

**5572-Statistical Inference**  
 (A-F only; prereq 5571 with a grade of C- or better)  
 61181-001 LEC, 01:00pm-01:50pm MWThF, Cina 202; Qi, Yongcheng, 4 cr

**8444-FTE: Doctoral**  
 (NGA; prereq Doctoral student, adviser and DGS consent)  
 61674-001 DRs; Regal, Ronald Ray, 1 cr

**8711-Statistics Seminar**  
 (S-N only; prereq 5572 with a grade of C- or better)  
 62356-001 SEM, 02:00pm-02:50pm MWF, Chem 251; James, Kang Ling, 3 cr

**8888-Thesis Credits: Doctoral**  
 (max crs 100; 10 repeats allowed; NGA; prereq max 18 cr per semester or summer; 24 cr required)  
 61710-001 THE; Regal, Ronald Ray, 1-24 cr

**SUPPORTIVE SERVICES PROGRAM (SSP)**  
 60 SCC, 1117 University Drive, Supportive Services Program, Duluth, MN, 55812-3011  
 218/726-7152, <http://www.d.umn.edu/student/ssp/>

**Student Life**

**103-Basic Mathematics and Introductory Algebra**  
 (S-N only; prereq [3 cr equiv]; Credit will not be received if credit granted for Math 1004; cannot apply cr toward a degree. (the preparatory course fee is equal to 3 credits of resident tuition))  
 63214-001 LEC, 12:00pm-12:50pm MWF, SCC 21; Niedzielski, Kate, 0 cr  
 66862-002 LEC, 01:00pm-01:50pm MWF, SCC 21; Zimmermann, Laura Joan, 0 cr  
 66863-003 LEC, 04:00pm-04:50pm MWF, SCC 21; Breckenridge, Rachel Bursheim, 0 cr

**1000-UMD Seminar**  
 (Credit will not be granted if credit has been received for: CLA 1001; max crs 2; A-F only)  
 60869-001 LEC, 11:00am-11:50am MW, BohH 112, 01/22/13-03/15/13; , 1-2 cr  
 60870-002 LEC, 03:00pm-03:50pm T, SCC 21; , 1-2 cr  
 62311-003 LEC, 11:00am-11:50am F, SCC 21; Jackson, Matthew, 1-2 cr  
 63054-004 LEC, 11:00am-11:50am TTh, SCC 120, 01/22/13-03/15/13; , 1-2 cr

**1052-College Writing Strategies**  
 (Credit will not be granted if credit has been received for: MED 1004; S-N only; prereq credit will not be granted if already received for WRIT 1120)  
 61918-001 LEC, 10:00am-11:50am MW, SCC 21, 01/22/13-03/15/13; Jackson, Matthew, 2 cr

**1054-College Study Strategies**  
 (Credit will not be granted if credit has been received for: MED 1003; S-N only; prereq .)  
 -001 LEC, 09:00am-09:50am MF, SCC 21, 01/22/13-03/15/13; Jackson, Matthew  
 61082-002 DIS, 09:00am-09:50am W, SCC 21, 01/22/13-03/15/13; Jackson, Matthew, 1 cr  
 61083-003 DIS, 09:00am-09:50am W, SCC 6, 01/22/13-03/15/13; Jackson, Matthew, 1 cr  
 61084-004 DIS, 09:00am-09:50am W, H 464, 01/22/13-03/15/13; Jackson, Matthew, 1 cr

**1101-Personal Development**  
 (A-F only)  
 -001 LEC, 11:00am-11:50am T, SCC 21; Strand, Jill R  
 61920-002 DIS, 11:00am-11:50am Th, SCC 6; Strand, Jill R, 2 cr  
 61921-003 DIS, 11:00am-11:50am Th, Chem 153; Strand, Jill R, 2 cr  
 61922-004 DIS, 11:00am-11:50am Th, EduE 9; Strand, Jill R, 2 cr  
 61923-005 DIS, 11:00am-11:50am Th, DAdB 16A; Strand, Jill R, 2 cr

**3001-Preparation for SSP Teaching Assistantship**  
 (max crs 3; S-N only; prereq instr consent)  
 60871-001 LEC, 09:00am-09:50am T, SCC 21, 09:00am-09:50am Th, SCC 21, 09:00am-09:50am Th, SCC 6; (TA training for SSP 1054 and 1101); Jackson, Matthew,

1-3 cr  
 61600-002 LEC, 01/22/13-03/15/13; (Special term: 01/16/2007 - 03/09/2007 (ICL TA training)), 1-3 cr  
 62715-003 LEC, 01/22/13-03/15/13; (Special term: 01/16/2007 - 03/09/2007 (ICL TA training)), 1-3 cr

**3002-SSP Teaching Assistantship Practicum**  
 (max crs 6; 6 repeats allowed; A-F only; prereq instr consent)  
 61561-001 PRC; (Study Strategies); Jackson, Matthew, 1-3 cr  
 61562-002 PRC; (Personal Development); Strand, Jill R, 1-3 cr  
 61607-003 PRC, 05:30pm-07:30pm MTWTh, SCC 21; (Supplemental Instruction for Biology); Jackson, Matthew, 1-3 cr  
 62036-004 PRC; (ICL); , 1-3 cr

**3003-Tutor Training: Individualization of Instruction**  
 (A-F; prereq instr consent)  
 61230-001 LEC, 02:00pm-03:50pm W, SCC 21; Strand, Jill R, 2 cr  
 61231-002 LEC, 10:00am-11:50am Th, SCC 21; Strand, Jill R, 2 cr  
 66861-003 LEC, 01:00pm-02:50pm T, SCC 21, 2 cr

**3004-Tutor Practicum**  
 (max crs 3; 3 repeats allowed; A-F; prereq 3003 or instr consent)  
 61216-001 PRC; (Global Languages); Strand, Jill R, 1-2 cr  
 61217-002 PRC; (Bus/Econ/Acct); Strand, Jill R, 1-2 cr  
 61218-003 PRC; (Chemistry); Strand, Jill R, 1-2 cr  
 61219-004 PRC; (Math); Strand, Jill R, 1-2 cr  
 61220-005 PRC; (Physics); Strand, Jill R, 1-2 cr  
 61221-006 PRC; (Writing); Strand, Jill R, 1-2 cr  
 61222-008 PRC; (Comp Sci); Strand, Jill R, 1-2 cr

**THEATRE (Th)**  
 141 MPAC, 1215 Ordean Court, School of Fine Arts, Duluth, MN, 55812-3011  
 218/726-8562, <http://www.d.umn.edu/theatre/>

**School of Fine Arts**

**1001-Introduction to Theatre Arts**  
 (A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT9)  
 61784-001 LEC, 11:00am-11:50am MWF, ABAH 225; Gundersheimer, Lee, 3 cr  
 62166-002 LEC, 12:00pm-12:50pm MWF, ABAH 225; (Open CE Reserve seats will be available to UMD students 01/10/2012); 1 seat reserved for Continuing Education; Grussendorf, Kelly Ann, 3 cr

**1071-Musical Theatre History**  
 (A-F only; meets DLE req of Humanities; meets LE req of LE CAT9)  
 60973-001 LEC, 03:30pm-04:45pm MW, ABAH 445; (Open CE Reserve seats will be available to UMD students 01/15/2013); 1 seat reserved for Continuing Education; Katz Harwood, Rebecca, 3 cr

**1111-Acting Fundamentals I**  
 (A-F only; prereq Not open to BFA Th majors; meets DLE req of Fine Arts; meets LE req of LE CAT10)  
 62696-001 STU, 10:00am-11:15am MWF, MPAC 21; (Open CE Reserve seats will be available to UMD students 01/10/2012); 1 seat reserved for Continuing Education; Cash, Beth Joy, 3 cr  
 62697-002 STU, 12:00pm-01:50pm TTh, MPAC 21; Gundersheimer, Lee, 3 cr

**1112-Acting I**  
 (A-F only; prereq 1801 or BFA Th major or instr consent)  
 60974-001 STU, 02:00pm-03:15pm MWF, MPAC 49; Jones, Matthew Austin, 3 cr  
 60975-002 STU, 10:00am-11:50am TTh, MPAC 49; Jones, Matthew Austin, 3 cr

**1116-Audition Techniques**  
 (A-F only; prereq instr consent)  
 60979-001 STU, 12:00pm-01:15pm MWF, MPAC 49; Bergeron, Ann Aiko, 3 cr  
 60980-002 STU, 02:00pm-03:50pm TTh, MPAC 49; Bergeron, Ann Aiko, 3 cr

**1199-Performance Practicum I**  
 (max crs 12; 12 repeats allowed; A-F only; prereq instr consent ; by audition only; meets LE req of LE CAT10)  
 66653-001 LAB; Bergeron, Ann Aiko; Isbell, Tom K; Katz Harwood, Rebecca; Ufema, Kate, 1 cr

**1299-Theatre Marketing/Management Practicum**  
 (max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)  
 62183-001 LAB; Dennis, Patricia; Harvey, Mark A, 2 cr

**1301-Stagecraft**  
 (A-F only; prereq 1801 or instr consent)  
 -001 LEC, 09:00am-09:50am MWF, BohH 343; (Practicum arr); Phillips, Curtis J  
 62101-002 LAB, 01:00pm-03:50pm MW, MPAC 130; Phillips,

Curtis J, 5 cr  
 62102-003 LAB, 02:00pm-04:50pm MW, . TBA; Meets in MPAC 130; Phillips, Curtis J, 5 cr  
 62103-004 LAB, 01:00pm-03:50pm TTh, MPAC 130; Phillips, Curtis J, 5 cr  
 62104-005 LAB, 02:00pm-04:50pm TTh, . TBA; Meets in MPAC 130; Phillips, Curtis J, 5 cr  
 62105-006 LAB, 01:00pm-03:50pm WF, . TBA; Meets in MPAC 130; Phillips, Curtis J, 5 cr  
 64407-007 LAB, 02:00pm-04:50pm WF, . TBA; Meets in MPAC 130; Phillips, Curtis J, 5 cr  
 64408-008 LAB, 01:00pm-03:50pm MF, . TBA; Meets in MPAC 130; Phillips, Curtis J, 5 cr  
 64410-009 LAB, 02:00pm-04:50pm MF, . TBA; Meets in MPAC 130; Phillips, Curtis J, 5 cr

**1399-Scenery and Properties Practicum**  
 (max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)  
 62184-001 LAB; Phillips, Curtis J, 2 cr

**1401-Costume Construction I**  
 (A-F only; prereq 1801 or instr consent)  
 -001 LEC, 09:00am-09:50am MWF, MPAC 30; (Practicum arr); Piotrowski, Laura Kay  
 62106-002 LAB, 10:00am-11:50am MWF, MPAC 30; Dennis, Patricia, 5 cr  
 62107-003 LAB, 01:00pm-02:50pm MWF, MPAC 30; Dennis, Patricia, 5 cr  
 62108-004 LAB, 03:00pm-04:50pm MWF, MPAC 30; Dennis, Patricia, 5 cr  
 62109-005 LAB, 10:00am-12:50pm TTh, MPAC 30; Dennis, Patricia, 5 cr  
 62167-006 LAB, 02:00pm-04:50pm TTh, . TBA; Dennis, Patricia, 5 cr

**1499-Costume Practicum**  
 (max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)  
 62194-001 LAB; Dennis, Patricia, 2 cr

**1501-Stage Lighting I**  
 (A-F only; prereq 1001 or 1801 or instr consent)  
 -001 LEC, 09:00am-09:50am MWF, MPAC 51; (Practicum arr); Boyle, Scott M  
 62371-002 PRC, 03:00pm-04:50pm MWF, MPAC 125; Boyle, Scott M, 4 cr  
 62372-003 PRC, 01:00pm-02:50pm MWF, MPAC 125; Boyle, Scott M, 4 cr  
 62373-004 PRC, 02:00pm-04:50pm TTh, MPAC 125; Boyle, Scott M, 4 cr

**1599-Lighting/Sound Practicum**  
 (max crs 3; 3 repeats allowed; A-F only; prereq Th major or minor)  
 62185-001 LAB; , 1 cr

**1601-Stage Management**  
 (A-F only)  
 62575-001 LEC, 12:00pm-12:50pm MWF, Chem 153; Harvey, Mark A, 3 cr

**1699-Running Crew Practicum**  
 (max crs 6; 3 repeats allowed; A-F only; prereq instr consent)  
 62193-001 LAB; Harvey, Mark A; ; Dennis, Patricia; Phillips, Curtis J, 2 cr

**2113-Acting III: Classical Styles**  
 (A-F only; prereq 2112 or instr consent)  
 61569-001 STU, 10:00am-11:15am MWF, MPAC 1; Ufema, Kate, 3 cr

**2114-Acting: Musical Theatre**  
 (A-F only; prereq instr consent)  
 61201-001 STU, 03:00pm-04:15pm MWF, MPAC 1; Ufema, Kate, 3 cr

**2119-Stage Dialects**  
 (A-F only; prereq instr consent)  
 61960-001 STU, 12:00pm-01:15pm MWF, MPAC 1; Ufema, Kate, 3 cr

**2851-Film History**  
 (A-F; prereq soph or instr consent)  
 62391-001 LEC, 02:00pm-03:50pm MW, H 403; Stanfield, Mark, 3 cr

**3111-Acting Fundamentals II**  
 (A-F only; prereq 1111 or 1112 or instr consent ; not open to BFA th majors)  
 62576-001 STU, 12:00pm-01:15pm MWF, MPAC 21; Cash, Beth Joy, 3 cr

**3171-Acting IV: Character/Masks**  
 (A-F only; prereq 60 cr, BFA Th major, instr consent)  
 62779-001 STU, 03:30pm-04:45pm MWF, MPAC 21; Jones, Matthew Austin, 3 cr

**3199-Performance Practicum II**  
 (max crs 12; 6 repeats allowed; A-F only; prereq instr consent ; by audition only)

66654-001 LAB; Bergeron, Ann Aiko; Isbell, Tom K; Katz Harwood, Rebecca; Ufema, Kate, 2 cr

**3301-Stagecraft II**  
 (max crs 9; 3 repeats allowed; A-F only; prereq 1301)  
 68718-001 STU, 12:00pm-01:50pm TTh, Room TBA, DULUTH, 3 cr

**3331-Scenic Design I**  
 (A-F only; prereq 1301 or instr consent)  
 61094-001 LEC, 12:00pm-01:50pm TTh, MPAC 51; Phillips, Curtis J, 3 cr

**3355-Computer-Aided Theatrical Design**  
 (A-F only; prereq 1301 or instr consent)  
 62569-001 LEC, 03:00pm-04:15pm MWF, MPAC 51; Phillips, Curtis J, 3 cr

**3401-Costume Construction II**  
 (A-F only; prereq 1401 or instr consent)  
 62570-001 LEC, 02:00pm-03:50pm TTh, MPAC 30; Dennis, Patricia, 3 cr

**3441-Costume Design I**  
 (A-F only; prereq 1401, 1801 or instr consent)  
 61097-001 LEC, 10:00am-11:50am TTh, MPAC 51; Dennis, Patricia, 3 cr

**3501-Advanced Digital Technology for the Theatre**  
 (A-F only; prereq 1501 or instr consent)  
 67932-001 STU, 08:30am-09:45am MWF, . TBA; Class will meet in MPAC 118; Harvey, Mark A, 3 cr

**3699-Production Management**  
 (max crs 12; 6 repeats allowed; A-F only; prereq instr consent)  
 62188-001 LAB; Harvey, Mark A; ; Dennis, Patricia; Phillips, Curtis J, 2 cr

**3851-Screenwriting**  
 (A-F only; prereq instr consent)  
 62705-001 LEC, 11:00am-11:50am MWF, DAdB 16A; Stanfield, Mark, 3 cr

**3991-Independent Study in Theatre**  
 (max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; undergrads max 6 cr in 3991 and 5991 combined)  
 61145-001 IND; Harvey, Mark A, 1-3 cr

**3995-Special Topics: (Various Titles to be Assigned)**  
 (max crs 9; 9 repeats allowed; A-F only; prereq instr consent)  
 68417-001 LEC, 02:00pm-03:50pm TTh, MPAC 1; Gunderheimer, Lee, 3 cr; T.Henrik Ibsen and the Birth of the Modern Theatre

**4171-Acting VI: Acting for the Camera**  
 (A-F only; prereq 4151 or instr consent ; no Grad School credit)  
 62247-001 STU, 12:00pm-01:50pm TTh, MPAC 49; Jones, Matthew Austin, 3 cr

**4399-Theatre: Special Projects**  
 (max crs 12; 12 repeats allowed; A-F only; prereq instr consent)  
 61154-001 DIS; Harvey, Mark A; ; Phillips, Curtis J; Dennis, Patricia, 1-2 cr

**4802-History of the Theatre II**  
 (A-F only; prereq 4801 or instr consent)  
 61155-001 LEC, 10:00am-10:50am MWF, Library 409; Grusendorf, Kelly Ann, 3 cr

**4901-Intern Teaching in Theatre**  
 (max crs 9; 3 repeats allowed; A-F only; prereq instr consent ; no Grad School credit)  
 61168-001 DIS; ; Isbell, Tom K; Harvey, Mark A; Katz Harwood, Rebecca; Ufema, Kate; Bergeron, Ann Aiko; Dennis, Patricia, 3 cr

**5991-Independent Study in Theatre**  
 (max crs 6; 6 repeats allowed; A-F only; prereq Sr, dept consent ; undergrads max 6 cr in 3991 and 5991 combined; no Grad School credit)  
 61169-001 IND; Harvey, Mark A, 1-3 cr

**5997-Internship in Professional Theatre**  
 (max crs 12; 12 repeats allowed; S-N only; prereq dept consent ; 1 cr for each 45 hrs work; no Grad School credit)  
 61171-001 IEX; Harvey, Mark A, 1-12 cr

**TOXICOLOGY (Txl)**  
 236 SMed, 135 University Drive, University of Minnesota Medical School Duluth, Duluth, MN, 55812-3011  
 218/726-8892, <http://www.d.umn.edu/medweb/toxicology/>

**Medical School - Duluth Campus**  
**5000-Directed Research in Toxicology**  
 (max crs 16; 16 repeats allowed; S-N only; prereq instr consent)  
 62434-001 LAB; Drewes, Lester R, 1-4 cr

**5012-Principles of Toxicology**  
 (A-F only; prereq Required: minimum one semester each of biochemistry, calculus and cell biology. Recommended: minimum one semester of human or animal physiology.)  
 64601-001 LEC, 3 cr

**5545-Introduction to Regulatory Medicine**  
 (A-F only; prereq Grad School student or instr consent)  
 62433-001 ROT; ITV course from the St. Paul Campus. Meets in SMed 263 from 5:30 pm-7:30 pm January 14, 15, 16, 17, 18, 22, 23, 24, 25. Additional class date TBA.; Drewes, Lester R, 2 cr

**8012-Advanced Toxicology I**  
 (A-F only; prereq 5011, Chem 4341 or instr consent)  
 62435-001 LEC; Drewes, Lester R, 3 cr

**8100-Investigative Toxicology**  
 (max crs 2; A-F only; prereq 8013 or instructor consent)  
 62470-001 SEM; Drewes, Lester R, 1 cr

**8333-FTE: Master's**  
 (NGA; prereq Master's student, adviser and DGS consent)  
 60850-001 DRS; Drewes, Lester R, 1 cr

**8444-FTE: Doctoral**  
 (NGA; prereq Doctoral student, adviser and DGS consent)  
 61675-001 DRS; Drewes, Lester R, 1 cr

**8666-Doctoral Pre-Thesis Credits**  
 (max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))  
 61682-001 THE; Drewes, Lester R, 1-6 cr

**8777-Thesis Credits: Master's**  
 (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))  
 61701-001 THE; Drewes, Lester R, 1-18 cr

**8888-Thesis Credits: Doctoral**  
 (max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
 61711-001 THE; Drewes, Lester R, 1-24 cr

**URBAN AND REGIONAL STUDIES (URS)**  
 329 Cina, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011  
 218/726-6300, <http://www.d.umn.edu/geog/>

**College of Liberal Arts**  
**1001-Introduction to Urban and Regional Studies**  
 (A-F; meets LE req of LE CATS)  
 62991-001 LEC, 02:00pm-02:50pm MWF, Cina 316; CE Reserved Seats are available to all UMD students on 01/15/13; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Pine, Adam Marc, 3 cr

**3097-Internship in Urban and Regional Studies**  
 (max crs 8; 8 repeats allowed; S-N; prereq URS major, jr or sr, instr consent)  
 60989-001 IEX; Pine, Adam Marc, 1-6 cr

**3991-Independent Study in Urban and Regional Studies**  
 (max crs 6; prereq instr consent)  
 62037-001 IND; Pine, Adam Marc, 1-4 cr

**WATER RESOURCES SCIENCE (WRS)**  
 207 RLB, 2205 East 5th Street, Swenson College of Science & Engineering, Duluth, MN, 55812-3011  
 218/726-8891

**Swenson College of Science & Engineering**  
**8060-Directed Studies in Water Resources Science**  
 (max crs 6; 6 repeats allowed; A-F only; prereq instr consent)  
 66269-001 DST, 1-3 cr

**8095-Plan B Project**  
 (S-N only; prereq Instructor consent)  
 66268-001 DST, 3 cr

**8333-FTE: Master's**  
 (NGA; prereq Master's student, adviser and DGS consent)  
 60851-001 DRS, 1 cr

**8444-FTE: Doctoral**  
 (NGA; prereq Doctoral student, adviser and DGS consent)  
 61676-001 DRS; , 1 cr

**8581-Research and Professional Ethics in Water Resources**

## and Environmental Science

(S-N; prereq Graduate student)  
64532-001 LEC; Day and time to be arranged. Class will meet in RLB 200.; , 0.50 cr

## 8666-Doctoral Pre-Thesis Credits

(max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))  
61683-001 THE; , 1-6 cr

## 8777-Thesis Credits: Master's

(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))  
61702-001 THE; , 1-18 cr

## 8888-Thesis Credits: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
61712-001 THE; , 1-24 cr

## WOMEN'S STUDIES (WS)

494 H, 1201 Ordean Court, College of Liberal Arts, Duluth, MN, 55812-3011  
218/726-7953, <http://www.d.umn.edu/ws>

## College of Liberal Arts

### 100-Introduction to Women's and Gender Studies

(A-F only; meets CD req of Cultural Diversity; meets DLE req of Cultural Diversity in the US; meets DLE req of Social Sciences; meets LE req of LE CAT7; meets LECD req of LECD CAT07)

62161-001 LEC, 02:00pm-03:15pm T, H 468; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Plechner, Deborah Marie, 3 cr

62936-002 LEC, 09:30am-10:45am TTh, Engr 118; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hoagland, George Quotidian, 3 cr

63044-003 LEC, 02:00pm-03:15pm Th, H 468; Class is 50% online and 50% face to face; therefore class meets once per week for 75 minutes in the classroom. For questions, contact the department at [wsumd@d.umn.edu](mailto:wsumd@d.umn.edu).; Plechner, Deborah Marie, 3 cr

66873-090 LEC, 05:30pm-06:45pm T, H 480; (Open CE reserved seats will be available to UMD students on 01/15/2013.); 8 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Plechner, Deborah Marie, 3 cr

### 2101-Women, Race, and Class

(A-F only; meets DLE req of Cultural Diversity in the US; meets DLE req of Social Sciences; meets LE req of LE CAT8; meets LECD req of LECD CAT08)

62175-090 LEC, 06:00pm-08:50pm Th, BohH 108; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); Schedule in H480.; 7 seats reserved for Continuing Education - EXPIRES 14-JAN-2013; Woodward, Susana Pelayo, 3 cr

### 3301-Women and Religion

(A-F; prereq 1000 or 2101 or 3150 or 3200 or 3400 or 3750 or 3775 or instr consent; meets DLE req of Global Perspectives)

63850-001 LEC, 09:30am-10:45am TTh, H 480; Bartlett, Beth Ann, 3 cr

### 3350-Women and the Law

(A-F only; prereq 1000 or 2101 or instr consent; meets DLE req of Cultural Diversity in the US)

68085-001 LEC, 03:30pm-04:45pm TTh, H 468; Plechner, Deborah Marie, 3 cr

### 3750-Voices of African Women

(A-F only; meets DLE req of Global Perspectives)

63045-001 LEC, 02:00pm-03:15pm MW, H 480.; , 3 cr

### 3800-Feminist Activism and Community Organizing

(A-F only; prereq 1000 or 2101)

64519-001 LEC, 03:30pm-04:45pm MW, H 480.; , 4 cr

### 3891-Independent Study

(max crs 6; A-F only; prereq 1000 or 2101, instr consent)  
61441-001 IND; Arrange with instructor prior to registration., 1-3 cr

### 3897-Internship

(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)

61440-001 IEX; Arrange with instructor prior to registration.,

1-9 cr

### 4000-Seminar

(A-F only; prereq 1000, 2101, 3100, 15 cr WS or WS-related courses, WS major or minor, or instr consent)  
60866-001 SEM, 12:00pm-01:50pm TTh, H 480; Bartlett, Beth Ann, 4 cr

### 5595-Special Topics: (Various Titles to Be Assigned)

(A-F only; prereq 1000, 2101, 3100, 90 cr or grad student or instr consent)  
68084-001 LEC, 05:00pm-07:40pm W, BohH 104; Hoagland, George Quotidian, 3 cr; TClass, Race & Gender in Literature

### 5897-Teaching Internship in Women's Studies

(max crs 4; S-N only; prereq 1000, 2101, 90cr, WS major, instr consent ; no Grad School credit)  
62219-001 IEX; Arrange with instructor prior to registration., 1-2 cr

## WRITING STUDIES (Writ)

420 H, 1201 Ordean Court, College of Liberal Arts, Duluth, MN, 55812-3011

218/726-8131, <http://www.d.umn.edu/writ/>

## College of Liberal Arts

### 1120-College Writing

(A-F only; prereq Students speaking English as a second language must have TOEFL score of 550; credit will not be granted if already received for COMP 1120; meets DLE req of Writing & Information Literacy; meets LE req of LE CAT1)

-001 LEC, 08:00am-08:50am MF, Cina 106; Hoberg, Gwendolyn

60728-002 LAB, 08:00am-08:50am W, H 470; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Hoberg, Gwendolyn, 3 cr

-003 LEC, 08:00am-08:50am MW, KPlz 385

60730-004 LAB, 08:00am-08:50am F, H 470.; , 3 cr

-005 LEC, 08:00am-08:50am WF, H 314; Klawiter, Alison Linnae

60732-006 LAB, 08:00am-08:50am M, H 470; Klawiter, Alison Linnae, 3 cr

-007 LEC, 08:00am-09:15am Th, KPlz 385; Lynch, Mike  
60734-008 LAB, 08:00am-09:15am T, H 470; Lynch, Mike, 3 cr

-009 LEC, 08:00am-09:15am T, KPlz 385; Groves, Katie  
60736-010 LAB, 08:00am-09:15am Th, H 470; Groves, Katie, 3 cr

-011 LEC, 09:00am-09:50am MW, BohH 112; Kemper, Megan Marie

60820-012 LAB, 09:00am-09:50am F, H 470; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Kemper, Megan Marie, 3 cr

-013 LEC, 09:00am-09:50am WF, KPlz 385; Carlson, Kendra Marie

60738-014 LAB, 09:00am-09:50am M, H 470; Carlson, Kendra Marie, 3 cr

-015 LEC, 09:00am-09:50am MF, KPlz 312; Matt, Aretha

60740-016 LAB, 09:00am-09:50am W, H 470; Matt, Aretha, 3 cr

-017 LEC, 09:00am-09:50am MF, Cina 308; Klawiter, Alison Linnae

60742-018 LAB, 09:00am-09:50am W, KPlz 143; Klawiter, Alison Linnae, 3 cr

-019 LEC, 09:30am-10:45am Th, KPlz 385; Reserved for non-native speakers of English; Gyendina, Mariya L

60744-020 LAB, 09:30am-10:45am T, H 470; Reserved for non-native speakers of English; Gyendina, Mariya L, 3 cr

-021 LEC, 09:30am-10:45am T, KPlz 385; Groves, Katie

60746-022 LAB, 09:30am-10:45am Th, H 470; Groves, Katie, 3 cr

-023 LEC, 10:00am-10:50am MF, MonH 208; Jungman, Lindsey Marie Fifield

60748-024 LAB, 10:00am-10:50am W, H 470; Jungman, Lindsey Marie Fifield, 3 cr

-025 LEC, 10:00am-10:50am MW, BohH 112; Montgomery, Jamie

60750-026 LAB, 10:00am-10:50am F, H 470; Montgomery, Jamie, 3 cr

-027 LEC, 10:00am-10:50am WF, H 480; Matt, Aretha

60752-028 LAB, 10:00am-10:50am M, H 470; Matt, Aretha, 3 cr

-029 LEC, 10:00am-10:50am MW, SSB 115; Klawiter, Alison Linnae

60754-030 LAB, 10:00am-10:50am F, KPlz 143; Klawiter, Alison Linnae, 3 cr

-031 LEC, 11:00am-11:50am MW, EduE 51; Carlson, Kendra Marie

60756-032 LAB, 11:00am-11:50am F, H 470; Carlson, Kendra Marie, 3 cr

-033 LEC, 11:00am-11:50am WF, H 403; Langreck, Seth A

60758-034 LAB, 11:00am-11:50am M, H 470; Langreck,

Seth A, 3 cr

-035 LEC, 11:00am-11:50am WF, Library 409  
60760-036 LAB, 11:00am-11:50am M, SSB 216.; , 3 cr  
-037 LEC, 11:00am-11:50am MF, BohH 346; Palokangas, Brenda Sue

60762-038 LAB, 11:00am-11:50am W, H 470; Palokangas, Brenda Sue, 3 cr

-039 LEC, 12:00pm-12:50pm MF, LSBE 165; Petit, Jordan B  
60764-040 LAB, 12:00pm-12:50pm W, H 470; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Petit, Jordan B, 3 cr

-041 LEC, 12:00pm-12:50pm WF, BohH 108; Brey, Betsy  
60766-042 LAB, 12:00pm-12:50pm M, H 470; Brey, Betsy, 3 cr

-043 LEC, 12:00pm-12:50pm MW, BohH 112; Gilbert Redman, Neal Thomas

60768-044 LAB, 12:00pm-12:50pm F, H 470; Gilbert Redman, Neal Thomas, 3 cr

-045 LEC, 01:00pm-01:50pm WF, H 480; Carlson, Kendra Marie

60770-046 LAB, 01:00pm-01:50pm M, H 470; Carlson, Kendra Marie, 3 cr

-047 LEC, 01:00pm-01:50pm MW, SSB 115; Matt, Aretha  
60772-048 LAB, 01:00pm-01:50pm F, H 470; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013; Matt, Aretha, 3 cr

-049 LEC, 01:00pm-01:50pm MF, H 403

60774-050 LAB, 01:00pm-01:50pm W, H 470.; , 3 cr

-051 LEC, 02:00pm-02:50pm MW, BohH 112

60776-052 LAB, 02:00pm-02:50pm F, H 470, 3 cr

-053 LEC, 02:00pm-02:50pm WF, LSBE 165; Lumen, Erika Lynne

60804-054 LAB, 02:00pm-02:50pm M, H 470; Lumen, Erika Lynne, 3 cr

-055 LEC, 02:00pm-02:50pm MF, MonH 70; Palokangas, Brenda Sue

60806-056 LAB, 02:00pm-02:50pm W, H 470; Palokangas, Brenda Sue, 3 cr

-057 LEC, 02:00pm-03:15pm T, LSBE 165  
60808-058 LAB, 02:00pm-03:15pm Th, H 470.; , 3 cr

-059 LEC, 02:00pm-03:15pm Th, LSBE 165; Groves, Katie  
60810-060 LAB, 02:00pm-03:15pm T, H 470; Groves, Katie, 3 cr

-061 LEC, 03:00pm-03:50pm MW, KPlz 385; Palokangas, Brenda Sue

60812-062 LAB, 03:00pm-03:50pm F, H 470; Palokangas, Brenda Sue, 3 cr

-063 LEC, 03:30pm-04:45pm T, BohH 112; Reserved for non-native speakers of English; Gyendina, Mariya L  
60814-064 LAB, 03:30pm-04:45pm Th, H 470; Reserved for non-native speakers of English; Gyendina, Mariya L, 3 cr

-065 LEC, 03:30pm-04:45pm Th, Cina 202  
60816-066 LAB, 03:30pm-04:45pm T, H 470; (Open CE Reserve seats will be available to UMD students 01/10/2012); 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013.; , 3 cr

-067 LEC, 03:30pm-04:45pm T, SpHC 207  
63416-068 LAB, 03:30pm-04:45pm Th, KPlz 143; CE Reserved Seats are available to all UMD students on 01/15/13.; 1 seat reserved for Continuing Education - EXPIRES 15-JAN-2013.; , 3 cr

### 1506-Literacy, Technology and Society

(A-F only; prereq Credit will not be granted if already received for Comp 1506.; meets DLE req of Humanities; meets LE req of LE CAT7)

60827-001 LEC, 01:00pm-01:50pm MWF, ABAH 245; 10 seats reserved for Writing Studies Major; Wolford, Rachel Marie, 3 cr

### 2506-Introduction to Writing Studies

(A-F only; prereq 1120)

63356-001 DIS, 11:00am-11:50am MWF, EduE 16; Beard, David Edward, 3 cr

### 3100-Advanced Writing: Language and Literature

(A-F only; prereq 1120, min 60 cr; credit will not be granted if already received for COMP 3100)

60818-001 LEC, 02:00pm-03:15pm TTh, KPlz 385; Horton, Lisa M, 3 cr

### 3110-Advanced Writing: Arts and Letters

(A-F only; prereq 1120 or equivalent, min 60 cr; credit will not be granted if already received for Comp 3110)

60777-001 LEC, 08:00am-08:50am MWF, H 468; Horton, Lisa M, 3 cr

60778-002 LEC, 09:00am-09:50am MWF, BohH 108; Horton, Lisa M, 3 cr

63940-003 LEC, 04:00pm-05:15pm MW, H 468; Stanfield, Mark, 3 cr

60835-200 INI; (Enrollment in closed sections may be possible with instructor consent. Permission numbers may be obtained at the instructor's discretion. Email [writNis@d.umn.edu](mailto:writNis@d.umn.edu) to request a permission number for the INI section if this course. Initial course informa-

tion will be sent to students via UMD email.); Horton, Lisa M, 3 cr

**3121-Advanced Writing: Business and Organizations**

(A-F only; prereq 1120 or equivalent, min 60 cr; credit will not be granted if already received for Comp 3121)  
 60799-001 LEC, 08:00am-08:50am MWF, H 403; Lynch, Mike, 3 cr  
 60800-002 LEC, 10:00am-10:50am MWF, H 468; Lynch, Mike, 3 cr  
 60801-003 LEC, 02:00pm-02:50pm MWF, LSBE 265; Wesner, Kearston, 3 cr  
 60828-004 LEC, 03:30pm-04:45pm TTh, KPlz 385; 25 seats reserved for LSBE students; 25 seats reserved for LSBE Students; Wesner, Kearston, 3 cr  
 60802-200 INI; (Enrollment in closed sections may be possible with instructor consent. Permission numbers may be obtained at the instructor's discretion. Email writNls@d.umn.edu to request a permission number for the INI section of this course. Initial course information will be sent to students via UMD email.); Lynch, Mike, 3 cr

**3130-Advanced Writing: Engineering**

(A-F only; prereq 1120 or equivalent, min 60 cr; credit will not be granted if already received for Comp 3130)  
 60779-001 LEC, 03:30pm-04:45pm TTh, HH 216; Rendahl, Merry, 3 cr  
 63941-002 LEC, 03:00pm-04:15pm MW, EduE 20; Wolford, Rachel Marie, 3 cr  
 68362-003 LEC, 08:00am-09:15am TTh, MonH 208; Rendahl, Merry, 3 cr  
 60780-200 INI; (Enrollment in closed sections may be possible with instructor consent. Permission numbers may be obtained at the instructor's discretion. Email writNls@d.umn.edu to request a permission number for the INI section of this course. Initial course information will be sent to students via UMD email.); Risdon, Kenneth C, 3 cr

**3140-Advanced Writing: Human Services**

(A-F only; prereq 1120 or equivalent, min 60 cr; credit will not be granted if already received for Comp 3140)  
 60781-001 LEC, 08:00am-08:50am MWF, H 464; Reserved for UECHstudents. Contact CEHSP Advising Services office.; Perala-Dewey, Susan Marie, 3 cr  
 60782-002 LEC, 09:00am-09:50am MWF, BohH 104; Reserved for IESE students. Contact CEHSP Advising Services office.; Perala-Dewey, Susan Marie, 3 cr  
 60783-003 LEC, 02:00pm-02:50pm MWF, KPlz 385; Gilbert Redman, Neal Thomas, 3 cr  
 60784-004 LEC, 08:00am-09:15am TTh, H 468; Perala-Dewey, Susan Marie, 3 cr  
 60785-005 LEC, 08:00am-09:15am TTh, H 403; Gyendina, Mariya L, 3 cr  
 60830-006 LEC, 03:30pm-04:45pm TTh, EduE 36; Gilbert Redman, Neal Thomas, 3 cr  
 60786-200 INI; (Enrollment in closed sections may be possible with instructor consent. Permission numbers may be obtained at the instructor's discretion. Email writNls@d.umn.edu to request a permission number for the INI section of this course. Initial course information will be sent to students via UMD email.); Perala-Dewey, Susan Marie, 3 cr

**3150-Advanced Writing: Science**

(A-F only; prereq 1120 or equivalent, min 60 cr; credit will not be granted if already received for COMP 3150)  
 60787-001 LEC, 08:00am-08:50am MWF, H 490; Peterson, Nancy J, 3 cr  
 60788-002 LEC, 09:00am-09:50am MWF, EduE 20; Peterson, Nancy J, 3 cr  
 60821-003 LEC, 01:00pm-01:50pm MWF, BohH 346; Peterson, Nancy J, 3 cr  
 60829-004 LEC, 02:00pm-02:50pm MWF, KPlz 312; Fuller, Robin Kristie, 3 cr  
 60831-005 LEC, 05:00pm-06:15pm MW, H 464; Rendahl, Merry, 3 cr  
 63211-006 LEC, 02:00pm-03:15pm TTh, MonH 208; Risdon, Kenneth C, 3 cr  
 64603-007 LEC, 03:30pm-04:45pm TTh, MonH 70; Risdon, Kenneth C, 3 cr  
 64604-008 LEC, 05:00pm-06:15pm TTh, Engr 280; Fuller, Robin Kristie, 3 cr  
 60789-200 INI; (Enrollment in closed sections may be possible with instructor consent. Permission numbers may be obtained at the instructor's discretion. Email writNls@d.umn.edu to request a permission number for the INI section of this course. Initial course information will be sent to students via UMD email.); Rendahl, Merry, 3 cr

**3160-Advanced Writing: Social Sciences**

(A-F only; prereq 1120 or equivalent, min 60 cr; credit will not be granted if already received for COMP 3160)  
 60790-001 LEC, 09:00am-09:50am MWF, LSBE 265; Rockwell, Avesa Isis, 3 cr

60791-002 LEC, 11:00am-11:50am MWF, BohH 104; Marunowski, Kenneth, 3 cr  
 60792-003 LEC, 01:00pm-01:50pm MWF, BohH 104; Marunowski, Kenneth, 3 cr  
 60793-004 LEC, 03:00pm-03:50pm MWF, Cina 106; Marunowski, Kenneth, 3 cr  
 60817-005 LEC, 08:00am-09:15am TTh, H 314; Rockwell, Avesa Isis, 3 cr  
 60836-006 LEC, 03:30pm-04:45pm TTh, EduE 50; Fuller, Robin Kristie, 3 cr  
 60794-200 INI; (Enrollment in closed sections may be possible with instructor consent. Permission numbers may be obtained at the instructor's discretion. Email writNls@d.umn.edu to request a permission number for the INI section of this course. Initial course information will be sent to students via UMD email.); , 3 cr

**4197-Internship in Writing**

(Credit will not be granted if credit has been received for: WRIT 5197; max crs 6; S-N; prereq instr consent , no Grad School cr)  
 63374-001 IEX, 1-3 cr

**4230-Web Design and Digital Culture**

(Credit will not be granted if credit has been received for: WRIT 5230; A-F only; prereq Min 30 cr, no Grad School cr)  
 63663-001 LAB, 11:00am-11:50am MWF, Library 118; Meets with: 60832 WRIT 5230; Wolford, Rachel Marie, 3 cr

**4250-New Media Writing**

(Credit will not be granted if credit has been received for: WRIT 5250; A-F only; prereq minimum 60 cr, no Grad School cr)  
 63363-001 LEC, 10:00am-10:50am MWF, Library 118; Meets with: 63222 WRIT 5250; Stroupe, Craig, 3 cr

**4290-Advanced Web Design and Digital Culture**

(Credit will not be granted if credit has been received for: WRIT 5290; A-F only; prereq 4230, minimum 60 cr, no Grad School cr)  
 64471-001 LEC; Meets with: 64472 WRIT 5290, 3 cr

**4300-Research Methods for the Study of Writing**

(Credit will not be granted if credit has been received for: WRIT 5300; A-F only; prereq 1120, min 60 cr, no Grad School cr)  
 63662-001 LEC, 09:00am-09:50am MWF, ABAH 235; Meets with: 63886 WRIT 5300; Beard, David Edward, 3 cr

**4506-Capstone Course: Senior Portfolio Preparation**

(S-N only; prereq Min 90 cr, writing studies major)  
 63357-001 SEM, 11:00am-11:50am Th, H 480; Stroupe, Craig, 1 cr

**4591-Independent Study**

(Credit will not be granted if credit has been received for: WRIT 5591; max crs 6; 6 repeats allowed; A-F only; prereq instr consent , no Grad School cr)  
 63661-001 IND, 1-3 cr

**5197-Internship in Writing**

(Credit will not be granted if credit has been received for: WRIT 4197; max crs 3; 3 repeats allowed; S-N; prereq instr consent , Coll Grad or Grad School student)  
 60795-001 IEX, 1-3 cr

**5230-Web Design and Digital Culture**

(Credit will not be granted if credit has been received for: WRIT 4230; A-F only; prereq Credit will not be granted if already received for Comp 5230, Coll Grad or Grad student)  
 60832-001 LAB, 11:00am-11:50am MWF, Library 118; Meets with: 63663 WRIT 4230; Wolford, Rachel Marie, 3 cr

**5250-New Media Writing**

(Credit will not be granted if credit has been received for: WRIT 4250; A-F only; prereq Credit will not be granted if already received for WRIT 4250, Grad School student)  
 63222-001 LEC, 10:00am-10:50am MWF, Library 118; Meets with: 63363 WRIT 4250; Stroupe, Craig, 3 cr

**5290-Advanced Web Design and Digital Culture**

(Credit will not be granted if credit has been received for: WRIT 4290; A-F only; prereq Credit will not be granted if already received for Comp 5290, 5230, Coll Grad or Grad School student)  
 64472-001 LEC; Meets with: 64471 WRIT 4290, 3 cr

**5300-Research Methods for the Study of Writing**

(Credit will not be granted if credit has been received for: WRIT 4300; A-F only; prereq Coll Grad or Grad student)  
 63886-001 LEC, 09:00am-09:50am MWF, ABAH 235; Meets with: 63662 WRIT 4300; Beard, David Edward, 3 cr

**5591-Independent Study**

(Credit will not be granted if credit has been received for: WRIT 4591; max crs 6; 6 repeats allowed; A-F only; prereq College grad or grad school, credit will not be granted if already received for Comp 5991, max 3 cr may be applied to Grad School prog, instr consent)  
 60796-001 IND, 1-3 cr

**8910-Practicum in Teaching Writing**

(max crs 4; A-F only; prereq Credit will not be granted if already received for Engl 8910 or Comp 8910, instr consent)  
 60798-001 PRC; , 1-4 cr

**8994-Directed Research in Writing Studies**

(max crs 3; 3 repeats allowed; A-F only; prereq Credit will not be granted if already received for Comp 8994; 8902; instr consent)  
 60797-001 DRS; , 1-3 cr  
 68350-002 DRS; Beard, David Edward, 1-3 cr