

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. Like-wise, a prerequisite reading “6 cr” means 6 credits in courses offered by the same department. See your college or department for further information. Departments and colleges may use the registration system to help place certain categories of qualified students into courses or sections on a priority basis (seniors, majors, etc.). If you meet all stated prerequisites for the course, including class standing, you may also need to meet other qualifications established at the time of registration. For this reason, it is helpful to think about first and second course choices.

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

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

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

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

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

Liberal Education Program (LEP) – Liberal Education is an essential part of your undergraduate education at the University of Minnesota. (DLE) or (LE) courses help you investigate the world from new perspectives, learn ways of thinking that will be useful to you in many areas of your life, and grow as an active citizen and lifelong learner. If you are unsure which requirements apply to you, contact your academic adviser. For more information see <http://d.umn.edu/onestop/degree-planning/lib-eds/>

No Time or Place – When hours and days or the place of meeting are missing, consult the instructor or department offering the course.

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

Example 1

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

Example 2

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

Example 3

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

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

Course Changes – See 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 Minimum 15 credits or college consent)
- 62047 001 LEC, instruction mode: Correspondence; (LSBE students); Meets with: 62569 ACCT 2001; , 3 cr
- 62569 002 LEC, instruction mode: Correspondence; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Meets with: 62047 ACCT 2001; , 3 cr
- 62048 003 LEC, 02:00pm-02:50pm MWF, LSBE 125, instruction mode: Classroom; (LSBE students); Meets with: 62570 ACCT 2001; Erickson, Loren L, 3 cr
- 62570 004 LEC, 02:00pm-02:50pm MWF, LSBE 125, instruction mode: Classroom; (Non-LSBE students) (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Meets with: 62048 ACCT 2001; Erickson, Loren L, 3 cr
- 62049 005 LEC, 09:30am-10:45am TTh, LSBE 125, instruction mode: Classroom; (LSBE students); Meets with: 62571 ACCT 2001; Salmela, Karen Ellen, 3 cr
- 62571 006 LEC, 09:30am-10:45am TTh, LSBE 125, instruction mode: Classroom; Meets with: 62049 ACCT 2001; Salmela, Karen Ellen, 3 cr
- 62810 007 LEC, 02:00pm-03:15pm TTh, LSBE 129, instruction mode: Classroom; (LSBE students); Meets with: 62811 ACCT 2001; , 3 cr
- 62811 008 LEC, 02:00pm-03:15pm TTh, LSBE 129, instruction mode: Classroom; (Non-LSBE students); Meets with: 62810 ACCT 2001; , 3 cr

2002 Principles of Managerial Accounting

- (A-F; prereq 2001, LSBE student or college consent)
- 62054 001 LEC, instruction mode: Correspondence; Jones, Janet R., 3 cr
- 62055 002 LEC, 03:30pm-04:45pm TTh, LSBE 125, instruction mode: Classroom; Salmela, Karen Ellen, 3 cr
- 62056 003 LEC, 08:00am-08:50am MWF, LSBE 129, instruction mode: Classroom; Erickson, Loren L, 3 cr
- 62057 004 LEC, 01:00pm-01:50pm MWF, LSBE 129, instruction mode: Classroom; Erickson, Loren L, 3 cr
- 62058 005 LEC, 12:30pm-01:45pm TTh, LSBE 125, instruction mode: Classroom; Salmela, Karen Ellen, 3 cr

3001 Technology Tools in Accounting

- (A-F; prereq LSBE candidate)
- 63751 001 LEC, 04:00pm-04:50pm W, LSBE 237, instruction mode: Classroom; Erickson, Loren L, 1 cr
- 64705 002 LEC, 03:30pm-04:20pm Th, LSBE 237, instruction mode: Classroom; Erickson, Loren L, 1 cr

3101 Intermediate Accounting I

- (A-F; prereq LSBE candidate or non-LSBE accounting minor or college consent)
- 62748 001 LEC, 03:00pm-03:50pm MWF, LSBE 229, instruction mode: Classroom; (LSBE candidates); Meets with: 62752 ACCT 3101; Hsiao, Daniel, 3 cr
- 62752 002 LEC, 03:00pm-03:50pm MWF, LSBE 229, instruction mode: Classroom; (Non-LSBE Acct minors); Meets with: 62748 ACCT 3101; Hsiao, Daniel, 3 cr

3102 Intermediate Accounting II

- (A-F; prereq A grade of C or better in 3101, LSBE candidate or non-LSBE accounting minor or college consent)
- 61961 001 LEC, 12:00pm-12:50pm MWF, LSBE 225, instruction mode: Classroom; (LSBE candidates); Meets with: 62572 ACCT 3102; Reichert, Charles J, 3 cr
- 62572 002 LEC, 12:00pm-12:50pm MWF, LSBE 225, instruction mode: Classroom; (Non-LSBE Acct minors); Meets with: 61961 ACCT 3102; Reichert, Charles J, 3 cr
- 63638 003 LEC, 02:00pm-02:50pm MWF, LSBE 225, instruction mode: Classroom; (LSBE candidates); Meets with: 63639 ACCT 3102; Reichert, Charles J, 3 cr
- 63639 004 LEC, 02:00pm-02:50pm MWF, LSBE 225, instruction mode: Classroom; (Non-LSBE Acct minors); Meets with: 63638 ACCT 3102; Reichert, Charles J, 3 cr

3201 Cost Accounting

- (A-F; prereq LSBE candidate or non-LSBE accounting minor or college consent)
- 62111 001 LEC, 08:00am-09:15am TTh, LSBE 229, instruction mode: Classroom; (LSBE candidates); Meets with: 62573 ACCT 3201; Brannan PhD, Rodger L, 3 cr
- 62573 002 LEC, 08:00am-09:15am TTh, LSBE 229, instruction mode: Classroom; (Non-LSBE Acct minors); Meets with: 62111 ACCT 3201; Brannan PhD, Rodger L, 3 cr

3301 Accounting Information Systems

- (A-F; prereq LSBE candidate or non-LSBE accounting minor or college consent; credit will not be granted if already

- received for 3110.)
 - 62660 001 LEC, 10:00am-10:50am MWF, LSBE 237, instruction mode: Classroom; (LSBE candidates); Meets with: 62661 ACCT 3301; Hsiao, Daniel, 3 cr
 - 62661 002 LEC, 10:00am-10:50am MWF, LSBE 237, instruction mode: Classroom; (Non-LSBE Acct minors); Meets with: 62660 ACCT 3301; Hsiao, Daniel, 3 cr
 - 66281 003 LEC, 12:00pm-12:50pm MWF, LSBE 237, instruction mode: Classroom; Meets with: 66292 ACCT 3301; Hsiao, Daniel, 3 cr
 - 66292 004 LEC, 12:00pm-12:50pm MWF, LSBE 237, instruction mode: Classroom; Meets with: 66281 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 candidate or approved non-LSBE accounting minor or college consent)
 - 63260 001 LEC, 02:00pm-03:15pm TTh, LSBE 125, instruction mode: Classroom; (LSBE candidates); Meets with: 63267 ACCT 3401; Skalberg, Randy, 3 cr
 - 63267 002 LEC, 02:00pm-03:15pm TTh, LSBE 125, instruction mode: Classroom; (Non-LSBE Acct minors); Meets with: 63260 ACCT 3401; Skalberg, Randy, 3 cr

3705 Volunteer Income Tax Assistance

- (max crs 3; S-N; prereq department consent, 2 credit first registration, 1 credit repeat; credit will not be granted if already received for 3096)
- 63968 001 FWK, 05:00pm-07:30pm TTh, LSBE 125, instruction mode: Independent/Directed Studies; Reichert, Charles J, 1-2 cr

3796 Internship in Accounting

- (max crs 6; 3 repeats allowed; S-N; prereq 3101, department consent; repeatable for a max of 6 credits; 3 repeats allowed; max 2 credits may be applied to Active Learning Experience.)
- 62263 001 FWK, instruction mode: Independent/Directed Studies; Skalberg, Randy, 2-6 cr

3991 Independent Study

- (max crs 3; 3 repeats allowed; A-F; prereq BAc candidate with 80 cr, department consent; credit not available as accounting elective; may take ACCT 3191 and 3991 for a total of 3 credits.)
- 62172 001 IND, instruction mode: Independent/Directed Studies; Skalberg, Randy, 1-3 cr

4101 Auditing

- (A-F; prereq 3102, 3110 or 3301, LSBE candidate or college consent; no grad credit; credit will not be granted if already received for 4160.)
- 64327 001 LEC, 10:00am-10:50am MWF, LSBE 229, instruction mode: Classroom; Jones, Janet R., 3 cr
- 64326 002 LEC, 11:00am-11:50am MWF, LSBE 229, instruction mode: Classroom; Jones, Janet R., 3 cr

4501 Advanced Accounting

- (A-F; prereq 3102, LSBE candidate or college consent)
- 64328 001 LEC, 10:00am-10:50am MWF, LSBE 265, instruction mode: Classroom; , 3 cr

4505 International Accounting

- (A-F; prereq 3102, LSBE candidate or college consent)
- 63969 001 LEC, 11:00am-12:15pm TTh, LSBE 265, instruction mode: Classroom; Brannan PhD, Rodger L, 3 cr

AEROSPACE STUDIES (Air)

Swenson College of Science & Engineering

100 AFROTC GMC Leadership Laboratory

- (S-N only)
- 62713 001 LAB, 06:15am-07:45am Th, DAdB 16A, instruction mode: Classroom; Meets with: 63379 AIR 1000, 63380 AIR 3001; Goehring, Mark Eugene, 0 cr

1000 AFROTC GMC Lead Lab

- (max crs 4; 4 repeats allowed; S-N only)
- 63379 001 LAB, 06:15am-07:45am Th, DAdB 16A, instruction mode: Classroom; Meets with: 62713 AIR 100, 63380 AIR 3001; Goehring, Mark Eugene, 1 cr

1102 Foundations of the U.S. Air Force

- (A-F only)
- 61902 001 LEC, 07:00am-07:50am T, TBA, instruction mode: Classroom; Goehring, Mark Eugene, 1 cr
- 64251 002 LEC, 08:00am-08:50am T, DAdB 16A, instruction mode: Classroom; Goehring, Mark Eugene, 1 cr

1591 Leadership Practicum

- (max crs 4; 4 repeats allowed; A-F only)
- 61917 001 FWK, instruction mode: Independent/Directed Studies; Fischbach, Karl Christian, 1-4 cr

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

- (A-F only)
- 61915 001 LEC, 07:00am-07:50am W, TBA, instruction mode: Classroom; Fischbach, Karl Christian, 1 cr

3001 AFROTC POC Lead Lab

- (max crs 8; 4 repeats allowed; S-N only)
- 63380 001 LAB, 06:15am-07:45am Th, DAdB 16A, instruction mode: Classroom; Meets with: 62713 AIR 100, 63379 AIR 1000; Goehring, Mark Eugene, 2 cr

3102 Air Force Leadership Studies

- (A-F only)
- 61919 001 LEC, 04:00pm-06:50pm W, DAdB 16A, instruction mode: Classroom; Fischbach, Karl Christian, 3 cr

3591 Leadership Practicum

- (max crs 4; 4 repeats allowed; A-F only)
- 61918 001 FWK, instruction mode: Independent/Directed Studies; Fischbach, Karl Christian, 1-4 cr

4102 National Security Affairs, Preparation for Active Duty

- (A-F only; prereq No grad credit)
- 61920 001 LEC, 04:00pm-06:50pm T, DAdB 16A, instruction mode: Classroom; Goehring, Mark Eugene, 3 cr

AFRICAN AND AFRICAN AMERICAN STUDIES (AAAS)

College of Liberal Arts

1103 Introduction to Africa

- (Credit will not be granted if credit has been received for: EDUC 1103; A-F only; prereq Credit will not be granted if already received for AAAS 1100; meets DLE req of Global Perspectives)
- 64794 001 LEC, 05:00pm-06:15pm TTh, Cina 224, instruction mode: Classroom; 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; meets DLE req of Cultural Diversity in the US)
- 67705 001 LEC, 02:00pm-03:15pm TTh, Cina 106, instruction mode: Classroom; Martin, Cory Charles, 3 cr

3202 African Story-Telling and Folklore

- (Credit will not be granted if credit has been received for: EDUC 3202; A-F only)
- 64795 001 LEC, 04:00pm-06:40pm W, Cina 224, instruction mode: Classroom; Mweti, Chang'aa, 3 cr

3305 African American Cinema

- (A-F only)
- 67707 001 LEC, instruction mode: Classroom; Woodward, David James, 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)
- 62199 001 LEC, 11:00am-11:50am MWF, EduE 16, instruction mode: Classroom; Doerfler, Jill May, 3 cr
- 63801 002 LEC, 12:00pm-12:50pm MWF, ABAH 245, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Doerfler, Jill May, 3 cr

1104 Beginning Ojibwe II

- (A-F; prereq 1103 or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LECD req of LECD CAT03)
- 62164 001 LEC, 02:00pm-02:50pm TTh, MWAH 191, instruction mode: Classroom; Smallwood, Larry, 3 cr

2104 Intermediate Ojibwe II

- (A-F; prereq 2103 or instructor 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)
- 64183 001 LEC, 03:00pm-03:50pm TTh, EduE 50, instruction mode: Classroom; Smallwood, Larry, 3 cr

2210 American Indian Politics: Law, Sovereignty, and Treaty Rights

- (prereq Credit will not be granted if already received for 2110.; meets DLE req of Cultural Diversity in the US; meets DLE req of Social Sciences; meets LE req of LE CAT6)
- 67624 001 LEC, 05:00pm-07:30pm T, Cina 106, instruction mode: Classroom; Stark, Jason Todd, 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

- CATS)
64184 001 LEC, 10:00am-10:50am MWF, Room TBA, DULUTH, instruction mode: Classroom; Grover, Linda LeGarde, 3 cr
- 3393 Projects in American Indian Studies**
(max crs 10; 10 repeats allowed; A-F; prereq 1020, 1120, minimum 30 credits, instructor consent; maximum 10 credits between AMIN 3300 and 3393)
62201 001 IND, instruction mode: Independent/Directed Studies; Johnson Esq, Tadd Mathew, 1-5 cr
- 3410 Fur Trade in Canada and the United States**
(A-F; prereq minimum 30 credits; meets DLE req of Cultural Diversity in the US)
65325 001 LEC, 06:00pm-08:40pm M, Cina 308, instruction mode: Classroom; Woodward, David James, 3 cr
- 3420 American Indians in Sports**
(A-F only; prereq 30 credits; credit will not be granted if already received for 3110.; meets DLE req of Cultural Diversity in the US; meets LE req of LE CAT7; meets LECD req of LECD CAT07)
67607 001 LEC, 01:00pm-01:50pm MWF, Cina 106, instruction mode: Classroom; Grover, Linda LeGarde, 3 cr
- 3660 American Indian Novel**
(A-F; prereq 1020, 1120 or instructor 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)
68431 001 LEC, 02:00pm-03:15pm TTh, BohH 346, instruction mode: Classroom; Grover, Linda LeGarde, 3 cr
- 3995 Special Topics: (Various Title to be Assigned)**
(max crs 12; 4 repeats allowed; A-F; prereq minimum 30 credits)
68579 001 LEC, instruction mode: Correspondence; This survey course will introduce students to the basic components of tribal administration and governance; including, the historical context of tribal/federal government relations, the impact of federal policy upon tribal sovereignty and governance through 1934, the evolution of tribal government after the Indian Reorganization Act of 1934, and present day tribal government structures and operations; Minnema, Edward Yasuda, 3 cr; T:Introduction to Tribal Administration Governance
- 3997 Internship in American Indian Studies**
(max crs 12; 3 repeats allowed; A-F; prereq Amln major, 60 credits or instructor consent)
62202 001 FWK, instruction mode: Independent/Directed Studies; Johnson Esq, Tadd Mathew, 4-8 cr
- 4191 Senior Study of Ojibwe Language**
(max crs 12; 12 repeats allowed; A-F; prereq 1103, instructor consent; no grad credit; a total of 12 credits may be taken between AMIN 4191 and AMIN 4302)
68586 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr
- 4990 Directed Research**
(max crs 12; 12 repeats allowed; A-F; prereq 60 credits and instructor consent, max 8 credits to grad program)
62203 001 IND, instruction mode: Independent/Directed Studies; Grover, Linda LeGarde, 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; \$50.00 course fee in addition to tuition)
63755 001 LEC, 11:00am-11:50am MWF, EduE 51, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; Small MS, Justin M., 3 cr
63756 002 LEC, 01:00pm-01:50pm MWF, EduE 51, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; Coffin-Langdon, Joanne, 3 cr
64975 003 LEC, 02:00pm-02:50pm MWF, EduE 51, instruction mode: Classroom; Coffin-Langdon, Joanne, 3 cr
64976 004 LEC, 03:30pm-04:45pm TTh, EduE 51, instruction mode: Classroom; Small MS, Justin M., 3 cr
64977 005 LEC, 06:00pm-08:40pm T, EduE 51, instruction mode: Classroom; , 3 cr

- 2002 Beginning American Sign Language II**
(A-F only; prereq 2001 or instructor 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; \$50.00 course fee in addition to tuition)
62261 001 LEC, 09:00am-09:50am MWF, EduE 51, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Coffin-Langdon, Joanne, 3 cr
63273 002 LEC, 10:00am-10:50am MWF, EduE 51, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Coffin-Langdon, Joanne, 3 cr
63630 003 LEC, 02:00pm-02:50pm MWF, BohH 108, instruction mode: Classroom; Small MS, Justin M., 3 cr
64979 004 LEC, 06:00pm-08:40pm W, MonH 151, instruction mode: Classroom; , 3 cr
- 3003 Intermediate American Sign Language I**
(A-F only; prereq 2002 or instructor consent; credit will not be granted if already received for CSD 5003; meets DLE req of Oral Communication & Languages; \$50.00 course fee in addition to tuition)
63966 001 LEC, 02:00pm-03:15pm TTh, EduE 17, instruction mode: Classroom; Diener EdD, Nancy McFarlin, 3 cr
- 3004 Intermediate American Sign Language II**
(A-F only; prereq 3003 or instructor consent; credit will not be granted if already received for CSD 5004; meets DLE req of Oral Communication & Languages; \$50.00 course fee in addition to tuition)
63535 001 LEC, 10:00am-10:50am MWF, EduE 17, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Diener EdD, Nancy McFarlin, 3 cr
64980 002 LEC, 06:00pm-08:40pm M, EduE 51, instruction mode: Classroom; Diener EdD, Nancy McFarlin, 3 cr
- 4005 Advanced American Sign Language**
(A-F only; prereq 3004 or instructor consent; no grad credit; credit will not be granted if already received for CSD 4005; meets DLE req of Oral Communication & Languages; \$50.00 course fee in addition to tuition)
64335 001 LEC, 02:00pm-03:15pm TTh, EduE 51, instruction mode: Classroom; Small MS, Justin M., 3 cr
- 4100 Linguistics of American Sign Language**
(A-F; prereq 3004 or instructor consent, no grad credit)
65369 001 LEC, 06:00pm-08:40pm T, EduE 17, instruction mode: Classroom; Diener EdD, Nancy McFarlin, 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)
64654 001 LEC, 09:30am-10:45am TTh, EduE 51, instruction mode: Classroom; Diener EdD, Nancy McFarlin, 3 cr
- 4110 Deaf Culture**
(A-F; prereq 3004 or instructor consent, no grad credit)
63655 001 LEC, 06:00pm-08:40pm M, MonH 121, instruction mode: Classroom; Coffin-Langdon, Joanne, 3 cr
- 4298 American Sign Language Skill Building Workshop**
(A-F only; prereq 2002 or instructor consent, no grad credit)
63757 001 LEC, 03:00pm-03:50pm M, MonH 121, instruction mode: Classroom; Small MS, Justin M., 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

- 1604 Cultural Anthropology**
(A-F only; meets DLE req of Global Perspectives; meets DLE req of Social Sciences; meets LE req of LE CAT6; meets LEIP req of LEIP CAT06)
65322 001 LEC, 10:00am-11:50am TTh, LSci 175, instruction mode: Classroom; Jones, Jennifer Elaine, 4 cr
- 2001 Career Development in Anthropology**
(A-F; prereq 1602 or 1604 or equivalent, or instructor consent)
68832 001 LEC, 02:00pm-02:50pm MW, Cina 214, instruction mode: Classroom, 2 cr
- 3628 Women in Cross-Cultural Perspective**
(A-F only; prereq 1604, minimum 30 credits)
68582 001 LEC, 12:30pm-01:45pm MW, Cina 214, instruction mode: Classroom; Edminster, Avigdor A N, 3 cr
- 3632 Latin American Cultures**
(A-F only; prereq 1604, minimum 30 credits)
65079 001 LEC, 10:00am-11:15am TTh, Room TBA,

- DULUTH, instruction mode: Classroom; Syring PhD, David, 3 cr
- 3635 Peoples and Cultures of Europe**
(A-F only; prereq minimum 30 credits)
64628 001 LEC, 02:00pm-03:15pm TTh, Cina 214, instruction mode: Partially Online; Roufs, Tim, 3 cr
- 3640 What is a City?: Archaeological Perspectives on Urbanism**
(A-F only; prereq Min 30 cr or instructor consent)
67801 001 LEC, 08:00am-09:15am TTh, Cina 214, instruction mode: Classroom; Jones, Jennifer Elaine, 3 cr
- 3691 Independent Study in Anthropology**
(max crs 10; A-F only; prereq Minimum 60 credits or instructor consent)
64044 001 IND, instruction mode: Independent/Directed Studies; Jones, Jennifer Elaine, 1-5 cr
- 3888 Anthropology of Food**
(A-F; prereq minimum 30 credits; meets DLE req of Sustainability)
64626 001 LEC, 03:30pm-04:45pm TTh, Cina 214, instruction mode: Partially Online; Roufs, Tim, 3 cr
- 4616 Culture and Personality**
(A-F only; prereq 1604, min 60 cr)
63653 001 LEC, 11:00am-12:15pm TTh, Cina 214, instruction mode: Partially Online; Roufs, Tim, 3 cr
- 4623 Anthropology and Contemporary Human Problems**
(A-F only; prereq 1604, minimum 60 credits)
68583 001 LEC, 03:00pm-04:15pm MW, Cina 214, instruction mode: Classroom; Edminster, Avigdor A N, 3 cr
- 4653 Senior Seminar**
(A-F only; prereq 1604, minimum 90 credits or instructor consent; no grad credit)
61890 001 LEC, 12:30pm-01:45pm TTh, Cina 214, instruction mode: Classroom; Syring PhD, David, 3 cr
- 4654 Biological Anthropology**
(A-F only; prereq 1602, minimum 60 credits)
67802 001 LEC, 08:00am-08:50am MWF, Cina 214, instruction mode: Classroom; Kuhlke, Kari Lynne, 3 cr
- 4655 Forensic Anthropology**
(A-F only; prereq 1602, minimum 60 credit; no grad credit)
001 LEC, 10:00am-10:50am MWF, Cina 214, instruction mode: Classroom; Kuhlke, Kari Lynne; Mulholland, Susan Collins
67806 002 LAB, 09:30am-10:50am T, Cina 214, instruction mode: Classroom; Kuhlke, Kari Lynne; Mulholland, Susan Collins, 4 cr
68578 003 LAB, 09:30am-10:50am Th, Cina 214, instruction mode: Classroom; Kuhlke, Kari Lynne; Mulholland, Susan Collins, 4 cr
- 4691 Independent Study in Anthropology**
(max crs 5; 5 repeats allowed; A-F only; prereq Minimum 60 credits or instructor consent, no grad credit)
61945 001 IND, instruction mode: Independent/Directed Studies; Jones, Jennifer Elaine, 1-5 cr
- 4697 Anthropology Internship**
(max crs 6; S-N only; prereq instructor consent, no grad credit)
62774 001 FWK, instruction mode: Independent/Directed Studies; Jones, Jennifer Elaine, 2-6 cr
- 4699 Honors Project**
(max crs 4; A-F only; prereq 1604, instructor consent; no grad credit; meets HON req of Honors)
62364 001 IND, instruction mode: Independent/Directed Studies; Jones, Jennifer Elaine, 2-4 cr
- 4910 Teaching Assistantship in Anthropology**
(max crs 3; 3 repeats allowed; A-F; prereq Minimum 60 credits, instructor consent, no grad credit; maximum 3 credits between ANTH 4997 and 4910)
62762 001 FWK, instruction mode: Independent/Directed Studies; 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 credits in art courses, pre-graphic design major or department consent)
62720 001 DIS, instruction mode: Classroom; Kmetz, Janice D, 0 cr
- 902 Studio Art Portfolio Review**
(S-N; prereq 15 credits in art courses, pre-studio art major or department consent)
67488 001 DIS, instruction mode: Classroom; Nakajima, Ryuta, 0 cr

University of Minnesota – Class Schedule for Duluth Campus

Spring 2015

- 903 Art Education Portfolio Review**
(S-N only; prereq (repeatable one time), 9 credits in art courses, pre-art education major or department consent)
62892 001 DIS, instruction mode: Classroom; Benzer, Fatih, 0 cr
credit will not be granted if already received for 3125)
- 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)
68042 001 LEC, 12:00pm-01:40pm MW, ABAH 125, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Kalstrom, Jeffrey Scott, 3 cr
68263 002 LEC, 02:00pm-03:40pm MW, ABAH 125, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Kalstrom, Jeffrey Scott, 3 cr
- 1003 Introduction to Design**
(A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT9)
63839 050 LEC, instruction mode: Correspondence; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Wittig, Rob, 3 cr
- 1010 Drawing I**
(A-F only; prereq Art or art education major or art minor or architecture and design minor or instructor consent)
62837 001 LEC, 12:00pm-01:55pm MW, ABAH 325, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Murphy, Robin Marie, 3 cr
63531 002 LEC, 08:00am-09:55am TTh, ABAH 325, instruction mode: Classroom; Christine, Jayme, 3 cr
63743 003 LEC, 02:00pm-03:55pm TTh, ABAH 325, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Christine, Jayme, 3 cr
- 1011 2-D Design**
(A-F only; prereq Art or art education major or pre GDM BFA, or GDM BFA or pre MGD BBA or MGD BBA or art minor or instructor consent)
62721 001 LEC, 10:00am-11:55am MW, ABAH 125, instruction mode: Classroom; Murphy, Robin Marie, 3 cr
64226 002 LEC, 12:00pm-01:55pm TTh, ABAH 125, instruction mode: Classroom; Murphy, Robin Marie, 3 cr
64448 003 LEC, 02:00pm-03:55pm TTh, ABAH 125, instruction mode: Classroom; Murphy, Robin Marie, 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 education major or architecture and design studies minor or instructor consent)
63174 001 LEC, 05:00pm-08:50pm M, ABAH 135, instruction mode: Classroom; Ramon, Cecilia, 3 cr
63225 002 LEC, 08:00am-09:55am TTh, ABAH 135, instruction mode: Classroom; Suh, Eun-Kyung, 3 cr
64787 003 LEC, 12:00pm-01:55pm TTh, ABAH 135, instruction mode: Classroom; Suh, Eun-Kyung, 3 cr
64791 004 LEC, 04:00pm-07:50pm T, ABAH 135, instruction mode: Classroom; Ramon, Cecilia, 3 cr
- 1013 2-D Digital Design**
(A-F only; prereq Art or art education major or pre GDM BFA or GDM BFA or pre MGD BBA or MGD BBA or art minor or photography minor or arts in media minor or instructor consent. Laptop required; digital instruction presented only on the Mac platform.)
62670 001 LEC, 12:00pm-01:55pm MW, MonH 108, instruction mode: Classroom; Olin, Matthew Graham, 3 cr
62722 002 LEC, 02:00pm-03:55pm MW, MonH 108, instruction mode: Classroom; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Hunt, Betsy Janelle, 3 cr
62830 003 LEC, 04:00pm-05:55pm MW, MonH 108, instruction mode: Classroom; Olin, Matthew Graham, 3 cr
63846 004 LEC, 12:00pm-01:55pm TTh, MonH 108, instruction mode: Classroom; Kalstrom, Jeffrey Scott, 3 cr
65188 005 LEC, 02:00pm-03:55pm TTh, MonH 108, instruction mode: Classroom; Kalstrom, Jeffrey Scott, 3 cr
- 1125 Watercolor I**
(A-F only; prereq 1002 or 1010 or instructor consent)
64817 001 LEC, 04:00pm-07:50pm W, ABAH 125, instruction mode: Classroom; Meets with: 64818 ART 1126; Benzer, Fatih, 3 cr
- 1126 Watercolor II**
(max crs 6; A-F only; prereq 1125 or instructor consent)
- 1305 Social Multiples: Availability and Circulation**
(A-F only; meets DLE req of Fine Arts)
64889 001 LEC, 02:00pm-03:55pm MW, H 332, instruction mode: Classroom; Houser, Darren James, 3 cr
- 1605 Fundamentals of Photography**
(Credit will not be granted if credit has been received for: ART 2600, ART 1600, ART 1607; A-F only; prereq Not for art majors or minors; meets DLE req of Fine Arts; meets LE req of LE CAT10)
65255 001 LEC, 05:00pm-08:50pm M, C1na 16, instruction mode: Classroom; Pearcy, Wanda 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)
62803 001 LEC, instruction mode: Correspondence; (Open UST reserved seats will be available to all students on 01/14/14); 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)
62988 001 LEC, 09:30am-10:45am TTh, H 314, instruction mode: Classroom; 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 education major, pre-art education major or pre-graphic design major, or art minor or architecture and design studies minor or instructor consent; credit will not be granted if already received for 1014 or 3014; \$71.75 course fee in addition to tuition)
64372 001 LAB, 10:00am-11:55am MW, KPlz 143, instruction mode: Classroom; Suh, Eun-Kyung, 3 cr
- 2016 Digital Arts: Mixed-Media Studio**
(max crs 6; A-F only; prereq 1013, art or art education major, pre-art education major or pre-graphic design major, or art or photography minor or instructor consent; credit will not be granted if already received for 3016)
62510 001 LEC, 12:00pm-01:55pm MW, ABAH 335, instruction mode: Classroom; Rock, Joellyn Jean, 3 cr
67742 002 LEC, 02:00pm-03:55pm MW, ABAH 335, instruction mode: Classroom; 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 instructor consent; credit will not be granted if already received for 3030)
63747 001 LEC, 10:00am-11:55am TTh, ABAH 335, instruction mode: Classroom; Hunt, Betsy Janelle, 3 cr
64677 002 LEC, 12:00pm-01:55pm TTh, ABAH 335, instruction mode: Classroom; Hunt, Betsy Janelle, 3 cr
- 2040 Digital Filmmaking: Visual Narratives**
(A-F only; prereq 1013 or film minor or instructor consent)
64845 001 LAB, 02:00pm-05:50pm T, ABAH 335, instruction mode: Classroom; Rock, Joellyn Jean, 3 cr
- 2100 Painting I**
(A-F only; prereq 1006 or 1009 or 1010, 1011, art or art education major or art minor or instructor consent; credit will not be granted if already received for 1100)
61956 001 LEC, 12:00pm-01:55pm MW, H 318, instruction mode: Classroom; Nakajima, Ryuta, 3 cr
62723 002 LEC, 10:00am-11:55am TTh, H 318, instruction mode: Classroom; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Christine, Jayme, 3 cr
- 2200 Sculpture I**
(A-F only; prereq 1015 or 1012, art or art education major or art minor or instructor consent; credit will not be granted if already received for 1200)
63183 001 LEC, 10:00am-11:55am MW, ABAH 145, instruction mode: Classroom; Bowen, David W, 3 cr
65178 002 LEC, 08:00am-09:55am TTh, ABAH 145, instruction mode: Classroom; Bowen, David W, 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 education major or art minor or instructor consent)
64902 001 LEC, 10:00am-11:55am MW, H 332, instruction mode: Classroom; Repinski, Robert A, 3 cr
- 2301 Printmaking I: Litho, Screen**
(A-F only; prereq 1006 or 1009 or 1010, 1011, art or art education major or art minor or instructor consent; credit will not be granted if already received for 1301)
- 2400 Ceramics I**
(A-F only; prereq 1012, art or art education major or art minor or instructor consent; credit will not be granted if already received for 1400)
61949 001 LEC, 12:00pm-01:55pm TTh, ABAH 155, instruction mode: Classroom; (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 instructor consent)
62067 001 LEC, 08:00am-09:55am MW, C1na 16, instruction mode: Classroom; Pless, Kristen Marie, 3 cr
63226 002 LEC, 08:00am-09:55am TTh, C1na 16, instruction mode: Classroom; Pless, Kristen Marie, 3 cr
64487 003 LEC, 10:00am-11:55am TTh, C1na 16, instruction mode: Classroom; Pless, Kristen Marie, 3 cr
- 2810 Art in Elementary Education**
(A-F only; prereq pre-Elementary education major; meets DLE req of Fine Arts; meets LE req of LE CAT10)
64042 001 LAB, 10:00am-11:55am MW, H 331, instruction mode: Classroom; Benzer, Fatih, 3 cr
64043 002 LAB, 12:00pm-01:55pm MW, H 331, instruction mode: Classroom; Benzer, Fatih, 3 cr
64622 003 LAB, 10:00am-11:55am TTh, H 331, instruction mode: Classroom; Aune, Alison Judith, 3 cr
- 2911 Graphic Design I**
(A-F only; prereq 2905, 2907, graphic design major or GDM BFA or MGD BBA or instructor consent; laptop required; digital instruction presented only on the Mac platform.)
62039 001 LEC, 10:00am-11:55am MW, MonH 239, instruction mode: Classroom; Wittig, Rob, 3 cr
62707 002 LEC, 12:00pm-01:55pm MW, MonH 209, instruction mode: Classroom; Short, David John Roy, 3 cr
63290 003 LEC, 08:00am-09:55am TTh, MonH 206, instruction mode: Classroom; Olin, Matthew Graham, 3 cr
67752 004 LEC, 10:00am-11:55am TTh, MonH 206, instruction mode: Classroom; Olin, Matthew Graham, 3 cr
- 3100 Painting II**
(max crs 9; 3 repeats allowed; A-F only; prereq 2100, art or art education major, pre-art education major or pre-graphic design major, or art minor or instructor consent; max 9 credits)
61957 001 LEC, 02:00pm-03:55pm MW, H 318, instruction mode: Classroom; Meets with: 61958 ART 4100; Nakajima, Ryuta, 3 cr
- 3214 Sculpture II: Robotics and Physical Computing**
(max crs 6; A-F only; prereq 2200, art or art education major or art minor or instructor consent)
65179 001 LAB, 02:00pm-03:55pm MW, ABAH 145, instruction mode: Classroom; Bowen, David W, 3 cr
- 3300 Printmaking II**
(max crs 6; A-F only; prereq 2300 or 2301, art or art education major or art minor or instructor consent)
63748 001 LEC, 10:00am-11:55am TTh, H 332, instruction mode: Classroom; Meets with: 63749 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)
64842 001 LAB, 10:00am-11:55am TTh, ABAH 125, instruction mode: Classroom; Houser, Darren James, 3 cr
- 3400 Ceramics II**
(max crs 6; A-F only; 2400 or instr consent; 2400 or instr consent)
61950 001 LEC, 02:00pm-03:55pm TTh, ABAH 155, instruction mode: Classroom; Meets with: 61951 ART 4400; James, Elizabeth J, 3 cr
- 3425 Ceramics II Wheel Throwing**
(A-F only; prereq 2400, art or art education major or art minor or instructor consent)
63188 001 LEC, 02:00pm-03:55pm MW, ABAH 155, instruction mode: Classroom; 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 instructor consent)
62068 001 LEC, 12:00pm-01:55pm TTh, C1na 16, instruction mode: Classroom; Pearcy, Wanda J, 3 cr
64211 002 LEC, 02:00pm-03:55pm TTh, C1na 16, instruction mode: Classroom; Pearcy, Wanda J, 3 cr
- 3615 Photography: Inventing with Light**
(A-F only; prereq 1013, 1607 or 2600, pre-DAP or Studio

This information is accurate as of: 09/22/2014

University of Minnesota – Class Schedule for Duluth Campus

Spring 2015

- DAP major or Photography minor or instructor consent)
64896 001 LAB, 10:00am-11:55am MW, MPAC 154, instruction mode: Classroom; Pless, Kristen Marie, 3 cr
- 3700 Drawing II**
(max crs 6; A-F only; prereq 1006 or 1009 or 1010, art or art education major, pre-art education major or pre-graphic design major, or art minor or instructor consent)
63744 001 LEC, 10:00am-11:55am MW, ABAH 325, instruction mode: Classroom; Houser, Darren James, 3 cr
63745 002 LEC, 02:00pm-03:55pm MW, ABAH 325, instruction mode: Classroom; Repinski, Robert A, 3 cr
- 3715 Figure Drawing**
(A-F; prereq 3700, art or art education or graphic design major or art minor or instructor consent)
63439 001 LAB, 04:00pm-07:50pm T, ABAH 325, instruction mode: Classroom; Christine, Jayme, 3 cr
- 3809 Art in Elementary Education Methods**
(A-F only; prereq 0903, art education candidate)
63374 001 LEC, 12:00pm-01:55pm TTh, H 331, instruction mode: Classroom; Aune, Alison Judith, 3 cr
- 3811 Teacher as Artist: Postmodern Theory and Practice**
(A-F only; prereq 0903, [3809 or 3810], Art education major or instructor consent)
63657 001 LEC, 02:00pm-03:55pm MW, H 331, instruction mode: Classroom; Dietrich, Jennifer Lee, 3 cr
- 3907 Typography II**
(A-F only; prereq 2907, graphic design major or GDM BFA or MGD BBA or instructor consent; laptop required; digital instruction presented only on the Mac platform.; \$71.75 course fee in addition to tuition)
67732 001 LAB, 02:00pm-03:55pm MW, KAML 118, instruction mode: Classroom; Bardolph, Steve, 3 cr
67733 002 LAB, 12:00pm-01:55pm TTh, MonH 239, instruction mode: Classroom; Bardolph, Steve, 3 cr
67734 003 LAB, 02:00pm-03:55pm TTh, MonH 239, instruction mode: Classroom; Bardolph, Steve, 3 cr
- 3933 Graphic Design III**
(A-F only; prereq 3922, graphic design major or GDM BFA or MGD BBA or instructor consent; laptop required; digital instruction presented only on the Mac platform.)
62040 001 LEC, 12:00pm-01:55pm MW, MonH 206, instruction mode: Classroom; Kmetz, Janice D, 3 cr
62775 002 LEC, 02:00pm-03:55pm MW, MonH 206, instruction mode: Classroom; Kmetz, Janice D, 3 cr
63556 003 LEC, 12:00pm-01:55pm TTh, MonH 206, instruction mode: Classroom; O'Neill, John Leonard, 3 cr
- 4040 Digital Filmmaking: Advanced Projects**
(max crs 9; 3 repeats allowed; A-F; prereq 2040 or 3040 or instructor consent)
64846 001 LAB, 10:00am-11:55am MW, ABAH 335, instruction mode: Classroom; Hunt, Betsy Janelle, 3 cr
- 4100 Painting III**
(max crs 9; 3 repeats allowed; A-F only; prereq 3100, art or art education major or art minor or instructor consent; no grad credit)
61958 001 LEC, 02:00pm-03:55pm MW, H 318, instruction mode: Classroom; Meets with: 61957 ART 3100; Nakajima, Ryuta, 3 cr
- 4191 Individual Study in Painting**
(max crs 9; 9 repeats allowed; A-F only; prereq Two semesters painting, instructor consent; no grad credit)
61959 001 IND, instruction mode: Independent/Directed Studies; Nakajima, Ryuta, 1-3 cr
- 4291 Individual Study in Sculpture**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 semesters sculpture, instructor consent; no grad credit)
65180 001 IND, instruction mode: Independent/Directed Studies; Bowen, David W, 1-3 cr
- 4300 Printmaking III**
(max crs 6; A-F only; prereq 3300, art or art education major or art minor or instructor consent)
63749 001 LEC, 10:00am-11:55am TTh, H 332, instruction mode: Classroom; Meets with: 63748 ART 3300; Repinski, Robert A, 3 cr
- 4391 Individual Study in Printmaking**
(max crs 9; 9 repeats allowed; A-F only; prereq 3300, department consent)
64283 001 IND, instruction mode: Independent/Directed Studies; Repinski, Robert A, 1-3 cr
- 4400 Ceramics III**
(max crs 6; A-F only; prereq 3400, art or art education major or art minor or instructor consent; no grad credit)
61951 001 LEC, 02:00pm-03:55pm TTh, ABAH 155, instruction mode: Classroom; Meets with: 61950 ART 3400; James, Elizabeth J, 3 cr
- 4491 Individual Study in Ceramics**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 semesters ceramics, department consent)
65429 001 IND, instruction mode: Independent/Directed Studies; 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 instructor consent)
62069 001 LEC, 10:00am-11:55am MW, Cina 16, instruction mode: Classroom; Brush, Gloria DeFilippis, 3 cr
- 4650 Alternative Processes Portfolio**
(max crs 9; 3 repeats allowed; A-F; prereq 3600, art or art education major or photography minor or instructor consent)
63443 001 LAB, 12:00pm-03:50pm M, Room TBA, DULUTH, instruction mode: Classroom; Pearcy, 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 instructor consent)
63445 001 LAB, 02:00pm-03:55pm MW, Cina 16, instruction mode: Classroom; Brush, Gloria DeFilippis, 3 cr
- 4691 Individual Study in Photography**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 semesters of photography, department consent)
62511 001 IND, instruction mode: Independent/Directed Studies; Brush, Gloria DeFilippis, 1-3 cr
- 4700 Drawing III**
(max crs 6; A-F only; prereq 3700, art or art education major or art minor or instructor consent)
63746 001 LEC, 10:00am-11:55am TTh, ABAH 325, instruction mode: Classroom; Nakajima, Ryuta, 3 cr
- 4812 Senior Seminar**
(A-F only; prereq Senior or instructor consent; no grad credit)
62383 001 LEC, 10:00am-11:15am MW, ABAH 345, instruction mode: Classroom; Dietrich, Jennifer Lee, 3 cr
- 4813 Senior Seminar II: Studio Practice**
(A-F only; prereq 4812, Senior or instructor consent, studio art-general major; no grad credit)
63446 001 LEC, 09:30am-10:45am TTh, MonH 208, instruction mode: Classroom; Dietrich, Jennifer Lee, 3 cr
65168 002 LEC, 02:00pm-03:15pm TTh, MonH 208, instruction mode: Classroom; Dietrich, Jennifer Lee, 3 cr
- 4899 Senior Presentation/Exhibition**
(A-F only; prereq Senior art major, instructor consent; no grad credit)
62074 001 LAB, instruction mode: Classroom; Nakajima, Ryuta, 1 cr
- 4903 Art Education Student Teaching Seminar**
(A-F only; prereq Art ed major and Educ 4500, EdSe 4600, EEd 4650; concurrent registration is required; no grad credit)
63742 001 LEC, 04:00pm-04:50pm Th, H 331, instruction mode: Classroom; Benzer, Fatih; Aune, Alison Judith, 1 cr
- 4905 Design Technology II**
(A-F only; prereq 2905, graphic design major or GDM BFA or MGD BBA or instructor consent; laptop required; digital instruction presented only on the Mac platform.)
62671 001 LEC, 12:00pm-01:55pm MW, KAML 118, instruction mode: Classroom; Lehman, Victoria Dahlstrom, 3 cr
62838 002 LEC, 10:00am-11:55am MW, MonH 108, instruction mode: Classroom; Lehman, Victoria Dahlstrom, 3 cr
63450 003 LEC, 08:00am-09:55am TTh, MonH 108, instruction mode: Classroom; Lehman, Victoria Dahlstrom, 3 cr
67741 004 LEC, 10:00am-11:55am TTh, MonH 108, instruction mode: Classroom; Lehman, Victoria Dahlstrom, 3 cr
- 4908 Interactive Design I**
(max crs 6; A-F only; prereq 3922, graphic design major or GDM BFA or MGD BBA or digital art and photography emphasis or Grad Student or instructor consent; credit will not be granted if already received for 5909; laptop required; digital instruction presented only on the Mac platform.)
62839 001 LEC, 10:00am-11:55am MW, KAML 118, OFF-CAMPUS, instruction mode: Correspondence; Waisman, Mariana Marta, 3 cr
63241 002 LEC, 10:00am-11:55am TTh, KAML 118, OFF-CAMPUS, instruction mode: Correspondence; Waisman, Mariana Marta, 3 cr
63311 003 LEC, 02:00pm-03:55pm TTh, KAML 118, OFF-CAMPUS, instruction mode: Correspondence; Waisman, Mariana Marta, 3 cr
- 4933 Senior Design Studio II**
(max crs 6; A-F only; prereq 4922 or instructor consent, no grad credit)
63309 001 LEC, 02:00pm-03:55pm TTh, MonH 206, instruction mode: Classroom; Short, David John Roy, 3 cr
63310 002 LEC, 04:00pm-05:55pm TTh, MonH 206, instruction mode: Classroom; Short, David John Roy, 3 cr
- 4955 Graphic Design V**
(A-F only; prereq 3933, no grad credit)
65247 001 LEC, 10:00am-11:55am MW, MonH 206, instruction mode: Classroom; Short, David John Roy, 3 cr
67750 002 LEC, 04:00pm-07:50pm W, MonH 206, instruction mode: Classroom; O'Neill, John Leonard, 3 cr
- 5991 Independent Study in Graphic Design**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 semesters work in graphic design and graphic design major and instructor consent)
62379 001 IND, instruction mode: Independent/Directed Studies; Kmetz, Janice D, 1-3 cr
62840 002 IND, instruction mode: Independent/Directed Studies; Bardolph, Steve, 1-3 cr
63725 003 IND, instruction mode: Independent/Directed Studies; Waisman, Mariana Marta, 1-3 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)
62841 001 LEC, 10:00am-10:50am MWF, MonH 80, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Roslak, Robyn, 3 cr

2300 The City as a Work of Art

(A-F; meets DLE req of Humanities; meets LE req of LE CAT9; meets LEIP req of LEIP CAT09)
65088 001 LEC, 09:30am-10:45am TTh, Room TBA, DULUTH, instruction mode: Classroom; Webb, Jennifer, 3 cr

2380 A Global History of Contemporary Art

(A-F only)
65089 001 LEC, 09:30am-10:45am TTh, ABAH 345, instruction mode: Classroom; Ratliff, Jamie L., 3 cr

3150 Contemporary Global Exhibition

(A-F only)
67479 001 LEC, 02:00pm-03:15pm TTh, ABAH 345, instruction mode: Classroom; Ratliff, Jamie L., 3 cr

3330 Renaissance Painting and Sculpture

(A-F only; meets DLE req of Humanities)
62724 001 LEC, 11:00am-12:15pm TTh, ABAH 345, instruction mode: Classroom; Webb, Jennifer, 3 cr

3340 Baroque and Rococo Art

(A-F only)
64371 001 LEC, 12:30pm-01:45pm TTh, ABAH 345, instruction mode: Classroom; Webb, Jennifer, 3 cr

3360 European Art in an Age of Revolution

(A-F only)
67692 001 LEC, 09:00am-09:50am MWF, ABAH 345, instruction mode: Classroom; Roslak, Robyn, 3 cr

4491 Directed Study in 19th- and 20th-Century European Art

(max crs 9; 9 repeats allowed; A-F only; prereq Graduate Student or instructor consent; max 6 credits for undergrads, max 9 credits for grad)
67480 001 IND, instruction mode: Independent/Directed Studies; Roslak, Robyn, 1-4 cr

4620 History of Photography

(A-F only; prereq 2390 or 3370 or art or art education major or communication arts or photography minor or instructor consent)
64018 001 LEC, 12:00pm-01:15pm MW, ABAH 345, instruction mode: Classroom; Brush, Gloria DeFilippis, 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 instructor consent)
62041 001 LEC, 03:30pm-04:45pm TTh, H 314, instruction mode: Partially Online; Wittig, Rob, 3 cr

4999 Senior Paper Art History

(A-F only; prereq Major in ArtH with 90 credits, instructor consent, no grad credit)
62827 001 IND, instruction mode: Independent/Directed Studies; Roslak, Robyn, 1 cr
62842 002 IND, instruction mode: Independent/Directed Studies; Webb, Jennifer, 1 cr

67481 003 IND, instruction mode: Independent/Directed Studies; Ratliff, Jamie L., 1 cr

ASTRONOMY (Ast)
371 MWAH, 1023 University Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3009
218/726-8385, <http://www.d.umn.edu/physics>

Swenson College of Science & Engineering

1040 Introductory Astronomy
(A-F only; meets DLE req of Natural Sciences; meets LE req of LE CAT5)
62990 001 LEC, 11:00am-11:50am MWF, LSci 175, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; Moers, 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
62675 001 LEC, instruction mode: Classroom; 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, instructor consent; max 6 cr to grad program)
62589 001 IND, instruction mode: Independent/Directed Studies; Boulger, James G, 1-6 cr

5591 Social and Behavioral Medicine II
(P-N; prereq Registered med student, instructor consent)
63714 001 LEC, instruction mode: Classroom; Walls, Melissa Lynn; Beehler, Sarah J, 4 cr

6652 Social and Behavioral Medicine I
(P-N; prereq Regis med student)
62543 001 LEC, instruction mode: Classroom; Boulger, James G, 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 instructor consent)
64250 001 IND, 12/23/14-08/28/15, instruction mode: Independent/Directed Studies; Drewes, Lester R, 1-3 cr

5202 Cellular and Molecular Biology
(A-F only; prereq Biol 2102 or Biol 5231 or Chem 4342 or instructor consent)
62887 001 LEC, instruction mode: Classroom; Drewes, Lester R, 3 cr

8151 Biochemistry Seminar
(max crs 4; 4 repeats allowed; S-N only; prereq Biochemistry or Chemistry Graduate Student or instructor consent)
63109 001 LEC, 04:00pm-05:00pm Th, Med 130, instruction mode: Classroom; Drewes, Lester R, 1 cr

8294 Current Research Techniques
(max crs 4; 4 repeats allowed; S-N only; prereq Biochemistry or Chemistry Graduate Student or instructor consent)
62342 001 IND, instruction mode: Independent/Directed Studies; Drewes, Lester R, 1-3 cr

8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
61847 001 IND, instruction mode: Independent/Directed Studies; Drewes, Lester R, 1 cr

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
62604 001 IND, instruction mode: Independent/Directed Studies; 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))
62812 001 IND, instruction mode: Independent/Directed Studies; 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))
62628 001 IND, instruction mode: Independent/Directed Studies; 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)
62638 001 IND, instruction mode: Independent/Directed Studies; 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; \$86.50 course fee in addition to tuition)
001 LEC, 02:00pm-03:15pm TTh, Chem 200, instruction mode: Classroom; Bates, Paul W

62098 002 LAB, 09:00am-10:50am T, LSci 354, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; 4 cr

62099 003 LAB, 11:00am-12:50pm T, LSci 354, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; 4 cr

62100 004 LAB, 04:00pm-05:50pm T, LSci 354, instruction mode: Classroom; 4 cr

62101 005 LAB, 09:00am-10:50am W, LSci 354, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; 4 cr

62102 006 LAB, 11:00am-12:50pm W, LSci 354, instruction mode: Classroom; 4 cr

62103 007 LAB, 01:00pm-02:50pm W, LSci 354, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; 4 cr

62104 008 LAB, 04:00pm-05:50pm W, LSci 354, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; 4 cr

62105 009 LAB, 09:00am-10:50am Th, LSci 354, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; 4 cr

64257 010 LAB, 11:00am-12:50pm Th, LSci 354, instruction mode: Classroom; 4 cr

64258 011 LAB, 04:00pm-05:50pm Th, LSci 354, instruction mode: Classroom; 4 cr

050 LEC, instruction mode: Primarily Online; Belk, Colleen M

64640 051 LAB, instruction mode: Primarily Online; This is a 15-week online course. Students must be registered and begin the course at the start of the semester, January 21, 2014, and complete all requirements by May 12, 2014. Students are required to take midterms and a final on campus, weeks 4,8,12, and 15. Laboratory exercises can be performed at home with supplies purchased from a prepared kit available at the UMD bookstore. Course information will be sent to your UMD email account before the first week of classes. (Open UST reserved seats will be available to all students on 01/14/2014); Belk, Colleen M, 4 cr

1010 Home Horticulture
(A-F only; meets DLE req of Natural Sciences; meets LE req of LE CAT5)
001 LEC, 02:00pm-02:50pm TTh, LSci 340, instruction mode: Classroom; Shubat, Deborah

64698 002 LAB, 03:00pm-04:50pm T, LSci 340, instruction mode: Classroom; Shubat, Deborah, 3 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 1 sem college math or min 15 cr.; meets DLE req of Natural Sciences; meets LE req of LE CAT4; \$86.50 course fee in addition to tuition)
001 LEC, 09:00am-09:50am MWF, Chem 200, instruction mode: Classroom; Itami, Joanne K

002 DIS, 08:00am-08:50am Th, SSB 115, instruction mode: Classroom

63453 003 LAB, 08:00am-10:15am T, SSB 113, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; 5 cr

004 DIS, 04:00pm-04:50pm Th, SSB 115, instruction mode:

Classroom

63455 005 LAB, 03:30pm-05:45pm T, SSB 113, instruction mode: Classroom; 5 cr

010 DIS, 06:00pm-06:50pm M, SSB 115, instruction mode: Classroom

63461 011 LAB, 06:00pm-08:15pm W, SSB 113, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; 5 cr

012 DIS, 09:00am-09:50am T, SSB 115, instruction mode: Classroom

63463 013 LAB, 08:00am-10:15am Th, SSB 113, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; 5 cr

014 DIS, 05:00pm-05:50pm T, SSB 115, instruction mode: Classroom

63465 015 LAB, 03:30pm-05:45pm W, SSB 113, instruction mode: Classroom; 5 cr

021 LEC, 02:00pm-02:50pm MWF, LSci 185, instruction mode: Classroom; Itami, Joanne K

022 DIS, 12:00pm-12:50pm Th, SSB 115, instruction mode: Classroom

65296 023 LAB, 10:30am-12:45pm T, SSB 113, instruction mode: Classroom; 5 cr

024 DIS, 01:00pm-01:50pm Th, SSB 115, instruction mode: Classroom

65298 025 LAB, 01:00pm-03:15pm T, SSB 113, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; 5 cr

026 DIS, 07:00pm-07:50pm Th, SSB 115, instruction mode: Classroom

65300 027 LAB, 06:00pm-08:15pm T, SSB 113, instruction mode: Classroom; 5 cr

028 DIS, 08:00am-08:50am F, SSB 115, instruction mode: Classroom

65302 029 LAB, 08:00am-10:15am W, SSB 113, instruction mode: Classroom; 5 cr

030 DIS, 04:00pm-04:50pm M, SSB 115, instruction mode: Classroom

65304 031 LAB, 03:30pm-05:45pm Th, SSB 113, instruction mode: Classroom; 5 cr

032 DIS, 11:00am-11:50am T, SSB 115, instruction mode: Classroom

65306 033 LAB, 10:30am-12:45pm Th, SSB 113, instruction mode: Classroom; 5 cr

034 DIS, 02:00pm-02:50pm T, SSB 115, instruction mode: Classroom

65308 035 LAB, 01:00pm-03:15pm Th, SSB 113, instruction mode: Classroom; 5 cr

036 DIS, 06:00pm-06:50pm T, SSB 115, instruction mode: Classroom

65310 037 LAB, 06:00pm-08:15pm Th, SSB 113, instruction mode: Classroom; 5 cr

1012 General Biology II
(A-F only; prereq A grade of C- or better in 1011; meets DLE req of Sustainability; \$86.50 course fee in addition to tuition)
001 LEC, 11:00am-11:50am MWF, Chem 200, instruction mode: Classroom; Shannon, Lyle John; Bates, Paul W

002 DIS, 09:00am-09:50am Th, SSB 115, instruction mode: Classroom

63467 003 LAB, 08:00am-10:15am T, SSB 109, instruction mode: Classroom; 5 cr

004 DIS, 11:00am-11:50am Th, SSB 115, instruction mode: Classroom

63469 005 LAB, 10:30am-12:45pm T, SSB 109, instruction mode: Classroom; 5 cr

006 DIS, 02:00pm-02:50pm Th, SSB 115, instruction mode: Classroom

63471 007 LAB, 01:00pm-03:15pm T, SSB 109, instruction mode: Classroom; 5 cr

008 DIS, 05:00pm-05:50pm Th, SSB 115, instruction mode: Classroom

63473 009 LAB, 03:30pm-05:45pm T, SSB 109, instruction mode: Classroom; 5 cr

010 DIS, 06:00pm-06:50pm Th, SSB 115, instruction mode: Classroom

63475 011 LAB, 06:00pm-08:15pm T, SSB 109, instruction mode: Classroom; 5 cr

012 DIS, 09:00am-09:50am F, SSB 115, instruction mode: Classroom

63477 013 LAB, 08:30am-10:45am W, SSB 109, instruction mode: Classroom; 5 cr

014 DIS, 12:00pm-12:50pm M, SSB 115, instruction mode: Classroom

63479 015 LAB, 12:00pm-02:15pm W, SSB 109, instruction mode: Classroom; 5 cr

016 DIS, 02:00pm-02:50pm M, SSB 115, instruction mode: Classroom

63481 017 LAB, 02:30pm-04:45pm W, SSB 109, instruction mode: Classroom; 5 cr

- 018 DIS, 05:00pm-05:50pm M, SSB 115, instruction mode: Classroom
- 63483 019 LAB, 05:00pm-05:50pm W, SSB 109, instruction mode: Classroom, 5 cr
- 020 DIS, 08:00am-08:50am T, SSB 115, instruction mode: Classroom, 5 cr
- 63485 021 LAB, 08:00am-10:15am Th, SSB 109, instruction mode: Classroom, 5 cr
- 022 DIS, 12:00pm-12:50pm T, SSB 115, instruction mode: Classroom
- 63487 023 LAB, 10:30am-12:45pm Th, SSB 109, instruction mode: Classroom, 5 cr
- 024 DIS, 01:00pm-01:50pm T, SSB 115, instruction mode: Classroom
- 63489 025 LAB, 01:00pm-03:15pm Th, SSB 109, instruction mode: Classroom, 5 cr
- 026 DIS, 04:00pm-04:50pm T, SSB 115, instruction mode: Classroom
- 63491 027 LAB, 03:30pm-05:45pm Th, SSB 109, instruction mode: Classroom, 5 cr
- 2095 Special Topics: (Various Titles to be Assigned)**
(max crs 8)
- 65428 001 LEC, instruction mode: Classroom, 1-4 cr
- 2101 Cell Biology**
(A-F only; prereq A grade of C- or better in both 1011 and 1012, ((Chem 1152 or Chem 1162 or (Chem 1155 and 1156)), (Chem 2521 or Chem 2541), may be taken without lab BIOL 2102)
- 62107 001 LEC, 02:00pm-02:50pm MWF, Chem 200, instruction mode: Classroom; Stevenson, Shannon Lea, 3 cr
- 2102 Cell Biology Laboratory**
(A-F only; prereq A grade of C- or better in both 1011 and 1012, concurrent registration is allowed for 2101, (Chem 2521 or Chem 2541); \$86.50 course fee in addition to tuition)
- 62938 001 LAB, 09:00am-12:50pm T, SSB 103, instruction mode: Classroom; Stevenson, Shannon Lea, 2 cr
- 62939 002 LAB, 01:00pm-04:50pm T, SSB 103, instruction mode: Classroom, 2 cr
- 62997 003 LAB, 05:00pm-08:50pm T, SSB 103, instruction mode: Classroom, 2 cr
- 2201 Genetics**
(A-F only; prereq A grade of C- or better in both 1011 and 1012; may be taken without lab BIOL 2202)
- 63167 001 LEC, 09:00am-09:50am MWF, LSci 185, instruction mode: Classroom; Gross, Briana L, 3 cr
- 2202 Genetics Laboratory**
(A-F; prereq A grade of C- or better in 1011, 1012 and 2201 (concurrent registration is allowed for 2201); \$86.50 course fee in addition to tuition)
- 63390 001 LAB, 09:00am-12:50pm Th, SSB 103, instruction mode: Classroom; Gross, Briana L, 2 cr
- 63391 002 LAB, 01:00pm-04:50pm Th, SSB 103, instruction mode: Classroom, 2 cr
- 63620 003 LAB, 05:00pm-08:50pm Th, SSB 103, instruction mode: Classroom, 2 cr
- 2801 General Ecology**
(A-F only; prereq A grade of C- or better in both 1011 and 1012; may be taken without lab BIOL 2802)
- 62687 001 LEC, 02:00pm-03:15pm TTh, LSci 185, instruction mode: Classroom; Ozersky, Tedy, 3 cr
- 3603 Plant Taxonomy**
(A-F only; prereq 1012; \$86.50 course fee in addition to tuition)
- 001 LEC, 12:00pm-12:50pm MW, LSci 340, instruction mode: Classroom; Schimpf, David J
- 62564 002 LAB, 01:00pm-02:50pm M, LSci 340, instruction mode: Classroom; Schimpf, David J, 3 cr
- 3701 Animal Diversity**
(A-F only; prereq 1012; \$86.50 course fee in addition to tuition)
- 001 LEC, 01:00pm-01:50pm TTh, LSci 175, instruction mode: Classroom; Shannon, Lyle John
- 62397 002 LAB, 10:00am-11:50am MW, LSci 326, instruction mode: Classroom, 4 cr
- 62398 003 LAB, 12:00pm-01:50pm MW, LSci 326, instruction mode: Classroom, 4 cr
- 62399 004 LAB, 02:00pm-03:50pm MW, LSci 326, instruction mode: Classroom; Shannon, Lyle John, 4 cr
- 63621 005 LAB, 10:00am-11:50am TTh, LSci 326, instruction mode: Classroom, 4 cr
- 63622 006 LAB, instruction mode: Classroom, 4 cr
- 65340 007 LAB, instruction mode: Classroom, 4 cr
- 3802 Evolution**
(A-F only; prereq A grade of C- or better in all of the following Biology courses 1011, 1012, 2201 or IBS Grad student; credit will not be granted if already received for 4801 or 4802; meets DLE req of Sustainability)
- 001 LEC, 09:00am-09:50am TTh, LSci 185, instruction mode: Classroom; Etterson, Julie R.
- 65266 002 LAB, 08:00am-08:50am F, SSB 216, instruction mode: Classroom, 3 cr
- 65267 003 LAB, 09:00am-09:50am F, SSB 216, instruction mode: Classroom, 3 cr
- 65268 004 LAB, 10:00am-10:50am F, SSB 216, instruction mode: Classroom, 3 cr
- 65269 005 LAB, 11:00am-11:50am F, SSB 216, instruction mode: Classroom, 3 cr
- 65270 006 LAB, 12:00pm-12:50pm F, SSB 216, instruction mode: Classroom, 3 cr
- 3987 Biology Seminar**
(A-F; prereq Minimum 90 credits, Biology or Cell and Molecular Biology major; credit will not be granted if already received for 3997 AND 3998)
- 63696 001 LEC, 08:00am-08:50am MW, SSB 115, instruction mode: Classroom; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185.; , 1 cr
- 63697 002 LEC, 09:00am-09:50am MW, SSB 115, instruction mode: Classroom; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185.; , 1 cr
- 63698 003 LEC, 10:00am-10:50am MW, SSB 115, instruction mode: Classroom; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185.; , 1 cr
- 63699 004 LEC, 11:00am-11:50am MW, SSB 115, instruction mode: Classroom; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185.; , 1 cr
- 63700 005 LEC, 03:00pm-03:50pm MW, SSB 115, instruction mode: Classroom; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185.; , 1 cr
- 63701 006 LEC, 10:00am-10:50am TTh, SSB 115, instruction mode: Classroom; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185.; Itami, Joanne K, 1 cr
- 64951 007 LEC, 03:00pm-03:50pm TTh, SSB 115, instruction mode: Classroom; Class also meets 3:00-4:15 P.M. on Fridays for required Biology Seminar in LSci 185.; , 1 cr
- 3993 Laboratory Teaching Experience**
(max crs 2; S-N only; prereq instructor consent required, biol or cell biol major, 90 cr incl 25 cr Biol; max 2 cr may be applied toward Biol major)
- 62106 001 LAB, instruction mode: Classroom; 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 A grade of C or better in both 1011 and 1012, 60 cr, department consent required; max 4 cr may be applied to biol or cell biol major as upper div elective)
- 62109 001 IND, instruction mode: Independent/Directed Studies; Completion of Form 3994 required to register for course., 1-3 cr
- 3996 Internship in Biology**
(max crs 2; S-N only; prereq A grade of C- or better in both 1011 and 1012, department consent required; max 1 cr may be applied to biol or cell biol major)
- 62108 001 FWK, instruction mode: Independent/Directed Studies; Completion of Form 3996 required to register for course., 1-2 cr
- 4231 Molecular Biology**
(A-F; prereq A grade of C- or better in both 2101 and 2201, (CHEM 3322 or 4351), or IBS Grad student; credit will not be granted if already received for 5231)
- 62110 001 LEC, 02:00pm-03:15pm TTh, LSci 175, instruction mode: Classroom; Andrews, Matthew T., 3 cr
- 4233 Genomics**
(A-F only; prereq 3802 or IBS grad student; credit will not be granted if already received for 5233)
- 64983 001 LEC, 03:30pm-04:45pm TTh, SSB 216, instruction mode: Classroom; Strasburg, Jared L, 3 cr
- 4361 Developmental Biology**
(A-F only; prereq 2101, 2201 or IBS Grad student; credit will not be granted if already received for 5361; \$86.50 course fee in addition to tuition)
- 001 LEC, 08:00am-08:50am MW, MonH 70, instruction mode: Classroom; Schoff, Patrick K
- 63624 002 LAB, 09:00am-11:50am W, SSB 105, instruction mode: Classroom; Schoff, Patrick K, 3 cr
- 63625 003 LAB, 12:00pm-02:50pm W, SSB 105, instruction mode: Classroom, 3 cr
- 63626 004 LAB, 04:00pm-06:50pm W, SSB 105, instruction mode: Classroom, 3 cr
- 4501 General Microbiology**
(Credit will not be granted if credit has been received for BIOL 4503; A-F only; prereq 2101 or IBS Grad student; \$86.50 course fee in addition to tuition)
- 001 LEC, 03:00pm-03:50pm MW, LSci 185, instruction mode: Classroom; Hicks, Randall E
- 63494 002 LAB, 08:00am-09:50am TTh, SSB 208, instruction mode: Classroom; , 4 cr
- 63495 003 LAB, 10:00am-11:50am TTh, SSB 208, instruction mode: Classroom; , 4 cr
- 63496 004 LAB, 12:00pm-01:50pm TTh, SSB 208, instruction mode: Classroom; , 4 cr
- 63799 005 LAB, 02:00pm-03:50pm TTh, SSB 208, instruction mode: Classroom; , 4 cr
- 63800 006 LAB, 04:00pm-05:50pm TTh, SSB 208, instruction mode: Classroom; , 4 cr
- 67811 007 LAB, 06:00pm-07:50pm TTh, SSB 208, instruction mode: Classroom; , 4 cr
- 67812 008 LAB, 08:00pm-09:50pm TTh, SSB 208, instruction mode: Classroom; , 4 cr
- 4761 Ichthyology**
(A-F only; prereq 2801 or IBS Grad student; \$86.50 course fee in addition to tuition)
- 001 LEC, 10:00am-10:50am TTh, SSB 216, instruction mode: Classroom; Hrabik, Thomas R
- 62709 002 LAB, 11:00am-12:30pm TTh, LSci 328, instruction mode: Classroom; Hrabik, Thomas R, 3 cr
- 4805 Ecological Invasions**
(A-F only; prereq 2801 or IBS Grad student)
- 62776 001 LEC, 04:00pm-05:50pm W, SSB 115, instruction mode: Classroom; Schimpf, David J, 2 cr
- 4818 Biotic Response to Climate Change**
(A-F only; prereq Biol 2201 or IBS Grad student)
- 68727 001 LEC, 02:00pm-03:15pm TTh, SSB 216, instruction mode: Classroom; Etterson, Julie R., 2 cr
- 4891 Animal Behavior**
(A-F only; prereq 2801 or IBS Grad student)
- 63499 001 LEC, 08:00am-08:50am TTh, CINA 102, instruction mode: Classroom; 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 credit)
- 63847 001 IND, 12:00pm-01:15pm W, HH 238, instruction mode: Independent/Directed Studies; Class will be taught in HH 238; Pastor, John Joseph; Mooers, Howard D, 1 cr
- 5001 Teaching and Learning in the Life Sciences**
(S-N; prereq grad student or prior teaching experience; instructor consent)
- 64690 001 LEC, 11:00am-12:50pm Th, SSB 207A, instruction mode: Classroom; Class will meet every other Thursday beginning January 16, 2014.; Smith, Shelley L; Bates, Paul W, 1 cr
- 5232 Molecular Biology Laboratory**
(A-F; prereq 4231 or 4231 (concurrent enrollment is allowed), CHEM 3322 or Biochemistry and Molecular Biology or IBS Grad student; credit will not be granted if already received for 4232; \$86.50 course fee in addition to tuition)
- 63055 001 LAB, 01:00pm-04:50pm W, SSB 212, instruction mode: Classroom; Dahl, John L, 2 cr
- 63056 002 LAB, 05:00pm-08:50pm W, SSB 212, instruction mode: Classroom; , 2 cr
- 63111 003 LAB, 09:00am-12:50pm Th, SSB 212, instruction mode: Classroom; , 2 cr
- 63492 004 LAB, 05:00pm-08:50pm Th, SSB 212, instruction mode: Classroom; , 2 cr
- 5805 Fisheries Ecology**
(A-F only; prereq 2801, 2802, college-level course in statistics or WRS or IBS Grad student)
- 67816 001 LEC, 11:00am-11:50am MW, SSB 216, 12:00pm-02:50pm W, SSB 216, instruction mode: Classroom; Hrabik, Thomas R, 3 cr
- 5865 Conservation Biology**
(A-F only; prereq 2801 or IBS Grad student)
- 67815 001 LEC, 10:00am-10:50am MW, SSB 216, instruction mode: Classroom; Moen, Ron, 2 cr

BUSINESS (Bus)

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

2500 Fundamentals of Applied Statistics

(A-F only; prereq CUE major or Business Administration Certificate or college consent; this course cannot be used to fulfill a LSBE major/minor requirement.)
65281 001 LEC, instruction mode: Correspondence; Wilmot, Neil A, 2 cr

2700 Fundamentals of Marketing

(A-F only; prereq CUE major or Business Administration

Certificate or college consent; this course cannot be used to fulfill a LSBE major/minor requirement.)
65282 001 LEC, instruction mode: Correspondence; Maa-moun, Ahmed F., 2 cr

2800 Fundamentals of Human Resource Management
(A-F only; prereq CUE major or Business Administration Certificate or college consent; this course cannot be used to fulfill a LSBE major/minor requirement.)
65283 001 LEC, instruction mode: Correspondence; David, Jennifer Gregory, 2 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/lsbe/accounting.php>

Labovitz School of Business & Economics

2001 The Legal Environment
(A-F; prereq Minimum 30 credits; meets DLE req of Humanities; meets LE req of LE CAT8)
63158 001 LEC, 01:00pm-01:50pm MWF, LSBE 118, instruction mode: Classroom; Reinsch, Roger W, 3 cr
63159 002 LEC, 08:00am-09:15am TTh, LSBE 118, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr

3001 Law and Ethics for Financial Professionals
(Credit will not be granted if credit has been received for: BLAW 3401; A-F; prereq LSBE candidate or department consent)
62891 001 LEC, 04:00pm-05:15pm MW, LSBE 229, instruction mode: Classroom; Reinsch, Roger W, 3 cr

3301 Estate Planning Concepts and Strategies
(A-F only; prereq Acct 3401, LSBE candidate or college consent)
64329 001 LEC, 06:00pm-08:40pm M, LSBE 225, instruction mode: Classroom; , 3 cr

CAREER EXPLORATION & EDUCATION (CrExpEd)

UMD-Academic Affairs

2535 Major and Career Exploration
(A-F only; prereq Fewer than 45 credits or instructor consent)
65334 001 LEC, 05:00pm-06:15pm T, SCC 21, 01/20/15-03/13/15, instruction mode: Partially Online; (In addition to the textbooks, students need to purchase and complete the StrengthsQuest and Strong Interest Inventory assessments from Career and Internship Services. Cost for both assessments is \$30. Hybrid course with classroom and internet components.); Holm, Susan Marie, 2 cr
65335 002 LEC, 05:00pm-06:15pm M, SCC 21, 01/20/15-03/13/15, instruction mode: Partially Online; (In addition to the textbooks, students need to purchase and complete the StrengthsQuest and Strong Interest Inventory assessments from Career and Internship Services. Cost for both assessments is \$30. Hybrid course with classroom and internet components.); Hatcher, Michele N., 2 cr
65336 003 LEC, 05:00pm-06:15pm T, SCC 21, 03/23/15-05/08/15, instruction mode: Partially Online; (In addition to the textbooks, students need to purchase and complete the StrengthsQuest and Strong Interest Inventory assessments from Career and Internship Services. Cost for both assessments is \$30. Hybrid course with classroom and internet components.); Holm, Susan Marie, 2 cr
65337 004 LEC, 05:00pm-06:15pm M, KPlz 312, 03/23/15-05/08/15, instruction mode: Partially Online; (In addition to the textbooks, students need to purchase and complete the StrengthsQuest and Strong Interest Inventory assessments from Career and Internship Services. Cost for both assessments is \$30. Hybrid course with classroom and internet components.); Ramsey, Hilary B, 2 cr
68422 005 LEC, 05:00pm-06:15pm W, SCC 21, instruction mode: Partially Online; (In addition to the textbooks, students need to purchase and complete the StrengthsQuest and Strong Interest Inventory assessments from Career and Internship Services. Cost for both assessments is \$30. Hybrid course with classroom and internet components.); Darge Lombardo, Susan, 2 cr

3010 Internship Preparation
(A-F only; prereq WRIT 1120, 45 credits and declared major)
65338 001 LEC, 05:00pm-05:50pm T, KPlz 309, 01/20/15-01/20/15, 05:00pm-05:50pm T, KPlz 309, 01/27/15-01/27/15, 05:00pm-05:50pm T, KPlz 309, 02/10/15-02/10/15, 05:00pm-05:50pm T, KPlz 309, 02/24/15-02/24/15, 05:00pm-05:50pm T, KPlz

309, 03/31/15-03/31/15, instruction mode: Partially Online; (Class meets face-to-face on Tuesdays, January 20, January 27, February 10, February 24, and March 31, . All face-to-face class times are 5:00 - 5:50 PM. In addition to the textbook, students will need to purchase and complete the StrengthsQuest assessment from Career and Internship Services. Cost of the assessment is \$15.); 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 Minimum 45 credits or instructor consent)
63564 001 IND, instruction mode: Correspondence; (Online instruction. In addition to the textbooks, students will need to purchase and complete one career assessment from Career and Internship Services. Cost of the assessment is \$15.); O'Sullivan, Katherine S, 3 cr
63565 002 IND, instruction mode: Correspondence; (Online instruction. In addition to the textbooks, students will need to purchase and complete one career assessment from Career and Internship Services. Cost of the assessment is \$15.); Olsen, Nancy Heller, 3 cr

4010 Job Search and Career Success
(A-F only; prereq minimum 90 credits; WRIT 31xx or FMIS 3141or instructor permission; no grad credit)
65339 001 LEC, 05:00pm-05:50pm W, KPlz 309, 01/21/15-01/21/15, 05:00pm-05:50pm W, KPlz 309, 01/28/15-01/28/15, 05:00pm-05:50pm W, KPlz 309, 02/18/15-02/18/15, 05:00pm-05:50pm W, KPlz 309, 03/04/15-03/04/15, 05:00pm-05:50pm W, KPlz 309, 04/08/15-04/08/15, instruction mode: Partially Online; (Class meets face-to-face on Wednesdays, January 21, January 28, February 18, March 4, and April 8. All face-to-face class times are 5:00 - 5:50 PM. In addition to the textbooks, students will need to purchase and complete two career inventories from Career and Internship Services. Cost of the assessments is \$30.); Yeaton, Sherrill Jane, 1 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)
62549 001 LEC, 09:00am-09:50am MWF, Engr 177, instruction mode: Classroom; Hill, Elizabeth M, 3 cr

2011 Design of Engineering Experiments
(A-F only; prereq Math 1297 and (prereq or coreq 2111); \$71.75 course fee in addition to tuition)
62896 001 LEC, 12:00pm-12:50pm M, Engr 204, 12:00pm-12:50pm WF, Engr 280, instruction mode: Classroom; Class will meet in designated computer lab on Mondays only. Meet in regular assigned classroom on Fridays and Wednesdays.; Benda, Moe, 3 cr

2111 Material and Energy Balances
(prereq Chem 1151 or 1161 or 1153 and 1154, Math 1296 or 1596 minimum grade of C)
62659 001 LEC, 09:30am-10:45am TTh, Engr 280, instruction mode: Classroom; Permission number required; Lai, Victor, 3 cr

2121 Chemical Engineering Thermodynamics
(A-F only; prereq 2111, (prereq or coreq Math 3280))
62321 001 LEC, 11:00am-11:50am MWF, Engr 280, instruction mode: Classroom; Xu, Zhihua, 3 cr

3031 Computational Methods in Chemical Engineering
(A-F only; prereq 2111, Math 3280, (prereq or coreq CS 1121); \$62.00 course fee in addition to tuition; \$71.75 course fee in addition to tuition)
63563 001 LAB, 02:00pm-03:15pm TTh, Engr 204, instruction mode: Classroom; Davis, Richard A, 3 cr
63962 002 LAB, 03:30pm-04:45pm TTh, Engr 204, instruction mode: Classroom; Davis, Richard A, 3 cr

3111 Fluid Mechanics
(A-F only; prereq BSChE cand, CHE 2111 prereq or coreq, Phys 2011 or 2013 and 2014, Math 3280, or instructor consent; credit will not be granted if already received for ME 3111 or CE 3221.)
63410 001 LEC, 02:00pm-02:50pm MWF, Engr 118, instruction mode: Classroom; 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 candidate, 3111, (prereq or coreq 2121)or instructor consent)
61866 001 LEC, 08:00am-09:15am TTh, Engr 118, instruction mode: Classroom; Hill, Elizabeth M, 3 cr

3196 Cooperative Education I
(max crs 3; 3 repeats allowed; A-F only; prereq BSChE cand, department consent)
61897 001 FWK, instruction mode: Independent/Directed Studies; Davis, Richard A, 1 cr

3231 Properties of Engineering Materials
(A-F only; prereq BSChE cand, 2121, Chem 1152 or 1162; \$71.75 course fee in addition to tuition)
61885 001 LEC, 09:00am-09:50am MWF, Engr 280, instruction mode: Classroom; Xu, Zhihua, 3 cr

3296 Cooperative Education II
(max crs 4; A-F only; prereq BSChE candidate, CHE 3196 and department consent)
64912 001 FWK, instruction mode: Independent/Directed Studies; Davis, Richard A, 2 cr

3791 Independent Study
(max crs 3; 3 repeats allowed; prereq BSChE cand, department consent)
63964 001 IND, instruction mode: Independent/Directed Studies; Rother, Michael Anthony, 1-3 cr
64030 002 IND, instruction mode: Independent/Directed Studies; Lodge, Keith B, 1-3 cr
64031 003 IND, instruction mode: Independent/Directed Studies; Davis, Richard A, 1-3 cr
64032 004 IND, instruction mode: Independent/Directed Studies; Sternberg, Steven PK, 1-3 cr
64033 005 IND, instruction mode: Independent/Directed Studies; Sander, Guy William, 1-3 cr
65181 006 IND, instruction mode: Independent/Directed Studies; Xu, Zhihua, 1-3 cr

3894 Chemical Engineering Research
(max crs 6; 6 repeats allowed; prereq BSChE candidate, maximum 6 credits, instructor consent)
61887 001 IND, instruction mode: Independent/Directed Studies; Sternberg, Steven PK, 1-3 cr
64037 002 IND, instruction mode: Independent/Directed Studies; Davis, Richard A, 1-3 cr
64038 003 IND, instruction mode: Independent/Directed Studies; Rother, Michael Anthony, 1-3 cr
64039 004 IND, instruction mode: Independent/Directed Studies; Lodge, Keith B, 1-3 cr
64040 005 IND, instruction mode: Independent/Directed Studies; Sander, Guy William, 1-3 cr
65182 006 IND, instruction mode: Independent/Directed Studies; Xu, Zhihua, 1-3 cr

4211 Chemical Engineering Laboratory II
(A-F only; prereq BSChE candidate, 3211, 4111, 4301, and (pre-req or coreq 4402), instructor consent, no grad credit; \$71.75 course fee in addition to tuition)
62950 001 LAB, 12:00pm-05:00pm T, Engr 163, 12:00pm-12:50pm T, Engr 204, instruction mode: Classroom; Permission number required; Lai, Victor, 3 cr
63651 002 LAB, 12:00pm-05:00pm Th, Engr 163, 12:00pm-12:50pm Th, Engr 204, instruction mode: Classroom; Permission number required; Lai, Victor, 3 cr
64331 003 LAB, instruction mode: Classroom; Permission number required, 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 candidate, 3031 (pre-req or coreq 2121, 3112), Phys 2012 or 2015 and 2016, instructor consent, no grad credit)
001 LEC, 02:00pm-02:50pm MW, EduE 20, instruction mode: Classroom; Lodge, Keith B
64875 002 LAB, 10:00am-11:50am T, Engr 114, instruction mode: Classroom; Permission number required, 3 cr
64876 003 LAB, 10:00am-11:50am Th, Engr 114, instruction mode: Classroom; Permission number required, 3 cr
64877 004 LAB, 02:00pm-03:50pm Th, Engr 114, instruction mode: Classroom; Permission number required, 3 cr

4502 Chemical Engineering Design II
(A-F only; prereq BSChE candidate, 4501, (prereq or coreq 3231, 4402); no grad credit)
63527 001 LEC, 03:00pm-04:50pm MWF, Engr 290, instruction mode: Classroom; Rother, Michael Anthony, 4 cr

4603 Biorenewable Resources
(A-F only; prereq 2111 or instructor consent; no grad credit; meets DLE req of Sustainability)
64217 001 LEC, 12:00pm-12:50pm MWF, Engr 118, instruction mode: Classroom; Sander, Guy William, 3 cr

4613 Air Pollution Control
(A-F only; prereq CHEM 1155, 1156, MATH 1297 or 1597, PHYS 2015, 2016)
65383 001 LEC, 01:00pm-01:50pm MWF, Engr 177, instruction mode: Classroom; Permission number required; Sternberg, Steven PK, 3 cr
65448 002 LEC, 09:00am-09:50am MWF, Engr 118, instruction mode: Classroom; Permission number required; Sternberg, Steven PK, 3 cr

4701 Biochemical Engineering II

(A-F only; prereq 4601 or 5601; credit will not be granted if already received for 5701.)

65192 001 LEC, 01:00pm-01:50pm MWF, Engr 280, instruction mode: Classroom; Meets with: 65238 CHE 5701; Sander, Guy William, 3 cr

5701 Biochemical Engineering II

(A-F only; prereq 4601 or 5601, grad student; credit will not be granted if already received for 4701)

65238 001 LEC, 01:00pm-01:50pm MWF, Engr 280, instruction mode: Classroom; Meets with: 65192 CHE 4701; Sander, Guy William, 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 CAT5)

64071 001 LEC, 02:00pm-02:50pm MWF, Chem 155, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; meets LE req of LE CAT4; Siders, Paul D, 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; \$80.00 course fee in addition to tuition)

64073 002 LAB, 03:00pm-04:50pm W, Chem 301, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/2014); Bladholm, Erika, 1 cr
64074 003 LAB, 02:00pm-03:50pm Th, Chem 301, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Bladholm, Erika, 1 cr

1114 Introduction to General, Organic, and Biological Chemistry II

(A-F only; prereq 1113; \$80.00 course fee in addition to tuition)

001 LEC, 01:00pm-01:50pm MTWF, Chem 150, instruction mode: Classroom; Lakhan, Romesh Krishna
62061 003 LAB, 02:00pm-03:50pm T, Chem 316, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Lakhan, Romesh Krishna, 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. 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, 08:00am-08:50am MWThF, BohH 90, instruction mode: Classroom; Bladholm, Erika
64374 003 DIS, 08:00am-08:50am T, Chem 251, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Bladholm, Erika, 4 cr
64375 005 DIS, 09:00am-09:50am T, Chem 251, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Bladholm, Erika, 4 cr
64376 007 DIS, 10:00am-10:50am T, Chem 251, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Bladholm, Erika, 4 cr
64378 011 DIS, 12:00pm-12:50pm T, Chem 251, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Bladholm, Erika, 4 cr
64379 013 DIS, 01:00pm-01:50pm T, Chem 251, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/2014); Bladholm, Erika, 4 cr
031 LEC, 01:00pm-01:50pm MWThF, Chem 200, instruction mode: Classroom; Metto, Eve
64381 033 DIS, 08:00am-08:50am T, Chem 155, instruction

mode: Classroom; Metto, Eve, 4 cr

64382 035 DIS, 09:00am-09:50am T, HH 216, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/2014); Metto, Eve, 4 cr
64383 037 DIS, 10:00am-10:50am T, EduE 32, instruction mode: Classroom; Metto, Eve, 4 cr
64384 039 DIS, 11:00am-11:50am T, Chem 155, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Metto, Eve, 4 cr
64854 041 DIS, 12:00pm-12:50pm T, Chem 155, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Metto, Eve, 4 cr
64855 043 DIS, 01:00pm-01:50pm T, Chem 155, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Metto, Eve, 4 cr

1154 General Chemistry Lab I

(A-F only; prereq Previous or 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; \$80.00 course fee in addition to tuition)

64385 002 LAB, 09:00am-11:50am M, SSB 129, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/2014); Gute, Brian D, 1 cr
64386 004 LAB, 09:00am-11:50am M, SSB 131, instruction mode: Classroom; Gute, Brian D, 1 cr
64387 006 LAB, 02:00pm-04:50pm M, SSB 129, instruction mode: Classroom; Gute, Brian D, 1 cr
64388 008 LAB, 02:00pm-04:50pm M, SSB 131, instruction mode: Classroom; Gute, Brian D, 1 cr
64389 010 LAB, 08:00am-10:50am T, SSB 129, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Gute, Brian D, 1 cr
64390 012 LAB, 08:00am-10:50am T, SSB 131, instruction mode: Classroom; Gute, Brian D, 1 cr
64391 014 LAB, 11:00am-01:50pm T, SSB 129, instruction mode: Classroom; Gute, Brian D, 1 cr
64392 016 LAB, 11:00am-01:50pm T, SSB 131, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Gute, Brian D, 1 cr
64393 018 LAB, 02:00pm-04:50pm T, SSB 129, instruction mode: Classroom; Gute, Brian D, 1 cr
64394 020 LAB, 02:00pm-04:50pm T, SSB 131, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Gute, Brian D, 1 cr
64395 022 LAB, 09:00am-11:50am W, SSB 129, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Gute, Brian D, 1 cr
64396 024 LAB, 09:00am-11:50am W, SSB 131, instruction mode: Classroom; Gute, Brian D, 1 cr
64397 026 LAB, 02:00pm-04:50pm W, SSB 129, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Gute, Brian D, 1 cr
64398 028 LAB, 02:00pm-04:50pm W, SSB 131, instruction mode: Classroom; Gute, Brian D, 1 cr
64399 030 LAB, 08:00am-10:50am Th, SSB 129, instruction mode: Classroom; Gute, Brian D, 1 cr
64400 032 LAB, 08:00am-10:50am Th, SSB 131, instruction mode: Classroom; Gute, Brian D, 1 cr
64401 034 LAB, 11:00am-01:50pm Th, SSB 129, instruction mode: Classroom; Gute, Brian D, 1 cr
64402 036 LAB, 11:00am-01:50pm Th, SSB 131, instruction mode: Classroom; Gute, Brian D, 1 cr
64403 038 LAB, 02:00pm-04:50pm Th, SSB 129, instruction mode: Classroom; Gute, Brian D, 1 cr
64866 040 LAB, 02:00pm-04:50pm Th, SSB 131, instruction mode: Classroom; Gute, Brian D, 1 cr
64404 088 LAB, instruction mode: Classroom; Reserved for students repeating Chem 1151 General Chemistry I (lecture/lab combo) WHO HAVE PASSED THE LAB SEGMENT; Gute, Brian D, 1 cr

1155 General Chemistry II

(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, instruction mode: Classroom; Lakhan, Romesh Krishna

64406 003 DIS, 08:00am-08:50am Th, Chem 251, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Lakhan, Romesh Krishna, 4 cr
64407 005 DIS, 09:00am-09:50am Th, BohH 343, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Lakhan, Romesh Krishna, 4 cr
64408 007 DIS, 10:00am-10:50am Th, Chem 251, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Lakhan, Romesh Krishna, 4 cr
64409 009 DIS, 11:00am-11:50am Th, Chem 251, instruction mode: Classroom; Lakhan, Romesh Krishna, 4 cr
64410 011 DIS, 12:00pm-12:50pm Th, SSB 216, instruction mode: Classroom; Lakhan, Romesh Krishna, 4 cr
64411 013 DIS, 01:00pm-01:50pm Th, Chem 251, instruction mode: Classroom; Lakhan, Romesh Krishna, 4 cr
031 LEC, 12:00pm-12:50pm MTWF, LSci 175, instruction mode: Classroom; Swanson Kallevig, Kate
64413 033 DIS, 08:00am-08:50am Th, Chem 155, instruction mode: Classroom; Swanson Kallevig, Kate, 4 cr
64414 035 DIS, 09:00am-09:50am Th, SCC 21, instruction mode: Classroom; Swanson Kallevig, Kate, 4 cr
64415 037 DIS, 10:00am-10:50am Th, Cina 102, instruction mode: Classroom; Swanson Kallevig, Kate, 4 cr
64416 039 DIS, 11:00am-11:50am Th, Chem 155, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Swanson Kallevig, Kate, 4 cr
64417 041 DIS, 12:00pm-12:50pm Th, Chem 251, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Swanson Kallevig, Kate, 4 cr
64861 043 DIS, 01:00pm-01:50pm Th, Chem 155, instruction mode: Classroom; Swanson Kallevig, Kate, 4 cr

1156 General Chemistry Lab II

(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; \$80.00 course fee in addition to tuition)

64419 004 LAB, 09:00am-11:50am M, SSB 143, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Swanson Kallevig, Kate, 1 cr
64421 008 LAB, 02:00pm-04:50pm M, SSB 143, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64422 010 LAB, 02:00pm-04:50pm M, SSB 145, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64423 012 LAB, 09:00am-11:50am T, SSB 133, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64424 014 LAB, 09:00am-11:50am T, SSB 143, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64425 016 LAB, 09:00am-11:50am T, SSB 145, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Swanson Kallevig, Kate, 1 cr
64426 018 LAB, 02:00pm-04:50pm T, SSB 143, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64427 020 LAB, 02:00pm-04:50pm T, SSB 145, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64428 022 LAB, 09:00am-11:50am W, SSB 133, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64429 024 LAB, 09:00am-11:50am W, SSB 143, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64430 026 LAB, 09:00am-11:50am W, SSB 145, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64431 028 LAB, 02:00pm-04:50pm W, SSB 143, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64432 030 LAB, 02:00pm-04:50pm W, SSB 145, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64436 038 LAB, 11:00am-01:50pm Th, SSB 143, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Swanson Kallevig, Kate, 1 cr
64437 040 LAB, 11:00am-01:50pm Th, SSB 145, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Swanson Kallevig, Kate, 1 cr
64438 042 LAB, 02:00pm-04:50pm Th, SSB 133, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64439 044 LAB, 02:00pm-04:50pm Th, SSB 143, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr
64440 046 LAB, 02:00pm-04:50pm Th, SSB 145, instruction mode: Classroom; Swanson Kallevig, Kate, 1 cr

- 64441 088 LAB, instruction mode: Classroom; Reserved for students repeating Chem 1152 General Chemistry II (lecture/lab combo) WHO HAVE PASSED THE LAB SEGMENT.; Swanson Kallevig, Kate, 1 cr
- 1162 Honors: General Chemistry II**
(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; \$80.00 course fee in addition to tuition)
001 LEC, 10:00am-10:50am MTWF, Chem 150, instruction mode: Classroom; Hinderliter, Anne
006 DIS, 12:00pm-12:50pm T, SSB 133, instruction mode: Classroom; Hinderliter, Anne
62194 007 LAB, 02:00pm-04:50pm W, SSB 133, instruction mode: Classroom; Hinderliter, Anne, 5 cr
008 DIS, 01:00pm-01:50pm T, SSB 133, instruction mode: Classroom; Hinderliter, Anne
62726 009 LAB, 11:00am-01:50pm Th, SSB 133, instruction mode: Classroom; Hinderliter, Anne, 5 cr
- 1191 Independent Study**
(max crs 4; 4 repeats allowed; A-F only; prereq department consent)
62251 001 IND, instruction mode: Independent/Directed Studies, 1-2 cr
- 2222 Quantitative Analysis**
(A-F only; prereq 1152 or 1162 or 1155 and 1156, concurrent registration in 2223 is strongly recommended; credit will not be granted if already received for 2212 or 2242)
62198 001 LEC, 12:00pm-12:50pm MWF, Chem 150, instruction mode: Classroom; Austin-Minor, Elizabeth Colquitt, 3 cr
- 2223 Quantitative Analysis Laboratory**
(A-F only; prereq 1152 or 1162 or 1155 and 1156; concurrent registration in 2222 is required; credit will not be granted if already received for 2212 or 2242; \$80.00 course fee in addition to tuition)
63285 001 LAB, 02:00pm-04:50pm M, Chem 232, instruction mode: Classroom; Metto, Eve, 1 cr
62727 002 LAB, 09:00am-11:50am T, Chem 232, instruction mode: Classroom; Metto, Eve, 1 cr
62728 003 LAB, 02:00pm-04:50pm T, Chem 232, instruction mode: Classroom; Metto, Eve, 1 cr
62729 004 LAB, 02:00pm-04:50pm W, Chem 232, instruction mode: Classroom; Metto, Eve, 1 cr
62730 005 LAB, 09:00am-11:50am Th, Chem 232, instruction mode: Classroom; Metto, Eve, 1 cr
63286 006 LAB, 02:00pm-04:50pm Th, Chem 232, instruction mode: Classroom; Metto, Eve, 1 cr
- 2541 Organic Chemistry I**
(A-F only; prereq 1152 or 1162 or 1155 and 1156; credit will not be granted if already received for 2521)
63537 001 LEC, 11:00am-11:50am MWF, Chem 150, instruction mode: Classroom; Grundt, Peter, 3 cr
- 2542 Organic Chemistry II**
(A-F only; prereq 2521 or 2541; credit will not be granted if already received for 2522, 2532)
63542 001 LEC, 10:00am-10:50am MWF, Chem 200, instruction mode: Classroom; Zhdankin, Viktor, 3 cr
- 2543 Organic Chemistry I Laboratory**
(A-F only; prereq 1152 or 1162 or 1155 and 1156, must be taken after or concurrently with CHEM 2541; credit will not be granted if already received for 2521, CHE 3231, ENGR 2110; \$80.00 course fee in addition to tuition)
63538 001 LAB, 03:00pm-04:50pm M, SSB 226, instruction mode: Classroom; Grundt, Peter, 1 cr
63539 002 LAB, 09:00am-10:50am T, SSB 226, instruction mode: Classroom; Grundt, Peter, 1 cr
63541 004 LAB, 03:00pm-04:50pm W, SSB 226, instruction mode: Classroom; Grundt, Peter, 1 cr
65052 005 LAB, 12:00pm-01:50pm Th, SSB 226, instruction mode: Classroom; Grundt, Peter, 1 cr
- 2544 Organic Chemistry II Laboratory**
(A-F only; prereq 2521 or (2541 and 2543), must be taken after or concurrently with CHEM 2542; credit will not be granted if already received for 2522, 2532, 2545; \$80.00 course fee in addition to tuition)
63543 001 LAB, 03:00pm-04:50pm M, SSB 228, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
63544 002 LAB, 09:00am-10:50am T, SSB 228, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
63545 003 LAB, 09:00am-10:50am T, SSB 232, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
63546 004 LAB, 12:00pm-01:50pm T, SSB 228, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
63547 005 LAB, 03:00pm-04:50pm T, SSB 226, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
63548 006 LAB, 03:00pm-04:50pm T, SSB 228, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
63549 007 LAB, 03:00pm-04:50pm W, SSB 228, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
- 63551 009 LAB, 09:00am-10:50am Th, SSB 228, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
63552 010 LAB, 09:00am-10:50am Th, SSB 232, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
63791 011 LAB, 12:00pm-01:50pm Th, SSB 228, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
64069 012 LAB, 03:00pm-04:50pm Th, SSB 226, instruction mode: Classroom; Zhdankin, Viktor, 1 cr
- 2545 Organic Chemistry II Laboratory for B.S. Chemistry Majors**
(A-F only; prereq 2521 or (2541 and 2543), must be taken after or concurrently with CHEM 2542; credit will not be granted if already received for 2532; \$80.00 course fee in addition to tuition)
63553 001 LAB, 03:00pm-04:50pm MW, SSB 232, instruction mode: Classroom; Carlson, Robert M, 2 cr
63554 002 LAB, 12:00pm-01:50pm TTh, SSB 232, instruction mode: Classroom; Carlson, Robert M, 2 cr
63640 003 LAB, 03:00pm-04:50pm TTh, SSB 232, instruction mode: Classroom; Carlson, Robert M, 2 cr
- 2901 Principles of Green Chemistry**
(A-F only; prereq 2542 or concurrent; meets DLE req of Sustainability)
62529 001 LEC, 02:00pm-02:50pm MWF, Chem 251, instruction mode: Classroom; Gute, Brian D, 3 cr
- 3097 Internship in Chemistry**
(max crs 2; S-N; prereq 2521 or 2541 or 2223, chemistry or biochemistry/molecular biology majors and department consent)
63610 001 FWK, instruction mode: Independent/Directed Studies, 1-2 cr
- 3194 Chemistry Undergraduate Research**
(max crs 30; 10 repeats allowed; S-N only; prereq department consent)
64278 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr
- 3322 Biochemistry**
(A-F only; prereq 2522 or 2532 or 2542)
62200 001 LEC, 12:00pm-12:50pm MWF, Chem 200, instruction mode: Classroom; Berry, Steven Mark, 3 cr
- 3324 Biochemistry Laboratory**
(A-F only; prereq 2522 or 2532 or 2542; previous or concurrent registration in 3322; \$80.00 course fee in addition to tuition)
62552 003 LAB, 02:00pm-04:50pm T, SSB 244, instruction mode: Classroom; Bladholm, Erika, 1 cr
62553 004 LAB, 02:00pm-04:50pm T, SSB 246, instruction mode: Classroom; Bladholm, Erika, 1 cr
64256 007 LAB, 02:00pm-04:50pm W, SSB 244, instruction mode: Classroom; Bladholm, Erika, 1 cr
65486 008 LAB, 02:00pm-04:50pm W, SSB 246, instruction mode: Classroom; Bladholm, Erika, 1 cr
65489 011 LAB, 02:00pm-04:50pm Th, SSB 244, instruction mode: Classroom; Bladholm, Erika, 1 cr
65490 012 LAB, 02:00pm-04:50pm Th, SSB 246, instruction mode: Classroom; Bladholm, Erika, 1 cr
- 3432 Descriptive Inorganic Chemistry**
(A-F only; prereq (2222 or 2242) and 2542)
63694 001 LEC, 12:00pm-01:50pm TTh, Cina 102, instruction mode: Classroom; Berry, Steven Mark, 3 cr
- 4185 Undergraduate Seminar II**
(S-N only; prereq 4184)
63171 001 LEC, 02:00pm-04:00pm F, Chem 150, instruction mode: Classroom; Nemykin, Viktor N., 1 cr
64862 002 LEC, 02:00pm-04:00pm F, Room TBA, DULUTH, instruction mode: Classroom; Class will meet in SCC 120.; Grundt, Peter, 1 cr
64863 003 LEC, 02:00pm-04:00pm F, Room TBA, DULUTH, instruction mode: Classroom; Class will meet in SCC 120.; Tsai, Bilin Paula, 1 cr
64864 004 LEC, 02:00pm-04:00pm F, . TBA, instruction mode: Classroom; Class will meet in SCC 120.; Hinderliter, Anne, 1 cr
- 4242 Instrumental Analysis**
(A-F only; prereq 2222, 4632 or 4634 or 4642)
62424 001 LEC, 10:00am-10:50am MWF, Chem 155, instruction mode: Classroom; Evans, John F, 3 cr
- 4243 Instrumental Chemistry Laboratory**
(A-F only; prereq 2223, must be taken after or concurrently with CHEM 4242; \$80.00 course fee in addition to tuition)
62731 001 LAB, 02:00pm-04:50pm MW, Chem 342, instruction mode: Classroom; Evans, John F, 2 cr
63076 002 LAB, 09:00am-11:50am TTh, Chem 342, instruction mode: Classroom; Evans, John F, 2 cr
- 4352 Biochemistry II**
(A-F only; prereq 4351)
63306 001 LEC, 08:00am-08:50am MWF, Chem 150, instruction mode: Classroom; Johnson, Joseph L., 3 cr
- 4510 Polymer Chemistry**
(Credit will not be granted if credit has been received for: CHEM 5510; A-F only; prereq 2542 or instructor consent; no grad credit)
65468 001 LEC, 10:00am-10:50am MWF, KAML 409, instruction mode: Classroom; Kiprof, Paul, 3 cr
- 4642 Physical Chemistry II**
(A-F only; prereq 4641)
62249 001 LEC, 01:00pm-01:50pm MWF, Chem 155, instruction mode: Classroom; Cembran, Alessandro, 3 cr
- 4644 Physical Chemistry Laboratory II**
(A-F only; prereq 4643, 4642 may be taken concurrent; \$80.00 course fee in addition to tuition)
62732 001 LAB, 02:00pm-04:50pm T, Chem 342, instruction mode: Classroom; Siders, Paul D, 1 cr
63941 003 LAB, 02:00pm-04:50pm Th, Chem 342, instruction mode: Classroom; Siders, Paul D, 1 cr
- 5350 Research Topics for High School Chemistry Teachers**
(max crs 8; 4 repeats allowed; prereq Ed MA or MEd student, department consent required.)
62298 001 IND, instruction mode: Independent/Directed Studies; Course will meet in an off-campus location.; Lakhani, Romesh Krishna, 2-4 cr
- 5510 Polymer Chemistry**
(Credit will not be granted if credit has been received for: CHEM 4510; A-F only; prereq graduate student or instructor consent)
65469 001 LEC, 10:00am-10:50am MWF, Chem 153, instruction mode: Classroom; Kiprof, Paul, 3 cr
- 5624 Advanced Physical Chemistry I**
(A-F only; prereq 4642 or equivalent or Grad student)
63695 001 LEC, 08:00am-08:50am MWF, Chem 155, instruction mode: Classroom; Heikal, Ahmed A, 3 cr
- 5795 Special Topics in Chemistry: (Various Titles to be Assigned)**
(max crs 12; 3 repeats allowed; A-F only; prereq graduate student or instructor approval)
67442 001 LEC, 12:00pm-01:50pm TTh, Chem 153, instruction mode: Classroom; Riehl, James P, 1-4 cr
- 5994 Directed Research in Chemistry**
(max crs 9; 3 repeats allowed; prereq Min 90 cr or grad in the sciences or engineering or instructor consent)
62921 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr
- 8184 Seminar**
(S-N only; prereq Grad chem major or instructor consent)
62264 001 LEC, 03:00pm-04:50pm F, Chem 200, instruction mode: Classroom; Meets with Chemistry Seminar; Tsai, Bilin Paula, 1 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
61843 001 IND, instruction mode: Independent/Directed Studies, 1 cr
- 8424 Advanced Inorganic Chemistry II**
(A-F only; prereq grad student or instructor permission; \$71.75 course fee in addition to tuition)
63075 001 LEC, 12:00pm-01:50pm WF, KPlz 143, instruction mode: Classroom; Nemykin, Viktor N., 4 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
62601 001 IND, instruction mode: Independent/Directed Studies, 1 cr
- 8524 Advanced Organic Chemistry II**
(A-F only; prereq grad student or instructor permission)
63189 001 LEC, 12:00pm-01:50pm M, Chem 153, 09:00am-10:50am F, Room TBA, DULUTH, instruction mode: Classroom; Meredith, 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))
62610 001 IND, instruction mode: Independent/Directed Studies, 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))
62617 001 IND, instruction mode: Independent/Directed Studies, 1-18 cr
- 8888 Thesis Credits: Doctoral**

University of Minnesota – Class Schedule for Duluth Campus

Spring 2015

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

62635 001 IND, instruction mode: Independent/Directed Studies, 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

1104 Beginning Chinese IV: A Practical Introduction to Everyday Mandarin Chinese

(A-F only; prereq 1103 or equivalent, or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)

66348 001 LEC, 11:00am-11:50am MTTTh, EduE 40, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Zhang, Weiqing, 4 cr

3042 Aspects of Chinese Cultures: Interface between Traditions and Contemporary Values

(A-F only)

64987 001 LEC, 08:00am-09:50am TTh, H 464, instruction mode: Classroom; Zhang, Weiqing, 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

1000 History of Structures

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

67800 001 LEC, 02:00pm-02:50pm MWF, SCiv 231, instruction mode: Classroom; Christiansen, Mary Urshel, 3 cr

1025 Introduction to Civil Engineering

(A-F; prereq Civil engineering students)

64103 001 LEC, 02:00pm-02:50pm Th, SCiv 265, instruction mode: Classroom; Hanson, Adrian Thomas, 1 cr

2017 Engineering Mechanics: Statics and Mechanics of Materials

(A-F only; prereq MATH 1297, PHYS 2011 or 2013 and 2014; credit will not be granted if already received for ENGR 2015 and ENGR 2016 combined.)

64094 001 LEC, 11:00am-11:50am MTWThF, SCiv 231, instruction mode: Classroom; Kohn, Brian J, 5 cr
64095 002 LEC, 12:00pm-12:50pm MTWThF, SCiv 231, instruction mode: Classroom; Kohn, Brian J, 5 cr

2425 Geologic Principles for Civil Engineers

(A-F only; prereq credit will not be granted if already received for CE 2435 or CE 3425 or GEOL 1110; meets DLE req of Sustainability; \$62.00 course fee in addition to tuition)

001 LEC, 02:00pm-02:50pm MWF, LSci 175, instruction mode: Classroom; Meets with: 61968 GEOL 1110; Steinman, Byron Anthony
65114 002 LAB, 09:00am-10:50am W, SCiv 165, instruction mode: Classroom; Carranza-Torres, Carlos M, 4 cr
65115 003 LAB, 03:00pm-04:50pm W, SCiv 165, instruction mode: Classroom; Carranza-Torres, Carlos M, 4 cr

3015 CAD & Engineering Drawing

(A-F only; prereq 2017; \$62.00 course fee in addition to tuition)

63787 001 LAB, 05:00pm-07:30pm T, SCiv 224, instruction mode: Classroom; Goldberg, Casey Lynn, 3 cr

3025 Environmental Engineering

(A-F; prereq Chem 1151 or 1153 and 1154, CE 3221, BSCE candidate; \$62.00 course fee in addition to tuition)

001 LEC, 12:00pm-12:50pm MF, SCiv 265, instruction mode: Classroom; Johnson, Nathan W
65271 002 LAB, 12:00pm-01:50pm W, VKH 131, instruction mode: Classroom; Johnson, Nathan W, 3 cr
65272 003 LAB, 09:00am-10:50am W, VKH 131, instruction mode: Classroom; Johnson, Nathan W, 3 cr

3026 Project Management

(A-F only)

64104 001 LEC, 04:00pm-06:30pm W, SCiv 265, instruction mode: Classroom; Rashid, John W, 3 cr

3027 Infrastructure Materials

(A-F only; prereq 2017, BSCE candidate; \$62.00 course fee in addition to tuition)

001 LEC, 08:00am-08:50am MWF, SCiv 265, instruction mode: Classroom; Dave, Eshan V
64099 002 LAB, 03:00pm-04:50pm M, SCiv 169, instruction mode: Classroom; Dave, Eshan V, 4 cr
64100 003 LAB, 09:30am-11:20am T, SCiv 169, instruction mode: Classroom; Dave, Eshan V, 4 cr

3115 Structural Analysis

(A-F only; prereq 2017, Math 3280 (concurrent), BSCE candidate)

64101 001 LEC, 10:00am-10:50am MWF, SCiv 265, instruction mode: Classroom; , 3 cr

3221 Fluid Mechanics

(A-F only; prereq 2017, Math 3280 (concurrent))

64102 001 LEC, 01:00pm-01:50pm MWF, SCiv 231, instruction mode: Classroom; Kohn, Brian J, 3 cr

3225 Hydraulics and Hydrology

(A-F only; prereq 3221, Math 3280 (concurrent), BSCE candidate; \$62.00 course fee in addition to tuition)

001 LEC, 11:00am-11:50am MWF, Engr 177, instruction mode: Classroom; Teasley, Rebecca Lynn
63837 002 LAB, 10:00am-11:50am Th, SCiv 155, instruction mode: Classroom; Teasley, Rebecca Lynn, 4 cr
64608 003 LAB, 12:00pm-01:50pm Th, SCiv 155, instruction mode: Classroom; Teasley, Rebecca Lynn, 4 cr

3316 Transportation Engineering

(A-F only; prereq BSCE candidate; \$62.00 course fee in addition to tuition)

001 LEC, 08:00am-09:15am TTh, SCiv 265, instruction mode: Classroom; Kwon, Eil
64097 002 LAB, 09:30am-11:20am T, SCiv 224, instruction mode: Classroom; Kwon, Eil, 4 cr
64658 003 LAB, 11:30am-01:20pm T, SCiv 224, instruction mode: Classroom; Kwon, Eil, 4 cr

3426 Soil Mechanics

(A-F only; prereq 2017, 3425 or 2425 or 2435, BSCE candidate; \$62.00 course fee in addition to tuition)

001 LEC, 09:00am-09:50am MWF, SCiv 265, instruction mode: Classroom; Carranza-Torres, Carlos M
63784 002 LAB, 02:00pm-03:50pm T, SCiv 165, instruction mode: Classroom; Saftner, David A, 4 cr
64093 003 LAB, 02:00pm-03:50pm Th, SCiv 165, instruction mode: Classroom; Saftner, David A, 4 cr

4096 Cooperative Education I

(max crs 3; 3 repeats allowed; A-F only; prereq CE upper division student, instructor consent; no grad credit)

64918 001 IND, instruction mode: Independent/Directed Studies; Carranza-Torres, Carlos M, 1 cr

4126 Design of Concrete Structures

(A-F only; prereq 3115, BSCE Candidate, no Grad cr)

63789 001 LEC, 02:00pm-02:50pm MWF, SCiv 265, 12:00pm-12:50pm W, SCiv 224, instruction mode: Classroom; Al-Hammoud, Rania, 3 cr

4226 Water Resources Engineering

(A-F; prereq 3225, no Grad cr)

64621 001 LEC, 09:00am-09:50am MWF, SCiv 231, instruction mode: Classroom; Meets with: 64648 CE 5226; Teasley, Rebecca Lynn, 3 cr

4255 Senior Design

(A-F; prereq instructor consent, no Grad cr; \$62.00 course fee in addition to tuition)

64763 001 LAB, 02:00pm-04:30pm T, SCiv 231, 02:00pm-02:50pm Th, SCiv 231, instruction mode: Classroom; Ojard, Sara Dianne Prochnow, 4 cr

4256 Design of Water and Waste Water Treatment Plants

(A-F only; prereq 3025 or instructor consent)

67796 001 LEC, 10:00am-10:50am MWF, Engr 280, instruction mode: Classroom; Hanson, Adrian Thomas, 3 cr

4316 Pavement Design and Rehabilitation

(A-F only; prereq 2017, 3027 and 3316; no grad credit)

64660 001 LEC, 11:00am-11:50am MWF, SCiv 265, instruction mode: Classroom; Meets with: 64661 CE 5316; Dave, Eshan V, 3 cr

4326 Highway Planning and Design

(A-F only; prereq 3316; no grad credit)

64106 001 LEC, 03:00pm-05:30pm W, SCiv 231, instruction mode: Classroom; Meets with: 64666 CE 5326; Huang, Arthur Yan, 3 cr

4415 Geotechnical Design

(A-F only; prereq 3426, no grad credit)

64909 001 LEC, 08:00am-09:15am TTh, SCiv 231, instruction mode: Classroom; Saftner, David A, 3 cr

4515 Sustainable Design and Construction

(A-F only; prereq BSCE or BSCE or BSIE or BSME; no grad credit; meets DLE req of Sustainability)

64771 001 LEC, 01:00pm-01:50pm MWF, SCiv 265, instruction mode: Classroom; Meets with: 64180 CE 5515; Christiansen, Mary Urshel, 3 cr

4596 Cooperative Education II

(A-F only; prereq CE upper division, instructor consent; no grad credit)

64928 001 IND, instruction mode: Independent/Directed Studies; Carranza-Torres, Carlos M, 2 cr

4991 Independent Study in Civil Engineering

(max crs 4; A-F only; prereq CE upper division status,

instructor consent; no graduate credit)

65430 001 IND, instruction mode: Independent/Directed Studies; , 1-4 cr

65431 002 IND, instruction mode: Independent/Directed Studies; , 1-4 cr

65432 003 IND, instruction mode: Independent/Directed Studies, 1-4 cr

65433 004 IND, instruction mode: Independent/Directed Studies, 1-4 cr

4995 Special Topics in Civil Engineering: (Various Titles to be Assigned)

(max crs 12; 3 repeats allowed; A-F only; prereq no grad credit)

67798 001 LEC, 05:00pm-06:15pm TTh, SCiv 231, instruction mode: Classroom; Meets with: 67799 CE 5995, 1-4 cr

5127 Bridge Analysis and Design

(A-F only; prereq 4115, 4126 or Grad student)

64606 001 LEC, 10:00am-10:50am MWF, SCiv 231, instruction mode: Classroom; Al-Hammoud, Rania, 3 cr

5216 Applications in Environmental Modeling

(A-F only; prereq graduate status or instructor consent)

68585 001 LEC, 03:00pm-03:50pm MWF, SCiv 265, instruction mode: Classroom; Johnson, Nathan W, 3 cr

5226 Water Resources Engineering

(A-F only; prereq 3225, grad student)

64648 001 LEC, 09:00am-09:50am MWF, SCiv 231, instruction mode: Classroom; Meets with: 64621 CE 4226; Teasley, Rebecca Lynn, 3 cr

5317 Traffic Flow Theory and Modeling

(A-F only; prereq 4315 or grad student)

65492 001 LEC, 03:00pm-05:30pm Th, Engr 290, instruction mode: Classroom; Kwon, Eil, 3 cr

5326 Highway Planning and Design

(A-F only; prereq 3316 or graduate student)

64666 001 LEC, 03:00pm-05:30pm W, SCiv 231, instruction mode: Classroom; Meets with: 64106 CE 4326; Huang, Arthur Yan, 3 cr

5420 Advanced Soil Mechanics

(A-F only; prereq 3426, 4415 (concurrent registration is acceptable) or CE graduate student)

67797 001 LEC, 09:30am-10:45am TTh, SCiv 231, instruction mode: Classroom; Saftner, David A, 3 cr

5515 Sustainable Design and Construction (SUSTAIN)

(A-F only; prereq BSCE or BSCE or BSIE or BSME or Grad student; meets DLE req of Sustainability)

64180 001 LEC, 01:00pm-01:50pm MWF, SCiv 265, instruction mode: Classroom; Meets with: 64771 CE 4515; Christiansen, Mary Urshel, 3 cr

5555 Project Credits: Master of Engineering (Civil)

(max crs 6; A-F only; prereq Civil Engineering MEng Student)

65160 001 IND, instruction mode: Independent/Directed Studies, 3-6 cr

65161 002 IND, instruction mode: Independent/Directed Studies, 3-6 cr

5991 Graduate Independent Study in Civil Engineering

(max crs 12; 12 repeats allowed; A-F only; prereq CE MEng candidate, instructor consent)

64281 001 IND, instruction mode: Independent/Directed Studies; , 1-12 cr

64699 002 IND, instruction mode: Independent/Directed Studies; , 1-12 cr

64713 003 IND, instruction mode: Independent/Directed Studies, 1-12 cr

5995 Special Topics in Civil Engineering:(Various Titles to be Assigned)

(max crs 12; 3 repeats allowed; A-F only; prereq grad student)

67799 001 LEC, 05:00pm-06:15pm TTh, SCiv 231, instruction mode: Classroom; Meets with: 67798 CE 4995, 1-4 cr

8094 Civil Engineering Master's Project

(max crs 24; 12 repeats allowed; S-N only; prereq Graduate student)

64670 001 IND, instruction mode: Independent/Directed Studies; Carranza-Torres, Carlos M, 1-6 cr

64671 002 IND, instruction mode: Independent/Directed Studies; Dave, Eshan V, 1-6 cr

64672 003 IND, instruction mode: Independent/Directed Studies; Johnson, Nathan W, 1-6 cr

64673 004 IND, instruction mode: Independent/Directed Studies; , 1-6 cr

64674 005 IND, instruction mode: Independent/Directed Studies; Saftner, David A, 1-6 cr

64675 006 IND, instruction mode: Independent/Directed Studies; 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))

- 64691 001 IND, instruction mode: Independent/Directed Studies; Carranza-Torres, Carlos M, 1-12 cr
- 64692 002 IND, instruction mode: Independent/Directed Studies; Dave, Eshan V, 1-12 cr
- 64693 003 IND, instruction mode: Independent/Directed Studies; Johnson, Nathan W, 1-12 cr
- 64694 004 IND, instruction mode: Independent/Directed Studies; , 1-12 cr
- 64695 005 IND, instruction mode: Independent/Directed Studies; Saftner, David A, 1-12 cr
- 64766 006 IND, instruction mode: Independent/Directed Studies; Teasley, Rebecca Lynn, 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 Minimum 30 credits, current Red Cross First Aid and CPR card or Hlth 1600; \$16.75 course fee in addition to tuition)
63123 001 LEC, 06:00pm-08:50pm W, SpHC 8, instruction mode: Classroom; Fleissner, Elizabeth A, 3 cr

- 3160 Psychological Aspects of Coaching and Athletic Performance**
(A-F only; prereq Coaching minor or instructor consent)
62319 001 LEC, 02:00pm-02:50pm MWF, SpHC 8, instruction mode: Classroom; Fleissner, Elizabeth A, 3 cr

- 3161 Administrative Aspects of Coaching**
(A-F only; prereq Coaching minor or instructor consent)
64338 001 LEC, 10:00am-10:50am MWF, SpHC 210, instruction mode: Classroom; Fleissner, Elizabeth A, 3 cr

- 3170 Coaching and Officiating Football**
(A-F only; prereq Coaching minor or instructor consent)
67656 001 LEC, 06:00pm-07:50pm M, SpHC 208, instruction mode: Classroom; Wiese, Curtis Thomas, 2 cr

- 3171 Coaching and Officiating Basketball**
(A-F only; prereq Coaching minor or instructor consent)
64869 001 LEC, 09:30am-10:45am TTh, SpHC 150, 09:30am-10:45am T, SpHC 207, 09:30am-10:45am Th, Room TBA, DULUTH, instruction mode: Classroom; Fleissner, Elizabeth A, 2 cr

- 3991 Independent Study**
(max crs 4; A-F only; prereq Coaching minor and instructor consent)
62386 001 IND, instruction mode: Independent/Directed Studies; Knapp, Jim L, 1-4 cr

- 3997 Coaching Practicum**
(S-N; prereq Coaching minor and instructor consent; \$43.75 course fee in addition to tuition)
62046 001 FWK, instruction mode: Independent/Directed Studies; 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)
62038 001 LEC, 02:00pm-03:50pm MW, MonH 70, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Boyson PhD, Aaron Robert, 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)
63977 001 LEC, 06:00pm-08:30pm T, BohH 104, instruction mode: Classroom; Farrell, Jean E, 3 cr
63983 002 LEC, 02:00pm-03:15pm TTh, BohH 104, instruction mode: Classroom; Farrell, Jean E, 3 cr
63984 003 LEC, 09:00am-09:50am MWF, ABAH 445, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
63985 004 LEC, 11:00am-11:50am MWF, ABAH 435, instruction mode: Classroom; , 3 cr
63986 005 LEC, 08:00am-08:50am MWF, ABAH 435,

- instruction mode: Classroom; Matuszak, Brian Timothy, 3 cr
63987 006 LEC, 10:00am-10:50am MWF, ABAH 435, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Matuszak, Brian Timothy, 3 cr
63988 007 LEC, 12:00pm-12:50pm MWF, ABAH 435, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Matuszak, Brian Timothy, 3 cr
63989 008 LEC, 02:00pm-03:15pm TTh, ABAH 435, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/14); Titus, Barb, 3 cr
63990 009 LEC, 03:30pm-04:45pm TTh, Cina 106, instruction mode: Classroom; Titus, Barb, 3 cr
63991 010 LEC, 09:30am-10:45am TTh, EduE 40, instruction mode: Classroom; Twite, Nora J., 3 cr
63992 011 LEC, 12:00pm-01:50pm T, ABAH 435, 12:00pm-12:50pm Th, ABAH 435, instruction mode: Classroom; Twite, Nora J., 3 cr
63993 012 LEC, 08:00am-09:15am TTh, ABAH 445, instruction mode: Classroom; Ahasay, Julie Ann Ellis, 3 cr
64898 013 LEC, 09:30am-10:45am TTh, ABAH 235, instruction mode: Classroom; Ahasay, Julie Ann Ellis, 3 cr
66359 014 LEC, 08:00am-09:15am TTh, ABAH 435, instruction mode: Classroom; Egle, Daniel Dee, 3 cr
68689 015 LEC, 12:00pm-01:50pm TTh, ABAH 245, instruction mode: Classroom; Egle, Daniel Dee, 3 cr
68690 016 LEC, 02:00pm-03:15pm TTh, ABAH 445, instruction mode: Classroom; Egle, Daniel Dee, 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)
63998 001 LEC, 02:00pm-03:15pm TTh, ABAH 245, instruction mode: Classroom; Ahasay, Julie Ann Ellis, 3 cr
63999 002 LEC, 08:00am-09:15am TTh, ABAH 425, instruction mode: Classroom; Blais, Angela Lynn, 3 cr
64000 003 LEC, 09:30am-10:45am TTh, ABAH 425, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Blais, Angela Lynn, 3 cr
64001 004 LEC, 11:00am-11:50am T, ABAH 225, 11:00am-12:50pm Th, ABAH 225, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Blais, Angela Lynn, 3 cr
64002 005 LEC, 10:00am-10:50am MWF, H 480, instruction mode: Classroom; Carlson, Kristin, 3 cr
64003 006 LEC, 11:00am-11:50am MWF, H 480, instruction mode: Classroom; Carlson, Kristin, 3 cr
64004 007 LEC, 06:00pm-08:30pm W, BohH 104, instruction mode: Classroom; Farrell, Jean E, 3 cr
64005 008 LEC, 03:30pm-04:45pm TTh, BohH 104, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Farrell, Jean E, 3 cr
64006 009 LEC, 08:00am-08:50am MWF, ABAH 445, instruction mode: Classroom; , 3 cr
64007 010 LEC, 01:00pm-01:50pm MWF, ABAH 235, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
64008 011 LEC, 11:00am-12:50pm T, ABAH 235, 11:00am-11:50am Th, ABAH 235, instruction mode: Classroom; Titus, Barb, 3 cr
64231 012 LEC, 02:00pm-03:15pm TTh, ABAH 235, instruction mode: Classroom; Twite, Nora J., 3 cr

- 1500 Media and Society**
(A-F only; meets DLE req of Humanities; meets LE req of LE CAT8)
63740 001 LEC, 02:00pm-03:15pm TTh, MonH 70, instruction mode: Classroom; Bernabo, Lawrence Mark, 3 cr

- 2025 Communication Inquiry: Rhetorical and Historical Methods**
(A-F only; prereq Communication major, minimum 30 credits)
63419 001 LEC, 10:00am-11:50am MW, ABAH 445, instruction mode: Classroom; Pfau, Michael William, 3 cr

- 2030 Communication Inquiry: Social Scientific Methods**
(A-F only; prereq Comm major, minimum 30 credits; \$71.75 course fee in addition to tuition)
63420 001 LEC, 02:00pm-03:15pm TTh, H 484, instruction mode: Classroom; Downs, Edward Paul, 3 cr
63978 002 LEC, 03:00pm-04:50pm MW, KPlz 143, instruction mode: Classroom; Feng, Hairong, 3 cr

- 3115 Persuasion and Argumentation in Public Speaking**

- (A-F only; prereq 1112)
64935 001 LEC, 10:00am-11:50am TTh, ABAH 435, instruction mode: Classroom; Nelson, Elizabeth Jean, 3 cr
- 3205 Relationship Communication**
(A-F only; prereq 1222)
65476 001 LEC, 01:00pm-02:50pm M, ABAH 435, instruction mode: Classroom; Feng, Hairong, 3 cr

- 3210 Group Communication**
(A-F only; prereq Minimum 30 credit, communication major or minor or instructor consent)
63741 001 LEC, 01:00pm-02:50pm W, ABAH 435, instruction mode: Partially Online; Feng, Hairong, 3 cr

- 3211 Communication and Technology in the Information Age**
(A-F only)
65013 001 LEC, 04:00pm-05:50pm TTh, ABAH 445, instruction mode: Classroom; Downs, Edward Paul, 3 cr

- 3300 Teaching Assistantship in Communication**
(max crs 6; 6 repeats allowed; S-N only; prereq Minimum 60 credits, Communication major or minor, instructor consent, may not be applied to elective credit for a Communication major or minor)
63706 001 FWK, instruction mode: Independent/Directed Studies; Sunnafrank, Michael J, 1-3 cr

- 3310 Research Assistant in Communication**
(max crs 3; 3 repeats allowed; S-N; prereq instructor consent)
63421 001 FWK, instruction mode: Independent/Directed Studies; Sunnafrank, Michael J, 1-3 cr

- 3400 Health Communication**
(A-F)
64937 001 LEC, 10:00am-11:50am MW, ABAH 425, instruction mode: Classroom; de Souza, Rebecca, 3 cr
64938 002 LEC, 12:00pm-01:50pm MW, ABAH 425, instruction mode: Classroom; de Souza, Rebecca, 3 cr

- 3525 Deciding What's News**
(A-F only)
64939 001 LEC, 10:00am-11:50am Th, ABAH 445, instruction mode: Partially Online; Petersen-Perlman PhD, Deborah Susan, 3 cr

- 3550 Children and Media**
(A-F only)
66369 001 LEC, 12:00pm-01:50pm MW, ABAH 445, instruction mode: Classroom; Boyson PhD, Aaron Robert, 3 cr

- 3560 Video Game Entertainment**
(A-F only)
64925 001 LEC, 12:00pm-01:50pm TTh, ABAH 445, instruction mode: Classroom; Downs, Edward Paul, 3 cr

- 3595 Special Topics: Media Communication**
(max crs 12; 4 repeats allowed; A-F)
66370 001 LEC, 09:30am-10:45am TTh, Engr 118, instruction mode: Classroom; A critical look at comic book superheroes from a rhetorical perspective. Examining the evolution of the art form and the cultural impact of superheroes as the modern mythology; Bernabo, Lawrence Mark, 3 cr; T:The Rhetoric of Superheroes

- 3610 Philosophy and Rhetoric**
(A-F only; prereq credit will not be granted if already received for COMM 1625; meets DLE req of Humanities)
68576 550 LEC, 02:00pm-03:15pm TTh, EduE 36, instruction mode: Classroom; Gore, David Charles, 3 cr

- 3612 Rhetorical Criticism**
(A-F only; prereq 1112, minimum 60 credits)
64365 001 LEC, 03:30pm-04:45pm TTh, ABAH 235, instruction mode: Classroom; Bernabo, Lawrence Mark, 3 cr

- 3615 Analysis of Public Discourse**
(A-F only; prereq credit will not be granted if already received for COMM 2505)
68041 001 LEC, 04:00pm-05:50pm TTh, ABAH 425, instruction mode: Classroom; Nelson, Elizabeth Jean, 3 cr

- 3695 Special Topics in Rhetoric Communication**
(max crs 12; 4 repeats allowed; A-F)
65483 001 LEC, 02:00pm-03:50pm TTh, ABAH 425, instruction mode: Classroom; Nelson, Elizabeth Jean, 3 cr

- 3700 Interpersonal Influence**
(A-F only)
65482 001 LEC, 11:00am-12:50pm TTh, ABAH 425, instruction mode: Classroom; Goei, Ryan Christopher, 3 cr

- 4394 Directed Research in Communication**
(max crs 3; 3 repeats allowed; A-F; prereq Minimum 60 credits, communication major, instructor consent)
62685 001 IND, instruction mode: Independent/Directed Studies; , 1-3 cr

- 4397 Internship in Communication**
(max crs 8; 8 repeats allowed; S-N; prereq Comm major

or minor, minimum 79 credits, minimum 2.75 cumulative GPA, instructor consent; no grad credit)
 62045 001 FWK, instruction mode: Independent/Directed Studies; Carlson, Kristin, 1-8 cr
 65112 002 FWK, instruction mode: Independent/Directed Studies; Carlson, Kristin, 1-8 cr

4399 Directed Projects in Communication
 (max crs 6; 6 repeats allowed; S-N; prereq Minimum 60 credits, communication major, instructor consent; may not be applied to elective credit for communication major or minor; no grad credit)
 62686 001 IND, instruction mode: Independent/Directed Studies; Sunnafrank, Michael J, 1-3 cr

4500 History of Rhetoric
 (A-F only; prereq 1112 or instructor consent; no Grad credit)
 64927 001 LEC, 02:00pm-03:50pm MW, ABAH 425, instruction mode: Classroom; 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, instructor consent)
 64366 001 LEC, 04:00pm-06:30pm M, ABAH 435, instruction mode: Classroom; TOPIC: Media and Murder.; Boyson PhD, Aaron Robert, 3 cr
 64367 002 LEC, 04:00pm-06:30pm Th, ABAH 435, instruction mode: Classroom; TOPIC: Happiness and Rhetorical Practice; Petersen-Perlman PhD, Deborah Susan, 3 cr
 64368 003 LEC, 04:00pm-06:30pm W, ABAH 435, instruction mode: Classroom; TOPIC: Demystifying Psycho-Physiology; de Souza, Rebecca, 3 cr
 64870 004 LEC, 04:00pm-06:30pm T, ABAH 435, instruction mode: Classroom; TOPIC: Rhetoric and the Stoics; Gore, David Charles, 3 cr

5391 Independent Study in Communication
 (max crs 6; 6 repeats allowed; A-F only; prereq instructor consent required)
 65417 001 IND, instruction mode: Independent/Directed Studies; Sunnafrank, Michael J, 1-3 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
 (A-F; prereq CSD candidate or instructor consent; meets LE req of LE CAT3)
 61839 001 LEC, 09:00am-09:50am MW, ChPk 124, instruction mode: Classroom; Hyppa Martin, Jolene K, 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 CAT3; meets LECD req of LECD CAT08)
 64285 001 LEC, 08:00am-09:15am TTh, SCC 120, instruction mode: Partially Online; 30 seats reserved for IESE - EXPIRES 03-DEC-2014; Carlson, Lynette Rene; Tschekunow, Jill; Loven, Faith C, 3 cr

2400 Clinical Observation of Communication Disorders
 (A-F only; prereq 2230 or instructor consent)
 64884 001 DIS, instruction mode: Correspondence; This class is taught on line.; Brorson, Kent R, 1 cr

3160 Fundamentals of Hearing Science
 (A-F; prereq 3103, CSD candidate or instructor consent)
 62860 001 LEC, 10:00am-10:50am MWF, ChPk 124, instruction mode: Classroom; Loven, Faith C, 3 cr

3232 Language Disorders
 (A-F only; prereq 3131, CSD candidate or instructor consent)
 62861 001 LEC, 11:00am-11:50am MWF, ChPk 124, instruction mode: Classroom; Brorson, Kent R, 3 cr

3241 Foundations of Treatment in Communication Disorders
 (A-F only; prereq 3103, 3131, 3150, 3200, CSD candidate or instructor consent; \$43.75 course fee in addition to tuition)
 62862 001 LEC, 08:00am-08:50am MWF, ChPk 124, instruction mode: Classroom; Carlson, Lynette Rene, 3 cr

4197 Clinical Practicum in Communication Disorders
 (max crs 4; A-F; prereq 3241 with C grade or better, CSD candidate or instructor consent, no Grad credit; \$43.75 course fee in addition to tuition)
 62952 001 FWK, 01:00pm-01:50pm Th, TBA, instruction mode: Independent/Directed Studies; This class meets

with CSD 4297 and CSD 8397. Class will meet in ChPk 124.; Meets with: 65241 CSD 8497; Carlson, Lynette Rene; Collins, Dana Rose; Hyppa Martin, Jolene K; John, Lynda Barker; Robinson, Rachael; Wallis, Kay; Peterson, Cole Christian; Mizuko, Mark I; Schaefer, Susan Elizabeth; Tschekunow, Jill, 2 cr

4200 Introduction to Fluency Disorders
 (A-F only; prereq 2230, CSD candidate or instructor consent, no grad credit)
 61903 001 LEC, 09:30am-10:45am TTh, ChPk 124, instruction mode: Classroom; Wallis, Kay, 3 cr

4500 Voice Disorders
 (A-F only; prereq CSD candidate)
 65415 001 LEC, 02:00pm-03:15pm MW, ChPk 124, instruction mode: Classroom; Collins, Dana Rose, 3 cr

5010 Portfolio Development I
 (A-F; prereq CSD Grad student or instructor consent)
 64737 001 LEC, 01:00pm-01:40pm W, ChPk 122, 02/25/15-05/08/15, instruction mode: Classroom; Carlson, Lynette Rene, 0.50 cr

5011 Portfolio Development II
 (A-F only; prereq CSD 5010 or instructor consent)
 68637 001 LEC, 10:00am-11:15am Th, ChPk 208, 01/20/15-02/19/15, instruction mode: Classroom; 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)
 62331 001 IND, instruction mode: Independent/Directed Studies; Class is arranged with Instructor.; Carlson, Lynette Rene, 1-3 cr
 64277 002 IND, instruction mode: Independent/Directed Studies; Class is arranged with Instructor.; Carlson, Lynette Rene, 1-3 cr; \$420.00 class fee in addition to tuition

5250 Seminar in Augmentative and Alternative Communication
 (A-F; prereq CSD grad student or instructor consent)
 64941 001 LEC, 01:00pm-01:50pm F, ChPk 122, instruction mode: Classroom; Hyppa Martin, Jolene K, 1 cr

5301 Language Disorders in Infants, Toddlers, and Preschoolers
 (A-F only; prereq CSD grad student or instructor consent)
 63963 001 LEC, 11:00am-11:50am TTh, ChPk 122, instruction mode: Classroom; Brorson, Kent R, 2 cr

5302 Language Disorders in School-Age Children
 (A-F only; prereq CSD grad student or instructor consent)
 64942 001 LEC, 10:00am-12:45pm W, ChPk 122, 01/20/15-02/20/15, 12:00pm-02:45pm Th, ChPk 122, 01/20/15-02/20/15, instruction mode: Classroom; Class will meet the first 5 weeks of the semester 1/21/14, 1/28/14, 2/4/14, 2/11/14, 2/18/14.; Hyppa Martin, Jolene K, 2 cr

5400 Rehabilitative Procedures for the Hard of Hearing
 (A-F; prereq 4400, CSD candidate or CSD grad or instructor consent)
 63274 001 LEC, 12:00pm-12:50pm MWF, ChPk 124, instruction mode: Classroom; Loven, Faith C, 3 cr

8099 Projects in Communication Disorders
 (A-F; prereq CSD grad student or instructor consent)
 65478 001 IND, instruction mode: Independent/Directed Studies; Meeting times arranged with instructor.; Brorson, Kent R; Mizuko, Mark I; Loven, Faith C; Collins, Dana Rose, 2 cr

8231 Neurogenic Speech Disorders
 (prereq CSD grad student or instructor consent)
 62744 001 LEC, 09:30am-10:45am TTh, ChPk 122, instruction mode: Classroom; Collins, Dana Rose, 3 cr

8297 Audiology Practicum
 (max crs 4; 4 repeats allowed; S-N; prereq 5400, 8400, CSD grad student or instructor consent; Cannot apply more than 2 cr to a graduate program; \$43.75 course fee in addition to tuition)
 63619 001 FWK, instruction mode: Independent/Directed Studies; Class is arranged with instructor.; Loven, Faith C, 1-2 cr

8497 On-Campus Graduate Internship in Communication Disorders II
 (max crs 8; A-F only; prereq 8397, instructor consent; \$43.75 course fee in addition to tuition)
 65241 001 FWK, 01:00pm-01:50pm Th, TBA, instruction mode: Independent/Directed Studies; Class will meet in ChPk 208.; Meets with: 62952 CSD 4197; Carlson, Lynette Rene; Collins, Dana Rose; Hyppa Martin, Jolene K; John, Lynda Barker; Robinson, Rachael; Wallis, Kay; Peterson, Cole Christian; Mizuko, Mark I; Schaefer, Susan Elizabeth; Tschekunow, Jill, 4 cr

8597 Part-Time CSD Graduate Internship in Education Settings
 (A-F only; prereq 5260, 8497 and instructor consent; \$43.75 course fee in addition to tuition)
 65242 001 FWK, instruction mode: Independent/Directed Studies; Course is arranged.; Carlson, Lynette Rene, 5 cr

8697 Part-Time CSD Graduate Internship in Medical Setting
 (max crs 10; A-F only; prereq 5205, 5260, 8232, 8497 and instructor consent; \$43.75 course fee in addition to tuition)
 65243 001 FWK, instruction mode: Independent/Directed Studies; Course is arranged.; Carlson, Lynette Rene, 5 cr

8797 Full-Time CSD Graduate Externship in Education Settings
 (A-F only; prereq 5260, 8697 and instructor consent; \$43.75 course fee in addition to tuition)
 65244 001 FWK, instruction mode: Independent/Directed Studies; Course is arranged.; Wallis, Kay; Carlson, Lynette Rene, 6 cr

8897 Full-Time CSD Graduate Externship in Medical Settings
 (A-F only; prereq 5205, 5260, 8232, 8597 and instructor consent; \$43.75 course fee in addition to tuition)
 65245 001 FWK, instruction mode: Independent/Directed Studies; Course is arranged.; Wallis, Kay; Carlson, Lynette Rene, 6 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

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 instructor consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT3; \$71.75 course fee in addition to tuition)
 001 LEC, 12:00pm-12:50pm MW, MonH 80, instruction mode: Classroom; Khan, Arshia Anjum
 62765 002 LAB, 10:00am-10:50am F, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 3 cr
 62766 003 LAB, 11:00am-11:50am F, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 3 cr
 62767 004 LAB, 12:00pm-12:50pm F, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 3 cr
 63395 005 LAB, 01:00pm-01:50pm F, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 3 cr
 63411 006 LAB, 02:00pm-02:50pm F, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 3 cr
 63615 007 LAB, 03:00pm-03:50pm F, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 3 cr
 67264 008 LAB, 04:00pm-04:50pm F, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 3 cr

1411 Introduction to Programming in Matlab
 (A-F only; prereq one to two years of high school math or instructor consent; \$71.75 course fee in addition to tuition)
 001 LEC, 03:30pm-04:45pm TTh, LSci 185, instruction mode: Classroom; Holtz, Steven J
 65070 002 LAB, 10:00am-11:50am W, MWAH 177, instruction mode: Classroom; Holtz, Steven J, 4 cr
 65071 003 LAB, 12:00pm-01:50pm W, MWAH 177, instruction mode: Classroom; Holtz, Steven J, 4 cr
 65072 004 LAB, 02:00pm-03:50pm W, MWAH 177, instruction mode: Classroom; Holtz, Steven J, 4 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 instructor consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT3; \$71.75 course fee in addition to tuition)
 001 LEC, 10:00am-10:50am MWF, SCC 120, instruction mode: Classroom; Khan, Arshia Anjum
 002 DIS, 08:00am-08:50am T, HH 306, instruction mode: Classroom; Khan, Arshia Anjum
 62081 003 LAB, 08:00am-08:50am Th, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 5 cr
 004 DIS, 11:00am-11:50am T, BohH 346, instruction mode: Classroom; Khan, Arshia Anjum
 62083 005 LAB, 11:00am-11:50am Th, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 5 cr
 006 DIS, 12:00pm-12:50pm T, SpHC 210, instruction mode: Classroom; Khan, Arshia Anjum
 62085 007 LAB, 12:00pm-12:50pm Th, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 5 cr
 008 DIS, 01:00pm-01:50pm T, HH 216, instruction mode: Classroom; Khan, Arshia Anjum
 62426 009 LAB, 01:00pm-01:50pm Th, MWAH 177, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/2014.); Khan, Arshia

- Anjum, 5 cr
010 DIS, 03:00pm-03:50pm T, Chem 155, instruction mode: Classroom; Khan, Arshia Anjum
62682 011 LAB, 03:00pm-03:50pm Th, MWAH 177, instruction mode: Classroom; Khan, Arshia Anjum, 5 cr
- 1521 Computer Science II**
(A-F only; prereq 1511 or 1581, a grade of C- or better is required in all prerequisite courses; \$71.75 course fee in addition to tuition)
001 LEC, 03:00pm-03:50pm MWF, LSci 175, instruction mode: Classroom; Holtz, Steven J
002 DIS, 08:00am-08:50am Th, HH 306, instruction mode: Classroom; Holtz, Steven J
63139 003 LAB, 08:00am-08:50am T, MWAH 177, instruction mode: Classroom; Holtz, Steven J, 5 cr
004 DIS, 09:00am-09:50am Th, HH 306, instruction mode: Classroom; Holtz, Steven J
62090 005 LAB, 09:00am-09:50am T, MWAH 177, instruction mode: Classroom; Holtz, Steven J, 5 cr
006 DIS, 10:00am-10:50am Th, HH 306, instruction mode: Classroom; Holtz, Steven J
62092 007 LAB, 10:00am-10:50am T, MWAH 177, instruction mode: Classroom; Holtz, Steven J, 5 cr
008 DIS, 11:00am-11:50am Th, HH 306, instruction mode: Classroom; Holtz, Steven J
62094 009 LAB, 11:00am-11:50am T, MWAH 177, instruction mode: Classroom; Holtz, Steven J, 5 cr
010 DIS, 12:00pm-12:50pm Th, HH 306, instruction mode: Classroom; Holtz, Steven J
62428 011 LAB, 12:00pm-12:50pm T, MWAH 177, instruction mode: Classroom; Holtz, Steven J, 5 cr
- 2511 Software Analysis and Design**
(prereq 1521 or instructor consent, a grade of C- or better is required in all prerequisite courses; \$71.75 course fee in addition to tuition)
001 LEC, 09:30am-10:45am TTh, Cina 202, instruction mode: Classroom; Colburn, Timothy Robert
002 DIS, 08:00am-08:50am F, HH 306, instruction mode: Classroom; Colburn, Timothy Robert
62115 003 LAB, 08:00am-08:50am M, MWAH 177, instruction mode: Classroom; Colburn, Timothy Robert, 4 cr
004 DIS, 11:00am-11:50am F, HH 306, instruction mode: Classroom; Colburn, Timothy Robert
62556 005 LAB, 11:00am-11:50am M, MWAH 177, instruction mode: Classroom; Colburn, Timothy Robert, 4 cr
- 2521 Computer Organization and Architecture**
(prereq 1521, Math 1296 or instructor consent, a grade of C- or better is required in all prerequisite courses; \$71.75 course fee in addition to tuition)
001 LEC, 01:00pm-01:50pm MWF, HH 306, instruction mode: Classroom; Shute, Gary M
62118 002 LAB, 01:00pm-01:50pm T, MWAH 177, instruction mode: Classroom; Shute, Gary M, 4 cr
62119 003 LAB, 02:00pm-02:50pm T, MWAH 177, instruction mode: Classroom; 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, minimum 60 credits or instructor consent, a grade of C- or better is required in all prerequisite courses; meets DLE req of Humanities)
63207 001 LEC, 11:00am-11:50am MTWTF, MWAH 175, instruction mode: Classroom; Colburn, Timothy Robert, 4 cr
- 3221 Operating Systems Practicum**
(A-F only; prereq 2511, 3011 or instructor consent, CIS majors only, minimum 60 credits, a grade of C- or better is required in all prerequisite courses)
001 LEC, 10:00am-10:50am MWF, HH 306, instruction mode: Classroom; Pedersen, Ted
62779 002 LAB, 04:00pm-05:50pm Th, Room TBA, DULUTH, instruction mode: Classroom; Pedersen, Ted, 4 cr
- 3512 Computer Science Theory**
(A-F only; prereq 1521, Math 1296 or 1596 or instructor consent, a grade of C- or better is required in all prerequisite courses)
63372 001 LEC, 08:00am-09:15am TTh, MWAH 175, 10:00am-10:50am W, H 490, instruction mode: Classroom; Dunham, Douglas, 4 cr
- 3996 Internship in Computer Science**
(max crs 3; 3 repeats allowed; S-N only; prereq Computer science junior, instructor consent)
62506 001 FWK, instruction mode: Independent/Directed Studies; Colburn, Timothy Robert, 1-3 cr
- 4411 Data Communications and Network Technology**
(A-F only; prereq 2511, 3011 or instructor consent, CIS majors only, minimum 60 credits, a grade of C- or better is required in all prerequisite courses)
001 LEC, 02:00pm-02:50pm MWF, HH 306, instruction mode: Classroom; Shute, Gary M
62781 002 LAB, 04:00pm-05:50pm T, HH 306, instruction mode: Classroom; Shute, Gary M, 4 cr
- mode: Classroom; Shute, Gary M, 4 cr
- 4531 Software Engineering**
(A-F only; prereq 2511 or instructor consent, a grade of C- or better is required in all prerequisite courses; \$71.75 course fee in addition to tuition)
001 LEC, 02:00pm-03:15pm TTh, MWAH 175, instruction mode: Classroom; Brooks, Andrew
62783 002 LAB, 06:00pm-07:50pm W, MWAH 177, instruction mode: Classroom; Brooks, Andrew, 4 cr
- 4821 Computer Security**
(A-F only; prereq 2511, 2521, 3512 or instructor consent; credit will not be granted if already received for 4711; a grade of C- or better is required in all prerequisite courses)
001 LEC, 10:00am-10:50am MWF, MWAH 175, instruction mode: Classroom; Crouch, Carolyn J
63770 002 LAB, 06:00pm-07:50pm M, Room TBA, DULUTH, instruction mode: Classroom; Crouch, Carolyn J, 4 cr
- 4991 Independent Study**
(max crs 8; 8 repeats allowed; A-F only; prereq instructor consent)
62507 001 IND, instruction mode: Independent/Directed Studies; Maclin, Richard Frank, 1-4 cr
- 4994 Honors Project**
(max crs 3; A-F only; prereq Consent of computer science honors program committee; meets HON req of Honors)
62508 001 IND, instruction mode: Independent/Directed Studies; Colburn, Timothy Robert, 2-3 cr
- 5511 Theory of Computation**
(A-F only; prereq 3512, Math 3326 or instructor consent, a grade of C- or better is required in all prerequisite courses)
65076 001 LEC, 12:00pm-01:40pm TTh, MWAH 175, instruction mode: Classroom; Dunham, Douglas, 4 cr
- 5541 Artificial Intelligence**
(A-F only; prereq 2511, 3512 or instructor consent, a grade of C- or better is required in all prerequisite courses)
001 LEC, 08:00am-09:15am TTh, Cina 224, instruction mode: Classroom; Saeedloei, Neda
65078 002 LAB, 05:00pm-05:50pm Th, MWAH 177, instruction mode: Classroom; Saeedloei, Neda, 4 cr
- 5621 Computer Architecture**
(A-F only; prereq 2521 or instructor consent, a grade of C- or better is required in all prerequisite courses; \$71.75 course fee in addition to tuition)
001 LEC, 01:00pm-01:50pm MWF, MWAH 175, instruction mode: Classroom; Pedersen, Ted
63005 002 LAB, 04:00pm-05:50pm M, MWAH 177, instruction mode: Classroom; Pedersen, Ted, 4 cr
- 5631 Operating Systems**
(A-F only; prereq 2511, 2521 or instructor consent, a grade of C- or better is required in all prerequisite courses; \$71.75 course fee in addition to tuition)
001 LEC, 02:00pm-02:50pm MWF, MWAH 175, instruction mode: Classroom; Brooks, Andrew
62555 002 LAB, 05:00pm-06:50pm T, MWAH 177, instruction mode: Classroom; Brooks, Andrew, 4 cr
- 5651 Computer Networks**
(A-F only; prereq 2511, 2521 or instructor consent, a grade of C- or better is required in all prerequisite courses)
001 LEC, 03:00pm-03:50pm MWF, MWAH 175, instruction mode: Classroom; Wang, Haiyang
65362 002 LAB, 06:00pm-07:50pm Th, TBA, instruction mode: Classroom; Class will meet in MWAH 187.; Wang, Haiyang, 4 cr
- 5721 Computer Graphics**
(A-F only; prereq 2511, Math 2326 or 3326 or 4326 or instructor consent, a grade of C- or better is required in all prerequisite courses)
001 LEC, 09:30am-10:45am TTh, MWAH 175, instruction mode: Classroom; Schroeder, David A
63209 002 LAB, 05:00pm-05:50pm W, Room TBA, DULUTH, instruction mode: Classroom; Schroeder, David A, 4 cr
- 5991 Independent Study**
(max crs 8; 8 repeats allowed; A-F only; prereq instructor consent)
63951 001 IND, instruction mode: Independent/Directed Studies; Dunham, Douglas, 1-4 cr
63952 002 IND, instruction mode: Independent/Directed Studies, 1-4 cr
63953 003 IND, instruction mode: Independent/Directed Studies; Shute, Gary M, 1-4 cr
63954 004 IND, instruction mode: Independent/Directed Studies; Maclin, Richard Frank, 1-4 cr
63955 005 IND, instruction mode: Independent/Directed Studies; Turner, Hudson, 1-4 cr
63956 006 IND, instruction mode: Independent/Directed Studies; Pedersen, Ted, 1-4 cr
63957 007 IND, instruction mode: Independent/Directed Studies; Willemssen, Peter, 1-4 cr
63958 008 IND, instruction mode: Independent/Directed
- Studies; Wang, Haiyang, 1-4 cr
63959 009 IND, instruction mode: Independent/Directed Studies, 1-4 cr
- 5994 Advanced Topics in Computer Science**
(A-F only; prereq Grad student or instructor consent)
001 LEC, 03:30pm-04:45pm TTh, MWAH 175, 11:00am-11:50am Th, MWAH 175, instruction mode: Classroom; Saeedloei, Neda
68678 002 LAB, instruction mode: Classroom, 4 cr
- 8631 Advanced Systems Programming**
(A-F only; prereq 5631, 5641 or instructor consent)
63805 001 LEC, 09:00am-09:50am MWF, MWAH 175, 08:00am-08:50am W, MWAH 175, instruction mode: Classroom; Wang, Haiyang, 4 cr
- 8771 Advanced Computational Logic**
(A-F only; prereq 4511 or instructor consent; grad student)
63216 001 LEC, 09:00am-09:50am MWF, HH 306, 08:00am-08:50am W, HH 306, instruction mode: Classroom; 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))
62618 001 IND, instruction mode: Independent/Directed Studies; Dunham, Douglas, 1-24 cr
62619 002 IND, instruction mode: Independent/Directed Studies; Crouch, Carolyn J, 1-24 cr
62620 003 IND, instruction mode: Independent/Directed Studies; Shute, Gary M, 1-24 cr
62621 005 IND, instruction mode: Independent/Directed Studies; Maclin, Richard Frank, 1-24 cr
62622 006 IND, instruction mode: Independent/Directed Studies; Turner, Hudson, 1-24 cr
62623 007 IND, instruction mode: Independent/Directed Studies; Pedersen, Ted, 1-24 cr
62624 008 IND, instruction mode: Independent/Directed Studies; Willemssen, Peter, 1-24 cr
62625 009 IND, instruction mode: Independent/Directed Studies; Wang, Haiyang, 1-24 cr
62706 010 IND, instruction mode: Independent/Directed Studies; , 1-24 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)
62982 001 LEC, 11:00am-12:50pm TTh, SCC 120, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Maahs, Jeffrey Robert, 4 cr

2311 Criminological Theory

(A-F only; prereq 1301, 15 credits; credit will not be granted if already received for SOC 2311.)
62751 001 LEC, 08:00am-09:40am TTh, Chem 150, instruction mode: Classroom; Arthur, John A, 4 cr

3322 Law and Society

(A-F only; prereq 30 credits or instructor consent; credit will not be granted if already received for SOC 3322)
65058 001 LEC, 08:00am-09:15am TTh, Cina 308, instruction mode: Classroom; Grana, Sheryl Judith, 3 cr

3324 Sociology of Criminal Law

(A-F only; prereq 30 credits or instructor consent; credit will not be granted if already received for SOC 3324)
65059 001 LEC, 11:30am-12:45pm MW, Room TBA, DULUTH, instruction mode: Classroom; Vollum, Scott, 3 cr

3336 Crime and the Media

(A-F only; prereq Minimum 30 credits or instructor consent; credit will not be granted if already received for SOC 3336)
67807 001 LEC, 05:00pm-07:40pm M, Cina 224, instruction mode: Classroom; Maahs, Jeffrey Robert, 3 cr

3344 Law Enforcement and Society

(A-F only; prereq 30 credits or instructor consent; credit will not be granted if already received for SOC 3344)
64883 001 LEC, 04:00pm-06:40pm T, Cina 102, instruction mode: Classroom; Ramsay, Gordon Scott, 3 cr

3369 Correctional Assessment and Intervention

(A-F only; prereq Minimum 30 credits or instructor consent; credit will not be granted if already received for SOC 3369)
67808 001 LEC, 09:30am-10:45am TTh, BohH 104, instruction mode: Classroom; Maahs, Jeffrey Robert, 3 cr

3380 Death Penalty
(A-F only; prereq minimum 30 credits)
65060 001 LEC, 02:00pm-03:15pm MW, MonH 203, instruction mode: Classroom; Vollum, Scott, 3 cr

3395 Special Topics: (Various Titles to be Assigned)
(max crs 6; 3 repeats allowed; A-F only; prereq 30 credits or instructor consent; maximum 6 credits allowed between SOC 3395 and CRIM 3395)

67809 001 LEC, 04:00pm-06:50pm W, CINA 106, instruction mode: Classroom; In this course we will be examining issues of crime, justice & injustice as depicted in the HBO television series *The Wire*. The *Wire* is a television show that has been referred to as 'social science fiction' in that, though fictional, it depicts real social problems related to social inequality, crime, criminal justice, drugs, violence, politics, education, media and economics. The show focuses on inner-city Baltimore and surrounds the drug trade and the war on drugs. It goes far beyond these central issues with each season drawing in a focus on different social institutions and aspects of society. These include a focus on the port/docks (season 2), politics/city hall (season 3), education (season 4) and media (season 5). But, as Lester Freamon says 'all the pieces matter'....all is interconnected when considering justice and injustice in society.; Vollum, Scott, 3 cr; T:Crime, Justice and The Wire

4305 Mentally Ill Offenders in the Criminal Justice System
(A-F only; prereq Criminology or Sociology majors with minimum 60 credits; no grad credit)

67810 001 LEC, 09:30am-10:45am TTh, CINA 106, instruction mode: Classroom; Buffington-Vollum, Jacqueline, 3 cr

4384 Child Abuse and Child Protection in Minnesota

(A-F only; prereq 90 credits or Grad Student or instructor consent; credit will not be granted if already received for SOC 4384)

65053 001 LEC, 06:00pm-08:40pm Th, CINA 102, instruction mode: Classroom; Wolf JD, Dale A, 3 cr

4391 Independent Study in Criminology

(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent; maximum 6 credits allowed between SOC 4991 and CRIM 4391, no grad credit)

64201 001 IND, instruction mode: Independent/Directed Studies; Weidner, Robert R, 1-6 cr

4399 Honors Project Criminology

(max crs 16; A-F only; prereq 90 credits, approval by department honors program director, no grad credit, maximum 8 credits allowed between SOC 4999 and CRIM 4399; meets HON req of Honors)

64203 001 IND, instruction mode: Independent/Directed Studies; Weidner, Robert R, 1-8 cr

4910 Teaching Assistantship in Criminology

(max crs 3; 3 repeats allowed; A-F only; prereq 60 credits, instructor consent, no grad credit, maximum 3 credits allowed between SOC 4997, SOC 4910 and CRIM 4397, CRIM 4910)

64202 001 FWK, instruction mode: Independent/Directed Studies; Arthur, John A, 1-3 cr

8600 Practicum in Criminology

(max crs 15; 3 repeats allowed; S-N only; prereq Grad student or instructor consent)

63149 001 FWK, instruction mode: Independent/Directed Studies; 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))

63150 001 IND, instruction mode: Independent/Directed Studies; Maahs, Jeffrey Robert, 1-18 cr

8900 Directed Readings

(max crs 6; 6 repeats allowed; A-F only; prereq Grad student or instructor consent)

63151 001 IND, instruction mode: Independent/Directed Studies; Maahs, Jeffrey Robert, 1-6 cr

CULTURAL ENTREPRENEURSHIP (CUE)

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

1001 Culture Industry and Creative Economy

(A-F only; meets DLE req of Global Perspectives)

65239 001 LEC, 11:00am-11:50am MWF, SCC 21, instruction mode: Classroom; Katre, Aparna, 3 cr

68587 002 LEC, 09:00am-09:50am MWF, BohH 108, instruction mode: Classroom; Katre, Aparna, 3 cr

3002 Foundations of Cultural Entrepreneurship and Culture Management II

(A-F only; prereq 3001)

68588 001 LEC, 04:00pm-06:45pm M, ABAA 225, instruction mode: Classroom; Katre, Aparna, 3 cr

CULTURAL STUDIES (CSi)

228 CINA, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011

218/726-7801, <http://www.d.umn.edu/socanht/>

College of Liberal Arts

3080 Cultural Constructions of the Body

(A-F only; prereq Minimum 30 credits or instructor consent)

67817 001 LEC, 10:00am-11:40am TTh, Room TBA, DULUTH, instruction mode: Classroom; Emad, Mitra C, 4 cr

4653 Cultural Studies Senior Seminar/Capstone

(A-F only; prereq 1101, CSt minor, no grad credit)

62844 001 LEC, 01:00pm-02:40pm TTh, Room TBA, DULUTH, instruction mode: Classroom; Emad, Mitra C, 4 cr

4691 Independent Study in Cultural Studies

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

62753 001 IND, instruction mode: Independent/Directed Studies; Emad, Mitra C, 1-4 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

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)

62856 001 LAB, 08:30am-09:40am MWF, MPAC 1, instruction mode: Classroom; Grussendorf, 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)

61929 001 LAB, 08:00am-09:45am TTh, MPAC 1, instruction mode: Classroom; White, LilaAnn Coates, 2 cr

62750 002 LAB, 10:00am-11:45am TTh, MPAC 1, instruction mode: Classroom; 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)

64990 001 LAB, 04:15pm-04:50pm MWF, MPAC 1, instruction mode: Classroom; White, LilaAnn Coates, 1 cr

3201 Modern Dance Technique II

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

63367 001 LAB, 12:00pm-01:10pm MWF, MPAC 1, instruction mode: Classroom; Katz Harwood, Rebecca, 2 cr

3211 Jazz Dance Technique II

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

62747 001 LAB, 12:00pm-01:45pm TTh, MPAC 1, instruction mode: Classroom; Bergeron, Ann Aiko, 2 cr

3221 Tap Dance Technique II

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

61932 001 LAB, 01:30pm-02:40pm MWF, MPAC 21, instruction mode: Classroom; Bergeron, Ann Aiko, 2 cr

3231 Ballet Technique II

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

63300 001 LAB, 01:30pm-02:40pm MWF, MPAC 1, instruction mode: Classroom; White, LilaAnn Coates, 2 cr

3401 Dance Composition

(A-F only; prereq instructor consent)

68650 001 LAB, 10:00am-11:50am TTh, MPAC 21, instruction mode: Classroom, 3 cr

3991 Independent Study in Dance

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

62998 001 IND, instruction mode: Independent/Directed Studies; Katz Harwood, Rebecca; Bergeron, Ann Aiko, 1-3 cr

3995 Special Topics (Various Titles to be Assigned)

(max crs 9; 9 repeats allowed; A-F only)

68664 001 LAB, 09:00am-09:50am TTh, MPAC 21, instruction mode: Classroom, 1 cr; T: Tap Dance Fundamentals

4116 Musical Theatre Audition Techniques

(A-F only; prereq instructor consent, no grad credit)

62857 001 LAB, 10:00am-11:15am MWF, MPAC 1, instruction mode: Classroom; Katz Harwood, Rebecca; Kust,

Andrew David, 3 cr

4331 Ballet Technique III

(max crs 12; 6 repeats allowed; A-F only; prereq 3231, instructor consent; no grad credit)

63164 001 LAB, 02:50pm-04:00pm MWF, MPAC 1, instruction mode: Classroom; 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, instructor consent; no grad credit)

62820 001 DIS, instruction mode: Classroom; Bergeron, Ann Aiko; Katz Harwood, Rebecca, 2 cr

5991 Independent Study In Dance

(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent; undergrads max 6 cr in 3991 and 5991 combined)

62999 001 IND, instruction mode: Independent/Directed Studies; Bergeron, Ann Aiko; Katz Harwood, Rebecca, 1-3 cr

5997 Internship in Professional Dance

(max crs 12; 12 repeats allowed; A-F only; prereq department approval; 1 cr for each 45 hrs of work)

61939 001 FWK, instruction mode: Independent/Directed Studies; 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

2025 Educating the Human Brain

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

64218 001 LEC, 11:00am-11:50am TTh, EduE 51, instruction mode: Partially Online; Additional course hours will be required in an on-line learning environment.; Harney, Molly A, 3 cr

64219 002 LEC, 12:00pm-12:50pm TTh, EduE 51, instruction mode: Partially Online; Additional course hours will be required in an on-line learning environment.; Harney, Molly A, 3 cr

3021 Teaching Mathematics: Birth-Age Eight

(A-F only; prereq Admission to the ECh program)

63275 001 LEC, 11:00am-12:50pm TTh, MonH 121, instruction mode: Classroom; Wohlhuter, Kay A., 4 cr

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

(A-F only; prereq Admission to the ECh program)

63276 001 LEC, 11:00am-11:50am MWF, MonH 151, instruction mode: Classroom; Additional course hours will be required in an online learning environment.; Onchwari, Ariri Jackie, 4 cr

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

(prereq ECh major, 2010, 3010, Must be taken either after or concurrently with ECH 4011 and SpEd 3105)

62391 001 LEC, 10:00am-10:50am M, MonH 121, instruction mode: Classroom; This course will meet MTWTh-Mondays, 10-10:50 am, in MonH 121, Wednesdays 10-10:50 am in MonH 151, and TTh, 9:30-10:45 am in MonH 151-practicum arr.; Ruark, Elizabeth Ann, 5 cr

3050 Observing and Guiding Behavior: Birth-Age Eight

(prereq UECh major, 2010, 3010, SpEd 3103)

62406 001 LEC, instruction mode: Correspondence; Course will meet in an online learning environment; practicum arr.; Marchel, Mary Ann, 4 cr

3055 Creative Expressions and Emergent Literacy: Birth-Age 8

(A-F only; prereq Admission to the UECh program)

63132 001 LEC, 09:30am-11:50am TTh, EduE 17, instruction mode: Partially Online; Additional course hours will be required in an on-line learning environment.; Onchwari, Ariri Jackie, 4 cr

3060 Teaching Culturally and Linguistically Diverse Children

(A-F only; prereq Admission to the ECh program or instructor consent)

63820 001 LEC, 10:00am-10:50am W, MonH 121, instruction mode: Partially Online; Additional course hours will be required in an online learning environment.; Bouchie, Jennifer A, 3 cr

3104 Family Partnerships

(A-F only; prereq Admission to the UECh program; \$43.75 course fee in addition to tuition)

63636 001 FWK, 09:00am-09:50am W, MonH 121, instruction mode: Classroom; Bouchie, Jennifer A, 1 cr

4009 Leadership in Early Childhood Studies

(A-F only; prereq Admission to UECh program; no grad credit)

63415 001 LEC, 02:00pm-05:00pm S, MonH 121, 04/11/15-04/11/15, 02:00pm-05:00pm S, MonH 121, 04/18/15-04/18/15, 02:00pm-05:00pm S, MonH 121, 04/25/15-04/25/15, 02:00pm-05:00pm S, MonH 121, 05/02/15-05/02/15, instruction mode: Partially Online; Course meets on Saturday, Apr. 11, Apr. 18, Apr. 25, and May 2, 2015, with remaining course hours required in an online learning environment.; Bouchie, Jennifer A, 3 cr

4400 Professional Development Seminar

(max crs 3; 3 repeats allowed; A-F only; prereq instructor consent; no grad credit; \$43.75 course fee in addition to tuition)

62683 001 DIS, 01:00pm-01:50pm W, MonH 151, instruction mode: Classroom; Block 1 students only; Bouchie, Jennifer A, 1 cr
62701 002 DIS, 01:00pm-01:50pm Th, MonH 121, instruction mode: Classroom; Block 3 students only; Bouchie, Jennifer A, 1 cr

4600 Student Teaching in Early Childhood/Primary

(max crs 12; S-N; prereq 3005, 3007 or instructor consent; no grad credit; \$43.75 course fee in addition to tuition)

62404 001 FWK, instruction mode: Independent/Directed Studies; , 12 cr
62953 002 FWK, instruction mode: Independent/Directed Studies; , 12 cr
62954 003 FWK, instruction mode: Independent/Directed Studies; , 12 cr
62955 004 FWK, instruction mode: Independent/Directed Studies; , 12 cr
62956 005 FWK, instruction mode: Independent/Directed Studies, 6 cr
62978 006 FWK, instruction mode: Independent/Directed Studies, 6 cr
63393 007 FWK, instruction mode: Independent/Directed Studies; , 6 cr

4991 Independent Study

(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent; no grad credit)

62405 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr
63708 002 IND, instruction mode: Independent/Directed Studies, 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 credit to economics major or minor or BA or BBA majors; meets DLE req of Social Sciences; meets LE req of LE CAT8)

62662 001 LEC, 12:30pm-01:45pm TTh, LSBE 118, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015.); 5 seats reserved for University Studies - EXPIRES 13-JAN-2015; Taiwan, Ariuna, 3 cr

1022 Principles of Economics: Macro

(A-F only; prereq Minimum 15 credits or department consent; meets DLE req of Social Sciences; meets LE req of LE CAT6)

63967 001 LEC, 06:00pm-08:40pm M, LSBE 118, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 1/13/2015); 3 seats reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
62934 002 LEC, 12:00pm-12:50pm MWF, LSBE 118, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 1/13/2015); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; Donayre, Luiggi, 3 cr
61923 003 LEC, 05:00pm-06:15pm TTh, LSBE 118, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 1/13/2015); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr

1023 Principles of Economics: Micro

(A-F only; prereq Minimum 15 credits or department consent; meets DLE req of Social Sciences; meets LE req of LE CAT6)

61924 001 LEC, 11:00am-12:15pm TTh, LSBE 118, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 1/13/2015); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; Tadesse, Bedassa, 3 cr
61925 002 LEC, 10:00am-10:50am MWF, LSBE 118, instruction mode: Classroom; (Open UST reserved seats will

be available to all students on 01/13/15); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; Nene, Gibson, 3 cr

62676 003 LEC, 02:00pm-02:50pm MWF, LSBE 118, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 1/14/2014); Li, Josefina Yueqiao, 3 cr

2030 Applied Statistics for Business and Economics

(A-F only; prereq minimum 30 credits, LSBE student, pre-business or pre-accounting or Econ BA major or Econ minor or Accounting minor or Business Admin minor; credit will not be granted if already received for Econ 2020, Stat 1411, Stat 2411, Stat 3611, Soc 3151, Psy 3020; meets DLE req of Logic & Quantitative Reasoning)

62848 001 LEC, 11:00am-11:50am MWF, LSBE 135, instruction mode: Classroom; (LSBE students, Econ majors or minors, non-LSBE Bus Adm or Acct minors); Li, Josefina Yueqiao, 3 cr
62849 002 LEC, 12:00pm-12:50pm MWF, LSBE 125, instruction mode: Classroom; (LSBE students, Econ majors or minors, non-LSBE Bus Adm or Acct minors); Nene, Gibson, 3 cr
62850 003 LEC, 08:00am-09:15am TTh, LSBE 125, instruction mode: Classroom; (LSBE students, Econ majors or minors, non-LSBE Bus Adm or Acct minors); Li, Josefina Yueqiao, 3 cr
62851 004 LEC, 11:00am-12:15pm TTh, LSBE 129, instruction mode: Classroom; (LSBE students, Econ majors or minors, non-LSBE Bus Adm or Acct minors); Nene, Gibson, 3 cr

3022 Intermediate Macroeconomics

(A-F only; prereq 1022, 1023, Math 1160 or Math 1296, Econ major or minor or LSBE candidate)

63816 001 LEC, instruction mode: Correspondence; Taiwan, Ariuna, 3 cr

3023 Intermediate Microeconomics

(A-F only; prereq 1022, 1023, Math 1160 or Math 1296, Econ major or minor or LSBE candidate)

63128 001 LEC, 12:30pm-01:45pm TTh, LSBE 129, instruction mode: Classroom; Wilmot, Neil A, 3 cr

3150 Development Economics

(A-F only; prereq 1022, 1023)

62940 001 LEC, 02:00pm-03:15pm TTh, LSBE 118, instruction mode: Classroom; Tadesse, Bedassa, 3 cr

3311 Money and Banking

(A-F only; prereq 1022, Econ major or minor or LSBE candidate)

64888 001 LEC, 10:00am-10:50am MWF, LSBE 125, instruction mode: Classroom; Donayre, Luiggi, 3 cr

3402 Global Economic Issues

(A-F only; prereq LSBE candidate or Econ major or Econ minor)

68418 001 LEC, 09:30am-10:45am TTh, LSBE 118, instruction mode: Classroom; 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)

65546 001 LEC, 03:30pm-04:45pm TTh, LSBE 129, instruction mode: Classroom; Li, Josefina Yueqiao, 3 cr

3910 Economics of Health Care

(A-F only; prereq 1022, 1023, Econ major or minor or LSBE cand)

63064 001 LEC, 09:00am-09:50am MWF, LSBE 125, instruction mode: Classroom; Schultz, Jennifer, 3 cr

4040 Econometrics II

(A-F only; prereq 3030 or Stat 5511 or MKTG 3761)

64361 001 LEC, 09:30am-10:45am TTh, LSBE 237, instruction mode: Classroom; Wilmot, Neil A, 3 cr

4315 Monetary Theory and Policy

(A-F only; prereq 3022)

65547 001 LEC, 02:00pm-02:50pm MWF, LSBE 233, instruction mode: Classroom; Donayre, Luiggi, 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, instructor consent; no grad credit)

62565 001 FWK, instruction mode: Independent/Directed Studies; McIntosh, Christopher Richard, 3 cr

4512 Firm Decision and Strategy

(A-F only; prereq 3023, 3030 or STAT 5511; no grad credit)

64913 001 LEC, 11:00am-12:15pm TTh, LSBE 165, instruction mode: Classroom; McIntosh, Christopher Richard, 3 cr

4991 Independent Study

(max crs 6; 6 repeats allowed; A-F only; prereq Economics major, 12 credits of Econ 3xxx or above, instructor

consent)

61922 001 IND, instruction mode: Independent/Directed Studies; McIntosh, Christopher Richard, 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)

62409 001 LEC, 08:00am-09:15am TTh, MonH 151, instruction mode: Classroom; Dietrich, Jane Ellen, 3 cr
62410 002 LEC, 11:00am-11:50am MWF, MonH 121, instruction mode: Classroom; 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)

62158 001 LEC, 03:30pm-04:45pm TTh, MonH 203, instruction mode: Classroom; Practicum 2 hrs per week arranged. (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Mweti, Chang'aa, 3 cr
62403 002 LEC, instruction mode: Correspondence; Practicum 2 hrs per wk arranged. Course will be conducted in an on-line learning environment. (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Hazareesingh, Nedra A, 3 cr

1101 Education in Modern Society

(A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)

62407 001 LEC, 02:00pm-02:50pm MWF, MonH 80, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Guldbrandsen, Frank A, 3 cr
62408 002 LEC, 04:00pm-06:50pm T, MonH 80, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Giisczinski, Daniel Joseph, 3 cr

1201 Managing Planet Earth

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

62438 001 LEC, instruction mode: Correspondence; Course will meet in an online learning environment.; Kwako, Joan, 3 cr

2000 Technology for Teaching and Learning

(A-F only; prereq minimum 12 credits; \$71.75 course fee in addition to tuition)

64761 001 LEC, 03:00pm-04:50pm M, MonH 239, instruction mode: Partially Online; Additional course hours will be required in an online learning environment.; Mongan-Rallis, Helen, 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)

64220 001 LEC, 09:30am-10:45am TTh, KAML 409, instruction mode: Classroom; Atella, John J, 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)

64221 001 LEC, 11:00am-11:50am TTh, BohH 104, instruction mode: Classroom; Seydow, Megan, 2 cr
65001 002 LEC, 01:00pm-01:50pm TTh, MonH 151, instruction mode: Classroom; Atella, John J, 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)

64746 001 LEC, 11:00am-11:50am TTh, BohH 108, instruction mode: Classroom; McInnes, Brian D, 2 cr

3412 The Computer in Education

(A-F only; prereq Pre education or education majors or candidates; \$71.75 course fee in addition to tuition)

62413 001 LEC, 01:00pm-02:50pm MW, MonH 239, instruction mode: Classroom; McCarthy PhD, David Albert, 4 cr
62414 002 LEC, 10:00am-11:50am MW, MonH 209, instruction mode: Classroom; McCarthy PhD, David Albert, 4 cr
62784 003 LEC, 08:30am-02:30pm MTWThF, MonH 239, 01/05/15-01/16/15, instruction mode: Classroom; (Special term: Jan. 5-16, 2015); McCarthy PhD, David Albert, 4 cr

4040 World Language Teaching Methods

University of Minnesota – Class Schedule for Duluth Campus

Spring 2015

- (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 instructor consent; grad credit; credit will not be granted if already received for LANG 4044)
- 64725 001 LEC, instruction mode: Correspondence; This course will be conducted in an online learning environment.; McInnes, Brian D, 4 cr
- 4110 Advanced Earth Science for Teachers**
(A-F only; prereq AST 1040, EDSE 3204, GEOL 1110, 2110 or 2120 or 3210; teaching science majors or grad student or instructor consent; no grad credit, credit will not be granted if already received for GEOL 4110)
- 66345 001 LEC, 11:00am-11:50am TTh, MonH 151, instruction mode: Partially Online; Additional course hours will be required in an online learning environment.; Munson, Bruce H, 2 cr
- 4226 Geometry for Teachers in Grades 5-8**
(A-F only; prereq Math 1141 or 1296)
- 63138 001 LEC, 06:00pm-08:50pm T, MonH 121, instruction mode: Classroom; Wohlhuter, Kay A., 3 cr
- 4234 Science, Technology, and Society**
(A-F only; prereq Minimum 30 credits, no grad credits; meets DLE req of Sustainability)
- 62663 001 LEC, 03:30pm-04:45pm TTh, MonH 151, instruction mode: Classroom; Kwako, Joan, 3 cr
- 4347 Second Language Acquisition & ELL: How Second Languages are Learned & Methods for Teaching**
(A-F only; prereq IESE candidate, 3326; no grad credit; credit will not be granted if already received for ELED 4347)
- 64748 001 LEC, instruction mode: Correspondence; 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 credit; credit will not be granted if already received for EDUC 5381.; \$43.75 course fee in addition to tuition)
- 63961 002 LEC, instruction mode: Correspondence; Course will be conducted in an on-line learning environment.; Gould, Roxanne J, 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 credit)
- 62412 001 LEC, instruction mode: Correspondence; This course will be meet in an online learning environment.; Hazareesingh, Nedra A, 1 cr
- 4991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent; no grad credit)
- 62439 001 IND, instruction mode: Independent/Directed Studies; , 0.50-3 cr
- 5413 Teaching With Technology**
(A-F only; prereq 3412 or 5412, min 60 cr or coll grad or instructor consent; \$71.75 course fee in addition to tuition)
- 63213 001 LEC, 05:00pm-08:50pm Th, MonH 239, instruction mode: Classroom; Munson, Bruce H, 4 cr
- 5415 Teaching Online and Hybrid Courses**
(A-F only; prereq Min 60 cr or coll grad, 3412 or 5412, 5413, 5414 or instructor consent; \$71.75 course fee in addition to tuition)
- 65002 001 LEC, 05:00pm-08:50pm M, MonH 239, instruction mode: Classroom; Mongan-Rallis, Helen, 4 cr
- 5990 Research Project**
(max crs 36; 6 repeats allowed; S-N; prereq Instructor consent)
- 62647 001 LEC, 02:30pm-04:00pm S, MonH 121, 01/31/15-01/31/15, instruction mode: Primarily Online; Registration for Cohort 23 only. Course meets with all Educ 5990 sections on Saturday, Jan. 31, 2015, in MonH 121 with the remaining course hours required in an online learning environment.; Rauschenfels, Diane Jane, 4 cr
- 62648 002 LEC, 02:30pm-04:00pm S, TBA, 01/31/15-01/31/15, instruction mode: Primarily Online; Registration for Cohort 23 only. Course meets with all Educ 5990 sections on Saturday, Jan. 31, 2015, in MonH 121 with the remaining course hours required in an online learning environment.; Gulbrandsen, Frank A, 4 cr
- 62649 003 LEC, 02:30pm-04:00pm S, TBA, 01/31/15-01/31/15, instruction mode: Primarily Online; Registration for Cohort 23 only. Course meets with all Educ 5990 sections on Saturday, Jan. 31, 2015, in MonH 121 with the remaining course hours required in an online learning environment.; Brice, Lynn M, 4 cr
- 62650 004 LEC, 02:30pm-04:00pm Su, MonH 121, 02/01/15-02/01/15, instruction mode: Primarily Online; Registration for Cohort 24 only. Course meets with all Educ 5990 sections on Sunday, Feb. 1, 2015, in MonH 121 with the remaining course hours required in an online learning environment.; , 4 cr
- 63760 006 LEC, 02:30pm-04:00pm Su, TBA, 02/01/15-02/01/15, instruction mode: Primarily Online; Registration for Cohort 24 only. Course meets with all Educ 5990 sections on Sunday, Feb. 1, 2015, in MonH 121 with the remaining course hours required in an online learning environment.; Strand, Joyce, 4 cr
- 64282 007 LEC, 02:30pm-04:00pm Su, TBA, 02/01/15-02/01/15, instruction mode: Primarily Online; Registration for Cohort 24 only. Course meets with all Educ 5990 sections on Sunday, Feb. 1, 2015, in MonH 121 with the remaining course hours required in an online learning environment.; Zak, Kevin Michael, 4 cr
- 64743 008 LEC, instruction mode: Primarily Online; Registration for EnEd Masters students only.; Zak, Kevin Michael, 1-6 cr
- 65358 009 LEC, instruction mode: Primarily Online; Registration for EnEd Masters students only.; Munson, Bruce H, 1-6 cr
- 66343 010 LEC, instruction mode: Classroom; Registration for EnEd Masters students only.; Johnson, Christopher William, 1-6 cr
- 5991 Independent Study**
(max crs 8; 8 repeats allowed; A-F only; prereq Instructor consent)
- 62440 001 IND, instruction mode: Independent/Directed Studies; , 0.50-4 cr
- 63112 002 IND, instruction mode: Independent/Directed Studies, 0.50-4 cr
- 64704 003 IND, instruction mode: Independent/Directed Studies, 0.50-4 cr
- 64953 004 IND, instruction mode: Independent/Directed Studies, 0.50-4 cr
- 64954 005 IND, instruction mode: Independent/Directed Studies, 0.50-4 cr
- 64955 006 IND, instruction mode: Independent/Directed Studies, 0.50-4 cr
- 7002 Human Diversity and Exceptionality**
(A-F only; prereq MEd candidate or instructor consent; credit will not be granted if already received for EHS 7002)
- 63973 010 LEC, 06:00pm-09:00pm F, EduE 17, 01/30/15-01/30/15, instruction mode: Primarily Online; Registration for Cohort 25 only. Course meets on Friday, Jan. 30, 2015, with remaining course hours required in an online learning environment.; Onchwari, Ariri Jackie, 2 cr
- 7006 Ethics and Professionalism in Education**
(A-F only; prereq MEd cand or instructor consent; credit will not be granted if already received for EHS 7006)
- 64739 022 LEC, 08:30am-02:00pm S, MonH 121, 01/31/15-01/31/15, instruction mode: Primarily Online; Registration for Cohort 23 only. Course will meet on Saturday, Jan. 31, 2015, with remaining course hours required in an online learning environment.; Gulbrandsen, Frank A, 2 cr
- 66344 025 LEC, 08:30am-02:00pm Su, MonH 121, 02/01/15-02/01/15, instruction mode: Primarily Online; Registration for Cohort 24 only. Course will meet on Sunday, Feb. 1, 2015, with remaining course hours required in an online learning environment.; Gulbrandsen, Frank A, 2 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)
- 64362 010 LEC, 08:30am-04:00pm S, EduE 17, 01/31/15-01/31/15, instruction mode: Primarily Online; Registration for Cohort 25 only. Course will meet on Saturday, Jan. 31, 2015, 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 instructor consent)
- 64363 010 DIS, 08:30am-04:00pm Su, EduE 17, 02/01/15-02/01/15, instruction mode: Primarily Online; Registration for Cohort 25 only. Course will meet on Sunday, Feb. 1, 2015, with remaining course hours required in an on-line learning environment.; Munson, Bruce H, 3 cr
- 8016 Theory and Practice of Qualitative Research Methods**
(A-F; prereq 8015 or equivalent, Ed.D. majors or instructor consent)
- 66346 001 LEC, 08:00am-02:30pm S, EduE 17, 02/07/15-02/07/15, 08:00am-02:30pm S, EduE 17, 03/07/15-03/07/15, 08:00am-02:30pm S, EduE 17, 04/11/15-04/11/15, 08:00am-02:30pm S, EduE 17, 05/02/15-05/02/15, instruction mode: Partially Online; Registration for Cohort 4 only. Course meets on Saturday, Feb. 7, Mar. 7, Apr. 11, and May 2, 2015. Additional course hours will be required in an online learning environment.; Marchel, Mary Ann, 3 cr
- 8020 Doctoral Seminar**
(max crs 6; 6 repeats allowed; S-N; prereq Ed.D. majors)
- 63431 001 LEC, 02:45pm-06:00pm S, EduE 17, 02/07/15-02/07/15, 02:45pm-06:00pm S, EduE 17, 03/07/15-03/07/15, 02:45pm-06:00pm S, EduE 17, 04/11/15-04/11/15, 02:45pm-06:00pm S, EduE 17, 05/02/15-05/02/15, instruction mode: Partially Online; Registration for EdD Cohort 4 only. Course meets on Saturday, Feb. 7, Mar. 7, Apr. 11, May 2, 2015, with remaining course hours required in an on-line learning environment.; , 1 cr
- 8021 Theories, Principles, and Methodology of Assessment in Organizational Systems**
(A-F; prereq Ed.D. majors)
- 66347 001 LEC, 08:00am-02:30pm Su, EduE 17, 02/08/15-02/08/15, 08:00am-02:30pm Su, EduE 17, 03/08/15-03/08/15, 08:00am-02:30pm Su, EduE 17, 04/12/15-04/12/15, 08:00am-02:30pm Su, EduE 17, 05/03/15-05/03/15, instruction mode: Partially Online; Registration for Cohort 4 only. Course meets on Sunday, Feb. 8, Mar. 8, Apr. 12, and May 3, 2015. Additional course hours will be 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)
- 63974 001 IND, instruction mode: Independent/Directed Studies; Registration for EdD Cohort 2 only.; Marchel, Mary Ann, 1-24 cr
- 64738 002 IND, instruction mode: Independent/Directed Studies; Registration for EdD Cohort 3 only.; Marchel, Mary Ann, 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 instructor consent)

66301 001 LEC, 08:30am-12:00pm S, EduE 51, 01/31/15-01/31/15, 08:30am-12:00pm S, EduE 51, 03/07/15-03/07/15, 08:30am-12:00pm S, EduE 51, 05/02/15-05/02/15, instruction mode: Primarily Online; Course will meet on Saturday, Jan. 31, March 7, and May 2, 2015. Additional course hours will be 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 instructor consent)

63970 001 LEC, instruction mode: Correspondence; 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 instructor consent)

64340 001 LEC, instruction mode: Classroom; Rauschenfels, Diane Jane, 2 cr

5997 Professional Competency Assessment: Principals

(A-F only; prereq EdAd lic program or collegiate graduate program admission or instructor consent)

63840 001 LEC, instruction mode: Correspondence; 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 or collegiate graduate program admission or instructor consent)

63971 001 LEC, instruction mode: Correspondence; 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)

64200 001 FWK, instruction mode: Independent/Directed Studies; Rauschenfels, Diane Jane, 3 cr

6997 Internship: Principals

(S-N; prereq EdAd lic program or collegiate graduate program or instructor consent; \$43.75 course fee in addition to tuition)

66302 001 FWK, instruction mode: Independent/Directed Studies; Rauschenfels, Diane Jane, 6 cr

6998 Internship: Superintendents

(S-N; prereq EdAd lic program or collegiate graduate program admission or instructor consent; \$43.75 course fee in addition to tuition)

63972 001 FWK, instruction mode: Independent/Directed Studies; Rauschenfels, Diane Jane, 6 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)

63086 001 IND, instruction mode: Independent/Directed Studies, 0 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

3206 Apprenticeship: Secondary School

(A-F only; prereq Admission to EdSe program, must be taken either after or concurrently with EDSE 3204; \$43.75 course fee in addition to tuition)

62415 001 FWK, 08:00am-08:50am MW, MonH 121, instruction mode: Independent/Directed Studies; Zak, Kevin Michael, 2 cr

4100 Teaching in a Diverse Society

(A-F only; prereq Admission to EdSe program)

62417 002 LEC, instruction mode: Correspondence; Course will meet in an on-line learning environment.; Robinson, Renita, 3 cr

4204 Designing Learning Environments and Lessons

(A-F only; prereq Admission to EdSe program; no grad credit; \$43.75 course fee in addition to tuition)

66303 001 LEC, 08:00am-09:50am MW, MonH 151, instruction mode: Partially Online; Additional course hours will be required in an online learning environment.; Meets with: 66305 EDSE 5204; Pepelnjak, Erin Kay, 3 cr

66304 002 LEC, 02:00pm-03:50pm MW, EduE 17, instruction mode: Partially Online; Additional course hours will be required in an online learning environment.; Meets with: 66306 EDSE 5204; Pepelnjak, Erin Kay, 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)

63014 002 LEC, 02:00pm-02:50pm MWF, MonH 121, instruction mode: Classroom; 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 or pre teaching comm arts/lit students)

63637 001 LEC, 04:00pm-06:15pm TTh, EduE 40, instruction mode: Classroom; Johnson, Christopher William, 5 cr

4244 Teaching Social Studies: Grades 5-12

(A-F only; prereq Admission to EdSe program, 3204 or instructor consent; no grad credit)

62420 001 LEC, 04:00pm-06:40pm W, MonH 121, instruction mode: Classroom; Brice, Lynn M, 3 cr

4255 Teaching Science: Grades 5-12

(A-F only; prereq Admission to EdSe program, 3204 or instructor consent; no grad credit)

64744 001 LEC, 02:00pm-03:50pm MW, MonH 151, instruction mode: Classroom; Meets with EdSe 5255-1; Meets with: 66307 EDSE 5255; Zak, Kevin Michael, 3 cr

4501 Adolescent/Adult Development and Learning Theory

(A-F only; prereq Admission to EdSe program; no grad credit; \$43.75 course fee in addition to tuition)

62418 001 LEC, 08:00am-09:15am TTh, EduE 51, instruction mode: Partially Online; Additional course hours required in an on-line learning environment; Meets with EdSe 5501-1.; Meets with: 66308 EDSE 5501; Glisczinski, Daniel Joseph, 3 cr

62419 002 LEC, 02:00pm-03:15pm TTh, BohH 108, instruction mode: Partially Online; Additional course hours

required in an on-line learning environment. Meets with EdSe 5501-2.; Meets with: 66309 EDSE 5501; Glisczinski, Daniel Joseph, 3 cr

4525 Assessment for Secondary Education

(A-F; prereq instructor consent; no grad credit)

63758 001 LEC, 09:30am-10:45am TTh, BohH 108, instruction mode: Partially Online; Additional course hours will be required in an on-line learning environment; meets with EdSe 5525-1.; Meets with: 66310 EDSE 5525; Williams, Julia M., 3 cr

4600 Student Teaching

(max crs 12; S-N only; prereq 4100, 4501, appropriate methods course; no grad credit; \$43.75 course fee in addition to tuition)

62590 001 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62704 002 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62963 003 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62964 004 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62965 005 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62966 006 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62967 007 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62968 008 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62969 009 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62970 010 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62971 011 FWK, instruction mode: Independent/Directed Studies; , 12 cr

62976 012 FWK, instruction mode: Independent/Directed Studies; , 12 cr

63101 013 FWK, instruction mode: Independent/Directed Studies; , 6 cr

63103 014 FWK, instruction mode: Independent/Directed Studies; , 6 cr

63392 015 FWK, instruction mode: Independent/Directed Studies; , 6 cr

63399 016 FWK, instruction mode: Independent/Directed Studies; , 6 cr

63400 017 FWK, instruction mode: Independent/Directed Studies; , 6 cr

63401 018 FWK, instruction mode: Independent/Directed Studies; , 6 cr

63402 019 FWK, instruction mode: Independent/Directed Studies; , 6 cr

63403 020 FWK, instruction mode: Independent/Directed Studies; , 6 cr

5204 Designing Learning Environments

(A-F only; prereq Grad student or new faculty at a community college; instructor consent)

66305 001 LEC, 08:00am-09:50am MW, MonH 151, instruction mode: Partially Online; Additional course hours will be required in an online learning environment; meets with EdSe 4204-1; Meets with: 66303 EDSE 4204; Pepelnjak, Erin Kay, 3 cr

66306 002 LEC, 02:00pm-03:50pm MW, EduE 17, instruction mode: Partially Online; Additional course hours will be required in an online learning environment; meets with EdSe 4204-2.; Meets with: 66304 EDSE 4204; Pepelnjak, Erin Kay, 3 cr

5255 Teaching Science Grades 5 - 12

(A-F only; prereq 5000, 5204, 5501, 5525)

66307 001 LEC, 02:00pm-03:50pm MW, MonH 151, instruction mode: Classroom; Meets with EdSe 4255-1; Meets with: 64744 EDSE 4255; Zak, Kevin Michael, 3 cr

5501 Adolescent/Adult Development and Learning Theory

(A-F only; prereq Grad student or faculty at post-secondary institution or instructor consent)

66308 001 LEC, 08:00am-09:15am TTh, EduE 51, instruction mode: Partially Online; Additional course hours will be required in an online learning environment; meets with EdSe 4501-1; Meets with: 62418 EDSE 4501; Glisczinski, Daniel Joseph, 3 cr

66309 002 LEC, 02:00pm-03:15pm TTh, BohH 108, instruction mode: Partially Online; Additional course hours will be required in an online learning environment; meets with EdSe 4501-2.; Meets with: 62419 EDSE 4501; Glisczinski, Daniel Joseph, 3 cr

5525 Assessment for Secondary Education

(A-F only; prereq graduate student, faculty at community college or instructor consent)

66310 001 LEC, 09:30am-10:45am TTh, BohH 108, instruction mode: Partially Online; Additional course hours will be required in an online learning environment; meets with EdSe 4525-1; Meets with: 63758 EDSE 4525;

Williams, Julia M., 3 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/eece>

Swenson College of Science & Engineering

1315 Digital Logic

(A-F only; prereq CE, ChE, CS, EE, IE, ME majors or instructor consent; \$46.50 course fee in addition to tuition)

001 LEC, 10:00am-10:50am MWF, Chem 251, instruction mode: Classroom; Zimmerman, George Lee

61881 002 LAB, 09:00am-12:00pm T, MWAH 291, instruction mode: Classroom; Zimmerman, George Lee, 4 cr

61882 003 LAB, 01:00pm-04:00pm T, MWAH 291, instruction mode: Classroom; Zimmerman, George Lee, 4 cr

2006 Electrical Circuit Analysis

(A-F only; prereq Phys 2015, Math 3280 (Concurrent registration is allowed); \$46.50 course fee in addition to tuition)

001 LEC, 04:00pm-05:15pm TTh, Chem 251, instruction mode: Classroom; Hasan, Mohammed A

62436 002 LAB, 09:00am-12:00pm T, MWAH 391, instruction mode: Classroom; Hasan, Mohammed A, 4 cr

62557 003 LAB, 01:00pm-04:00pm T, MWAH 391, instruction mode: Classroom; Hasan, Mohammed A, 4 cr

004 LEC, 08:00am-08:50am MWF, MWAH 191, instruction mode: Classroom; Zimmerman, George Lee

62923 005 LAB, 04:00pm-07:00pm M, MWAH 391, instruction mode: Classroom; Zimmerman, George Lee, 4 cr

63383 006 LAB, 04:00pm-07:00pm W, MWAH 391, instruction mode: Classroom; Zimmerman, George Lee, 4 cr

2111 Linear Systems and Signal Analysis

(A-F only; prereq 2006; \$46.50 course fee in addition to tuition)

001 LEC, 10:00am-10:50am MWF, KPlz 312, instruction mode: Classroom; Hayee, Imran

61895 002 LAB, 09:00am-12:00pm Th, MWAH 393, instruction mode: Classroom; Hayee, Imran, 4 cr

61896 003 LAB, 01:00pm-04:00pm Th, MWAH 393, instruction mode: Classroom; Hayee, Imran, 4 cr

2212 Electronics I

(A-F only; prereq 2006; \$46.50 course fee in addition to tuition)

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

61899 002 LAB, 09:00am-12:00pm Th, MWAH 391, instruction mode: Classroom; Burns, Stanley G, 4 cr

61900 003 LAB, 01:00pm-04:00pm Th, MWAH 391, instruction mode: Classroom; Burns, Stanley G, 4 cr

2325 Microprocessor Systems

(A-F only; prereq 1315; \$46.50 course fee in addition to tuition)

001 LEC, 12:00pm-12:50pm MWF, MWAH 175, instruction mode: Classroom; Carroll, Christopher Ralph

62432 002 LAB, instruction mode: Classroom; Carroll, Christopher Ralph, 4 cr

3151 Control Systems

(A-F only; prereq 2111; \$46.50 course fee in addition to tuition)

001 LEC, 03:00pm-03:50pm MWF, SSB 216, instruction mode: Classroom; Yang, Jiann-Shiou

64981 002 LAB, 09:00am-12:00pm T, Room TBA, DULUTH, instruction mode: Classroom; Yang, Jiann-Shiou, 4 cr

64982 003 LAB, 01:00pm-04:00pm T, Room TBA, DULUTH, instruction mode: Classroom; Yang, Jiann-Shiou, 4 cr

3235 Electronics II

(A-F only; prereq 2212; \$46.50 course fee in addition to tuition)

001 LEC, 11:00am-11:50am MWF, MWAH 191, instruction mode: Classroom; Zimmerman, George Lee

62689 002 LAB, 09:00am-12:00pm Th, . TBA, instruction mode: Classroom; Zimmerman, George Lee, 4 cr

62733 003 LAB, 01:00pm-04:00pm Th, . TBA, instruction mode: Classroom; Zimmerman, George Lee, 4 cr

4305 Computer Architecture

(A-F only; prereq 2325; \$46.50 course fee in addition to tuition)

64669 001 LAB, 01:00pm-01:50pm MWF, MWAH 191, instruction mode: Classroom; 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; \$46.50 course fee in addition to tuition)

001 LEC, 08:00am-08:50am MWF, Chem 251, instruction mode: Classroom; Carroll, Christopher Ralph

62434 002 LAB, instruction mode: Classroom; Carroll, Christopher Ralph, 4 cr

4501 Power Systems

University of Minnesota – Class Schedule for Duluth Campus

Spring 2015

(A-F only; prereq 2006; no grad credit; \$46.50 course fee in addition to tuition)
001 LEC, 05:30pm-06:45pm TTh, MWAH 175, instruction mode: Classroom; Norr, Scott R
62560 002 LAB, instruction mode: Classroom; 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 361.1)
61912 001 LEC, 02:00pm-02:50pm MWF, MWAH 191, instruction mode: Classroom; Burns, Stanley G, 3 cr

4951 ECE Design Workshop

(A-F only; prereq WRIT 3130 previous or concurrent registration allowed, BSECE or BSEE cand, instructor consent; no Grad credit; credit will not be granted if already received for 4899)
67794 001 LAB, instruction mode: Classroom, 4 cr

4991 Independent Study

(max crs 3; A-F only; prereq instructor consent; does not qualify as EE or ECE technical elective)
62124 001 IND, instruction mode: Independent/Directed Studies; Burns, Stanley G, 1-3 cr
62125 002 IND, instruction mode: Independent/Directed Studies; Hayee, Imran, 1-3 cr
62126 003 IND, instruction mode: Independent/Directed Studies; Carroll, Christopher Ralph, 1-3 cr
62127 004 IND, instruction mode: Independent/Directed Studies; Yang, Jiann-Shiou, 1-3 cr
62128 005 IND, instruction mode: Independent/Directed Studies; Kwon PhD, Taek Mu, 1-3 cr
62129 006 IND, instruction mode: Independent/Directed Studies; Tang, Hua, 1-3 cr
62130 007 IND, instruction mode: Independent/Directed Studies; Hasan, Mohammed A, 1-3 cr
62131 008 IND, instruction mode: Independent/Directed Studies; Stachowicz, Marian S, 1-3 cr
62132 009 IND, instruction mode: Independent/Directed Studies; Norr, Scott R, 1-3 cr
62667 010 IND, instruction mode: Independent/Directed Studies; Bai, Jing, 1-3 cr
62692 011 IND, instruction mode: Independent/Directed Studies, 1-3 cr

5351 Introduction to Robotics and Mobile Robot Control Architectures

(A-F only; prereq 3151)
65323 001 LEC, 03:00pm-03:50pm MWF, MWAH 191, instruction mode: Classroom; Norr, Scott R, 3 cr

5477 Antennas and Transmission Lines

(A-F only; prereq 3445; credit will not be granted if already received for 4477)
63224 001 LEC, 04:00pm-05:15pm MW, MWAH 175, instruction mode: Classroom; Ferguson, Tom, 3 cr

8222 Master's Plan B Research and Design Project

(max crs 3; 3 repeats allowed; S-N; prereq Graduate student, instructor consent; credit will not be granted if already received for 8777)
64190 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr

8333 FTE: Master's

(NGA; prereq Master's student, advisor and DGS consent)
63654 001 IND, instruction mode: Independent/Directed Studies, 1 cr

8765 Digital Communications

(A-F only; prereq 5765)
63143 001 LEC, 11:00am-12:15pm TTh, Cina 106, instruction mode: Classroom, 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))
63077 001 IND, instruction mode: Independent/Directed Studies; Burns, Stanley G, 1-18 cr
63078 002 IND, instruction mode: Independent/Directed Studies; Hayee, Imran, 1-18 cr
63079 003 IND, instruction mode: Independent/Directed Studies; Carroll, Christopher Ralph, 1-18 cr
63080 004 IND, instruction mode: Independent/Directed Studies; Yang, Jiann-Shiou, 1-18 cr
63081 005 IND, instruction mode: Independent/Directed Studies; Kwon PhD, Taek Mu, 1-18 cr
63082 006 IND, instruction mode: Independent/Directed Studies; Tang, Hua, 1-18 cr
63083 007 IND, instruction mode: Independent/Directed Studies; Hasan, Mohammed A, 1-18 cr
63084 008 IND, instruction mode: Independent/Directed Studies; Stachowicz, Marian S, 1-18 cr
63085 009 IND, instruction mode: Independent/Directed Studies; Norr, Scott R, 1-18 cr
63215 010 IND, instruction mode: Independent/Directed Studies; Bai, Jing, 1-18 cr

63645 011 IND, instruction mode: Independent/Directed Studies; , 1-18 cr

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 credit; \$43.75 course fee in addition to tuition)
62421 001 FWK, instruction mode: Independent/Directed Studies; , 12 cr
62684 002 FWK, instruction mode: Independent/Directed Studies; , 12 cr
62957 003 FWK, instruction mode: Independent/Directed Studies; , 12 cr
62958 004 FWK, instruction mode: Independent/Directed Studies; , 12 cr
62959 005 FWK, instruction mode: Independent/Directed Studies; , 12 cr
62974 006 FWK, instruction mode: Independent/Directed Studies; , 12 cr
62960 007 FWK, instruction mode: Independent/Directed Studies; , 6 cr
62961 008 FWK, instruction mode: Independent/Directed Studies; , 6 cr
62962 009 FWK, instruction mode: Independent/Directed Studies; , 6 cr
63245 010 FWK, instruction mode: Independent/Directed Studies; , 6 cr
63606 011 FWK, instruction mode: Independent/Directed Studies; , 6 cr

4650 Student Teaching in Individual Subjects: K-8

(max crs 7; 7 repeats allowed; S-N only; prereq Art education candidate or music education candidate, or physical education candidate or instructor consent; no grad credit; \$43.75 course fee in addition to tuition)
62539 001 FWK, instruction mode: Independent/Directed Studies; , 6 cr
62972 002 FWK, instruction mode: Independent/Directed Studies; , 6 cr
62973 003 FWK, instruction mode: Independent/Directed Studies; , 6 cr
62975 004 FWK, instruction mode: Independent/Directed Studies; , 6 cr
63099 005 FWK, instruction mode: Independent/Directed Studies; , 6 cr
63100 006 FWK, instruction mode: Independent/Directed Studies; , 6 cr

4991 Independent Study

(max crs 6; 6 repeats allowed; A-F only; prereq department consent; no grad credit)
62422 001 IND, instruction mode: Independent/Directed Studies; , 1-6 cr
63406 002 IND, instruction mode: Independent/Directed Studies; , 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 2222; A-F only; prereq Math 1296; \$71.75 course fee in addition to tuition)
64684 001 LEC, 11:00am-11:50am WF, LSci 185, instruction mode: Classroom; Lsci 185; Carrillo, Jose, 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); \$71.75 course fee in addition to tuition; \$41.25 course fee in addition to tuition)
001 LEC, 11:00am-11:50am M, H 314, instruction mode: Classroom; Lsci 185; Carrillo, Jose
64686 002 LAB W, Engr 204, instruction mode: Classroom; 204 engr; Carrillo, Jose, 2 cr
64687 003 LAB, 08:00am-09:50am M, Engr 204, instruction mode: Classroom; Engr 204; Carrillo, Jose, 2 cr
64688 004 LAB, 08:00am-09:50am W, Engr 204, instruction mode: Classroom; Engr 204; Carrillo, Jose, 2 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 WRIT 3130 or 3150 or 3180 and BSChE or BSECE or BSIE or BSME candidate within 2 semesters of graduation or instructor consent; no grad credit; \$71.75 course fee in addition to tuition; \$41.25 course fee in addition to tuition)
001 LEC, 10:00am-10:50am T, Engr 290, instruction mode: Classroom; Carrillo, Jose
63502 002 LAB, 10:00am-11:50am Th, Engr 290, instruction mode: Classroom; Carrillo, Jose, 2 cr

5130 Operations Modeling and Analysis

(A-F; prereq EMgt student or department approval; \$71.75 course fee in addition to tuition)
65315 811 LEC, 05:00pm-07:40pm Th, Engr 177, instruction mode: Classroom; Chen, Hongyi, 3 cr

5240 Advanced Operations Management

(A-F; prereq EMgt student or MBA student or department approval; \$71.75 course fee in addition to tuition)
64619 001 LEC, instruction mode: Classroom, 3 cr

5260 Advanced Decision Making for Engineering Managers

(A-F only; prereq EMGT student or departmental consent; \$71.75 course fee in addition to tuition)
64681 811 LEC, instruction mode: Classroom, 3 cr
64682 812 LEC, 06:00pm-08:40pm W, Engr 280, OFFCAM-PUS, instruction mode: Correspondence; ITV Hibbing (HCC); Chen, Hongyi, 3 cr
64683 813 LEC, 06:00pm-08:40pm W, Engr 118, OFFCAM-PUS, instruction mode: Correspondence; ITV Virginia Campus Mesabi Range; Chen, Hongyi, 3 cr

8310 Project Methodology and Practice

(A-F; prereq 5110, 5120, 5130, 5160; \$71.75 course fee in addition to tuition)
67292 001 FWK, instruction mode: Classroom; 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); \$71.75 course fee in addition to tuition)
63441 818 IND, instruction mode: Independent/Directed Studies; Arranged.; Al-Geddawy, Tarek Nayer Hossein, 1-18 cr
63442 819 IND, instruction mode: Independent/Directed Studies; Arranged.; Egbue, Ona, 1-18 cr
63788 820 IND, instruction mode: Independent/Directed Studies; Arranged.; Hinderliter, Brian R, 1-18 cr
64617 821 IND, instruction mode: Independent/Directed Studies; Arranged.; Zhou, Debao, 1-18 cr
64618 822 IND, instruction mode: Independent/Directed Studies; Arranged.; Hoxie, Alison Behrens, 1-18 cr
64969 823 IND, instruction mode: Independent/Directed Studies; Greminger, Michael Allen, 1-18 cr
65454 824 IND, instruction mode: Independent/Directed Studies; Chen, Hongyi, 1-18 cr

8993 Engineering Management Seminar

(max crs 2; S-N; prereq Grad student, department approval; \$71.75 course fee in addition to tuition)
63037 811 LEC, 12:00pm-12:50pm W, VKH 221, instruction mode: Classroom; This course is a combined course with IE4993.; Zhao, Ping, 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)
63130 001 LEC, 09:00am-09:50am MWF, H 314, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; LaJunesse, Jacob Paul, 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)
63436 001 LEC, 04:00pm-05:15pm TTh, Cina 202, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Scarbrough, Burke, 3 cr

1507 Time and Place

(A-F only; meets LE req of LE CAT9)
67423 001 LEC, 12:00pm-01:50pm TTh, Engr 177, instruct-

- tion mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Basham, Kate, 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)
- 63437 001 LEC, 10:00am-11:50am TTh, BohH 90, instruction mode: Classroom; Van Wert, Katie, 4 cr
- 65326 002 LEC, 08:00am-09:50am TTh, Engr 290, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Owens-Murphy, Katie Rose, 4 cr
- 1583 Introductory Study of Major Topics in Contemporary African Literature**
(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)
- 65030 001 DIS, 10:00am-11:50am WF, Cina 106, instruction mode: Classroom; Kowino, Hilary Chala, 4 cr
- 1585 Australian and New Zealand Literature and Culture**
(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)
- 67424 001 LEC, 02:00pm-03:50pm TTh, ChPk 124, instruction mode: Classroom; Van Wert, Katie, 4 cr
- 1666 Tales of Terror**
(A-F only; meets DLE req of Humanities; meets LE req of LE CAT9)
- 65031 001 LEC, 03:00pm-04:50pm W, H 314, 03:00pm-03:50pm MF, H 314, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Zuck, Rochelle Raineri, 4 cr
- 1805 Freshman Seminar: Satire and Humor**
(A-F only; prereq Freshman, fewer than 30 credits; meets DLE req of Humanities; meets LE req of LE CAT9)
- 64798 001 LEC, 12:00pm-01:50pm MW, DAdB 16A, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; LaJeunesse, Jacob Paul, 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)
- 64332 001 LEC, 02:00pm-02:50pm MWF, H 314, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; LaJeunesse, Jacob Paul, 3 cr
- 2922 The Art of the Memoir: Reading and Writing Memoir**
(A-F only)
- 67425 001 LEC, 09:00am-10:50am WF, Room TBA, DULUTH, instruction mode: Classroom; Bernstein, Joshua Andrew, 4 cr
- 3121 Writing Poetry**
(A-F only)
- 67426 001 LEC, 09:00am-10:50am W, DAdB 16A, 09:00am-10:50am F, Cina 224, instruction mode: Classroom; Basham, Kate, 4 cr
- 3223 Shakespeare**
(A-F only; meets DLE req of Humanities; meets LE req of LE CAT9)
- 64370 001 LEC, 02:00pm-03:50pm MW, Cina 202, instruction mode: Classroom; Cannan, Paul D, 4 cr
- 3502 British Literature II**
(A-F only; prereq Engl major and minor; meets DLE req of Humanities)
- 68584 001 LEC, 10:00am-11:50am T, EduE 16, 10:00am-11:50am Th, Chem 150, instruction mode: Classroom, 4 cr
- 3564 American Literature II**
(A-F only; meets DLE req of Cultural Diversity in the US; meets DLE req of Humanities)
- 61884 001 LEC, 02:00pm-03:50pm TTh, Room TBA, DULUTH, instruction mode: Classroom; Brier, Evan, 4 cr
- 3906 Methods of Literary Study**
(A-F only; prereq WRIT 1120, English major or Teaching Comm Art/Lit major or instructor consent)
- 62864 001 LEC, 11:00am-12:50pm MW, H 484, instruction mode: Classroom; Zuck, Rochelle Raineri, 4 cr
- 4097 Internship for English Majors**
(max crs 8; S-N; prereq minimum 60 credits, instructor consent; no grad credit)
- 63228 001 FWK, instruction mode: Independent/Directed Studies; Brier, Evan, 1-4 cr
- 4292 Literature into Film**
(A-F only; prereq Minimum 60 credits (6 credits literature) or instructor consent)
- 67427 001 LEC, 09:00am-10:50am M, Room TBA, DULUTH, 09:00am-09:50am WF, ABAH 245, instruction mode: Classroom; Schwetman, John David, 4 cr
- 4909 Senior Portfolio**
(S-N only; prereq English major, senior)
- 62715 001 LEC, instruction mode: Classroom; 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, senior, 4 other upper division literature courses and instructor consent; no grad credit)
- 62749 001 FWK, instruction mode: Independent/Directed Studies; , 4 cr
- 5097 Graduate Internship**
(max crs 3; S-N; prereq 8906, instructor consent)
- 63227 001 FWK, instruction mode: Independent/Directed Studies; Brier, Evan, 1-3 cr
- 5116 Advanced Writing of Fiction**
(max crs 8; A-F only; prereq instructor consent)
- 67428 001 LEC, 01:00pm-02:50pm W, BohH 343, 01:00pm-02:50pm F, Cina 214, instruction mode: Classroom; Bernstein, Joshua Andrew, 4 cr
- 5375 Modern Poetry**
(A-F only; prereq 6 credits literature)
- 65026 001 LEC, 09:00am-10:50am MW, BohH 343, instruction mode: Classroom; Van Wert, Katie, 4 cr
- 5562 Victorian Literature**
(A-F only; prereq 6 credits literature)
- 67644 001 LEC, 02:00pm-03:50pm TTh, ChPk 208, instruction mode: Classroom; Owens-Murphy, Katie Rose, 4 cr
- 5582 American Novel II**
(A-F only; prereq 6 credits literature)
- 67444 001 LEC, 09:00am-10:50am TTh, Room TBA, DULUTH, instruction mode: Classroom; Brier, Evan, 4 cr
- 5584 Mapping Postcolonial Literature**
(A-F only; prereq minimum 6 credits of Literature)
- 68808 001 DIS, 03:00pm-04:50pm WF, MonH 208, instruction mode: Classroom; Kowino, Hilary Chala, 4 cr
- 5591 Independent Study**
(max crs 8; 8 repeats allowed; prereq instructor consent, maximum 6 credits may be applied to grad program)
- 64707 001 IND, instruction mode: Independent/Directed Studies; Twu, Krista Sue-Lo, 1-5 cr
- 5595 Special Topics: (Various Titles to be Assigned)**
(max crs 10; 10 repeats allowed; A-F only; prereq Primarily for majors, minors, grads)
- 68748 001 LEC, 04:00pm-05:50pm TTh, EduE 32, instruction mode: Classroom, 1-5 cr
- 5661 Publishing the Middle Ages**
(A-F only; prereq Junior or senior or grad student or instructor consent)
- 67445 001 LEC, 11:00am-12:50pm TTh, H 484, instruction mode: Classroom; Twu, Krista Sue-Lo, 4 cr
- 8191 Seminar: American Literature**
(A-F only)
- 67446 001 LEC, 02:00pm-03:50pm MW, Chem 153, instruction mode: Classroom; Schwetman, John David, 4 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
- 62772 001 IND, instruction mode: Independent/Directed Studies; Twu, Krista Sue-Lo, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq doctoral student, adviser and DGS consent)
- 62602 001 IND, instruction mode: Independent/Directed Studies; Twu, Krista Sue-Lo, 1 cr
- 8888 Thesis Credits: Doctoral**
(max crs 100; 10 repeats allowed; NGA; prereq [max 18 credits per semester or summer]; 24 credits required)
- 62636 001 IND, instruction mode: Independent/Directed Studies; Twu, Krista Sue-Lo, 1-24 cr
- 8931 Practicum in Teaching Literature**
(max crs 4; 4 repeats allowed; A-F only; prereq 8 credit grad-level literature or instructor consent)
- 62773 001 FWK, instruction mode: Independent/Directed Studies; , 1-4 cr
- 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)
- 62758 001 LEC, 12:00pm-01:50pm MW, SpHC 9, instruction mode: Classroom; Frank, Danny, 4 cr
- 2300 Teaching and Learning**
(A-F only; prereq 1000)
- 65091 001 LEC, 09:00am-10:50am MW, SpHC 9A, instruction mode: Classroom; Frank, Danny, 4 cr
- 3309 Outdoor Leadership**
(S-N only; prereq Rec 2300, PETE 3507)
- 63129 001 LEC, 09:00am-11:30am T, SpHC 9A, 03/23/15-05/08/15, instruction mode: Classroom; Gilbertson, Ken Lloyd, 1 cr
- 3342 Field Interpretive Techniques II**
(A-F only; prereq Rec 2300 or instructor consent, credit will not be granted if already received for EnEd 3342; \$35.00 course fee in addition to tuition)
- 62334 001 LEC, 02:00pm-04:50pm W, SpHC 9, instruction mode: Classroom; Course includes a weekend field trip April 17-18, 2015.; Gilbertson, Ken Lloyd, 3 cr
- 62812 002 LEC, 02:00pm-04:50pm W, SpHC 9A, instruction mode: Classroom; Course includes a weekend field trip April 17-18, 2015.; Bates, Timothy Alan, 3 cr
- 4555 Foundations of Environmental Education**
(A-F only; prereq Rec 2300 or instructor consent)
- 63214 001 LEC, 09:00am-11:50am Th, SpHC 9, instruction mode: Classroom; Ernst, Julie Ann, 3 cr
- 4996 Outdoor Education Internship**
(S-N only; prereq Recreation-Outdoor education major, instructor consent; no grad credit; credit will not be granted if already received for Rec 4996; \$43.75 course fee in addition to tuition)
- 62335 001 FWK, instruction mode: Independent/Directed Studies; Ernst, Julie Ann, 12 cr
- 64236 002 FWK, instruction mode: Independent/Directed Studies; Frank, Danny, 12 cr
- 64237 003 FWK, instruction mode: Independent/Directed Studies; Gilbertson, Ken Lloyd, 12 cr
- 64238 004 FWK, instruction mode: Independent/Directed Studies; Zmudy PHD, Mark Howard, 12 cr
- 5325 Sustainability Issues Investigation**
(A-F only; prereq instructor consent)
- 62893 001 DIS, 01:00pm-03:30pm F, SpHC 9A, instruction mode: Classroom; (Wolf Ridge Environmental Learning Center); Gilbertson, Ken Lloyd, 2 cr
- 5343 Advanced Field Interpretive Techniques**
(A-F only; prereq 3341 or 3342 or instructor consent)
- 65286 001 LAB, instruction mode: Independent/Directed Studies; (Wolf Ridge Environmental Learning Center); Walewski, Joseph W, 3 cr
- 5560 Current Research and Issues**
(A-F only; prereq grad student or instructor consent)
- 63723 001 LEC, 12:00pm-02:50pm M, SpHC 9A, instruction mode: Classroom; Gilbertson, Ken Lloyd, 3 cr
- 5855 Programming for School Systems**
(A-F only; prereq 5850, Educ 5850 or instructor consent)
- 67670 001 LEC, 09:00am-11:50am T, SpHC 9, instruction mode: Classroom; Ernst, Julie Ann, 3 cr
- 5990 Research Project**
(max crs 6; 6 repeats allowed; S-N; prereq Instructor consent)
- 65096 001 IND, instruction mode: Independent/Directed Studies; Ernst, Julie Ann, 1-6 cr
- 65098 003 IND, instruction mode: Independent/Directed Studies; Gilbertson, Ken Lloyd, 1-6 cr
- 65099 004 IND, instruction mode: Independent/Directed Studies; Zmudy PHD, Mark Howard, 1-6 cr
- 5991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq Certificate or Masters Environmental Education student, instructor consent)
- 65275 001 IND, instruction mode: Independent/Directed Studies; Ernst, Julie Ann, 1-6 cr
- 65276 002 IND, instruction mode: Independent/Directed Studies; Frank, Danny, 1-6 cr
- 65277 003 IND, instruction mode: Independent/Directed Studies; Gilbertson, Ken Lloyd, 1-6 cr
- 65278 004 IND, instruction mode: Independent/Directed Studies; Zmudy PHD, Mark Howard, 1-6 cr
- 5992 Readings in Environmental Education**
(max crs 6; 6 repeats allowed; A-F only; prereq Certificate

ENVIRONMENTAL EDUCATION
(EnEd)

or Master Environmental Education student or instructor consent)
 65449 001 IND, instruction mode: Independent/Directed Studies; Ernst, Julie Ann, 1-6 cr
 65450 002 IND, instruction mode: Independent/Directed Studies; Frank, Danny, 1-6 cr
 65451 003 IND, instruction mode: Independent/Directed Studies; Gilbertson, Ken Lloyd, 1-6 cr
 65452 004 IND, instruction mode: Independent/Directed Studies; Zmudy PhD, Mark Howard, 1-6 cr
5998 Outdoor Education Seminar
 (max crs 3; 3 repeats allowed; S-N only; prereq instructor consent, credit will not be granted if already received for Rec 4998)
 62336 001 LEC, 12:00pm-12:50pm T, SpHC 9, instruction mode: Classroom; Frank, Danny, 1 cr

ENVIRONMENTAL SCIENCE (ESci)
 229 HH, 1114 Kirby Drive, Swenson College of Science & Engineering, Duluth, MN, 55812-3011
 218/726-8385, <http://www.d.umn.edu/dees/>

Swenson College of Science & Engineering

3202 Energy Resources
 (A-F only; prereq MATH 1290 or 1296 or 1596 and PHYS 1001 or 2013 or 2017 or instructor consent)
 67370 001 LEC, 11:00am-11:50am MWF, Chem 155, instruction mode: Classroom; Swenson, John B, 3 cr
3291 Independent Study
 (max crs 3; prereq instructor consent)
 64716 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr
3296 Internship in Environmental Science
 (max crs 2; S-N; prereq Environmental Science major and department consent)
 64729 001 FWK, instruction mode: Independent/Directed Studies; Gallup, Christina D, 1-2 cr
4102 Environmental Assessment
 (A-F only; prereq instructor consent; no grad credit)
 63913 001 LEC, 06:00pm-07:40pm MW, HH 306, instruction mode: Classroom; Ballavance, Brett Alan, 3 cr

ENVIRONMENT AND SUSTAINABILITY (ES)

329 Cln, 1123 University Drive, College of Liberal Arts, Duluth, MN, 55812-3011
 218/726-6300, <http://www.d.umn.edu/geo/>

College of Liberal Arts

2803 Issues in Global Ecology
 (A-F; meets DLE req of Sustainability; meets LE req of LE CAT5; meets LEIP req of LEIP CAT05)
 64197 001 LEC, 02:00pm-03:15pm TTh, Clna 102, instruction mode: Classroom; Mageau, Michael T, 3 cr
4010 Seminar
 (A-F; prereq ES major or minor, 90 credits; credit will not be granted if already received for 5001)
 62756 001 LEC, 09:30am-11:10am TTh, Clna 316, instruction mode: Classroom; Mageau, Michael T, 4 cr
4090 Internship Preparation
 (S-N; prereq ES major, credit will not be granted if already received for 5040)
 62935 001 LEC, 01:00pm-01:50pm T, Clna 316, instruction mode: Classroom; Mageau, Michael T, 1 cr
4091 Independent Study
 (max crs 3; 3 repeats allowed; A-F; prereq 60 credits, instructor consent; no grad credit; credit will not be granted if already received for ES 4001)
 62562 001 IND, instruction mode: Independent/Directed Studies; 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)
 63762 001 LEC, 09:00am-09:50am MWF, SpHC 208, 09:00am-09:50am MWF, FH 25, instruction mode: Classroom; Streveler EdD, Megan Jane, 3 cr
3200 Motor Learning and Development
 (A-F only; prereq Minimum 60 credits, Athletic training or

Exercise Science or Physical Education major or instructor consent)
 001 LEC, 01:00pm-01:50pm MTFW, SpHC 207, 01:00pm-01:50pm MWF, SpHC 135, instruction mode: Classroom
 62545 002 LAB, 02:00pm-03:15pm T, SpHC 150A, 02:00pm-03:15pm T, SpHC 205, instruction mode: Classroom, 5 cr
 63728 003 LAB, 03:30pm-04:45pm T, SpHC 150A, 03:30pm-04:45pm T, SpHC 205, instruction mode: Classroom, 5 cr
3210 Exercise Adherence
 (A-F only; prereq Minimum 60 credits, Exercise Science major or instructor consent)
 67685 001 LEC, 09:00am-09:50am MWF, MonH 208, instruction mode: Classroom; Wendinger, Michael J, 3 cr
3300 Human Biomechanics
 (A-F only; prereq HLTH 2030, PHYS 1001, minimum 60 credits, Exercise Science major or instructor consent)
 001 LEC, 09:00am-09:50am MWF, SpHC 207, instruction mode: Classroom; Levy PhD, Morris
 62739 002 LAB, 08:00am-09:15am T, SpHC 205, 08:00am-09:15am T, FH 25, instruction mode: Classroom; Levy PhD, Morris, 4 cr
 62740 003 LAB, 09:30am-10:45am T, SpHC 205, 09:30am-10:45am T, FH 25, instruction mode: Classroom; Levy PhD, Morris, 4 cr
 63766 004 LAB, 08:00am-09:15am Th, SpHC 205, 08:00am-09:15am Th, FH 25, instruction mode: Classroom; Levy PhD, Morris, 4 cr
3400 Exercise Physiology
 (A-F only; prereq HLTH 2040 or PHSL 3011, minimum 60 credits, Exercise Science major, or instructor consent)
 001 LEC, 02:00pm-02:50pm MWF, ABAH 245, instruction mode: Classroom; Keener PhD, John R
 62502 002 LAB, 01:30pm-02:45pm Th, SpHC 201, instruction mode: Classroom; Keener PhD, John R, 4 cr
 62509 003 LAB, 03:00pm-04:15pm Th, SpHC 201, instruction mode: Classroom; Keener PhD, John R, 4 cr
 65103 004 LAB, 04:30pm-05:45pm Th, SpHC 201, instruction mode: Classroom; Keener PhD, John R, 4 cr
3410 Performance Nutrition and Weight Management
 (A-F only; prereq Hlth 1470, minimum 60 credits, Athletic Training or Exercise Science major or instructor consent)
 001 LEC, 11:00am-11:50am MWF, SpHC 208, instruction mode: Classroom; Harkins, Charlene Gail
 64637 002 LAB, 02:00pm-03:15pm T, SpHC 201, instruction mode: Classroom; Harkins, Charlene Gail, 4 cr
 64638 003 LAB, 08:00am-09:15am Th, SpHC 201, instruction mode: Classroom; Harkins, Charlene Gail, 4 cr
3420 Exercise Testing and Prescription
 (A-F only; prereq 3400, Exercise Science major or instructor consent)
 001 LEC, 10:00am-10:50am MWF, SpHC 207, 10:00am-10:50am F, FH 25, instruction mode: Classroom; Harkins, Kenneth J
 62992 002 LAB, 08:00am-09:15am T, SpHC 201, instruction mode: Classroom; Harkins, Kenneth J, 4 cr
 62993 003 LAB, 09:30am-10:45am T, SpHC 201, instruction mode: Classroom; Harkins, Kenneth J, 4 cr
3430 Principles of Strength and Conditioning Programs
 (A-F only; prereq 3400, Exercise Science major or instructor consent)
 001 LEC, 08:00am-08:50am MWF, SpHC 208, instruction mode: Classroom; Fontaine, Charles
 64624 002 LAB, 08:00am-09:15am T, SpHC 150A, 08:00am-09:15am T, SpHC 29, instruction mode: Classroom; Fontaine, Charles, 4 cr
 64625 003 LAB, 08:00am-09:15am Th, SpHC 150A, 08:00am-09:15am Th, SpHC 29, instruction mode: Classroom; Fontaine, Charles, 4 cr
3440 Clinical Exercise Physiology
 (A-F only; prereq 3420, Exercise Science major or instructor consent)
 001 LEC, 12:00pm-12:50pm MWF, SpHC 207, instruction mode: Classroom; Harkins, Kenneth J
 63140 002 LAB, 11:00am-11:50am TTh, SpHC 201, 11:00am-11:50am TTh, SpHC 207, instruction mode: Classroom; Harkins, Kenneth J, 5 cr
 63141 003 LAB, 12:00pm-12:50pm TTh, SpHC 201, 12:00pm-12:50pm TTh, SpHC 207, instruction mode: Classroom; Harkins, Kenneth J, 5 cr
 004 DIS, 09:30am-10:30am Th, SpHC 205, instruction mode: Classroom; Harkins, Kenneth J
3698 Clinical Experiences in Athletic Training IV
 (A-F only; prereq 3697, Athletic Training major; \$43.75 course fee in addition to tuition)
 62874 001 FWK, 09:30am-10:45am TTh, SpHC 22, instruction mode: Independent/Directed Studies; Streveler EdD, Megan Jane, 2 cr

4001 Pharmacology in Athletic Training
 (A-F only; prereq 3632, 3642, Athletic Training major, no grad credit)
 63560 001 LEC, 10:00am-10:50am MW, SpHC 22, instruction mode: Classroom; Ludwig EdD, Gen, 2 cr
4600 Senior Seminar Athletic Training
 (A-F only; prereq 4001, Athletic Training major, no grad credit; credit will not be granted if already received for PEP 5600)
 63124 001 LAB, 11:00am-11:50am MW, SpHC 22, instruction mode: Classroom; Streveler EdD, Megan Jane, 2 cr
4698 Clinical Experiences in Athletic Training VI
 (A-F only; prereq 4697, Athletic Training major, no grad credit; \$43.75 course fee in addition to tuition)
 62883 001 FWK, 11:00am-11:50am TTh, SpHC 22, instruction mode: Independent/Directed Studies; Streveler EdD, Megan Jane, 2 cr
4700 Statistics and Research Methods in Exercise Science
 (A-F only; prereq 12 cr from 3200, 3300, 3400, 3410, Exercise Science major, no grad credit)
 63765 001 LEC, 01:00pm-01:50pm MTFW, SpHC 210, instruction mode: Classroom; Fontaine, Charles, 4 cr
4710 Applied and Experimental Exercise Science
 (A-F only; prereq 4700, Exercise Science major or instructor consent; no grad credit)
 62884 001 LEC, 02:00pm-03:50pm MW, SpHC 208, 02:00pm-03:50pm MW, SpHC 201, instruction mode: Classroom; Levy PhD, Morris, 4 cr
4996 Internship
 (max crs 12; 4 repeats allowed; S-N only; prereq 3420, Exercise Science major, instructor consent; no grad credit; \$43.75 course fee in addition to tuition)
 62325 001 FWK, instruction mode: Independent/Directed Studies; Harkins, Charlene Gail, 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.fm.umn.edu/>

Medical School - Duluth Campus

5591 Independent Study
 (max crs 12; 12 repeats allowed; prereq department consent)
 62691 001 LAB, instruction mode: Classroom; Adams, Jeffrey L, 1-8 cr
6442 Community Clinical Medicine
 (P-N; prereq Regis med student)
 62385 001 FWK, instruction mode: Classroom; Adams, Jeffrey L; Westra, Ruth E, 2 cr
6501 Clinical Pathology Conferences I
 (P-N only; prereq Regis med student)
 64199 001 DIS, instruction mode: Classroom; Johns, Alan Marvin, 1 cr
6502 Clinical Pathology Conferences II
 (P-N only; prereq Regis med student)
 62384 001 DIS, instruction mode: Classroom; Johns, Alan Marvin, 1 cr
6987 Obstetrical Longitudinal Course
 (P-N only; prereq Preregis med, instructor consent, cannot be concurrently registered for FMed 6977)
 64636 001 LEC, instruction mode: Classroom; Westra, Ruth E, 1 cr
6997 Rural Academy of Leadership
 (P-N; prereq Preregis med, instructor consent)
 63693 001 LEC, instruction mode: Classroom; Christensen MD, Raymond D, 1 cr
7100 Clinical Family Medicine
 (max crs 117; 9 repeats allowed; P-N only; prereq department consent)
 62369 001 FWK, instruction mode: Classroom; Adams, Jeffrey L, 13 cr

FINANCE & MANAGEMENT INFORMATIONAL (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 or minors, minimum 15 credits or college consent)
 63065 001 LEC, 09:00am-09:50am MWF, LSBE 118, instruction mode: Classroom; (LSBE students, Computer Information Systems majors); Lee, Seung Chan, 3 cr

63125 002 LEC, 11:00am-11:50am MWF, LSBE 118, instruction mode: Classroom; (LSBE students, Computer Information Systems majors); Lee, Seung Chan, 3 cr

3141 Business Communications

(A-F only; prereq LSBE candidate or Economics major or college consent)

- 62070 001 LEC, 09:00am-09:50am MWF, LSBE 237, instruction mode: Partially Online; (LSBE Candidates); Meets with: 62574 FMIS 3141; Anders, Abram Daniel, 3 cr
- 62574 002 LEC, 09:00am-09:50am MWF, LSBE 237, instruction mode: Partially Online; (Economics majors); Meets with: 62070 FMIS 3141; Anders, Abram Daniel, 3 cr
- 62071 003 LEC, 11:00am-11:50am MWF, LSBE 237, instruction mode: Partially Online; (LSBE candidates); Meets with: 62575 FMIS 3141; Anders, Abram Daniel, 3 cr
- 62575 004 LEC, 11:00am-11:50am MWF, LSBE 237, instruction mode: Partially Online; (Economics majors); Meets with: 62071 FMIS 3141; Anders, Abram Daniel, 3 cr
- 62876 005 LEC, 01:00pm-01:50pm MWF, LSBE 237, instruction mode: Partially Online; (LSBE candidates); Meets with: 62877 FMIS 3141; Anders, Abram Daniel, 3 cr
- 62877 006 LEC, 01:00pm-01:50pm MWF, LSBE 237, instruction mode: Partially Online; (Economics majors); Meets with: 62876 FMIS 3141; Anders, Abram Daniel, 3 cr
- 62878 007 LEC, 11:00am-12:15pm TTh, LSBE 237, instruction mode: Classroom; (LSBE candidates); Meets with: 62879 FMIS 3141; Wang, Junhua, 3 cr
- 62879 008 LEC, 11:00am-12:15pm TTh, LSBE 237, instruction mode: Classroom; (Economics majors); Meets with: 62878 FMIS 3141; Wang, Junhua, 3 cr
- 62946 009 LEC, 02:00pm-03:15pm TTh, LSBE 237, instruction mode: Classroom; (LSBE candidates); Meets with: 62947 FMIS 3141; Wang, Junhua, 3 cr
- 62947 010 LEC, 02:00pm-03:15pm TTh, LSBE 237, instruction mode: Classroom; (Economics majors); Meets with: 62946 FMIS 3141; Wang, Junhua, 3 cr

3220 Database Management and Design

(A-F; prereq 2201 or CS 1121 or CS 1511, LSBE candidate or college consent)

62441 001 LEC, 02:00pm-02:50pm MWF, LSBE 237, instruction mode: Classroom; Li, Dahui, 3 cr

3222 Systems Analysis and Design

(A-F only; prereq 2201, LSBE candidate or college consent)

62072 001 LEC, 02:00pm-03:15pm TTh, LSBE 165, instruction mode: Classroom; Hassan, Nik R., 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 department consent)

63532 001 IND, instruction mode: Independent/Directed Studies; Li, Dahui, 1-3 cr

3295 Special Topics: (Various Titles to be Assigned)

(max crs 24; 6 repeats allowed; A-F only; prereq LSBE candidate or department approval)

67751 001 LEC, 12:30pm-01:45pm TTh, LSBE 237, instruction mode: Classroom; Hassan, Nik R., 1-4 cr

3397 LSBE Internship

(A-F only; prereq Admitted to LSBE candidacy, consent of internship director)

62536 001 FWK, instruction mode: Independent/Directed Studies; Kaas, Duane A, 3 cr

3601 Corporate Finance

(A-F only; prereq LSBE candidate or approved non-LSBE business administration minor or college consent)

- 62075 001 LEC, 01:00pm-01:50pm MWF, LSBE 135, instruction mode: Classroom; (LSBE candidates); Meets with: 62576 FMIS 3601; Wong, Shee Q, 3 cr
- 62576 002 LEC, 01:00pm-01:50pm MWF, LSBE 135, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 62075 FMIS 3601; Wong, Shee Q, 3 cr
- 62076 003 LEC, 08:00am-08:50am MWF, LSBE 125, instruction mode: Classroom; (LSBE candidates); Meets with: 62577 FMIS 3601; Wong, Shee Q, 3 cr
- 62577 004 LEC, 08:00am-08:50am MWF, LSBE 125, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 62076 FMIS 3601; Wong, Shee Q, 3 cr
- 62734 005 LEC, 03:00pm-03:50pm MWF, LSBE 129, instruction mode: Classroom; (LSBE candidates); Meets with: 62735 FMIS 3601; Lunde, Lai La Sha, 3 cr
- 62735 006 LEC, 03:00pm-03:50pm MWF, LSBE 129, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 62734 FMIS 3601; Lunde, Lai La Sha, 3 cr
- 62880 007 LEC, 08:00am-09:15am TTh, LSBE 135, instruction mode: Classroom; (LSBE candidates); Meets with: 62881 FMIS 3601; Li, Keming, 3 cr
- 62881 008 LEC, 08:00am-09:15am TTh, LSBE 135, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 62880 FMIS 3601; Li, Keming, 3 cr

3612 Managerial Finance

(A-F only; prereq 3601, LSBE candidate or college consent)

- 62077 001 LEC, 08:00am-08:50am MWF, LSBE 229, instruction mode: Classroom; Dhatt, Manjeet, 3 cr
- 63261 002 LEC, 09:00am-09:50am MWF, LSBE 229, instruction mode: Classroom; Dhatt, Manjeet, 3 cr

3619 Analysis of Financial Statements

(A-F only; prereq 3601, LSBE candidate or instructor consent; an Accounting/Finance double major cannot take FMIS 3619 to count as a Group B finance elective. See your finance adviser for details.)

- 63217 001 LEC, 10:00am-10:50am MWF, LSBE 129, instruction mode: Classroom; Beckmann, Klaus Soenke, 3 cr
- 63381 002 LEC, 12:00pm-12:50pm MWF, LSBE 233, instruction mode: Classroom; Beckmann, Klaus Soenke, 3 cr

3644 Investment Fundamentals

(A-F only; prereq 3601, LSBE candidate or college consent)

- 62078 001 LEC, 09:00am-09:50am MWF, LSBE 135, instruction mode: Classroom; Yilmaz, Gokhan, 3 cr
- 63631 002 LEC, 11:00am-11:50am MWF, LSBE 125, instruction mode: Classroom; Yilmaz, Gokhan, 3 cr

3647 Financial Markets and Institutions

(A-F only; prereq 3601, LSBE candidate or college consent)

- 62086 001 LEC, 11:00am-12:15pm TTh, LSBE 233, instruction mode: Classroom; Li, Keming, 3 cr
- 63652 002 LEC, 02:00pm-03:15pm TTh, LSBE 233, instruction mode: Classroom; Li, Keming, 3 cr

3655 Risk Management and Insurance

(A-F only; prereq 3601, LSBE candidate or instructor consent)

63632 001 LEC, 03:00pm-03:50pm MWF, LSBE 225, instruction mode: Classroom; Yilmaz, Gokhan, 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 department consent)

62537 001 IND, instruction mode: Independent/Directed Studies; Li, Dahui, 1-3 cr

4225 Advanced Applications Development

(A-F; prereq 3220, 3232)

62936 001 LEC, 01:00pm-01:50pm MWF, LSBE 125, instruction mode: Classroom; Lee, Seung Chan, 3 cr

4617 Management of Financial Institutions

(A-F only; prereq 3647, LSBE candidate with 60 credits or grad student or college consent)

63131 001 LEC, 03:00pm-03:50pm MWF, LSBE 233, instruction mode: Classroom; Beckmann, Klaus Soenke, 3 cr

4624 Applied Portfolio Management

(A-F only; prereq 4616, 4620, Financial Markets major or minor; no grad credit)

62828 001 LAB, 08:00am-09:15am TTh, LSBE 112, instruction mode: Classroom; Artim, Joe, 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)

64330 001 LEC, 06:00pm-08:40pm W, LSBE 229, instruction mode: Classroom; Hietapelto, Hugo E, 3 cr

FOREIGN STUDIES (FORS)

UMD-Academic Affairs

1100 International Education

(max crs 20)
64286 001 LEC, instruction mode: Study Abroad, 1-20 cr

1101 International Education

(max crs 20)
64287 001 LEC, instruction mode: Study Abroad, 1-20 cr

1102 International Education

(max crs 20)
64288 001 LEC, instruction mode: Study Abroad, 1-20 cr

1103 International Education

(max crs 20)
64289 001 LEC, instruction mode: Study Abroad, 1-20 cr

1104 International Education

(max crs 20)
64290 001 LEC, instruction mode: Study Abroad, 1-20 cr

1105 International Education

(max crs 20)
64291 001 LEC, instruction mode: Study Abroad, 1-20 cr

1106 International Education

(max crs 20)
64292 001 LEC, instruction mode: Study Abroad, 1-20 cr

1107 International Education

(max crs 20; prereq Admission to an approved study

abroad course requires consent from the International Education Office.)

64293 001 LEC, instruction mode: Study Abroad, 1-20 cr

1108 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64294 001 LEC, instruction mode: Study Abroad, 1-20 cr

1109 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64295 001 LEC, instruction mode: Study Abroad, 1-20 cr

1200 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64296 001 LEC, instruction mode: Study Abroad, 1-20 cr

1201 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64297 001 LEC, instruction mode: Study Abroad, 1-20 cr

1202 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64298 001 LEC, instruction mode: Study Abroad, 1-20 cr

1203 International Education

(max crs 20)
64299 001 LEC, instruction mode: Study Abroad, 1-20 cr

1204 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64300 001 LEC, instruction mode: Study Abroad, 0.50-20 cr

1205 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64301 001 LEC, instruction mode: Study Abroad, 1-20 cr

1206 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64302 001 LEC, instruction mode: Study Abroad, 1-20 cr

1207 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64303 001 LEC, instruction mode: Study Abroad, 1-20 cr

1208 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64304 001 LEC, instruction mode: Study Abroad, 1-20 cr

1209 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64305 001 LEC, instruction mode: Study Abroad, 1-20 cr

3131 International Student Teaching

(max crs 20; S-N; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64270 001 LEC, 12/23/14-08/28/15, instruction mode: Study Abroad; Sersha, James P., 1-20 cr

3200 ANTH 3200 Exploring Sustainability in Costa Rica

(Credit will not be granted if credit has been received for: ANTH 3200; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

65389 001 LEC, 12/23/14-08/28/15, instruction mode: Study Abroad; Hargrave, Michelle Marie; Syring PhD, David, 4 cr

3300 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64306 001 LEC, instruction mode: Study Abroad, 1-20 cr

3301 International Education

(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)

64307 001 LEC, instruction mode: Study Abroad, 1-20 cr

3302 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64308 001 LEC, instruction mode: Study Abroad, 1-20 cr

3303 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64309 001 LEC, instruction mode: Study Abroad, 1-20 cr

3304 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64310 001 LEC, instruction mode: Study Abroad, 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.)
64311 001 LEC, instruction mode: Study Abroad, 1-20 cr

3306 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64312 001 LEC, instruction mode: Study Abroad, 1-20 cr

3307 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64313 001 LEC, instruction mode: Study Abroad, 1-20 cr

3308 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64314 001 LEC, instruction mode: Study Abroad, 1-20 cr

4400 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64316 001 LEC, instruction mode: Study Abroad, 1-20 cr

4401 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64317 001 LEC, instruction mode: Study Abroad, 1-20 cr

4402 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64318 001 LEC, instruction mode: Study Abroad, 1-20 cr

4403 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64319 001 LEC, instruction mode: Study Abroad, 1-20 cr

4404 International Education
(max crs 20; prereq Admission to an approved study abroad course requires consent from the International Education Office.)
64320 001 LEC, instruction mode: Study Abroad, 1-20 cr

4405 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64321 001 LEC, instruction mode: Study Abroad, 1-20 cr

4406 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64322 001 LEC, instruction mode: Study Abroad, 1-20 cr

4407 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64323 001 LEC, instruction mode: Study Abroad, 1-20 cr

4408 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64324 001 LEC, instruction mode: Study Abroad, 1-20 cr

4409 International Education
(max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)
64325 001 LEC, instruction mode: Study Abroad, 1-20 cr

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 French or 1101 or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)
63409 001 LEC, 12:00pm-12:50pm MTThF, BohH 108, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Haroux, Marilene Liliane Emilie, 4 cr
63738 002 LEC, 02:00pm-02:50pm MTThF, H 464, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Haroux, Marilene Liliane Emilie, 4 cr

1202 Intermediate French II
(A-F only; prereq 4 years high school french or 1201 or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LEIP req of LEIP CAT03)
61870 001 LEC, 12:00pm-12:50pm MTThF, MonH 203, instruction mode: Classroom; Kovacovic, Milan, 4 cr
66361 002 LEC, 10:00am-10:50am MTWTh, H 464, instruction mode: Classroom; Lindaman, Dana Kristofor, 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)
65025 001 LEC, 03:00pm-03:50pm MTThF, H 464, instruction mode: Classroom; Haroux, Marilene Liliane Emilie, 4 cr
66360 002 LEC, 06:00pm-09:30pm Th, H 464, instruction mode: Classroom; Kovacovic, Milan, 4 cr

3591 Independent Study
(max crs 8; 8 repeats allowed; A-F only; prereq 2301 with C or better, instructor consent)
61878 001 IND, instruction mode: Independent/Directed Studies; Arrange with instructor prior to registration.; Kovacovic, Milan, 1-4 cr

4018 Studies in Francophone Cultures and Literature (LE CAT9, LEIP CAT09)
(A-F only; prereq 2301 with grade of C or better or instructor consent; no grad credit; meets DLE req of Global Perspectives; meets DLE req of Humanities)
64989 001 LEC, 11:00am-12:50pm MW, H 464, instruction mode: Classroom; Lindaman, Dana Kristofor, 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

3563 Geographic Information Science I: Theory and Analysis
(A-F; prereq credit will not be granted if already received for GEOG 3564 or 4563 and 4564.)
64212 001 LEC, 05:00pm-08:30pm T, H 458, instruction mode: Classroom; Carlson, Troy A, 4 cr
65457 002 LEC, 05:00pm-08:30pm Th, H 458, instruction mode: Classroom; Carlson, Troy A, 4 cr

3564 Geographic Information Science II: Applied GIS
(A-F only; prereq 3563; credit will not be granted if already received for GEOG 3564 or 4563 and 4564.)
64213 001 LEC, 09:00am-10:10am MWF, H 458, instruction mode: Classroom; Charleux, Laure, 4 cr

4585 Applied Statistics in GIS
(A-F; prereq 3563; and STAT 1411 preferred; credit will not be granted if already received for GEOG 3585 or GIS 3585; no grad credit.)
64255 001 LEC, 11:00am-12:10pm MWF, H 458, instruction mode: Classroom; Charleux, Laure, 4 cr

5581 Digital Image Processing and Analysis
(A-F; prereq 3580 or instructor consent; credit will not be granted if already received for GEOG 4580 or GEOG 5581)
64196 001 LEC, 11:00am-01:00pm TTh, H 458, instruction mode: Classroom; Carlson MS, Kate, 4 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)
62651 001 LEC, 08:00am-08:50am MWF, SCC 120, instruction mode: Classroom; 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)
63230 001 LEC, 09:00am-09:50am MWF, MonH 70, instruction mode: Partially Online; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Clough, Nathan L, 3 cr

1414 Physical Geography
(A-F; meets DLE req of Natural Sciences; meets DLE req of Sustainability; meets LE req of LE CAT4)
001 LEC, 09:30am-10:45am TTh, Chem 200, instruction mode: Classroom; Zhu, Tongxin
61908 002 LAB, 08:00am-09:40am M, Cina 316, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Zhu, Tongxin, 4 cr
61909 003 LAB, 08:00am-09:40am W, Cina 316, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/14); Zhu, Tongxin, 4 cr
61910 004 LAB, 08:00am-09:40am F, Cina 316, instruction mode: Classroom; Zhu, Tongxin, 4 cr
61911 005 LAB, 12:00pm-01:40pm M, Cina 316, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015, 4 cr
62690 006 LAB, 12:00pm-01:40pm W, Cina 316, instruction mode: Classroom; Zhu, Tongxin, 4 cr

2306 Environmental Conservation
(A-F; meets DLE req of Sustainability; meets LE req of LE CAT8)
64110 001 LEC, 09:00am-09:50am MWF, Cina 106, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Farrell, Pat, 3 cr

2552 Introduction to Maps and Geospatial Information
(A-F; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)
62786 001 LEC, 09:30am-10:45am TTh, MonH 203, instruction mode: Classroom; Carlson MS, Kate, 3 cr

3335 Urban Planning
(A-F; prereq Minimum 30 credits)
63603 001 LEC, 10:00am-10:50am MWF, Cina 316, instruction mode: Classroom; Pine, Adam Marc, 3 cr

3401 Weather and Climate
(A-F; prereq 1414, minimum 30 credits or instructor consent)
64620 001 LEC, 02:00pm-02:50pm MWF, Cina 316, instruction mode: Classroom; Farrell, Pat, 3 cr

3422 Natural Hazards
(A-F; prereq 1414, minimum 30 credits or instructor consent)
64111 001 LEC, 03:30pm-04:45pm TTh, Cina 316, instruction mode: Classroom; Zhu, Tongxin, 3 cr

3461 Geography of Global Resources
(A-F; prereq Minimum 30 credits or instructor consent; meets DLE req of Sustainability)
63060 001 LEC, 02:00pm-03:15pm TTh, Cina 316, instruction mode: Classroom; Hanson PhD, Randel (Randy) Dean, 3 cr

3481 Urban Ecology
(A-F; prereq Minimum 30 credits or instructor consent)
63707 001 LEC, 11:30am-12:45pm TTh, Cina 316, instruction mode: Classroom; Hanson PhD, Randel (Randy) Dean, 3 cr

3532 Map Design and Geographic Visualization
(A-F; prereq 2552 or instructor consent; Stat 1411 recommended)
001 LEC, 02:00pm-02:50pm TTh, H 458, instruction mode: Classroom; Carlson MS, Kate
61935 002 LAB, 02:50pm-03:45pm TTh, H 458, instruction mode: Classroom; Carlson MS, Kate, 4 cr

3712 Geography of Latin America
(A-F; prereq Minimum 30 credits or instructor consent)
63914 001 LEC, 11:00am-11:50am MWF, Cina 316, instruction mode: Classroom; Farrell, Pat, 3 cr

3991 Independent Study in Geography
(max crs 6; 6 repeats allowed; A-F; prereq instructor consent)
61938 001 IND, instruction mode: Independent/Directed Studies; Zhu, Tongxin, 1-4 cr

3995 Special Topics: (Various Titles to be Assigned)

(max crs 8; 8 repeats allowed; A-F; prereq instructor consent)

67761 001 LEC, 12:00pm-12:50pm MWF, Cina 106, instruction mode: Classroom, 1-4 cr

3997 Internship in Geography

(max crs 8; 8 repeats allowed; prereq Geography major, 60 credits or instructor consent)

62346 001 FWK, instruction mode: Independent/Directed Studies; Zhu, Tongxin, 1-6 cr

4393 Political Geography

(max crs 4; A-F; prereq Minimum 60 credits including or instructor consent)

67763 001 LEC, 01:00pm-01:50pm MW, H 458, instruction mode: Partially Online; Clough, Nathan L, 3 cr

4612 Field Techniques

(A-F; prereq Minimum 60 credits or grad student or instructor consent; \$185.00 course fee in addition to tuition)

63641 001 LEC, 03:00pm-04:40pm MW, Cina 316, instruction mode: Classroom; Clough, Nathan L, 4 cr

4990 Geography Seminar

(A-F; prereq Geography major and minimum 90 credits; no grad credit, credit will not be granted if already received for Geog 5999.)

65228 001 LEC, 01:00pm-01:50pm Th, Cina 316, instruction mode: Classroom; Zhu, Tongxin, 1 cr

4999 Honors Project Geography

(A-F; prereq minimum 90 credits, approval by department honors program director; no grad credit; meets HON req of Honors)

65229 001 IND, instruction mode: Independent/Directed Studies; Zhu, Tongxin, 3 cr

5991 Independent Study in Geography

(max crs 6; 6 repeats allowed; A-F; prereq Maximum 4 credits can be applied to graduate program; instructor consent)

61942 001 IND, instruction mode: Independent/Directed Studies; Zhu, Tongxin, 1-4 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/dees/>

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, instruction mode: Classroom; Meets with: 65108 CE 2425; Steinman, Byron Anthony

61969 002 LAB, 03:00pm-04:50pm M, Chem 206, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015, 4 cr

61970 004 LAB, 08:00am-09:50am T, Chem 206, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/2014), 4 cr

61971 005 LAB, 10:00am-11:50am T, Chem 206, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/2014), 4 cr

61972 006 LAB, 04:00pm-05:50pm T, Chem 206, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/2014), 4 cr

61973 007 LAB, 10:00am-11:50am Th, Chem 206, instruction mode: Classroom, 4 cr

61974 008 LAB, 03:00pm-04:50pm W, Chem 206, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015, 4 cr

61975 010 LAB, 10:00am-11:50am F, Chem 206, instruction mode: Classroom, 4 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 175, instruction mode: Classroom; Gallup, Christina D

62174 002 LAB, 11:00am-12:50pm T, Chem 207, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/2014), 4 cr

62175 003 LAB, 11:00am-12:50pm M, Chem 207, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015, 4 cr

62176 004 LAB, 11:00am-12:50pm W, Chem 207, instruction mode: Classroom, 4 cr

62177 005 LAB, 01:00pm-02:50pm F, Chem 207, instruction mode: Classroom, 4 cr

62178 006 LAB, 04:00pm-05:50pm W, Chem 207, instruction mode: Classroom, 4 cr

62179 007 LAB, 08:00am-09:50am Th, Chem 207, instruction mode: Classroom, 4 cr

62180 008 LAB, 12:00pm-01:50pm Th, Chem 207, instruction mode: Classroom, 4 cr

62785 009 LAB, 08:00am-09:50am F, Chem 207, instruction mode: Classroom, 4 cr

63737 010 LAB, 04:00pm-05:50pm T, Chem 207, instruction mode: Classroom, 4 cr

2110 Earth History

(A-F only; prereq 1110 or 1130 or 2610 or Ast 1040 or Geog 1414 or instr consent; \$41.25 course fee in addition to tuition)

001 LEC, 09:00am-09:50am MWF, Cina 308, instruction mode: Classroom; Miller, Jim

64358 002 LAB, 01:00pm-02:50pm M, HH 114, instruction mode: Classroom; Miller, Jim, 4 cr

64359 003 LAB, 01:00pm-02:50pm T, HH 114, instruction mode: Classroom; Miller, Jim, 4 cr

64360 004 LAB, 10:00am-11:50am T, HH 114, instruction mode: Classroom; Miller, Jim, 4 cr

2120 The Earth's Dynamic Interior

(A-F only; prereq 1110 or 1130 or 2110 or 1610 or Geog 1414)

65174 001 LEC, 02:00pm-03:15pm TTh, Chem 251, instruction mode: Classroom; Hansen, Vicki L, 3 cr

2312 Petrology

(A-F only; prereq 2311; \$41.25 course fee in addition to tuition)

001 LEC, 10:00am-11:15am MW, Chem 206, instruction mode: Classroom; Goodge, John William

62141 002 LAB, 10:00am-11:50am TTh, HH 118, instruction mode: Classroom; Goodge, John William, 5 cr

63279 003 LAB, 08:00am-09:50am TTh, HH 118, instruction mode: Classroom; Goodge, John William, 5 cr

3091 Independent Study

(max crs 4; 4 repeats allowed; prereq instructor consent)

62308 001 IND, instruction mode: Independent/Directed Studies; Brown, Erik Thorson, 1-2 cr

63848 002 IND, instruction mode: Independent/Directed Studies; Colman, Steve, 1-2 cr

63849 003 IND, instruction mode: Independent/Directed Studies; Gallup, Christina D, 1-2 cr

63850 004 IND, instruction mode: Independent/Directed Studies; Goodge, John William, 1-2 cr

63851 005 IND, instruction mode: Independent/Directed Studies; Gran, Karen B, 1-2 cr

63852 006 IND, instruction mode: Independent/Directed Studies; Hansen, Vicki L, 1-2 cr

63853 007 IND, instruction mode: Independent/Directed Studies; Johnson, Thomas Charles, 1-2 cr

63854 008 IND, instruction mode: Independent/Directed Studies; Miller, Jim, 1-2 cr

63855 009 IND, instruction mode: Independent/Directed Studies; Mooers, Howard D, 1-2 cr

65215 010 IND, instruction mode: Independent/Directed Studies; Schardt, Christian, 1-2 cr

63856 012 IND, instruction mode: Independent/Directed Studies; Steinman, Byron Anthony, 1-2 cr

63857 013 IND, instruction mode: Independent/Directed Studies; Swenson, John B, 1-2 cr

67389 014 IND, instruction mode: Independent/Directed Studies; Wattus, 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, instructor consent (Maximum 2 credits can be applied toward geological sciences major.))

63373 001 IND, instruction mode: Independent/Directed Studies; , 1-2 cr

3996 Field Internship in Geological Sciences

(max crs 4; S-N only; prereq 2312)

64760 001 FWK, instruction mode: Independent/Directed Studies; , 1-2 cr

4091 Geologic Problems and Research

(max crs 4; A-F only; prereq instructor consent, no grad credit)

63240 001 IND, instruction mode: Independent/Directed Studies; Brown, Erik Thorson, 1-2 cr

63858 002 IND, instruction mode: Independent/Directed Studies; Colman, Steve, 1-2 cr

63859 003 IND, instruction mode: Independent/Directed Studies; Gallup, Christina D, 1-2 cr

63860 004 IND, instruction mode: Independent/Directed Studies; Goodge, John William, 1-2 cr

63861 005 IND, instruction mode: Independent/Directed Studies; Gran, Karen B, 1-2 cr

63862 006 IND, instruction mode: Independent/Directed Studies; Hansen, Vicki L, 1-2 cr

63863 007 IND, instruction mode: Independent/Directed Studies; Johnson, Thomas Charles, 1-2 cr

63864 008 IND, instruction mode: Independent/Directed Studies; Miller, Jim, 1-2 cr

63865 009 IND, instruction mode: Independent/Directed Studies; Mooers, Howard D, 1-2 cr

65216 010 IND, instruction mode: Independent/Directed Studies; Schardt, Christian, 1-2 cr

63866 012 IND, instruction mode: Independent/Directed Studies; Steinman, Byron Anthony, 1-2 cr

63867 013 IND, instruction mode: Independent/Directed Studies; Swenson, John B, 1-2 cr

67390 014 IND, instruction mode: Independent/Directed Studies; Wattus, Nigel James, 1-2 cr

4180 Teaching Assistant Experience II

(max crs 4; S-N; prereq Geol core, geological sciences major, instructor consent; max 2 cr can be applied toward geological sciences major; no grad credit)

63382 001 IND, instruction mode: Independent/Directed Studies, 1-2 cr

4450 Structural Geology

(A-F only; prereq 2312 or instructor consent; credit will not be granted if already received for 3520; \$41.25 course fee in addition to tuition)

001 LEC, 01:00pm-02:50pm M, Chem 207, 01:00pm-01:50pm W, Chem 207, instruction mode: Classroom; Hansen, Vicki L

63007 002 LAB, 03:00pm-04:50pm M, Chem 207, 02:00pm-03:50pm W, Chem 207, instruction mode: Classroom; Hansen, Vicki L, 5 cr

5091 Geologic Problems

(max crs 4; 4 repeats allowed; prereq Graduate Student or instructor consent)

63868 001 IND, instruction mode: Independent/Directed Studies; Brown, Erik Thorson, 1-2 cr

63869 002 IND, instruction mode: Independent/Directed Studies; Colman, Steve, 1-2 cr

63870 003 IND, instruction mode: Independent/Directed Studies; Gallup, Christina D, 1-2 cr

63871 004 IND, instruction mode: Independent/Directed Studies; Goodge, John William, 1-2 cr

63872 005 IND, instruction mode: Independent/Directed Studies; Gran, Karen B, 1-2 cr

63873 006 IND, instruction mode: Independent/Directed Studies; Hansen, Vicki L, 1-2 cr

63874 007 IND, instruction mode: Independent/Directed Studies; Johnson, Thomas Charles, 1-2 cr

63875 008 IND, instruction mode: Independent/Directed Studies; Miller, Jim, 1-2 cr

63876 009 IND, instruction mode: Independent/Directed Studies; Mooers, Howard D, 1-2 cr

65217 010 IND, instruction mode: Independent/Directed Studies; Schardt, Christian, 1-2 cr

63877 012 IND, instruction mode: Independent/Directed Studies; Steinman, Byron Anthony, 1-2 cr

64017 013 IND, instruction mode: Independent/Directed Studies; Swenson, John B, 1-2 cr

67391 014 IND, instruction mode: Independent/Directed Studies; Wattus, Nigel James, 1-2 cr

5100 Seminar

(max crs 4; 4 repeats allowed; prereq instructor consent)

67406 001 LEC, 01:00pm-02:50pm F, HH 118, instruction mode: Classroom; Seminar on Mafic Layered Intrusions with special emphasis on the Duluth Complex.; Miller, Jim, 2 cr

5240 Physical Hydrogeology

(A-F only; prereq 2110, Phys 2011 or 2013 and 2014, Math 1296 or Math 1290 or grad student or instructor consent; credit will not be granted if already received for 4240)

001 LEC, 08:00am-08:50am MWF, HH 216, instruction mode: Classroom; Swenson, John B

63280 002 LAB, 09:00am-10:50am F, HH 108, instruction mode: Classroom; Swenson, John B, 4 cr

63281 003 LAB, 01:00pm-02:50pm F, HH 108, instruction mode: Classroom; Swenson, John B, 4 cr

5321 Theory, Practice of Scanning Electron Microscopy and X-Ray Microanalysis in Lectures

(A-F only; prereq Minimum 75 credits, Chem 1152 or 1156, Phys 2012 or 2015 and 2016, or Grad student or instructor consent)

001 LEC, 09:00am-10:50am M, MWAH 55, instruction mode: Classroom; Bandli PhD, Bryan R.

63733 002 LAB, 09:00am-10:50am W, MWAH 55, instruction mode: Classroom; Bandli PhD, Bryan R., 3 cr

5330 Introduction to Geochemical Modeling and Mineralization Processes

(A-F only; prereq 4240 or 4250, 4710 or grad student or instructor consent)

001 LEC, 02:00pm-02:50pm MW, HH 118, instruction mode: Classroom; Schardt, Christian

67400 002 LAB, 03:00pm-03:50pm MW, HH 108, instruction mode: Classroom; Schardt, Christian, 3 cr

5450 Advanced Structure

(A-F only; prereq 2120, 4450, or grad student or instructor consent; \$41.25 course fee in addition to tuition)
67397 001 LEC, 08:30am-09:45am TTh, HH 238, instruction mode: Classroom; Hansen, Vicki L, 3 cr

5480 Tectonics

(A-F only; prereq 2120, 4450, or grad student or instructor consent; credit will not be granted if already received for 4480)
63283 001 LEC, 02:00pm-03:15pm TTh, Chem 206, instruction mode: Classroom; Goodge, John William, 3 cr

8094 Geologic Research

(max crs 6; A-F only; prereq instructor consent)
62371 001 IND, instruction mode: Independent/Directed Studies; Brown, Erik Thorson, 1-6 cr
63878 002 IND, instruction mode: Independent/Directed Studies; Colman, Steve, 1-6 cr
63879 003 IND, instruction mode: Independent/Directed Studies; Gallup, Christina D, 1-6 cr
63880 004 IND, instruction mode: Independent/Directed Studies; Goodge, John William, 1-6 cr
63881 005 IND, instruction mode: Independent/Directed Studies; Gran, Karen B, 1-6 cr
63882 006 IND, instruction mode: Independent/Directed Studies; Hansen, Vicki L, 1-6 cr
63883 007 IND, instruction mode: Independent/Directed Studies; Johnson, Thomas Charles, 1-6 cr
63884 008 IND, instruction mode: Independent/Directed Studies; Miller, Jim, 1-6 cr
63885 009 IND, instruction mode: Independent/Directed Studies; Mooers, Howard D, 1-6 cr
65218 010 IND, instruction mode: Independent/Directed Studies; Schardt, Christian, 1-6 cr
63886 012 IND, instruction mode: Independent/Directed Studies; Steinman, Byron Anthony, 1-6 cr
63887 013 IND, instruction mode: Independent/Directed Studies; Swenson, John B, 1-6 cr
67392 014 IND, instruction mode: Independent/Directed Studies; Wattrus, Nigel James, 1-6 cr

8333 FTE: Master's

(NGA; prereq Master's student, adviser and DGS consent)
61845 001 IND, instruction mode: Independent/Directed Studies, 1 cr

8444 FTE: Doctoral

(NGA; prereq prereq doctoral student, adviser and DGS consent)
62603 001 IND, instruction mode: Independent/Directed Studies, 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))
62611 001 IND, instruction mode: Independent/Directed Studies, 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))
62626 001 IND, instruction mode: Independent/Directed Studies; Brown, Erik Thorson, 1-18 cr
63888 002 IND, instruction mode: Independent/Directed Studies; Colman, Steve, 1-18 cr
63889 003 IND, instruction mode: Independent/Directed Studies; Gallup, Christina D, 1-18 cr
63890 004 IND, instruction mode: Independent/Directed Studies; Goodge, John William, 1-18 cr
63891 005 IND, instruction mode: Independent/Directed Studies; Gran, Karen B, 1-18 cr
63892 006 IND, instruction mode: Independent/Directed Studies; Hansen, Vicki L, 1-18 cr
63893 007 IND, instruction mode: Independent/Directed Studies; Johnson, Thomas Charles, 1-18 cr
63894 008 IND, instruction mode: Independent/Directed Studies; Miller, Jim, 1-18 cr
63895 009 IND, instruction mode: Independent/Directed Studies; Mooers, Howard D, 1-18 cr
63896 010 IND, instruction mode: Independent/Directed Studies; Schardt, Christian, 1-18 cr
63897 011 IND, instruction mode: Independent/Directed Studies; Steinman, Byron Anthony, 1-18 cr
67393 012 IND, instruction mode: Independent/Directed Studies; Swenson, John B, 1-18 cr
67394 013 IND, instruction mode: Independent/Directed Studies; Wattrus, 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)
62637 001 IND, instruction mode: Independent/Directed Studies; Brown, Erik Thorson, 1-24 cr
63898 002 IND, instruction mode: Independent/Directed Studies; Colman, Steve, 1-24 cr
63899 003 IND, instruction mode: Independent/Directed Studies; Gallup, Christina D, 1-24 cr
63900 004 IND, instruction mode: Independent/Directed Studies; Goodge, John William, 1-24 cr
63901 005 IND, instruction mode: Independent/Directed Studies; Gran, Karen B, 1-24 cr
63902 006 IND, instruction mode: Independent/Directed Studies; Hansen, Vicki L, 1-24 cr
63903 007 IND, instruction mode: Independent/Directed Studies; Johnson, Thomas Charles, 1-24 cr
63904 008 IND, instruction mode: Independent/Directed Studies; Miller, Jim, 1-24 cr
63905 009 IND, instruction mode: Independent/Directed Studies; Mooers, Howard D, 1-24 cr
63906 010 IND, instruction mode: Independent/Directed Studies; Schardt, Christian, 1-24 cr
63907 011 IND, instruction mode: Independent/Directed Studies; Steinman, Byron Anthony, 1-24 cr
67395 012 IND, instruction mode: Independent/Directed Studies; Swenson, John B, 1-24 cr
67396 013 IND, instruction mode: Independent/Directed Studies; Wattrus, 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/languages/German.php>

College of Liberal Arts

1102 Beginning German II

(A-F only; prereq 1-2 years high school german or 1101 or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)
61860 001 LEC, 10:00am-10:50am MTThF, H 490, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Hylenski, Kristen, 4 cr
64991 002 LEC, 04:00pm-04:50pm MTWTh, H 464, instruction mode: Classroom; Nolan, Daniel, 4 cr

1202 Intermediate German II

(A-F only; prereq 4 years high school german or 1201 or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LEIP req of LEIP CAT03)
61861 001 LEC, 02:00pm-02:50pm MTThF, H 490, instruction mode: Classroom; Mullins, Michael John, 4 cr
62714 002 LEC, 09:00am-09:50am MTThF, DadB 16A, instruction mode: Classroom; Mullins, Michael John, 4 cr

3302 Advanced Composition and Conversation

(A-F only; prereq 2301; meets DLE req of Oral Communication & Languages)
62771 001 LEC, 12:00pm-12:50pm MTThF, H 490, instruction mode: Classroom; Zinn, Gesa, 4 cr
65254 002 LEC, 02:00pm-02:50pm MTThF, KAML 409, instruction mode: Classroom; Mullins, Michael John, 4 cr

3403 Page and Stage: German Theater and Performance

(A-F only; prereq 2301 with a grade of C or higher or instructor consent; meets DLE req of Fine Arts)
67074 001 LEC, 11:00am-12:50pm TTh, H 464, instruction mode: Classroom; 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 equivalent or instructor consent)
61862 001 IND, instruction mode: Independent/Directed Studies; Arrange with instructor prior to registration.; Hylenski, Kristen, 1-4 cr

4302 German Women Writers and Filmmakers

(A-F only; prereq 2301 or instructor consent; no grad credit; meets DLE req of Humanities)
67075 001 LEC, 02:00pm-03:50pm TTh, Room TBA, DULUTH, instruction mode: Classroom; Zinn, Gesa, 4 cr

GRADUATE SCHOOL (Grad)

UMD-Academic Affairs

999 Graduate School Active Status

(90 repeats allowed; NGA; prereq Grad Students Only)
62818 001 IND, instruction mode: Independent/Directed Studies, 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 DLE req of Sustainability; meets LE req of LE CAT8)
001 LEC, 02:00pm-02:50pm M, SCC 120, instruction mode: Classroom; Harkins, Charlene Gail; Wendinger, Patricia J; Jensen, Nancy Ann
002 DIS, instruction mode: Correspondence; Jensen, Nancy Ann
65392 003 LAB, 09:00am-09:50am W, H 490, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Jensen, Nancy Ann, 3 cr
004 DIS, instruction mode: Correspondence; Wendinger, Patricia J
65394 005 LAB, 11:00am-11:50am W, H 490, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Wendinger, Patricia J, 3 cr
006 DIS, instruction mode: Correspondence; Wendinger, Patricia J
65396 007 LAB, 01:00pm-01:50pm Th, SpHC 207, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Wendinger, Patricia J, 3 cr
008 DIS, instruction mode: Correspondence; Harkins, Charlene Gail
65398 009 LAB, 11:00am-11:50am T, SpHC 208, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Harkins, Charlene Gail, 3 cr
67795 010 LAB, 08:00am-09:15am TTh, BohH 104, instruction mode: Classroom; Ludwig EdD, Gen, 3 cr

1104 Health Science Terminology

(max crs 3; 3 repeats allowed; A-F only)
65104 001 IND, 11:00am-11:50am T, H 470, instruction mode: Primarily Online; (Curriculum is delivered online. Tests are offered on pre-scheduled and only certain Tuesdays per instructor discretion at 11:00 AM in H 470. Initial course information and test schedule will be sent to students via UMD email.); Jensen, Nancy Ann, 1-3 cr

1470 Human Nutrition

(A-F only; meets DLE req of Natural Sciences; meets LE req of LE CAT5)
61879 001 LEC, 01:00pm-01:50pm MWF, LSci 175, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 4 seats reserved for University Studies - EXPIRES 13-JAN-2015; Jensen, Nancy Ann, 3 cr
64234 002 LEC, 10:00am-10:50am MWF, MonH 70, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 4 seats reserved for University Studies - EXPIRES 13-JAN-2015; Jensen, Nancy Ann, 3 cr
65105 003 LEC, 08:00am-09:15am TTh, SpHC 208, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Jensen, Nancy Ann, 3 cr

1600 Basic First Aid and CPR

(A-F only; \$34.00 course fee in addition to tuition)
67699 001 LEC, 11:00am-11:50am TTh, SpHC 210, instruction mode: Classroom; Ludwig EdD, Gen, 2 cr
67700 002 LEC, 02:00pm-02:50pm TTh, SpHC 8, instruction mode: Classroom; Fleissner, Elizabeth A, 2 cr
67702 003 LEC, 10:00am-10:50am MW, SpHC 8, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Streveler EdD, Megan Jane, 2 cr

1650 CPR/AED for the Professional Rescuer

(A-F only; \$34.00 course fee in addition to tuition)
64775 001 LEC, 06:00pm-07:50pm M, SpHC 8, 01/20/15-03/13/15, instruction mode: Classroom; Fleissner, Elizabeth A, 1 cr

1700 First Responder

(A-F only; \$34.00 course fee in addition to tuition)
62363 001 LEC, 08:00am-08:50am MWF, SpHC 8, instruction mode: Classroom; Ludwig EdD, Gen, 3 cr
63777 002 LEC, 09:30am-10:45am TTh, SpHC 8, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Ludwig EdD, Gen, 3 cr
65284 003 LEC, 11:00am-11:50am MWF, SpHC 8, instruction mode: Classroom; Ludwig EdD, Gen, 3 cr

2030 Applied Human Anatomy
(A-F only; prereq exercise science or physical education or public health and promotion or environmental and outdoor education major or candidate, [BIOL 1001 or BIOL 1011] and one semester college chemistry; credit will not be granted if already received for BIOL 1761)
001 LEC, 01:00pm-01:50pm MTWF, SCC 120, instruction mode: Classroom; Nierengarten, Mark Edward, 4 cr
63627 002 LAB, 08:00am-09:15am Th, SpHC 207, instruction mode: Classroom; Nierengarten, Mark Edward, 4 cr
63729 003 LAB, 09:30am-10:45am Th, SpHC 207, instruction mode: Classroom; Nierengarten, Mark Edward, 4 cr

2040 Human Physiology
(A-F only; prereq Minimum 30 credits, BIOL 1001 or 1011; one semester college chemistry or instructor consent)
62326 001 LEC, 11:00am-11:50am MTWF, MonH 80, instruction mode: Classroom; Keener PhD, John R, 4 cr

3101 Community Health
(A-F only; prereq Minimum 30 credits)
62330 001 LEC, 02:00pm-03:15pm TTh, SpHC 208, instruction mode: Classroom; Tornabene, Ladona L, 3 cr

3115 Consumer Health Education
(A-F only; prereq Minimum 30 credits)
63763 001 LEC, 09:00am-09:50am MWF, SpHC 210, instruction mode: Classroom; Harkins, Charlene Gail, 3 cr
64777 002 LEC, 01:00pm-01:50pm MWF, EduE 17, instruction mode: Classroom; Harkins, Charlene Gail, 3 cr

3117 Principles of Sex Education
(A-F only; prereq Health Education major or Public Health Education and Promotion, minimum 45 credits or instructor consent)
61901 001 LEC, 09:30am-10:45am TTh, SpHC 208, instruction mode: Classroom; Keeney, Georgia Lynn, 3 cr

3118 Women's Health Issues
(A-F only; prereq Minimum 30 credits)
65106 001 LEC, 05:00pm-07:30pm M, SpHC 207, instruction mode: Classroom; Course includes off campus field trips which require students to supply their own transportation.; Doane PhD, H Mitzi, 3 cr

3202 Drug Education
(A-F only; prereq 45 credits, for students seeking and admitted to the STEP (Secondary Teaching Education program), major in health education, public health education and promotion, physical education, exercise science and communication sciences and disorders or instructor consent.)
61927 001 LEC, 02:00pm-02:50pm TTh, SCC 120, instruction mode: Classroom; Skrbich, Karen O, 2 cr

3300 Technology, Design and Communication Applications in Health Education and Promotion
(A-F only; prereq minimum 30 credits; Health Ed or Public Health Education and Promotion major, pre or concurrent registration in 3301 or instructor consent)
65232 001 LEC, 02:00pm-05:20pm W, SpHC 212, instruction mode: Classroom; , 4 cr

3301 Foundations of Health Education and Promotion
(A-F only; prereq 1100 and [(pre-or concurrent registration in 3300 and Health Education Community concentration majors) or Health Education School concentration major or Health Education or Health Education or Public Health Education Concurrent registration is required (or allowed) in Promotion major or minor/or instructor consent)
63432 001 LEC, 02:00pm-02:50pm MWF, SpHC 210, instruction mode: Classroom; Skrbich, Karen O, 3 cr

3302 School Health Education Methods and Materials
(A-F only; prereq 3301, Health Education or Public Health Education and Promotion major with school concentration or instructor consent)
61926 001 LEC, 01:00pm-01:50pm MWF, SpHC 208, instruction mode: Classroom; 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, Health Educ or Public Health Education and Promotion major or minor or instructor consent)
63413 001 LEC, 10:00am-10:50am MWF, SpHC 208, instruction mode: Classroom; Keeney, Georgia Lynn, 3 cr

3305 Community Health Methods and Strategies
(A-F only; prereq 3300, 3303, Health Ed or Public Health Education and Promotion major with Community concentration or instructor consent; \$43.75 course fee in addition to tuition)
62885 001 LEC, 02:00pm-05:20pm M, SpHC 212, instruction mode: Classroom; , 4 cr

3307 Conducting and Managing Worksite Health Promotion Programs
(A-F only; prereq 3303, Health Education major or minor

or Exercise Science major or instructor consent)
63779 001 LEC, 09:00am-09:50am MWF, SpHC 8, instruction mode: Classroom; Skrbich, Karen O, 3 cr

3400 Facilitating Healthy Lifestyle Change
(A-F only; prereq 3301, Health Education major or minor or instructor consent)
65107 001 LEC, 03:30pm-06:00pm T, SpHC 207, instruction mode: Classroom; Doane PhD, H Mitzi, 3 cr

3500 Environmental Health
(A-F only; prereq Health Education or Public Health Education and Promotion major, minimum 60 credits or instructor consent)
65387 001 LEC, 11:00am-11:50am MWF, SpHC 210, instruction mode: Classroom; Skrbich, Karen O, 3 cr

4000 Professional Issues for Health Educators
(A-F only; prereq 3305, Health Education or Public Health Education and Promotion major or instructor consent, no grad credit; \$43.75 course fee in addition to tuition)
65230 001 LEC, 02:00pm-05:20pm W, SpHC 207, instruction mode: Classroom; Tornabene, Ladona L, 4 cr

4105 Obesity: Causes and Intervention
(A-F only; prereq 1470, minimum 60 credits or instructor consent; no grad credit)
65386 001 LEC, 03:30pm-06:00pm Th, SpHC 207, instruction mode: Classroom; Doane PhD, H Mitzi, 3 cr

4996 Internship in Health Education
(max crs 15; 3 repeats allowed; S-N only; prereq health education major, instructor consent; no grad credit; \$43.75 course fee in addition to tuition)
62322 001 FWK, instruction mode: Independent/Directed Studies; Tornabene, Ladona 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 3401 preferred but not required, no grad credit)
64108 001 LEC, 09:30am-10:45am TTh, LSBE 225, instruction mode: Classroom; Dauner, Kim Nichols, 3 cr

4530 Legal Aspects of and Ethics in Health Care
(A-F; prereq LSBE candidate or college consent, no grad credit)
64605 001 LEC, 02:00pm-03:15pm TTh, LSBE 135, instruction mode: Classroom; Klingner, Jill M, 3 cr

4550 Health Care Finance
(A-F; prereq 4520, FMIS 3601, LSBE candidate or college consent, no grad credit)
63368 001 LEC, 01:00pm-01:50pm MWF, LSBE 225, instruction mode: Classroom; Schultz, Jennifer, 3 cr

4560 International Comparisons of Health Care Systems
(A-F; prereq LSBE candidate or college consent, no grad credit)
65359 001 LEC, 12:30pm-01:45pm TTh, LSBE 225, instruction mode: Classroom; Dauner, Kim Nichols, 3 cr

4570 Health Care Quality Management
(A-F; prereq 4520, LSBE candidate or college consent; no grad credit)
63384 001 LEC, 11:00am-12:15pm TTh, LSBE 225, instruction mode: Classroom; Klingner, Jill M, 3 cr

4591 Independent Study
(max crs 3; A-F; prereq LSBE candidate, instructor consent, no grad credit)
63248 001 IND, instruction mode: Independent/Directed Studies; Schultz, Jennifer, 1-3 cr

4597 Internship
(A-F; prereq LSBE candidate, consent of program director or internship director, no grad credit)
63242 001 FWK, instruction mode: Independent/Directed Studies; 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 Major in Health Education or Public

Health Education and Promotion or Exercise Science or Physical Education or Recreation or instructor consent)
62658 001 LEC, 12:00pm-12:50pm MWF, SpHC 210, instruction mode: Classroom; Fleissner, Elizabeth A, 3 cr

3100 Risk Management
(A-F only; prereq Major in Exercise Science or Recreation or instructor consent)
67727 001 LEC, 08:00am-08:50am TTh, ABAH 225, instruction mode: Classroom; Strevler Edd, Megan Jane, 2 cr

3200 Research and Evaluation in Health Science
(A-F only; prereq Minimum 60 credits, Health education major or Public Health Education and Promotion major or minor or recreation/outdoor education major or minor or instructor consent)
62353 001 LEC, 02:00pm-03:15pm TTh, SpHC 210, instruction mode: Classroom; Ernst, Julie Ann, 3 cr

3300 Health and Physical Education in the Elementary School
(A-F only; prereq EIED Major; \$43.75 course fee in addition to tuition)

64016 001 LEC, 12:00pm-01:50pm MW, SpHC 150A, 12:00pm-01:50pm MW, SpHC 8, instruction mode: Partially Online; This course runs the full semester but instruction is split between classroom instruction and online instruction. This section will meet in SpHC 8 on the first day.; Skrbich, Karen O; Knapp, Jim L, 3 cr
64227 002 LEC, 12:00pm-01:50pm MW, Room TBA, DULUTH, 12:00pm-01:50pm MW, Room TBA, DULUTH, instruction mode: Partially Online; 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

1208 Europe in the Modern Age
(A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)
63633 001 LEC, 09:00am-09:50am MWF, ABAH 225, instruction mode: Classroom; (Open CE reserved seats will be available to UMD students one week before the start of the semester.); Yelengi, Nkasa Tekilaz, 3 cr

1304 US History Part I: 1607-1877
(A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)
63965 001 LEC, 11:00am-11:50am MWF, ABAH 225, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Mailer, Gideon Alexander, 3 cr

1305 US History Part II: 1865-Present
(A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)
63127 001 LEC, 09:30am-10:45am TTh, ABAH 225, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Laderman, Scott, 3 cr

2095 Special Topics in History (Various Titles to be Assigned)
(max crs 8; A-F only)
67407 001 LEC, 12:00pm-12:50pm MWF, EduE 20, instruction mode: Classroom, 1-4 cr
67408 002 LEC, 11:00am-12:50pm Th, KAML 409, 11:00am-11:50am T, KAML 409, instruction mode: Classroom, 1-4 cr

2345 Science and Society: 1500 to Present
(A-F only; prereq credit will not be granted if already received for HIST 2245; meets DLE req of Humanities; meets LE req of LE CAT7)
64350 001 LEC, 02:00pm-02:50pm MWF, ABAH 225, instruction mode: Classroom; Matthews, Steve, 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)
67422 001 LEC, 02:00pm-03:15pm TTh, ABAH 225, instruction mode: Classroom; Pogorelskii, Alexis E, 3 cr

2405 History of Chinese Culture
(A-F only)
64971 001 LEC, 06:00pm-08:50pm W, ABAH 225, instruction mode: Classroom; 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)
 64353 001 LEC, 03:30pm-04:45pm TTh, ABAH 225, instruction mode: Classroom; Matthews, Steve, 3 cr

3091 Directed Readings in History
 (max crs 16; 16 repeats allowed; A-F only; prereq instructor consent)
 61955 001 IND, instruction mode: Independent/Directed Studies; Matthews, Steve, 1-4 cr

3097 Internship in History
 (max crs 6; 6 repeats allowed; A-F only; prereq 60 credits, instructor consent)
 61954 001 FWK, instruction mode: Independent/Directed Studies; Matthews, Steve, 1-3 cr

3099 Practicum in Teaching History
 (max crs 6; A-F only; prereq History major, completion of 20 credits of 2xxx and above history courses with GPS of 3.3, completion of 90 credits, instructor consent)
 63017 001 FWK, instruction mode: Independent/Directed Studies; Matthews, Steve, 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)
 68843 001 LEC, instruction mode: Classroom; Rop, Jeffrey Allen, 3 cr

3243 Europe in Crisis in the 20th Century
 (A-F only)
 67410 001 LEC, 10:00am-10:50am MWF, ABAH 235, instruction mode: Classroom; Pogorelskin, Alexis E, 3 cr

3244 History of Holocaust
 (A-F only)
 65265 001 LEC, 01:00pm-01:50pm T, ABAH 235, 12:00pm-01:50pm Th, Engr 280, instruction mode: Classroom; Th 12:00 - 1:50 PM; Pogorelskin, Alexis E, 3 cr

3315 Religion in Colonial America
 (A-F only)
 68841 001 LEC, 01:00pm-01:50pm MWF, Cina 102, instruction mode: Classroom; Mailer, Gideon Alexander, 3 cr

3320 American Popular Culture, 1929 to the Present
 (A-F only)
 64973 001 LEC, 02:00pm-03:15pm TTh, HH 216, instruction mode: Classroom; Laderman, Scott, 3 cr

3386 The United States and the World since 1898
 (A-F only; prereq students will receive credit if 3384 (only) or 3385 (only) were taken; credit will not be granted if already received for 3384 and 3385.)
 67411 001 LEC, 12:00pm-01:50pm T, Engr 280, 01:00pm-01:50pm Th, Room TBA, DULUTH, instruction mode: Classroom; Th 1:00 - 1:50 pm; Laderman, Scott, 3 cr

3463 History of Modern China
 (A-F only)
 67412 001 LEC, 06:00pm-08:50pm T, ABAH 225, instruction mode: Classroom; Fang, Qiang, 3 cr

3615 Modern Africa
 (A-F only; prereq credit will not be granted if already received for HIST 3515)
 64878 001 LEC, 12:00pm-12:50pm MWF, Cina 202, instruction mode: Classroom; 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)
 64856 001 LEC, 09:30am-10:45am TTh, ABAH 245, instruction mode: Classroom; 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)
 64354 001 LEC, 06:00pm-08:50pm W, ABAH 425, instruction mode: Partially Online; Stanfield-Johnson, Rosemary, 4 cr

5094 Directed Research
 (max crs 12; 3 repeats allowed; A-F only; prereq instructor consent, maximum 4 credits may be applied to grad program)
 61963 001 IND, instruction mode: Independent/Directed Studies; Matthews, Steve, 4 cr

5905 History Seminar
 (max crs 8; A-F only; prereq instructor consent)
 64879 001 LEC, 06:00pm-08:50pm Th, ABAH 425, instruction mode: Partially Online; Stanfield-Johnson, Rosemary, 4 cr

3095 University Honors Special Topics: (Various Titles to be Assigned)
 (max crs 12; 3 repeats allowed; A-F only; prereq Honors Student; meets HON req of Honors)
 65364 550 LEC, 09:00am-09:50am MWF, Bohh 104, instruction mode: Classroom; Dahl, John L, 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 instructor consent; \$71.75 course fee in addition to tuition)
 63503 001 LEC, 10:00am-11:50am TTh, VKH 221, 10:00am-11:50am Th, Engr 204, instruction mode: Classroom; 204 Eng; Rosandich PhD, Ryan G, 4 cr

3122 Materials Engineering Laboratory
 (A-F; prereq 1225, BSIE or BSME candidate, concurrent registration in 3130; \$71.75 course fee in addition to tuition; \$41.25 course fee in addition to tuition)
 001 LEC, 12:00pm-12:50pm M, VKH 221, instruction mode: Classroom; Dryke, Jake
 63505 002 LAB, 01:00pm-02:50pm T, Room TBA, DULUTH, instruction mode: Classroom; Dryke, Jake, 2 cr
 63506 003 LAB, 01:00pm-02:50pm Th, TBA, instruction mode: Classroom; Dryke, Jake, 2 cr
 63586 005 LAB, 10:00am-11:50am T, TBA, instruction mode: Classroom; Dryke, Jake, 2 cr
 63634 006 LAB, 10:00am-11:50am Th, TBA, instruction mode: Classroom; Dryke, Jake, 2 cr

3125 Engineering Economic Analysis
 (A-F only; prereq Statistics 3411 or 3611, engineering candidate or instructor consent; meets DLE req of Social Sciences; \$71.75 course fee in addition to tuition)
 63375 001 LEC, 11:00am-11:50am MWF, VKH 221, instruction mode: Classroom; Zierden, Heidi Sue, 3 cr
 67293 002 LEC, 11:00am-11:50am MWF, Chem 251, instruction mode: Classroom; Rosandich PhD, Ryan G, 3 cr

3130 Materials Processing Engineering
 (A-F; prereq Engr 2110 or ME 2105, Engr 2016 or CE 2017, Stat 3411 (concurrent registration is allowed) and BSIE or BSME candidate; \$71.75 course fee in addition to tuition)
 63507 001 LEC, 02:00pm-02:50pm MWF, Engr 290, instruction mode: Classroom; Enemuoh PhD, Emmanuel U., 3 cr

3222 Occupational Systems Laboratory
 (A-F; prereq 3140, Concurrent registration is required (or allowed) in 4020 or instructor consent, credit will not be granted if already received for 3105, 3265; \$71.75 course fee in addition to tuition; \$41.25 course fee in addition to tuition)
 001 LEC, 01:00pm-01:50pm F, VKH 201, instruction mode: Classroom; Feyen, Robert G
 63529 002 LAB, 10:00am-11:50am Th, VKH 201, instruction mode: Classroom; Feyen, Robert G, 2 cr
 63530 003 LAB, 01:00pm-02:50pm Th, VKH 201, instruction mode: Classroom; 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 credit; \$71.75 course fee in addition to tuition)
 63508 001 LEC, 10:00am-10:50am W, Engr 204, 10:00am-10:50am MWF, Engr 290, instruction mode: Classroom; 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 instructor consent, no grad credit; \$71.75 course fee in addition to tuition)
 63510 001 LEC, 09:00am-09:50am MWF, VKH 221, instruction mode: Classroom; Egbue, Ona, 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 credit; \$71.75 course fee in addition to tuition)
 62380 001 FWK, instruction mode: Independent/Directed Studies; 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 candidate, or instructor consent, no grad credit; \$71.75 course fee in addition to tuition)
 001 LEC, 03:00pm-04:50pm T, Engr 290, instruction mode:

Classroom; Enemuoh PhD, Emmanuel U.
 62271 002 LAB, 01:00pm-04:50pm Th, Engr 260, instruction mode: Classroom; Enemuoh PhD, Emmanuel U., 4 cr

4296 Cooperative Education II
 (Credit will not be granted if credit has been received for: ME 4296; A-F only; prereq 4196 or ME 4196; no grad credit; \$71.75 course fee in addition to tuition)
 65225 001 FWK, instruction mode: Independent/Directed Studies; Rosandich PhD, Ryan G, 2 cr

4491 Independent Study
 (max crs 6; 4 repeats allowed; A-F only; prereq BSIE or BSME candidate, department consent; \$71.75 course fee in addition to tuition)
 62381 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

4993 Industrial Engineering Seminar
 (max crs 2; S-N only; prereq BSIE or BSChE or BSECE or BSME or MEHS candidate or instructor consent; no grad credit; \$71.75 course fee in addition to tuition)
 62829 001 LEC, 12:00pm-12:50pm W, Engr 290, instruction mode: Classroom; Zhao, Ping, 1 cr

5315 Organizational Control Methods
 (A-F only; prereq BSIE or MSEM candidate or department consent; \$71.75 course fee in addition to tuition)
 63794 001 LEC, instruction mode: Classroom, 3 cr

5325 Advanced Engineering Economics
 (A-F only; prereq 3125, BSIE or MSEM candidate or department consent)
 67294 001 LEC, instruction mode: Correspondence; Egbue, Ona, 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

8013 Integrated Biological Systems II
 (A-F only; prereq 8011, calculus)
 65003 001 LEC, 09:00am-09:50am TTh, SSB 216, instruction mode: Classroom; Course will be taught in SSB 207A, Biology Conference Room. SSB000207A; Hinderliter, Anne; Pastor, John Joseph; Schoff, Patrick K; Rumbley, Jon N, 2 cr

8094 Rotations
 (S-N; prereq IBS Graduate Student)
 65006 001 IND, instruction mode: Independent/Directed Studies, 1 cr

8101 Cellular Biochemistry
 (A-F only; prereq Organic Chemistry, Biochemistry, Cell Biology or Molecular Biology, Calculus or instructor consent.)
 67803 001 LEC, 10:00am-11:15am TTh, SSB 203, instruction mode: Classroom; Course will be taught in SSB 207A, Biology Conference Room.; Sheets, Erin D, 3 cr

8333 FTE: Master's
 (NGA; prereq Master's student, adviser and DGS consent)
 63731 001 IND, instruction mode: Independent/Directed Studies, 1 cr

8444 FTE: Doctoral
 (NGA; prereq Doctoral student, adviser and DGS consent)
 63819 001 IND, instruction mode: Independent/Directed Studies, 1 cr

8666 Doctoral Pre-Thesis Credits
 (max crs 12; NGA; prereq Doctoral student who has not passed preliminary oral; no required consent for 1st/2nd registrations, up to 12 combined credits; department consent for 3rd/4th registrations, up to 24 combined credits; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined credits)
 63810 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr

8777 Thesis Credits: Master's
 (max crs 50; 10 repeats allowed; NGA; prereq Maximum 18 credits per semester or summer; 10 credits total required (Plan A only))
 63385 001 IND, instruction mode: Independent/Directed Studies, 1-18 cr

8888 Thesis Credit: Doctoral
 (max crs 100; 10 repeats allowed; NGA; prereq Maximum 18 credits per semester or summer; 24 credits required)
 63811 001 IND, instruction mode: Independent/Directed Studies, 1-24 cr

8993 Integrated Biosciences Graduate Seminar
 (max crs 4; A-F; prereq 8012, 8103)
 65422 001 LEC, instruction mode: Classroom; Course will be taught in SSB 207A, Biology Conference Room., 2 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

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; \$43.75 course fee in addition to tuition)

- 64341 001 DIS, 02:00pm-03:15pm TTh, Cina 224, instruction mode: Classroom; Dietrich, Jane Ellen, 3 cr
- 64342 002 DIS, 03:30pm-04:45pm TTh, Cina 224, instruction mode: Classroom; 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)

- 64343 001 LEC, 01:00pm-03:50pm W, H 464, instruction mode: Classroom; 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; \$43.75 course fee in addition to tuition)

- 62318 001 LEC, 08:00am-09:15am TTh, MonH 121, instruction mode: Classroom; 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)

- 64344 001 LEC, 03:30pm-05:10pm T, MonH 121, instruction mode: Classroom; 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.)

- 62324 001 LEC, 04:00pm-06:30pm M, EduE 17, instruction mode: Classroom; Practicum arr; Stevenson PhD, Jean Myers, 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)

- 64345 001 DIS, 09:00am-09:50am MF, MonH 121, instruction mode: Classroom; 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)

- 64745 001 DIS, 09:30am-10:45am TTh, MonH 121, instruction mode: Classroom; Kwako, Joan, 3 cr

4344 Teaching Science and Environmental Education I

(A-F only; prereq IESE candidate, 3325, no grad credit; credit will not be granted if already received for ELED 4344)

- 63011 001 LEC, 02:00pm-03:15pm TTh, MonH 151, instruction mode: Classroom; Practicum arr; Zak, Kevin Michael, 3 cr

4346 Teaching Science & Environmental Education II

(A-F only; prereq IESE candidate, 4344; no grad credit; credit will not be granted if already received for ELED 4346)

- 64747 001 LEC, 10:00am-10:50am MF, MonH 151, instruction mode: Classroom; Zak, Kevin Michael, 2 cr

4366 Teaching Elementary Social Studies I

(A-F only; prereq IESE Candidate; no grad credit; credit will not be granted if already received for ELED 4366)

- 64346 001 DIS, 02:00pm-03:15pm TTh, MonH 121, instruction mode: Classroom; Corbett, Dan, 3 cr

4367 Teaching Elementary Social Studies II

(A-F only; prereq IESE candidate, 4366; no grad credit; credit will not be granted if already received for ELED 4367)

- 64347 001 DIS, 03:30pm-05:10pm Th, MonH 121, instruction mode: Classroom; Corbett, Dan, 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 instructor consent; credit will not be granted if already received for IS 3099)

- 61889 001 IND, instruction mode: Independent/Directed Studies; 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

1010 Introduction to International Studies

(A-F only; meets DLE req of Global Perspectives)
62622 001 LEC, 10:00am-10:50am MWF, Cina 308, instruction mode: Classroom; Caprioli, Mary, 3 cr

1191 International Study

(max crs 15; 15 repeats allowed; A-F only; prereq department consent)
61976 001 IND, instruction mode: Independent/Directed Studies, 1-5 cr

4100 Seminar in International Studies

(A-F only; prereq Pol 1050, 60 credits including 8 upper division credits approved IntS courses and instructor consent)
64847 001 LEC, 10:00am-11:50am TTh, Chem 153, instruction mode: Classroom; T; Sharp, Paul, 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)
63136 001 LEC, 01:00pm-01:50pm MWF, EduE 20, instruction mode: Classroom; Wesner, Kearston, 3 cr
65351 002 LEC, 02:00pm-02:50pm MWF, BohH 104, instruction mode: Classroom; Etheridge, Chris, 3 cr

2101 Editing I: Copy Editing and Layout

(A-F only; prereq 2001, WRIT 1120; credit will not be granted if already received for 3101)
62716 001 LEC, 02:00pm-03:15pm TTh, SpHC 207, instruction mode: Classroom; Etheridge, Chris, 3 cr

2400 Community and Journalism

(A-F only; prereq Credit will not be granted if already received for 3400.; meets DLE req of Global Perspectives)
63092 550 LAB, 03:30pm-04:45pm TTh, LSBE 165, instruction mode: Classroom; Hatcher, John, 3 cr

3001 Reporting and Writing II

(A-F only; prereq 2001)
63771 001 LEC, 09:30am-10:45am TTh, LSBE 265, instruction mode: Classroom; Hatcher, John, 3 cr

3401 Digital Storytelling

(A-F only; prereq 2001)
63715 001 LEC, 11:00am-11:50am MWF, Cina 214, instruction mode: Classroom; , 3 cr

3700 Media Law and Ethics

(A-F only; prereq Writ 1120)
65352 001 LEC, 12:00pm-12:50pm MWF, H 480, instruction mode: Classroom; Wesner, Kearston, 3 cr

3991 Independent Study in Journalism

(max crs 5; A-F only; prereq 2001, instructor consent)
63108 001 IND, instruction mode: Independent/Directed Studies; Hatcher, John, 1-5 cr

4001 Specialized Reporting and Writing

(A-F only; prereq 2001; no grad credit)
63776 001 LEC, 08:00am-09:15am TTh, H 484, instruction mode: Partially Online; Topic: Public Affairs Reporting; Wesner, Kearston, 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 credit)
63772 001 LEC, 05:00pm-07:50pm T, H 464, instruction mode: Classroom; Meets with: 63773 JOUR 5102; Etheridge, Chris, 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, minimum 60 credits, instructor consent, no grad credit)
64034 001 FWK, instruction mode: Independent/Directed Studies; Hatcher, John, 1-3 cr

5102 Editing II: Newsroom Practicum

(Credit will not be granted if credit has been received for: JOUR 4102; A-F only; prereq Grad Student; credit will not be granted if already received for 5102)
63773 001 LEC, 05:00pm-07:50pm T, H 464, instruction mode: Classroom; Meets with: 63772 JOUR 4102; Etheridge, Chris, 3 cr

5197 Journalism Internship

(Credit will not be granted if credit has been received for:

JOUR 4197; max crs 3; S-N; prereq College Grad or grad student, instructor consent)

- 62924 001 FWK, instruction mode: Independent/Directed Studies; Visit www.d.umn.edu/writ for more information about how to get started on an internship, or contact the Internship Coordinator in Writing Studies.; Hatcher, John, 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

397 B.B.A. Business Internship

(S-N; prereq LSBE Candidate, consent of Internship Director)
63950 001 LEC, instruction mode: Classroom; Kaas, Duane A, 0 cr

LANGUAGE (Lang)

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

College of Liberal Arts

2050 The Digital Humanities: Language as Interface

(A-F only; meets DLE req of Humanities)
68703 001 LEC, 04:00pm-04:50pm MTWTh, MonH 209, instruction mode: Classroom, 4 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/llo>

Swenson College of Science & Engineering

5004 Field Limnology

(A-F only; prereq Graduate student or instructor consent; \$41.25 course fee in addition to tuition)
64786 001 LAB, 05/18/15-06/05/15, instruction mode: Classroom; Permission number required. Will meet in RLB 200, time and day to be arranged.; Sterner, Robert Warner, 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)
61863 001 LEC, 03:30pm-04:45pm TTh, EduE 16, instruction mode: Classroom; Salmon, William Noel, 3 cr
62787 002 LEC, 02:00pm-02:50pm MWF, Cina 224, instruction mode: Classroom; Turner, Daniel Robert, 3 cr
62865 003 LEC, 08:00am-08:50am MWF, H 314, instruction mode: Classroom; Turner, Daniel Robert, 3 cr

2506 Language and Writing

(A-F only; prereq WRIT 1120)
63778 001 LEC, instruction mode: Classroom, 3 cr

3102 Introduction to Syntax

(A-F only; prereq 1811 or instructor consent)
63229 001 LEC, 03:00pm-03:50pm MWF, H 484, instruction mode: Classroom; 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)
63114 001 IND, instruction mode: Independent/Directed Studies; Park, Chongwon; Salmon, William Noel, 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 instructor consent, no grad credit)
63642 001 LEC, 05:00pm-06:15pm TTh, H 484, instruction mode: Classroom; Meets with LING 5400; Meets with: 63643 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 instructor consent, no grad credit)
63793 001 FWK, instruction mode: Independent/Directed Studies; Arrange with instructor prior to registration.; 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 standing or

collegiate graduate student)
63643 001 LEC, 05:00pm-06:15pm TTh, H 484, instruction mode: Classroom; Meets with LING 4400; Meets with: 63642 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 College Grad or Grad student)
62168 001 FWK, instruction mode: Independent/Directed Studies; Arrange with instructor prior to registration.; Park, Chongwon, 3 cr

8591 Independent Study in Linguistics
(max crs 6; 6 repeats allowed; A-F only; prereq department approval)
62169 001 IND, instruction mode: Independent/Directed Studies; 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

1101 The Business Environment
(A-F only; meets LE req of LE CATS)
68842 001 LEC, 06:00pm-08:40pm Th, LSBE 135, instruction mode: Classroom, 3 cr

3301 Production and Operations Management
(A-F only; prereq LSBE candidate or approved non-LSBE business administration minor or college consent; credit will not be granted if already received for FMIS 3301)
67083 001 LEC, 09:30am-10:45am TTh, LSBE 129, instruction mode: Classroom; (LSBE candidates); Meets with: 67084 MGTS 3301; Klingner, Jill M, 3 cr
67084 002 LEC, 09:30am-10:45am TTh, LSBE 129, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 67083 MGTS 3301; Klingner, Jill M, 3 cr
67085 003 LEC, 12:00pm-12:50pm MWF, LSBE 135, instruction mode: Classroom; (LSBE candidates); Meets with: 67086 MGTS 3301; Lunde, Lai La Sha, 3 cr
67086 004 LEC, 12:00pm-12:50pm MWF, LSBE 135, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 67085 MGTS 3301; Lunde, Lai La Sha, 3 cr
67087 005 LEC, 02:00pm-02:50pm MWF, LSBE 135, instruction mode: Classroom; (LSBE candidates); Meets with: 67088 MGTS 3301; Lunde, Lai La Sha, 3 cr
67088 006 LEC, 02:00pm-02:50pm MWF, LSBE 135, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 67087 MGTS 3301; Lunde, Lai La Sha, 3 cr
67089 007 LEC, 10:00am-10:50am MWF, LSBE 135, instruction mode: Classroom; (LSBE candidates); Meets with: 67090 MGTS 3301; Lunde, Lai La Sha, 3 cr
67090 008 LEC, 10:00am-10:50am MWF, LSBE 135, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 67089 MGTS 3301; Lunde, Lai La Sha, 3 cr
67091 009 LEC, 12:30pm-01:45pm TTh, LSBE 135, instruction mode: Classroom; (LSBE candidates); Meets with: 67092 MGTS 3301; Zhang, Wenqing, 3 cr
67092 010 LEC, 12:30pm-01:45pm TTh, LSBE 135, instruction mode: Classroom; Meets with: 67091 MGTS 3301; Zhang, Wenqing, 3 cr
68039 011 LEC TTh, Room TBA, instruction mode: Classroom; Meets with: 68040 MGTS 3301; Zhang, Wenqing, 3 cr
68040 012 LEC TTh, Room TBA, instruction mode: Classroom; Meets with: 68039 MGTS 3301; Zhang, Wenqing, 3 cr

3401 Organizational Behavior and Management
(A-F; prereq LSBE candidate or business administration minor or college consent)
62152 001 LEC, 09:00am-09:50am MWF, LSBE 129, instruction mode: Classroom; (LSBE candidates); Meets with: 62578 MGTS 3401; Pierce, Jon L, 3 cr
62578 002 LEC, 09:00am-09:50am MWF, LSBE 129, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 62152 MGTS 3401; Pierce, Jon L, 3 cr
62153 003 LEC, 11:00am-11:50am MWF, LSBE 129, instruction mode: Classroom; (LSBE candidates); Meets with: 62579 MGTS 3401; Pierce, Jon L, 3 cr
62579 004 LEC, 11:00am-11:50am MWF, LSBE 129, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 62153 MGTS 3401; Pierce, Jon L, 3 cr
64336 009 LEC, 09:30am-10:45am TTh, LSBE 135, instruction mode: Classroom; (LSBE candidates); Meets with: 64337 MGTS 3401; Lyttle, Jim, 3 cr
64337 010 LEC, 09:30am-10:45am TTh, LSBE 135, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 64336 MGTS 3401; Lyttle, Jim, 3 cr
67093 011 LEC, 11:00am-12:15pm TTh, LSBE 135, instruction mode: Classroom; (LSBE candidates); Meets with: 67094 MGTS 3401; Lyttle, Jim, 3 cr
67094 012 LEC, 11:00am-12:15pm TTh, LSBE 135, instruction mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 67093 MGTS 3401; Lyttle, Jim, 3 cr

tion mode: Classroom; (Non-LSBE Bus Adm minors); Meets with: 67093 MGTS 3401; Lyttle, Jim, 3 cr

3491 Independent Study
(max crs 3; A-F; prereq department consent)
64756 001 IND, instruction mode: Independent/Directed Studies; Mencil, Jennifer, 1-3 cr

3497 Organizational Management Internship
(A-F; prereq LSBE candidate, consent of internship director)
63234 001 FWK, instruction mode: Independent/Directed Studies; Kaas, Duane A, 3 cr

3801 Human Resource Management
(A-F; prereq LSBE candidate or approved non-LSBE business administration or college consent)
62122 001 LEC, 03:00pm-03:50pm MWF, LSBE 125, instruction mode: Classroom; (LSBE candidates); Meets with: 62584 MGTS 3801; Marasi, Shelly, 3 cr

62584 002 LEC, 03:00pm-03:50pm MWF, LSBE 125, instruction mode: Classroom; (Non-LSBE Bus Administration minors); Meets with: 62122 MGTS 3801; Marasi, Shelly, 3 cr
62123 003 LEC, 12:00pm-12:50pm MWF, LSBE 129, instruction mode: Classroom; (LSBE candidates); Meets with: 62585 MGTS 3801; Marasi, Shelly, 3 cr

62585 004 LEC, 12:00pm-12:50pm MWF, LSBE 129, instruction mode: Classroom; (Non-LSBE Bus Administration minors); Meets with: 62123 MGTS 3801; Marasi, Shelly, 3 cr
62852 005 LEC, 06:00pm-08:40pm T, LSBE 129, instruction mode: Classroom; (LSBE candidates); Meets with: 62853 MGTS 3801; , 3 cr

62853 006 LEC, 06:00pm-08:40pm T, LSBE 129, instruction mode: Classroom; (Non-LSBE Bus Administration minors); Meets with: 62852 MGTS 3801; , 3 cr
63165 007 LEC, 06:00pm-08:40pm M, LSBE 135, instruction mode: Classroom; (LSBE candidates); Meets with: 63166 MGTS 3801; Marasi, Shelly, 3 cr

63166 008 LEC, 06:00pm-08:40pm M, LSBE 135, instruction mode: Classroom; (Non-LSBE Bus Administration minors); Meets with: 63165 MGTS 3801; Marasi, Shelly, 3 cr

3897 Human Resources Internship
(A-F; prereq LSBE candidate, consent of Internship Director)
63233 001 FWK, instruction mode: Independent/Directed Studies; Kaas, Duane A, 3 cr

3997 Management of Community Projects
(max crs 3; A-F; prereq 3401, 3801, LSBE candidate, instructor consent)
63734 001 FWK, instruction mode: Independent/Directed Studies; Kaas, Duane A, 1-3 cr

4421 Managing Change
(A-F; prereq 3401, LSBE candidate or grad student or college consent)
64191 001 LEC, 11:00am-11:50am MWF, LSBE 225, instruction mode: Classroom; Liang, Xin, 3 cr

4431 Leadership
(A-F; prereq 3401, LSBE candidate or college consent)
65388 001 LEC, 06:00pm-08:40pm T, LSBE 225, instruction mode: Classroom; Lyttle, Jim, 3 cr

4451 Management Inquiry
(A-F; prereq 3401, 3801, approved LSBE candidate or college consent)
62165 001 LEC, 04:00pm-05:15pm MW, LSBE 165, instruction mode: Classroom; Pierce, Jon L, 3 cr

4461 Business and Society
(A-F; prereq 3401, 3801, LSBE candidate or college consent)
63422 001 LEC, 04:00pm-05:15pm MW, LSBE 225, instruction mode: Classroom; Mencil, Jennifer, 3 cr

4463 Sustainability and Sustainable Management
(A-F only; prereq 3401 and LSBE candidate or instructor consent; no grad credit)
65371 001 LEC, 02:00pm-03:15pm TTh, LSBE 225, instruction mode: Classroom; Bell PhD, Geoffrey George, 3 cr

4472 Entrepreneurship
(A-F; prereq LSBE candidate or college consent)
67095 001 LEC, instruction mode: Correspondence; Jones III, Raymond, 3 cr

4481 Strategic Management
(A-F; prereq 3401, 3801, Mktg 3701, FMIS 3301 or MGTS 3301, FMIS 3601, 90 credits, LSBE candidate or college consent; no grad credit)
62159 001 LEC, 11:00am-12:15pm TTh, LSBE 229, instruction mode: Classroom; Bell PhD, Geoffrey George, 3 cr
62160 002 LEC, 08:00am-08:50am MWF, LSBE 233, instruction mode: Classroom; Liang, Xin, 3 cr
62161 003 LEC, 01:00pm-01:50pm MWF, LSBE 229, instruction mode: Classroom; Goel, Sanjay, 3 cr

tion mode: Classroom; Goel, Sanjay, 3 cr
62737 004 LEC, 02:00pm-02:50pm MWF, LSBE 229, instruction mode: Classroom; Goel, Sanjay, 3 cr
62890 005 LEC, 09:00am-09:50am MWF, LSBE 225, instruction mode: Classroom; Liang, Xin, 3 cr

4841 Training and Development
(A-F; prereq 3801, LSBE candidate or college consent)
67096 001 LEC, 02:00pm-02:50pm MWF, LSBE 129, instruction mode: Classroom; Marasi, Shelly, 3 cr

4851 Unions and Collective Bargaining
(A-F; prereq 3801, LSBE candidate or college consent)
62768 001 LEC, 12:30pm-01:45pm TTh, LSBE 233, instruction mode: Classroom; Xiu, Lin, 3 cr

4921 New Venture Financing
(A-F only; prereq LSBE candidate, FMIS 3601, no grad credit)
67098 001 LEC, 06:00pm-08:40pm T, LSBE 233, instruction mode: Classroom; , 3 cr

4961 Entrepreneurial Capstone Experience
(A-F only; prereq 4472, BLAW 3201, MKTG 4741, LSBE candidate, instructor consent; no grad credit)
67097 001 LEC, 09:30am-10:45am TTh, LSBE 165, instruction mode: Classroom; Jones III, Raymond, 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 candidate or approved non-LSBE business administration minor or college consent)

62142 001 LEC, 09:00am-09:50am MWF, H 403, instruction mode: Classroom; (LSBE candidates); Meets with: 62581 MKTG 3701; Kratz, John L, 3 cr
62581 002 LEC, 09:00am-09:50am MWF, H 403, instruction mode: Classroom; (Non-LSBE Bus Administration minors); Meets with: 62142 MKTG 3701; Kratz, John L, 3 cr

63160 003 LEC, 03:00pm-03:50pm MWF, LSBE 135, instruction mode: Classroom; (LSBE candidates); Meets with: 63161 MKTG 3701; Kratz, John L, 3 cr
63161 004 LEC, 03:00pm-03:50pm MWF, LSBE 135, instruction mode: Classroom; (Non-LSBE Bus Administration minors); Meets with: 63160 MKTG 3701; Kratz, John L, 3 cr

62143 005 LEC, 06:00pm-08:40pm M, Room TBA, DULUTH, instruction mode: Classroom; (LSBE candidates); Meets with: 62582 MKTG 3701; Sharkey, Steve, 3 cr
62582 006 LEC, 06:00pm-08:40pm M, Room TBA, DULUTH, instruction mode: Classroom; (Non-LSBE Bus Administration minors); Meets with: 62143 MKTG 3701; Sharkey, Steve, 3 cr

62941 007 LEC, 11:00am-12:15pm TTh, LSBE 125, instruction mode: Classroom; (LSBE candidates); Meets with: 62942 MKTG 3701; Maamoun, Ahmed F, 3 cr
62942 008 LEC, 11:00am-12:15pm TTh, LSBE 125, instruction mode: Classroom; (Non-LSBE Bus Administration minors); Meets with: 62941 MKTG 3701; Maamoun, Ahmed F, 3 cr

3711 Marketing Research
(A-F; prereq MgtS 3701 or Mktg 3701, LSBE candidate or college consent)
62150 001 LEC, 11:00am-11:50am MWF, LSBE 233, instruction mode: Classroom; Reilly, Timothy Michael, 3 cr
62583 002 LEC, 12:00pm-12:50pm MWF, LSBE 229, instruction mode: Classroom; Reilly, Timothy Michael, 3 cr

3741 Fundamentals of Selling
(A-F; prereq MgtS 3701 or Mktg 3701, LSBE candidate or college consent)
62151 001 LEC, 10:00am-10:50am MWF, LSBE 225, instruction mode: Classroom; Kratz, John L, 3 cr

3761 Marketing Analytic I: Introduction to Marketing Metrics and Fundamental Analytic Techniques
(A-F only; prereq Marketing Analytics Major)
64651 001 LEC, 02:00pm-02:50pm MWF, LSBE 119, instruction mode: Classroom; Pitterle, Sara Louise, 3 cr

3767 Marketing Analytics Summer Internship
(A-F only; prereq Marketing Analytics Major or Minor)
65411 001 FWK, instruction mode: Independent/Directed Studies; Pitterle, Sara Louise, 1 cr

3781 International Marketing
(A-F; prereq MGTS 3701 or MKTG 3701, LSBE candidate or college consent)
62760 001 LEC, 09:30am-10:45am TTh, LSBE 229, instruction mode: Classroom; Wilde, Nicole Deanna, 3 cr
67070 002 LEC, 03:30pm-04:45pm TTh, LSBE 229, instruction mode: Classroom; Maamoun, Ahmed F, 3 cr

3791 Independent Study
(max crs 3; A-F; prereq department consent)
63412 001 IND, instruction mode: Independent/Directed Studies; Vaidyanathan, Rajiv, 1-3 cr

3797 Marketing Internship
(A-F only; prereq LSBE candidate, consent of internship director; credit will not be granted if already received for MgtS 3797)
63232 001 FWK, instruction mode: Independent/Directed Studies; Kaas, Duane A, 3 cr

4721 Advertising and Marketing Communications
(A-F; prereq MgtS 3701 or Mktg 3701, LSBE candidate or college consent)
63053 001 LEC, 01:00pm-01:50pm MWF, LSBE 233, instruction mode: Classroom; Kratz, John L, 3 cr

4731 Consumer Behavior
(A-F; prereq MgtS 3701 or Mktg 3701, LSBE candidate or college consent)
62149 001 LEC, 03:30pm-04:45pm TTh, LSBE 233, instruction mode: Classroom; Wilde, Nicole Deanna, 3 cr
63157 002 LEC, 08:00am-09:15am TTh, LSBE 225, instruction mode: Classroom; Wilde, Nicole Deanna, 3 cr

4741 Developing and Marketing New Products
(A-F; prereq MGT S 3701 or MKTG 3701, LSBE candidate or college consent)
67071 001 LEC, 12:30pm-01:45pm TTh, LSBE 229, instruction mode: Classroom; Rochford, Linda, 3 cr

4751 Retailing
(A-F; prereq 3701, LSBE candidate or college consent, no grad credit)
63711 001 LEC, instruction mode: Correspondence; 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 Marketing course, 90 credits, LSBE candidate or grad or college consent)
62148 001 LEC, 08:00am-09:15am TTh, LSBE 233, instruction mode: Classroom; Rochford, Linda, 3 cr
62937 002 LEC, 09:30am-10:45am TTh, LSBE 233, instruction mode: Classroom; Rochford, Linda, 3 cr

4795 Special Topics (Various Topics to be Assigned)
(max crs 9; 9 repeats allowed; A-F; prereq LSBE cand, MGT S 3701 or MKTG 3701 or concurrent registration, no grad cr)
67072 001 LEC, 03:00pm-03:50pm MWF, LSBE 237, instruction mode: Classroom; (Students majoring or minoring in marketing analytics can not enroll in this course); Pitterle, Sara Louise, 3 cr; T: Into Sales Analysis Techniques in B2B
67073 002 LEC, 02:00pm-03:15pm TTh, LSBE 229, instruction mode: Classroom; Maamoun, Ahmed F., 3 cr

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

5200 Advocacy and Lobbying: Strategies and Tactics
(A-F only; prereq Grad student or instructor consent)
65441 001 LEC, 01:15pm-04:15pm S, LSBE 265, instruction mode: Classroom; Avner, Marcia Louise, 3 cr

5301 Campaigns and Elections
(A-F only; prereq Grad student or instructor consent)
66381 002 LEC, 06:00pm-09:00pm F, LSBE 265, instruction mode: Classroom; Hartman, Daniel Francis; Mason, Thomas Lee, 3 cr

5414 Current Issues in Advocacy & Political Leadership
(max crs 6; A-F only; prereq Graduate student)
65442 001 DIS, instruction mode: Classroom, 3 cr

6002 Policy Evaluation
(A-F; prereq MAPL student or instructor consent)
63181 001 LEC, 09:00am-12:00pm S, LSBE 225, instruction mode: Classroom; (for MAPL students only); Haugen, Barbara H, 3 cr

6008 Advocacy Internship I
(S-N only; prereq MAPL student or instructor consent)
63238 001 FWK, 12/23/14-08/28/15, instruction mode: Independent/Directed Studies; (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 instructor consent)
63054 001 FWK, 12/23/14-08/28/15, instruction mode: Independent/Directed Studies; (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 equivalent, MBA student or college consent)
67081 800 LEC, 03:00pm-08:00pm F, TBA, ROCHESTER, 02/06/15-02/06/15, 08:00am-12:15pm S, TBA, ROCHESTER, 02/07/15-02/07/15, 03:00pm-08:00pm F, TBA, ROCHESTER, 02/20/15-02/20/15, 08:00am-12:15pm S, TBA, ROCHESTER, 02/21/15-02/21/15, 03:00pm-08:00pm F, TBA, ROCHESTER, 03/06/15-03/06/15, 08:00am-12:15pm S, TBA, ROCHESTER, 03/07/15-03/07/15, instruction mode: Classroom; Rochester; Vaidyanathan, Rajiv, 2 cr

8411 Policy Formulation and Implementation
(A-F only; prereq 8311, 8501, 8611, 8711, 8811, MBA student or college consent)
65258 001 LEC, 06:00pm-08:40pm W, LSBE 265, instruction mode: Classroom; Goel, Sanjay, 3 cr

8611 Financial Management
(A-F only; prereq FMIS 3601 or equivalent, MBA student or college consent)
67100 001 LEC, 06:00pm-08:40pm Th, LSBE 229, instruction mode: Classroom, 3 cr

8711 Marketing Management
(A-F only; prereq Mktg 3701 or equivalent, MBA student or college consent)
67082 800 LEC, 03:00pm-09:00pm F, TBA, ROCHESTER, 03/20/15-03/20/15, 08:00am-12:30pm S, TBA, ROCHESTER, 03/21/15-03/21/15, 03:00pm-09:00pm F, TBA, ROCHESTER, 04/03/15-04/03/15, 08:00am-12:30pm S, TBA, ROCHESTER, 04/04/15-04/04/15, 03:00pm-09:00pm F, TBA, ROCHESTER, 04/17/15-04/17/15, 08:00am-12:30pm S, TBA, ROCHESTER, 04/18/15-04/18/15, 03:00pm-09:00pm F, TBA, ROCHESTER, 05/01/15-05/01/15, 08:00am-12:30pm S, TBA, ROCHESTER, 05/02/15-05/02/15, instruction mode: Classroom; Rochester; Aggarwal, Praveen, 3 cr

8811 Human Resource Challenges
(A-F only; prereq MBA student or college consent)
67101 001 LEC, 06:00pm-08:40pm T, LSBE 265, instruction mode: Classroom; Xiu, Lin, 3 cr

8994 Directed Research
(max crs 6; 6 repeats allowed; A-F only; prereq MBA student, college consent)
63287 001 IND, instruction mode: Independent/Directed Studies; 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 department approval)
67099 800 LEC, 03:00pm-06:30pm F, TBA, ROCHESTER, 01/09/15-01/09/15, 09:00am-12:00pm S, TBA, ROCHESTER, 01/10/15-01/10/15, 03:00pm-06:30pm F, TBA, ROCHESTER, 01/23/15-01/23/15, 09:00am-12:00pm S, TBA, ROCHESTER, 01/24/15-01/24/15, instruction mode: Classroom; Rochester, 3 cr

MASTER OF LIBERAL STUDIES (MLS)

College of Liberal Arts

8501 Seminar: Community Engagement
(A-F only; prereq graduate student and instructor consent)
65434 001 DIS, 06:00pm-09:30pm Th, Room TBA, DULUTH, 06:00pm-09:30pm Th, KPlz 309, 06:00pm-09:30pm Th, Room TBA, DULUTH, 06:00pm-09:30pm Th, Room TBA, DULUTH, 06:00pm-09:30pm Th, Room TBA, DULUTH, 06:00pm-09:30pm Th, Room TBA, DULUTH, instruction mode: Classroom; Hatcher, John, 4 cr

8591 Directed Study
(max crs 8; 8 repeats allowed; A-F only; prereq MLS candidate or department consent)
65435 001 IND, instruction mode: Independent/Directed Studies; Beard, David Edward, 1-8 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 only; prereq 5110 or instructor consent)
64633 001 LEC, 08:30am-11:30am S, KPlz 312, 01/24/15-01/24/15, 08:30am-11:30am S, KPlz 312, 03/07/15-03/07/15, 08:30am-11:30am S, KPlz 312, 04/04/15-04/04/15, 08:30am-11:30am S, KPlz 312, 05/02/15-05/02/15, instruction mode: Primarily Online; Meeting dates: 1/24/15, 3/7/15, 4/4/15, and 5/2/15; Johnson Esq, Tadd Mathew, 3 cr

5220 Administration and Governance II (Operations)
(A-F only; prereq 5210 or instructor consent)
64641 001 LEC, 12:30pm-03:30pm S, KPlz 312, OFF-CAMPUS, 01/24/15-01/24/15, 12:30pm-03:30pm S, KPlz 312, OFF-CAMPUS, 03/07/15-03/07/15, 12:30pm-03:30pm S, KPlz 312, OFF-CAMPUS, 04/04/15-04/04/15, 12:30pm-03:30pm S, KPlz 312, OFF-CAMPUS, 05/02/15-05/02/15, instruction mode: Primarily Online; Meeting dates: 1/24/15, 3/7/15, 4/4/15, 5/2/15; Minnema, Edward Yasuda, 3 cr

5240 Advanced Tribal Administration and Governance II (Project)
(A-F only; prereq 5230 or instructor consent)
64872 001 LEC, 08:30am-11:30am S, KPlz 385, OFF-CAMPUS, 01/24/15-01/24/15, 08:30am-11:30am S, KPlz 385, OFF-CAMPUS, 03/07/15-03/07/15, 08:30am-11:30am S, KPlz 385, OFF-CAMPUS, 04/04/15-04/04/15, 08:30am-11:30am S, KPlz 385, OFF-CAMPUS, 05/02/15-05/02/15, instruction mode: Primarily Online; Meeting dates: 1/24/15, 3/7/15, 4/4/15, 5/2/15; Minnema, Edward Yasuda, 3 cr

5320 Applied Leadership and Ethics in an Indigenous Organizational Context
(A-F only; prereq 5310 or instructor consent)
64642 001 LEC, 06:00pm-08:50pm F, KPlz 312, OFF-CAMPUS, 01/23/15-01/23/15, 06:00pm-08:50pm F, KPlz 312, OFF-CAMPUS, 03/06/15-03/06/15, 06:00pm-08:50pm F, KPlz 312, OFF-CAMPUS, 04/03/15-04/03/15, 06:00pm-08:50pm F, KPlz 312, OFF-CAMPUS, 05/01/15-05/01/15, instruction mode: Primarily Online; Meeting dates: 1/23/15, 3/6/15, 4/3/15, 5/1/15; Rauschenfels, Diane Jane, 3 cr

5440 Tribal Finance, Accounting and Budgets II
(A-F only; prereq 5430 or instructor consent)
64871 001 LEC, 06:00pm-08:50pm F, KPlz 385, OFF-CAMPUS, 01/23/15-01/23/15, 06:00pm-08:50pm F, KPlz 385, OFF-CAMPUS, 03/06/15-03/06/15, 06:00pm-08:50pm F, KPlz 385, OFF-CAMPUS, 04/03/15-04/03/15, 06:00pm-08:50pm F, KPlz 385, OFF-CAMPUS, 05/01/15-05/01/15, instruction mode: Primarily Online; Meeting dates: 1/23/15, 3/6/15, 4/3/15, 5/1/15; Greiner, Kimberly Ann, 3 cr

5540 Federal Indian Law II
(A-F only; prereq 5530 or instructor consent)
64873 001 LEC, 12:30pm-03:30pm S, KPlz 385, OFF-CAMPUS, 01/24/15-01/24/15, 12:30pm-03:30pm S, KPlz 385, OFF-CAMPUS, 03/07/15-03/07/15, 12:30pm-03:30pm S, KPlz 385, OFF-CAMPUS, 04/04/15-04/04/15, 12:30pm-03:30pm S, KPlz 385, OFF-CAMPUS, 05/02/15-05/02/15, instruction mode: Primarily Online; Meeting dates: 1/24/15, 3/7/15, 4/4/15, 5/2/15; 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

103 Basic Mathematics and Introductory Algebra
(S-N only; prereq [3 cr equiv]; cannot apply cr toward a degree. (the preparatory course fee is equal to 3 credits of resident tuition))
64858 001 LEC, 01:00pm-01:50pm MWF, EduE 50, instruction mode: Classroom; , 0 cr
64860 002 LEC, 08:00am-08:50am MWF, BohH 104, instruction mode: Classroom; Zimmermann, Laura Joan, 0 cr

1005 College Algebra
(A-F only; prereq Math ACT 21 or higher or SSP 0103 or department consent)
62745 001 LEC, 09:00am-09:50am MTWThF, KAML 215, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; ; Zimmermann, Laura Joan, 5 cr
62757 002 LEC, 10:00am-10:50am MTWThF, KAML 215, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; ; Zimmermann, Laura Joan, 5 cr

University of Minnesota – Class Schedule for Duluth Campus

Spring 2015

1024 Introduction to Contemporary Mathematics

(A-F only; prereq Math ACT 18 or higher or SSP 0103 or department consent, a grade of C- or better in is required in all prerequisite courses; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)

- 62916 001 LEC, 08:00am-08:50am MWF, ABAA 225, instruction mode: Classroom; Breckenridge, Rachel Bursheim, 3 cr
65314 002 LEC, 09:00am-09:50am MWF, SCC 120, instruction mode: Classroom; Breckenridge, Rachel Bursheim, 3 cr

1142 Mathematics for Elementary Education II

(A-F only; prereq 1140)

- 64943 001 LEC, 09:00am-09:50am MWF, Chem 150, instruction mode: Classroom; 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 department 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, 08:00am-08:50am MWF, LSci 185, instruction mode: Classroom; Erdmann, Eric Michael
61978 002 DIS, 08:00am-08:50am TTh, Engr 280, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 5 cr
61979 003 DIS, 09:00am-09:50am TTh, Engr 177, instruction mode: Classroom; , 5 cr
61980 004 DIS, 10:00am-10:50am TTh, HH 216, instruction mode: Classroom; , 5 cr
61981 005 DIS, 11:00am-11:50am TTh, SSB 216, instruction mode: Classroom; , 5 cr
61982 006 DIS, 12:00pm-12:50pm TTh, EduE 32, instruction mode: Classroom; , 5 cr
61983 007 DIS, 04:00pm-04:50pm TTh, EduE 20, instruction mode: Classroom; , 5 cr
008 LEC, 09:00am-09:50am MWF, LSci 175, instruction mode: Classroom; Niedzielski, Kate
61985 009 DIS, 08:00am-08:50am TTh, EduE 36, instruction mode: Classroom; , 5 cr
61986 010 DIS, 09:00am-09:50am TTh, EduE 36, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 5 cr
61987 011 DIS, 10:00am-10:50am TTh, Room TBA, DULUTH, instruction mode: Classroom; , 5 cr
61988 012 DIS, 12:00pm-12:50pm TTh, EduE 17, instruction mode: Classroom; , 5 cr
61989 013 DIS, 02:00pm-02:50pm TTh, VKH 221, instruction mode: Classroom; , 5 cr
61990 014 DIS, 04:00pm-04:50pm TTh, EduE 50, instruction mode: Classroom; , 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 department consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)

- 001 LEC, 08:00am-08:50am MWF, LSci 175, instruction mode: Classroom; Sjoberg, Tom C
61992 002 DIS, 08:00am-08:50am TTh, EduE 32, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 4 cr
61993 003 DIS, 10:00am-10:50am TTh, MWAH 191, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 4 cr
61994 004 DIS, 11:00am-11:50am TTh, Engr 118, instruction mode: Classroom; , 4 cr
61995 005 DIS, 12:00pm-12:50pm TTh, Engr 118, instruction mode: Classroom; , 4 cr
63296 006 DIS, 01:00pm-01:50pm TTh, EduE 17, instruction mode: Classroom; , 4 cr
63297 007 DIS, 02:00pm-02:50pm TTh, Engr 290, instruction mode: Classroom; , 4 cr
008 LEC, 10:00am-10:50am MWF, H 403, instruction mode: Classroom; Sjoberg, Tom C
66294 009 DIS, 10:00am-10:50am TTh, Room TBA, DULUTH, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Sjoberg, Tom C, 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 department consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2; \$71.75 course fee in addition to tuition)

- 001 LEC, 10:00am-10:50am MWF, EduE 32, instruction mode: Classroom; Sharp, Angela Marie

61997 002 LAB, 10:00am-10:50am T, Engr 204, instruction mode: Classroom; , 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 185, instruction mode: Classroom; Erdmann, Eric Michael
61999 002 DIS, 08:00am-08:50am TTh, EduE 50, instruction mode: Classroom; , 5 cr
62000 003 DIS, 11:00am-11:50am TTh, EduE 50, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 5 cr
62001 004 DIS, 12:00pm-12:50pm TTh, EduE 50, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 5 cr
62002 005 DIS, 12:00pm-12:50pm TTh, EduE 20, instruction mode: Classroom; , 5 cr
62003 006 DIS, 01:00pm-01:50pm TTh, Engr 118, instruction mode: Classroom; , 5 cr
62004 007 DIS, 02:00pm-02:50pm TTh, Chem 155, instruction mode: Classroom; , 5 cr
008 LEC, 12:00pm-12:50pm MWF, SCC 120, instruction mode: Classroom; Breckenridge, Rachel Bursheim
62006 009 DIS, 08:00am-08:50am TTh, EduE 20, instruction mode: Classroom; , 5 cr
62007 010 DIS, 10:00am-10:50am TTh, BohH 343, instruction mode: Classroom; , 5 cr
62008 011 DIS, 11:00am-11:50am TTh, EduE 20, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 5 cr
62009 012 DIS, 12:00pm-12:50pm TTh, BohH 346, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 5 cr
62010 013 DIS, 01:00pm-01:50pm TTh, EduE 50, instruction mode: Classroom; , 5 cr
62011 014 DIS, 02:00pm-02:50pm TTh, H 314, instruction mode: Classroom; , 5 cr
015 LEC, 02:00pm-02:50pm MWF, ABAA 445, instruction mode: Classroom; Sjoberg, Tom C
64267 016 DIS, 02:00pm-02:50pm TTh, Engr 177, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Sjoberg, Tom C, 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, 10:00am-10:50am MWF, ABAA 245, instruction mode: Classroom; Breckenridge, Rachel Bursheim
62013 002 DIS, 10:00am-10:50am TTh, Engr 177, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; Breckenridge, Rachel Bursheim, 5 cr
003 LEC, 12:00pm-12:50pm MWF, LSci 185, instruction mode: Classroom; Sharp, Angela Marie
62020 004 DIS, 08:00am-08:50am TTh, SCC 21, instruction mode: Classroom; , 5 cr
62021 005 DIS, 11:00am-11:50am TTh, H 480, instruction mode: Classroom; , 5 cr
62022 006 DIS, 12:00pm-12:50pm TTh, SCC 21, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 5 cr
63396 007 DIS, 01:00pm-01:50pm TTh, EduE 20, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; , 5 cr
63397 008 DIS, 01:00pm-01:50pm TTh, SCC 21, instruction mode: Classroom; , 5 cr
63398 009 DIS, 02:00pm-02:50pm TTh, EduE 32, instruction mode: Classroom; , 5 cr
010 LEC, 01:00pm-01:50pm MWF, LSci 185, instruction mode: Classroom; Pierson, Chad Michael
64265 011 DIS, 09:00am-09:50am TTh, EduE 32, instruction mode: Classroom; , 5 cr
66333 012 DIS, 10:00am-10:50am TTh, SCC 21, instruction mode: Classroom; , 5 cr
66334 013 DIS, 11:00am-11:50am TTh, SCC 21, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 5 cr
66335 014 DIS, 02:00pm-02:50pm TTh, Chem 150, instruction mode: Classroom; (Open UST reserved seats will be

available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 5 cr
66336 015 DIS, 03:00pm-03:50pm TTh, Engr 118, instruction mode: Classroom; , 5 cr
66337 016 DIS, 04:00pm-04:50pm TTh, EduE 17, instruction mode: Classroom; , 5 cr

3091 Independent Study

(max crs 8; 8 repeats allowed; A-F only; prereq department consent)

- 62442 001 IND, instruction mode: Independent/Directed Studies; Fei, Guihua, 1-3 cr
62443 002 IND, instruction mode: Independent/Directed Studies; Froncek, Dalibor, 1-3 cr
62444 003 IND, instruction mode: Independent/Directed Studies; Gallian, Joseph A., 1-3 cr
62445 004 IND, instruction mode: Independent/Directed Studies; Green, Richard F., 1-3 cr
62446 005 IND, instruction mode: Independent/Directed Studies; Greene, John Robert, 1-3 cr
62447 006 IND, instruction mode: Independent/Directed Studies; James, Barry R., 1-3 cr
62448 007 IND, instruction mode: Independent/Directed Studies; James, Kang Ling, 1-3 cr
62449 008 IND, instruction mode: Independent/Directed Studies; Latterell, Carmen Marie, 1-3 cr
62451 010 IND, instruction mode: Independent/Directed Studies; Liu, Zhuangyi, 1-3 cr
62453 012 IND, instruction mode: Independent/Directed Studies; Peckham, Bruce B L, 1-3 cr
62454 013 IND, instruction mode: Independent/Directed Studies; Qi, Yongcheng, 1-3 cr
62455 014 IND, instruction mode: Independent/Directed Studies; Chiou, Steven, 1-3 cr
62456 015 IND, instruction mode: Independent/Directed Studies; Stech, Harlan W, 1-3 cr
62697 016 IND, instruction mode: Independent/Directed Studies; Trogdon, Steven Arman, 1-3 cr
63175 017 IND, instruction mode: Independent/Directed Studies; Hampton, Marshall E, 1-3 cr
64891 018 IND, instruction mode: Independent/Directed Studies; Li, Xuan, 1-3 cr
65288 019 IND, instruction mode: Independent/Directed Studies; Li, Yang, 1-3 cr

3097 Internship

(max crs 3; 3 repeats allowed; S-N only; prereq Math major, department consent)

- 62561 001 FWK, instruction mode: Independent/Directed Studies; Fei, Guihua, 1-3 cr
62457 002 FWK, instruction mode: Independent/Directed Studies; Froncek, Dalibor, 1-3 cr
62458 003 FWK, instruction mode: Independent/Directed Studies; Gallian, Joseph A., 1-3 cr
62459 004 FWK, instruction mode: Independent/Directed Studies; Green, Richard F., 1-3 cr
62460 005 FWK, instruction mode: Independent/Directed Studies; Greene, John Robert, 1-3 cr
62461 006 FWK, instruction mode: Independent/Directed Studies; James, Barry R., 1-3 cr
62462 007 FWK, instruction mode: Independent/Directed Studies; James, Kang Ling, 1-3 cr
62463 008 FWK, instruction mode: Independent/Directed Studies; Latterell, Carmen Marie, 1-3 cr
62465 010 FWK, instruction mode: Independent/Directed Studies; Liu, Zhuangyi, 1-3 cr
62467 012 FWK, instruction mode: Independent/Directed Studies; Peckham, Bruce B L, 1-3 cr
62468 013 FWK, instruction mode: Independent/Directed Studies; Qi, Yongcheng, 1-3 cr
62469 014 FWK, instruction mode: Independent/Directed Studies; Chiou, Steven, 1-3 cr
62470 015 FWK, instruction mode: Independent/Directed Studies; Stech, Harlan W, 1-3 cr
62698 016 FWK, instruction mode: Independent/Directed Studies; Trogdon, Steven Arman, 1-3 cr
63176 017 FWK, instruction mode: Independent/Directed Studies; Hampton, Marshall E, 1-3 cr
64892 018 FWK, instruction mode: Independent/Directed Studies; Li, Xuan, 1-3 cr
65289 019 FWK, instruction mode: Independent/Directed Studies; Li, Yang, 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)

- 62023 001 LEC, 12:00pm-12:50pm MTWF, MWAH 191, instruction mode: Classroom; 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, instructor consent, a grade of C- or better in is required in all prerequisite courses)

- 62024 001 FWK, instruction mode: Independent/Directed Studies; Contact the instructor to arrange a tutoring

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| schedule.; Latterell, Carmen Marie, 1-2 cr | 3355, CS 1511, Stat 3611 or instructor consent, a grade of C- or better in is required in all prerequisite courses; \$71.75 course fee in addition to tuition) | 63023 007 IND, instruction mode: Independent/Directed Studies; James, Kang Ling, 1-18 cr |
| 3280 Differential Equations with Linear Algebra (A-F only; prereq A grade of at least C- in 1297 or 1597; \$71.75 course fee in addition to tuition) | 63753 001 LEC, 03:00pm-03:50pm WF, SCC 21, 03:00pm-03:50pm M, MonH 209, instruction mode: Classroom; Hampton, Marshall E, 3 cr | 63024 008 IND, instruction mode: Independent/Directed Studies; Latterell, Carmen Marie, 1-18 cr |
| 001 LEC, 09:00am-09:50am MWThF, BohH 112, instruction mode: Classroom; Stech, Harlan W | | 63026 010 IND, instruction mode: Independent/Directed Studies; Liu, Zhuangyi, 1-18 cr |
| 62026 002 LAB, 09:00am-09:50am T, MonH 209, instruction mode: Classroom; , 4 cr | | 63028 012 IND, instruction mode: Independent/Directed Studies; Peckham, Bruce B L, 1-18 cr |
| 003 LEC, 10:00am-10:50am MWThF, EduE 16, instruction mode: Classroom; Colt, Diana Lynn | | 63029 013 IND, instruction mode: Independent/Directed Studies; Qi, Yongcheng, 1-18 cr |
| 62028 004 LAB, 10:00am-10:50am T, MonH 209, instruction mode: Classroom; , 4 cr | | 63030 014 IND, instruction mode: Independent/Directed Studies; Chiou, Steven, 1-18 cr |
| 005 LEC, 11:00am-11:50am MWThF, KPlz 312, instruction mode: Classroom; Stech, Harlan W | | 63031 015 IND, instruction mode: Independent/Directed Studies; Stech, Harlan W, 1-18 cr |
| 62030 006 LAB, 11:00am-11:50am T, MonH 209, instruction mode: Classroom; , 4 cr | | 63032 016 IND, instruction mode: Independent/Directed Studies; Trogdon, Steven Arman, 1-18 cr |
| 007 LEC, 12:00pm-12:50pm MWThF, ABAH 235, instruction mode: Classroom; Colt, Diana Lynn | | 63178 017 IND, instruction mode: Independent/Directed Studies; Hampton, Marshall E, 1-18 cr |
| 62789 008 LAB, 12:00pm-12:50pm T, MonH 209, instruction mode: Classroom; , 4 cr | | 64894 018 IND, instruction mode: Independent/Directed Studies; Li, Xuan, 1-18 cr |
| 009 LEC, 01:00pm-01:50pm MWThF, EduE 16, instruction mode: Classroom; Zimmermann, Laura Joan | | 65291 019 IND, instruction mode: Independent/Directed Studies; Li, Yang, 1-18 cr |
| 63995 010 LAB, 01:00pm-01:50pm T, MonH 209, instruction mode: Classroom; , 4 cr | | 68701 020 IND, instruction mode: Independent/Directed Studies; Rosenberg, Steven Jay, 1-18 cr |
| 3298 Calculus III (A-F only; prereq A grade of at least C- in 1297 or 1597; \$71.75 course fee in addition to tuition) | | 8994 Directed Research (max crs 12; 12 repeats allowed; A-F only; prereq instructor consent) |
| 001 LEC, 08:00am-08:50am MTWF, EduE 40, instruction mode: Classroom; Pierson, Chad Michael | | 62486 001 IND, instruction mode: Independent/Directed Studies; Fei, Guihua, 1-4 cr |
| 62032 002 LAB, 08:00am-08:50am Th, KPlz 143, instruction mode: Classroom; , 4 cr | | 62487 002 IND, instruction mode: Independent/Directed Studies; Froncek, Dalibor, 1-4 cr |
| 003 LEC, 09:00am-09:50am MTWF, SCC 21, instruction mode: Classroom; Pierson, Chad Michael | | 62488 003 IND, instruction mode: Independent/Directed Studies; Gallian, Joseph A, 1-4 cr |
| 62034 004 LAB, 09:00am-09:50am Th, KPlz 143, instruction mode: Classroom; , 4 cr | | 62489 004 IND, instruction mode: Independent/Directed Studies; Green, Richard F, 1-4 cr |
| 005 LEC, 10:00am-10:50am MTWF, Cina 102, instruction mode: Classroom; Niedzielski, Kate | | 62490 005 IND, instruction mode: Independent/Directed Studies; Greene, John Robert, 1-4 cr |
| 63736 006 LAB, 10:00am-10:50am Th, KPlz 143, instruction mode: Classroom; , 4 cr | | 62491 006 IND, instruction mode: Independent/Directed Studies; James, Barry R, 1-4 cr |
| 007 LEC, 12:00pm-12:50pm MTWF, EduE 16, instruction mode: Classroom; Niedzielski, Kate | | 62492 007 IND, instruction mode: Independent/Directed Studies; James, Kang Ling, 1-4 cr |
| 63997 008 LAB, 12:00pm-12:50pm Th, KPlz 143, instruction mode: Classroom; , 4 cr | | 62493 008 IND, instruction mode: Independent/Directed Studies; Latterell, Carmen Marie, 1-4 cr |
| 009 LEC, 01:00pm-01:50pm MTWF, EduE 40, instruction mode: Classroom; Erdmann, Eric Michael | | 62495 010 IND, instruction mode: Independent/Directed Studies; Liu, Zhuangyi, 1-4 cr |
| 64948 010 LAB, 01:00pm-01:50pm Th, KPlz 143, instruction mode: Classroom; , 4 cr | | 62497 012 IND, instruction mode: Independent/Directed Studies; Peckham, Bruce B L, 1-4 cr |
| 3326 Vectors and Matrices (A-F only; prereq 1297 or 1597 with a grade of C- or better) | | 62498 013 IND, instruction mode: Independent/Directed Studies; Qi, Yongcheng, 1-4 cr |
| 67102 001 LEC, 12:00pm-12:50pm MWF, EduE 32, instruction mode: Classroom; Bibelniks, Tracy, 3 cr | | 62499 014 IND, instruction mode: Independent/Directed Studies; Chiou, Steven, 1-4 cr |
| 3355 Discrete Mathematics (A-F only; prereq 1297 or 1597 or instructor consent, a grade of C- or better in is required in all prerequisite courses) | | 62500 015 IND, instruction mode: Independent/Directed Studies; Stech, Harlan W, 1-4 cr |
| 62036 001 LEC, 11:00am-11:50am MWThF, Cina 308, instruction mode: Classroom; Kovar, Petr, 4 cr | | 62700 016 IND, instruction mode: Independent/Directed Studies; Trogdon, Steven Arman, 1-4 cr |
| 64985 002 LEC, 12:00pm-12:50pm MWThF, EduE 36, instruction mode: Classroom; Kovar, Petr, 4 cr | | 63179 017 IND, instruction mode: Independent/Directed Studies; Hampton, Marshall E, 1-4 cr |
| 3810 Applied Mathematics: Numerical Methods (A-F only; prereq previous or concurrent registration in 3280; \$71.75 course fee in addition to tuition) | | 64895 018 IND, instruction mode: Independent/Directed Studies; Li, Xuan, 1-4 cr |
| 001 LEC, 10:00am-10:50am MWF, SCC 21, instruction mode: Classroom; Trogdon, Steven Arman | | 65292 019 IND, instruction mode: Independent/Directed Studies; Li, Yang, 1-4 cr |
| 64647 002 LAB, 10:00am-10:50am T, KPlz 143, instruction mode: Classroom; , 4 cr | | |
| 3941 Undergraduate Colloquium (S-N only; prereq Math major or minor, department consent; must register during semester of 16th point) | | |
| 62037 001 LEC, 03:00pm-04:50pm Th, Chem 150, instruction mode: Classroom; 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 credit; credit will not be granted if already received for 3299) | | |
| 62035 001 LEC, 10:00am-10:50am MWThF, Room TBA, DULUTH, instruction mode: Classroom; Fei, Guihua, 4 cr | | |
| 4230 Applied Mathematics: Complex Variables (A-F only; prereq 3280 with a grade of C- or better) | | |
| 63752 001 LEC, 09:00am-09:50am MWF, EduE 32, instruction mode: Classroom; Fei, Guihua, 3 cr | | |
| 4326 Linear Algebra (A-F only; prereq A grade of at least C- in 3280, 3355, no grad credit) | | |
| 62717 001 LEC, 10:00am-10:50am MWF, HH 216, instruction mode: Classroom; Fei, Guihua, 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 instructor consent, a grade of C- or better in is required in all prerequisite courses; \$71.75 course fee in addition to tuition) | |
| | 63753 001 LEC, 03:00pm-03:50pm WF, SCC 21, 03:00pm-03:50pm M, MonH 209, instruction mode: Classroom; Hampton, Marshall E, 3 cr | |
| | 5327 Advanced Linear Algebra (A-F only; prereq Graduate student or instructor consent) | |
| | 62718 001 LEC, 02:00pm-02:50pm MWF, EduE 36, instruction mode: Classroom; Kovarova, Tereza, 3 cr | |
| | 5365 Graph Theory (A-F only; prereq 3355 with a grade of C- or better or instructor consent) | |
| | 64009 001 LEC, 02:00pm-02:50pm MWF, EduE 32, instruction mode: Classroom; Kovar, Petr, 3 cr | |
| | 5372 Abstract Algebra II (A-F only; prereq 5371 with a grade of C- or better or instructor consent) | |
| | 62677 001 LEC, 03:00pm-03:50pm MWF, EduE 51, instruction mode: Classroom; , 3 cr | |
| | 5810 Linear Programming (A-F only; prereq 3280 or 4326f with a grade of C- or better) | |
| | 66273 001 LEC, 11:00am-11:50am MWF, SCC 120, instruction mode: Classroom; 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++) | |
| | 66274 001 LEC, 12:00pm-12:50pm MWF, EduE 51, instruction mode: Classroom; Trogdon, Steven Arman, 4 cr | |
| | 5991 Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq department consent; Maximum 6 credits to a grad program.) | |
| | 62471 001 IND, instruction mode: Independent/Directed Studies; Fei, Guihua, 1-4 cr | |
| | 62472 002 IND, instruction mode: Independent/Directed Studies; Froncek, Dalibor, 1-4 cr | |
| | 62473 003 IND, instruction mode: Independent/Directed Studies; Gallian, Joseph A, 1-4 cr | |
| | 62474 004 IND, instruction mode: Independent/Directed Studies; Green, Richard F, 1-4 cr | |
| | 62475 005 IND, instruction mode: Independent/Directed Studies; Greene, John Robert, 1-4 cr | |
| | 62476 006 IND, instruction mode: Independent/Directed Studies; James, Barry R, 1-4 cr | |
| | 62477 007 IND, instruction mode: Independent/Directed Studies; James, Kang Ling, 1-4 cr | |
| | 62478 008 IND, instruction mode: Independent/Directed Studies; Latterell, Carmen Marie, 1-4 cr | |
| | 62480 010 IND, instruction mode: Independent/Directed Studies; Liu, Zhuangyi, 1-4 cr | |
| | 62482 012 IND, instruction mode: Independent/Directed Studies; Peckham, Bruce B L, 1-4 cr | |
| | 62483 013 IND, instruction mode: Independent/Directed Studies; Qi, Yongcheng, 1-4 cr | |
| | 62484 014 IND, instruction mode: Independent/Directed Studies; Chiou, Steven, 1-4 cr | |
| | 62485 015 IND, instruction mode: Independent/Directed Studies; Stech, Harlan W, 1-4 cr | |
| | 62699 016 IND, instruction mode: Independent/Directed Studies; Trogdon, Steven Arman, 1-4 cr | |
| | 63177 017 IND, instruction mode: Independent/Directed Studies; Hampton, Marshall E, 1-4 cr | |
| | 64893 018 IND, instruction mode: Independent/Directed Studies; Li, Xuan, 1-4 cr | |
| | 65290 019 IND, instruction mode: Independent/Directed Studies; Li, Yang, 1-4 cr | |
| | 8201 Real Analysis (A-F only; prereq 5201 with a grade of C- or better) | |
| | 66275 001 LEC, 12:00pm-12:50pm MWF, EduE 17, instruction mode: Classroom; Peckham, Bruce B L, 3 cr | |
| | 8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent) | |
| | 61846 001 IND, instruction mode: Independent/Directed Studies; Liu, Zhuangyi, 1 cr | |
| | 8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Maximum 18 credits per semester or summer; 10 credits total required (Plan A only)) | |
| | 62627 001 IND, instruction mode: Independent/Directed Studies; Fei, Guihua, 1-18 cr | |
| | 63018 002 IND, instruction mode: Independent/Directed Studies; Froncek, Dalibor, 1-18 cr | |
| | 63019 003 IND, instruction mode: Independent/Directed Studies; Gallian, Joseph A, 1-18 cr | |
| | 63020 004 IND, instruction mode: Independent/Directed Studies; Green, Richard F, 1-18 cr | |
| | 63021 005 IND, instruction mode: Independent/Directed Studies; Greene, John Robert, 1-18 cr | |
| | 63022 006 IND, instruction mode: Independent/Directed | |

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 previously given for Engr 2110 or IE 2105.; \$71.75 course fee in addition to tuition)

63795 001 LEC, 02:00pm-02:50pm MWF, VKH 221, instruction mode: Classroom; Dryke, Jake, 3 cr

63796 002 LEC, 09:00am-09:50am MWF, Engr 290, instruction mode: Classroom; Zhao, Ping, 3 cr

2211 Thermodynamics

(A-F only; prereq PHYS 2013; credit will not be granted if already received for ME 3211.; \$71.75 course fee in addition to tuition)

64616 002 LEC, 08:00am-08:50am MWF, Engr 290, instruction mode: Classroom; Hinderliter, Brian R, 3 cr

2226 Dynamics

(Credit will not be granted if credit has been received for ENGR 2026; A-F only; prereq CE 2017 and Math 3280 (concurrent registration allowed); \$71.75 course fee in addition to tuition)

64229 001 LEC, 10:00am-10:50am MWF, VKH 221, instruction mode: Classroom; Al-Geddawy, Tarek Nayer Hossein, 3 cr

64230 002 LEC, 02:00pm-02:50pm MWF, Engr 177, instruction mode: Classroom; , 3 cr

3111 Fluid Mechanics
(A-F only; prereq Engr 2026 or ME 2226, ME 2211 or 3211, BSME candidate or instructor consent; credit will not be granted if already received for ChE 3111 or CE 3221; \$71.75 course fee in addition to tuition)
63376 001 LEC, 08:30am-09:45am TTh, VKH 221, instruction mode: Classroom; Hoxie, Alison Behrens, 3 cr
65356 002 LEC, 10:00am-11:15am TTh, Room TBA, DULUTH, instruction mode: Classroom, 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 candidate or instructor consent; \$71.75 course fee in addition to tuition)
63377 001 LEC, 10:00am-10:50am MWF, Engr 177, 10:00am-10:50am F, Engr 204, instruction mode: Classroom; , 3 cr

3222 Controls and Kinematics Laboratory
(A-F; prereq 3140 with a grade of C- or better and 3230 (concurrent registration allowed); \$71.75 course fee in addition to tuition; \$41.25 course fee in addition to tuition)
001 LEC, 12:00pm-12:50pm M, Engr 177, instruction mode: Classroom; Zhou, Debao
63513 002 LAB, 10:00am-11:50am Th, VKH 106, instruction mode: Classroom; Zhou, Debao, 2 cr
63514 003 LAB, 01:00pm-02:50pm Th, VKH 106, instruction mode: Classroom; Zhou, Debao, 2 cr
004 LEC, 12:00pm-12:50pm M, Engr 280, instruction mode: Classroom; Al-Geddawy, Tarek Nayer Hossein
63516 005 LAB, 10:00am-11:50am T, VKH 106, instruction mode: Classroom; Al-Geddawy, Tarek Nayer Hossein, 2 cr
63517 006 LAB, 01:00pm-02:50pm T, VKH 106, instruction mode: Classroom; Al-Geddawy, Tarek Nayer Hossein, 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; \$71.75 course fee in addition to tuition)
63518 002 LEC, 09:00am-09:50am MWF, MonH 203, 09:00am-09:50am F, Engr 204, instruction mode: Classroom; 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)
67303 001 LEC, 02:00pm-02:50pm MWF, Engr 280, instruction mode: Classroom, 3 cr

4112 Heat and Mass Transfer
(Credit will not be granted if credit has been received for: CHE 3112; A-F only; prereq 3111, Math 3298, BSME or BSChE candidate or instructor consent; \$71.75 course fee in addition to tuition)
63288 001 LEC, 01:00pm-01:50pm MWF, VKH 221, instruction mode: Classroom; Pedersen PhD, Bill, 3 cr

4122 Heat Transfer, Thermodynamics and Fluid Mechanics Laboratory
(A-F only; prereq Must be taken after or concurrently with ME 4112 or ChE 3112 or instructor consent, BSME candidate; \$71.75 course fee in addition to tuition; \$41.25 course fee in addition to tuition)
001 LEC, 04:00pm-04:50pm M, Engr 280, instruction mode: Classroom; Abou PhD, Seraphin Chally
63344 002 LAB, 08:00am-09:50am T, VKH 168, instruction mode: Classroom; Abou PhD, Seraphin Chally, 2 cr
63239 003 LAB, 01:00pm-02:50pm T, VKH 168, instruction mode: Classroom; Abou PhD, Seraphin Chally, 2 cr
004 LEC, 04:00pm-04:50pm M, Engr 118, instruction mode: Classroom; Natarajan, Gana
63797 005 LAB, 10:00am-11:50am T, VKH 168, instruction mode: Classroom; Hinderliter, Brian R, 2 cr
63798 006 LAB, 08:00am-09:50am Th, VKH 168, instruction mode: Classroom; Natarajan, Gana, 2 cr

4135 Robotics and Controls
(A-F only; prereq ME 3140, 3230, ENGR 2026 or ME 2226, BSME or BSIE candidate or instructor consent; \$71.75 course fee in addition to tuition)
65224 001 LEC, instruction mode: Classroom, 3 cr

4145 CAD/CAM
(A-F only; prereq IE 1225 or Engr 1222, Engr 2016 or CE 2017, BSME cand, or instructor consent; credit will not be granted if already received for IE 4145; \$71.75 course fee in addition to tuition; \$41.25 course fee in addition to tuition)
001 LEC, 03:00pm-03:50pm MWF, Engr 280, 03:00pm-03:50pm F, Engr 204, instruction mode: Classroom; Greminger, Michael Allen
62266 002 LAB, 08:00am-09:50am T, Engr 204, instruction mode: Classroom; Greminger, Michael Allen, 4 cr
62267 003 LAB, 08:00am-09:50am Th, Engr 204, instruction mode: Classroom; Al-Geddawy, Tarek Nayer Hossein, 4 cr

65353 004 LAB, 12:00pm-01:50pm Th, H 470, instruction mode: Classroom; Greminger, Michael Allen, 4 cr

4175 Machine Design
(A-F only; prereq Engr 2016 or CE 2017 and ME 2105, BSME candidate or instructor consent; credit will not be granted if already received for IE 4175; \$71.75 course fee in addition to tuition)
63289 001 LEC, 11:00am-11:50am MWF, Engr 290, instruction mode: Classroom; 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 candidate, instructor consent, no grad credit)
63146 001 FWK, instruction mode: Independent/Directed Studies; 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 3230, 4112, 4175, EMgt 4110, BSME candidate, or instructor consent, no grad credit; \$71.75 course fee in addition to tuition)
001 LEC, 03:00pm-04:50pm T, VKH 221, instruction mode: Classroom; Tues 3-4:50 pm needs a regular lecture room for IE and ME 4255; Pedersen PhD, Bill
62846 002 LAB, 01:00pm-04:50pm Th, Room TBA, DULUTH, instruction mode: Classroom; Thur 1-4:50 schedule IE and ME 4255 in 260 Engr; Pedersen PhD, Bill, 4 cr

4296 Cooperative Education II
(Credit will not be granted if credit has been received for: IE 4296; A-F only; prereq 4196 or IE 4196; no grad credit)
64917 001 FWK, instruction mode: Independent/Directed Studies; Rosandich PhD, Ryan G, 2 cr

4491 Independent Study in Mechanical Engineering
(max crs 6; 4 repeats allowed; prereq Senior standing in engineering discipline, instructor consent)
63063 001 IND, instruction mode: Independent/Directed Studies; , 1-4 cr

4495 Special Topics: (Various Titles to be Assigned)
(max crs 12; 3 repeats allowed; A-F only; prereq BSME candidate or instructor consent, no grad credit; \$71.75 course fee in addition to tuition)
63089 001 LEC, instruction mode: Classroom; Pope, Daniel, 1-4 cr

5305 Computational Fluid Dynamics
(A-F; prereq 4112 (concurrent registration allowed) or ChE 3112, BSChE, or BSME or BSIE candidate or instructor consent; \$71.75 course fee in addition to tuition)
65223 001 LEC, 11:00am-11:50am MWF, Engr 118, 11:00am-11:50am F, Engr 204, instruction mode: Classroom; Pope, Daniel, 3 cr

5325 Sustainable Energy System
(Credit will not be granted if credit has been received for: EE 5501; A-F; prereq 3211, BSChE or BSECE or BSIE or BSME candidate, or instructor consent)
67306 001 LEC, 03:00pm-03:50pm MWF, VKH 221, instruction mode: Classroom; Hoxie, Alison Behrens, 3 cr

5345 Smart Materials and Structures
(A-F only; prereq 3140, 3222; \$71.75 course fee in addition to tuition)
63948 001 LEC, 03:00pm-03:50pm MWF, Engr 118, instruction mode: Classroom; Zhao, Ping, 3 cr

5991 Independent Study in Mechanical Engineering
(max crs 6; 6 repeats allowed; prereq MSEM candidate, department consent)
63635 001 IND, instruction mode: Independent/Directed Studies, 1-4 cr

Lorentz E, 1 cr

8441 Transport Processes
(prereq 5601, instructor consent)
63369 001 LEC, instruction mode: Classroom; Wittmers Jr, Lorentz E, 2 cr

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
62607 001 IND, instruction mode: Classroom; 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))
62614 001 IND, instruction mode: Classroom, 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))
62631 001 IND, instruction mode: Classroom; 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)
62641 001 IND, instruction mode: Classroom; 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, instructor consent)
63730 001 LEC, instruction mode: Classroom; Clarke, Benjamin L, 3 cr

5555 Molecular Pathogenesis: Current Concepts
(A-F only; prereq Biol 2201 or equivalent, Biol 4501 or equivalent or instructor consent)
62872 001 LEC, 12/23/14-08/28/15, instruction mode: Classroom; Clarke, Benjamin L, 3 cr

8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
61848 001 IND, instruction mode: Independent/Directed Studies; Clarke, Benjamin L, 1 cr

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
62605 001 IND, instruction mode: Independent/Directed Studies; Clarke, Benjamin L, 1 cr

8554 Advanced Immunology and Immunobiology
(A-F only; prereq 5545 or instructor consent)
63236 001 DIS, instruction mode: Classroom; Clarke, Benjamin L, 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))
62629 001 IND, instruction mode: Independent/Directed Studies; Clarke, Benjamin L, 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)
62639 001 IND, instruction mode: Independent/Directed Studies; Clarke, Benjamin L, 1-24 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)
62400 001 LEC, 01:00pm-01:50pm MTThF, Cina 202, instruction mode: Classroom; Nordgren, Kendra Kolar Scudder; Trachte, George J, 4 cr

5211 Literature Seminar
(max crs 2; S-N only)
63034 001 LEC, instruction mode: Classroom; Wittmers Jr, Lorentz E, 1-2 cr

8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
62669 001 IND, instruction mode: Classroom; Wittmers Jr,

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)
62374 001 LEC, instruction mode: Classroom; Westra, Ruth E, 0 cr

602 Basic Science II
(P-N only; prereq Regis Med Student)
62375 001 LEC, instruction mode: Classroom; Westra, Ruth E, 0 cr

691 Independent Study
(P-N only; prereq Regis Med Student)

- 62373 001 IND, instruction mode: Independent/Directed Studies; Westra, Ruth E, 0 cr
- 693 Directed Study**
(NGA; prereq Regis Med Student)
- 62377 001 IND, instruction mode: Independent/Directed Studies, 0 cr
- 694 Research**
(P-N only; prereq Regis Med Student)
- 62376 001 IND, instruction mode: Independent/Directed Studies, 0 cr
- 3998 Human Biology and Behavior Topics**
(max crs 12; 12 repeats allowed; prereq instructor consent)
- 62372 001 LEC, instruction mode: Classroom; Lillian Repesh, 1-10 cr
- 6023 Seminars in Indian Health**
(max crs 3; P-N only; prereq 2nd year med student)
- 62378 001 LEC, instruction mode: Classroom; Second year med students only; Wittmers Jr, Lorentz E, 1-2 cr
- 6531 Rural Medical Scholars Program II (RMSP II)**
(P-N; prereq Medical Student)
- 64210 001 IND, instruction mode: Independent/Directed Studies; Christensen MD, Raymond G; Guisfredi, Paula Kusz, 4 cr
- 6573 Neurological Medicine**
(P-N; prereq Registered med student or instructor consent)
- 62668 001 LEC, instruction mode: Classroom; Fitzakerley, Janet Lyn, 11 cr
- 6724 Gastrointestinal Medicine**
(P-N; prereq Registered med student)
- 62759 001 LEC, instruction mode: Classroom; Skildum, Andrew John; Prunuske, Amy J, 6 cr
- 6762 Hormonal and Reproductive Medicine**
(P-N; prereq Registered med student)
- 62382 001 LEC, instruction mode: Classroom; Krafts MD, Kristine Pauline; Pearson MD, Jen, 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**
(10 repeats allowed; S-N; prereq Concurrent registration in applied instruction)
- 62313 001 LAB, 12:00pm-12:50pm Th, WMH 101, instruction mode: Classroom; Campbell, Jefferson T, 0 cr
- 62910 002 LAB, instruction mode: Classroom; Campbell, Jefferson T, 0 cr
- 200 Basic Piano Proficiency**
(S-N; prereq 1421, 1422, 2422)
- 64041 001 IND, instruction mode: Independent/Directed Studies; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 0 cr
- 64198 002 IND, instruction mode: Independent/Directed Studies; Advanced piano for Vocal Music Ed and Piano Performance students.; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 0 cr
- 250 Advanced Piano Proficiency**
(S-N; prereq 200)
- 65118 001 IND, instruction mode: Independent/Directed Studies; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 0 cr
- 300 Advanced Standing Exam**
(S-N; prereq three semesters of 1xxx level applied study, department consent)
- 64045 001 IND, instruction mode: Independent/Directed Studies; (Voice); Barnard, William Michael, 0 cr
- 64046 002 IND, instruction mode: Independent/Directed Studies; (Piano); Bombardier, Bradley Andrew, 0 cr
- 64047 003 IND, instruction mode: Independent/Directed Studies; (Strings); Campbell, Jefferson T, 0 cr
- 64048 004 IND, instruction mode: Independent/Directed Studies; (Woodwinds); Chernyshev, Alexander, 0 cr
- 64049 005 IND, instruction mode: Independent/Directed Studies; (Brass); Eaton, Daniel W, 0 cr
- 64050 006 IND, instruction mode: Independent/Directed Studies; (Guitar); Frane, Ryan J, 0 cr
- 64077 007 IND, instruction mode: Independent/Directed Studies; (Percussion); Husby, Betsy Margare, 0 cr
- 67371 008 IND, instruction mode: Independent/Directed Studies; Inselman, Rachel Laura, 0 cr
- 67372 009 IND, instruction mode: Independent/Directed Studies; Koshinski, Eugene J, 0 cr
- 67373 010 IND, instruction mode: Independent/Directed Studies; MOKOLE, Elias, 0 cr
- 67374 011 IND, instruction mode: Independent/Directed Studies; Perrault, Rudy, 0 cr

- 67375 012 IND, instruction mode: Independent/Directed Studies; Pfothenauer, Thomas R, 0 cr
- 67376 013 IND, instruction mode: Independent/Directed Studies; Pospisil, James A, 0 cr
- 67377 014 IND, instruction mode: Independent/Directed Studies; Rubin, Justin Henry, 0 cr
- 67378 015 IND, instruction mode: Independent/Directed Studies; Gudmundson, Paula Marie, 0 cr
- 67379 016 IND, instruction mode: Independent/Directed Studies; Schoen, Theodore A, 0 cr
- 67380 017 IND, instruction mode: Independent/Directed Studies; Booker, Adam, 0 cr
- 67381 018 IND, instruction mode: Independent/Directed Studies; Thielen-Gaffey, Tina, 0 cr
- 67382 019 IND, instruction mode: Independent/Directed Studies; Van Brunt, Laurie, 0 cr
- 67383 020 IND, instruction mode: Independent/Directed Studies; Whitlock, Mark Eugene, 0 cr
- 67384 021 IND, instruction mode: Independent/Directed Studies; Wold, Stanley R, 0 cr
- 67385 022 IND, instruction mode: Independent/Directed Studies; Buckstead, Brian, 0 cr
- 67386 023 IND, instruction mode: Independent/Directed Studies; Lipke-Perry, Tracy Donna, 0 cr
- 67387 024 IND, instruction mode: Independent/Directed Studies; Pierce, Alice O., 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)
- 62991 001 LEC, 10:00am-10:50am MWF, BohH 90, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Bombardier, Bradley Andrew, 3 cr
- 63813 002 LEC, 02:00pm-02:50pm MWF, H 150, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Rubin, Justin Henry, 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)
- 62311 001 LEC, 11:00am-11:50am MWF, MonH 70, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Barnard, William Michael, 3 cr
- 62312 002 LEC, 12:00pm-12:50pm MWF, MonH 70, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Barnard, William Michael, 3 cr
- 1121 Tonal Harmony II**
(A-F; prereq 1111)
- 63500 001 LEC, 08:00am-08:50am MWF, H 150, instruction mode: Classroom; Gudmundson, Paula Marie, 3 cr
- 63946 002 LEC, 09:00am-09:50am MWF, H 150, instruction mode: Classroom; Gudmundson, Paula Marie, 3 cr
- 1122 Ear-Training II**
(A-F; prereq 1112)
- 63520 001 LAB, 08:00am-08:50am TTh, WMH 206, instruction mode: Classroom; Husby, Betsy Margare, 1 cr
- 63521 002 LAB, 10:00am-10:50am MW, WMH 206, instruction mode: Classroom; Husby, Betsy Margare, 1 cr
- 1311 Voice-Major**
(max crs 18; 9 repeats allowed; A-F; prereq Music major, department consent, performance majors register for 3 cr. in major instrument only, all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
- 62253 001 LAB, 01:00pm-01:50pm Th, BohH 90, instruction mode: Classroom; (+ 1 hour arranged lesson); Inselman, Rachel Laura; Wold, Stanley R; Pierce, Alice O.; Thielen-Gaffey, Tina; MOKOLE, Elias, 2-3 cr
- 62513 002 LAB, 01:00pm-01:50pm Th, . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Inselman, Rachel Laura; Wold, Stanley R; Pierce, Alice O.; Thielen-Gaffey, Tina; MOKOLE, Elias, 2-3 cr
- 1312 Voice-Non Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; may be repeated; \$315.00 course fee in addition to tuition)
- 62254 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 Humanities); Inselman, Rachel Laura; Wold, Stanley R; MOKOLE, Elias; Pierce, John Charles; McConico, Marcus A; Campbell, Jennifer Lee; Pierce, Alice O.; Thielen-Gaffey, Tina, 1 cr
- 62523 002 LAB, instruction mode: Classroom; arranged; Kust, Andrew David; Ufema, Kate, 1 cr

- 1321 Piano-Major**
(max crs 18; 9 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
- 62269 001 LAB, 01:00pm-01:50pm Th, . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Rubin, Justin Henry; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 2-3 cr
- 62514 002 LAB, 01:00pm-01:50pm Th, . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Rubin, Justin Henry; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 2-3 cr
- 1322 Piano-Non Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; may be repeated; \$315.00 course fee in addition to tuition)
- 62258 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 Humanities); Chernyshev, Alexander; Rubin, Justin Henry; Chen-Edmund, Jian-Jun; Muehlenbeck PhD, Bettina S.; Lipke-Perry, Tracy Donna, 1 cr
- 1325 Jazz Piano-Major**
(max crs 18; 9 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
- 62273 001 LAB, 01:00pm-01:50pm Th, . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Frane, Ryan J, 2-3 cr
- 62515 002 LAB, 01:00pm-01:50pm Th, . TBA, instruction mode: Classroom; (+ 1 hr arranged lesson); Frane, Ryan J, 2-3 cr
- 1326 Jazz Piano-Non Major**
(max crs 12; 12 repeats allowed; A-F; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
- 62275 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 Humanities); Frane, Ryan J, 1 cr
- 1327 Jazz Applied**
(max crs 20; 10 repeats allowed; A-F only; prereq 2803, instructor consent; \$199.00 \$57.00 per credit course fee in addition to tuition)
- 63915 001 LAB, instruction mode: Classroom; (+ 1 hr arranged lesson); Barnard, William Michael, 2 cr
- 64445 002 LAB, instruction mode: Classroom; Frane, Ryan J, 2 cr
- 64446 003 LAB, instruction mode: Classroom; Koshinski, Eugene J, 2 cr
- 64447 004 LAB, instruction mode: Classroom; Pfothenauer, Thomas R, 2 cr
- 65120 005 LAB, instruction mode: Classroom; Booker, Adam, 2 cr
- 1331 Organ-Major**
(max crs 18; 9 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
- 62276 001 LAB, 01:00pm-01:50pm Th, . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Rubin, Justin Henry, 2-3 cr
- 62516 002 LAB, 01:00pm-01:50pm Th, . TBA, instruction mode: Classroom; (+ 1 hr arranged lesson); Rubin, Justin Henry, 2-3 cr
- 1332 Organ-Non Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; may be repeated; \$315.00 course fee in addition to tuition)
- 62278 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 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 secondary instrument; \$315.00 course fee in addition to tuition)
- 64114 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); Buckstead, Brian; 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
- 62280 001 LAB, 01:00pm-01:50pm Th, H 243, instruction mode: Classroom; (+ 1 hour arranged lesson); Buckstead, Brian; Perrault, Rudy, 2-3 cr
- 62517 002 LAB, 01:00pm-01:50pm Th, . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Buckstead, Brian; Perrault, Rudy, 2-3 cr

- 1352 Viola - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62282 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H212); Buckstead, Brian; 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 register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64125 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Buckstead, Brian; Perrault, Rudy, 2-3 cr
64126 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Buckstead, Brian; Perrault, Rudy, 2-3 cr
- 1354 Cello - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64115 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64127 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Husby, Betsy Margare, 2-3 cr
64128 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Husby, Betsy Margare, 2-3 cr
- 1356 Harp - Non-Majors**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64116 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62284 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Lemire, Janell Marie, 2-3 cr
62518 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Lemire, Janell Marie, 2-3 cr
- 1358 Bass - Non-Majors**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62286 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 Humanities); Booker, Adam, 1 cr
65121 002 LAB, instruction mode: Classroom; Electric Bass (student must arrange 1/2 hr weekly lesson in 212 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64129 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Booker, Adam, 2-3 cr
64130 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Booker, Adam, 2-3 cr
- 1360 Clarinet - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64117 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62288 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Schoen, Theodore A, 2-3 cr
- 62519 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Schoen, Theodore A, 2-3 cr
- 1362 Saxophone - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62290 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H212); 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 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64131 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Bombardier, Bradley Andrew; Schoen, Theodore A, 2-3 cr
64132 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Bombardier, Bradley Andrew; Schoen, Theodore A, 2-3 cr
- 1364 Flute - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64118 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64133 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Gudmundson, Paula Marie, 2-3 cr
64134 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Gudmundson, Paula Marie, 2-3 cr
- 1366 Oboe - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64119 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64135 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Van Brunt, Laurie, 2-3 cr
64136 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Van Brunt, Laurie, 2-3 cr
- 1368 Bassoon - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64120 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64137 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Campbell, Jefferson T, 2-3 cr
64138 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Campbell, Jefferson T, 2-3 cr
- 1370 Trumpet - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64121 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); Pfothauer, 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62292 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Pfothauer, Thomas R, 2-3 cr
- mode: Classroom; (+ 1 hour arranged lesson); Pfothauer, Thomas R, 2-3 cr
62520 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Pfothauer, Thomas R, 2-3 cr
- 1372 Trombone - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62328 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H212); Bromme, Derek Michael, 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64139 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Bromme, Derek Michael, 2-3 cr
64140 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Bromme, Derek Michael, 2-3 cr
- 1374 French Horn - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64122 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64141 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Pospisil, James A, 2-3 cr
64142 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Pospisil, James A, 2-3 cr
- 1376 Tuba - Non-major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64123 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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 others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64143 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Eaton, Daniel W, 2-3 cr
64144 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Eaton, Daniel W, 2-3 cr
- 1378 Euphonium - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64124 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64145 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Eaton, Daniel W, 2-3 cr
64146 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Eaton, Daniel W, 2-3 cr
- 1381 Percussion-Major**
(max crs 12; 6 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62294 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Koshinski, Eugene J, 2-3 cr
62521 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Koshinski, Eugene J, 2-3 cr
- 1382 Percussion - Non-Major**

- (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
- 62297 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 Humanities); Broscius, Timothy L; Koshinski, Eugene J, 1 cr
- 1391 Classical Guitar-Major**
(max crs 12; 6 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
- 62299 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Jonker, Jacob Peter, 2-3 cr
- 62522 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Jonker, Jacob Peter, 2-3 cr
- 1392 Classical Guitar - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
- 62301 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 Humanities); Jonker, Jacob Peter, 1 cr
- 1395 Jazz Guitar-Major**
(max crs 12; 6 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
- 62303 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Barnard, William Michael, 2-3 cr
- 62523 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Barnard, William Michael, 2-3 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; \$315.00 course fee in addition to tuition)
- 62305 001 LAB, instruction mode: Classroom; BEGINNERS WELCOME
(students will be informed by email during the first week of the semester of instructor assignment and lesson time sign-up sheet location.); 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 secondary instrument; \$315.00 course fee in addition to tuition)
- 62307 001 LAB, instruction mode: Classroom; BEGINNERS WELCOME
(students will be informed by email during the first week of the semester of instructor assignment and lesson time sign-up sheet location.); Barnard, William Michael; O'Hara, Thomas; Cooper, James M, 1 cr
- 1413 Diction: French**
(A-F only; prereq 1411 or instructor consent)
- 67483 001 LEC, 11:00am-11:50am TTh, H 222, instruction mode: Classroom; Inselman, Rachel Laura, 1 cr
- 1422 Piano Class II**
(A-F only; prereq Music major or instructor consent)
- 63246 001 LAB, 09:00am-09:50am MW, H 160, instruction mode: Classroom; Chernyshev, Alexander, 1 cr
- 63247 002 LAB, 09:00am-09:50am TTh, H 160, instruction mode: Classroom; Chernyshev, Alexander, 1 cr
- 1440 Survey of Instrumental Techniques**
(A-F only; prereq Music major or instructor consent)
- 62871 001 LAB, 11:00am-11:50am MW, H 222, instruction mode: Classroom; Buckstead, Brian; Bombardier, Bradley Andrew; Pospisil, James A; Gudmundson, Paula Marie, 1 cr
- 1441 Vocal Techniques**
(prereq Music major or instructor consent)
- 62206 001 LEC, 10:00am-10:50am TTh, H 222, instruction mode: Classroom; 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)
- 62155 001 LAB, 02:00pm-03:20pm TTh, ChPk B13, instruction mode: Classroom; Meets with: 62167 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)
- 62156 001 LAB, 03:05pm-04:35pm MWF, ChPk B13, instruction mode: Classroom; Meets with: 62170 MU 4502, 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)
- 62157 001 LAB, 07:00pm-09:30pm TTh, ChPk B13, instruction mode: Classroom; Meets with: 62171 MU 4503; Perrault, Rudy, 1 cr
- 1504 Chamber Orchestra**
(max crs 12; 12 repeats allowed; prereq instructor consent; meets DLE req of Fine Arts; meets LE req of LE CAT10)
- 62679 001 LAB, 05:00pm-06:30pm MW, ChPk B13, instruction mode: Classroom; Meets with: 62680 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)
- 62204 001 LAB, 01:20pm-02:30pm MWF, ChPk B13, instruction mode: Classroom; Additional 90 minute arranged sectional time is required with time to be arranged by Instructor.; Meets with: 62215 MU 4505; Frane, Ryan J, 1 cr
- 62205 002 LAB, 12:15pm-01:15pm MWF, ChPk B13, instruction mode: Classroom; Meets with: 62216 MU 4505; Booker, Adam, 1 cr
- 1510 Concert Choral**
(max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets DLE req of Fine Arts; meets LE req of LE CAT10)
- 62207 001 LAB, 04:00pm-05:30pm MW, MonH 70, instruction mode: Classroom; Meets with: 62217 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)
- 62208 001 LAB, 03:20pm-04:30pm MTWTh, ChPk 209, instruction mode: Classroom; Meets with: 62209 MU 4511; Wold, Stanley R, 1 cr
- 1512 Chamber Singers**
(max crs 12; 12 repeats allowed; prereq concurrent registration in 1511 or 4511; instructor determines placement; meets DLE req of Fine Arts; meets LE req of LE CAT10)
- 62210 001 LAB, 02:00pm-03:15pm MW, ChPk 209, instruction mode: Classroom; Meets with: 62218 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)
- 62211 001 LAB, 05:00pm-06:00pm TTh, ChPk 213, 05:45pm-06:45pm W, H 464, instruction mode: Classroom; (Lake Effect); Meets with: 62219 MU 4513; Thielen-Gaffey, Tina, 1 cr
- 62702 002 LAB, 06:00pm-07:00pm TTh, ChPk 213, instruction mode: Classroom; (Chill Factor); Meets with: 62703 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)
- 65149 001 LAB, 03:30pm-05:00pm TTh, ChPk B13, instruction mode: Classroom; Meets with: 65153 MU 4515; Koshinski, Eugene J, 1 cr
- 1541 Chamber Music**
(max crs 12; 12 repeats allowed; A-F only; prereq Instructor determines placement)
- 62223 001 LAB, instruction mode: Classroom; (Hand Drum Ensemble); Meets with: 62233 MU 4541; Koshinski, Eugene J, 1 cr
- 62224 002 LAB, 05:00pm-05:50pm MW, WMH 206, instruction mode: Classroom; (Combo I); Meets with: 62234 MU 4541; Frane, Ryan J, 1 cr
- 62225 003 LAB, 06:00pm-06:50pm TTh, WMH 206, instruction mode: Classroom; (Combo II); Meets with: 62235 MU 4541; Booker, Adam, 1 cr
- 62226 004 LAB, 06:00pm-06:50pm TTh, H 171A, instruction mode: Classroom; (Combo III); Meets with: 62236 MU 4541; Pfothenhauer, Thomas R, 1 cr
- 62227 005 LAB, 06:00pm-06:50pm MW, WMH 206, instruction mode: Classroom; (Combo IV); Meets with: 62237 MU 4541; Barnard, William Michael, 1 cr
- 62228 006 LAB, 07:00pm-09:00pm W, ChPk B13, instruction mode: Classroom; (Pep Band); Meets with: 62238 MU 4541; Eaton, Daniel W, 1 cr
- 62229 007 LAB, 04:00pm-04:50pm MW, WMH 206, instruction mode: Classroom; (Guitar Ensemble I); Meets with: 62239 MU 4541; Barnard, William Michael, 1 cr
- 62230 008 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Strings); Meets with: 62240 MU 4541; Husby, Betsy Margare; Perrault, Rudy; Buckstead, Brian, 1 cr
- 62231 009 LAB, 07:00pm-07:50pm MW, WMH 206, instruction mode: Classroom; (Brass Quintet); Meets with: 62241 MU 4541; Pfothenhauer, Thomas R, 1 cr
- 62232 010 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Woodwinds); Meets with: 62242 MU 4541; Gudmundson, Paula Marie; Campbell, Jefferson T; Schoen, Theodore A, 1 cr
- 62524 011 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Piano Trio); Meets with: 62535 MU 4541; Husby, Betsy Margare; Chernyshev, Alexander, 1 cr
- 62821 013 LAB, 03:00pm-03:50pm MW, WMH 206, instruction mode: Classroom; (1-2 hr arr time with instructor) (Guitar Ensemble II); Meets with: 62822 MU 4541; Barnard, William Michael, 1 cr
- 63115 014 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Classical Guitar Ensemble); Meets with: 63116 MU 4541; Jonker, Jacob Peter, 1 cr
- 63614 015 LAB, instruction mode: Classroom; Meets with: 63613 MU 4541; Pfothenhauer, Thomas R, 1 cr
- 63704 016 LAB, instruction mode: Classroom; (Sax Quartet); Meets with: 63705 MU 4541; Bombardier, Bradley Andrew, 1 cr
- 63937 017 LAB, instruction mode: Classroom; Meets with: 63938 MU 4541; Whitlock, Mark Eugene, 1 cr
- 64838 018 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Combo V); Booker, Adam, 1 cr
- 64253 019 LAB, instruction mode: Classroom; (Cabaret); Meets with: 64254 MU 4541; Thielen-Gaffey, Tina, 1 cr
- 64839 020 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Piano Ensemble); Lipke-Perry, Tracy Donna, 1 cr
- 64840 021 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Clarinet Ensemble); Schoen, Theodore A, 1 cr
- 64841 022 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Flute Ensemble); Gudmundson, Paula Marie, 1 cr
- 65155 023 LAB, instruction mode: Classroom; (Octet); 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)
- 62341 001 LEC, 12:00pm-12:50pm MWF, H 150, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/14); Thielen-Gaffey, Tina, 3 cr
- 62591 002 LEC, 01:00pm-01:50pm MWF, H 150, instruction mode: Classroom; Broscius, Timothy L, 3 cr
- 2003 Survey of American Music**
(meets DLE req of Fine Arts; meets LE req of LE CAT9)
- 63304 001 LEC, 10:00am-10:50am MWF, H 222, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/14); Pfothenhauer, Thomas R, 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)
- 65156 001 LEC, 10:00am-10:50am MWF, ChPk B13, instruction mode: Classroom; Meets with: 65163 MU 5005; Broscius, Timothy L, 3 cr
- 2105 Composition I**
(max crs 4; A-F only; prereq 1121 or 1122)
- 62243 001 LEC, 12:00pm-01:40pm F, H 222, instruction mode: Classroom; Meets with: 62244 MU 3105, 62245 MU 4105; Rubin, Justin Henry, 2 cr
- 2110 Jazz Theory**
(A-F only; prereq 1111, 1421 or instructor consent)
- 63916 001 LEC, 10:00am-10:50am MW, H 160, instruction mode: Classroom; Frane, Ryan J, 2 cr
- 2121 Tonal Harmony IV**
(A-F; prereq 2111)
- 63522 001 LEC, 09:00am-09:50am MWF, WMH 206, instruction mode: Classroom; Rubin, Justin Henry, 3 cr
- 2122 Ear-Training, Sight Singing and Improvisation**
(A-F; prereq 2112)
- 63523 001 LAB, 09:00am-09:50am TTh, H 150, instruction mode: Classroom; Husby, Betsy Margare, 1 cr
- 2422 Piano Proficiency Preparation**
(max crs 2; A-F; prereq Music major, department consent)
- 63568 001 LAB, 11:00am-11:50am TTh, H 160, instruction mode: Classroom; Chernyshev, Alexander, 1 cr
- 2445 String Techniques**
(A-F only; prereq Music major or instructor consent)
- 63918 001 LEC, 11:00am-11:50am MW, ChPk B13, instruction mode: Classroom; Buckstead, Brian; Booker, Adam; Husby, Betsy Margare, 1 cr

2447 Brass Techniques

(A-F only; prereq Music major or instructor consent)
 63917 001 LAB, 11:00am-11:50am MW, ChPk 209, instruction mode: Classroom; Eaton, Daniel W; Pfothenhauer, Thomas R; Pospisil, James A, 1 cr

2605 Introduction to Music Education

(A-F only; prereq Music Ed major or instructor consent)
 62761 001 LEC, 09:00am-09:50am F, H 170, instruction mode: Classroom; Edmund, David Charles, 1 cr

2701 Fundamentals of Conducting

(A-F only; prereq 1121, 1122, Music major or instructor consent)
 62212 001 LAB, 10:00am-10:50am TTh, WMH 206, instruction mode: Classroom; Wold, Stanley R, 1 cr
 63939 002 LAB, 11:00am-11:50am MW, WMH 206, instruction mode: Classroom; Wold, Stanley R, 1 cr

2803 Jazz Improvisation II

(A-F only; prereq 2101, 2802 or instructor consent)
 62688 001 LAB, 11:00am-11:50am TTh, WMH 206, instruction mode: Classroom; Booker, Adam, 2 cr

3105 Composition II

(max crs 4; A-F only; prereq 2105)
 62244 001 LEC, 12:00pm-01:40pm F, H 222, instruction mode: Classroom; (+1 hr arr); Meets with: 62243 MU 2105, 62245 MU 4105; Rubin, Justin Henry, 2 cr

3202 Music History II

(A-F only; prereq 3201 or instructor consent)
 62250 001 LEC, 10:00am-10:50am MWF, H 150, instruction mode: Classroom; Muehlenbeck PhD, Bettina S., 3 cr

3300 Junior Recital

(max crs 3; 3 repeats allowed; A-F only; prereq department consent, may be repeated; \$150.00 course fee in addition to tuition)

62213 001 IND, instruction mode: Independent/Directed Studies; Barnard, William Michael, 1 cr
 64078 002 IND, instruction mode: Independent/Directed Studies; Bombardier, Bradley Andrew, 1 cr
 64079 003 IND, instruction mode: Independent/Directed Studies; Campbell, Jefferson T, 1 cr
 64080 004 IND, instruction mode: Independent/Directed Studies; Chernyshev, Alexander, 1 cr
 64081 005 IND, instruction mode: Independent/Directed Studies; Eaton, Daniel W, 1 cr
 64082 006 IND, instruction mode: Independent/Directed Studies; Frane, Ryan J, 1 cr
 64083 007 IND, instruction mode: Independent/Directed Studies; Husby, Betsy Margare, 1 cr
 64084 008 IND, instruction mode: Independent/Directed Studies; Inselman, Rachel Laura, 1 cr
 64085 009 IND, instruction mode: Independent/Directed Studies; Jonker, Jacob Peter, 1 cr
 64086 010 IND, instruction mode: Independent/Directed Studies; Koshinski, Eugene J, 1 cr
 64087 011 IND, instruction mode: Independent/Directed Studies; MOKOLE, Elias, 1 cr
 64088 012 IND, instruction mode: Independent/Directed Studies; Perrault, Rudy, 1 cr
 64089 013 IND, instruction mode: Independent/Directed Studies; Pfothenhauer, Thomas R, 1 cr
 64090 014 IND, instruction mode: Independent/Directed Studies; Pospisil, James A, 1 cr
 64091 015 IND, instruction mode: Independent/Directed Studies; Rubin, Justin Henry, 1 cr
 64092 016 IND, instruction mode: Independent/Directed Studies; Booker, Adam, 1 cr
 64192 017 IND, instruction mode: Independent/Directed Studies; Pierce, Alice O., 1 cr
 64449 018 IND, instruction mode: Independent/Directed Studies; Schoen, Theodore A, 1 cr
 64450 019 IND, instruction mode: Independent/Directed Studies; Gudmundson, Paula Marie, 1 cr
 64451 020 IND, instruction mode: Independent/Directed Studies; Thielen-Gaffey, Tina, 1 cr
 64452 021 IND, instruction mode: Independent/Directed Studies; Van Brunt, Laurie, 1 cr
 64453 022 IND, instruction mode: Independent/Directed Studies; , 1 cr
 64454 023 IND, instruction mode: Independent/Directed Studies; Whitlock, Mark Eugene, 1 cr
 64455 024 IND, instruction mode: Independent/Directed Studies; Wold, Stanley R, 1 cr

3350 Half-Recital

(S-N only; \$75.00 course fee in addition to tuition)
 64052 001 LEC, instruction mode: Classroom; Barnard, William Michael, 0 cr
 64053 002 LEC, instruction mode: Classroom; Bombardier, Bradley Andrew, 0 cr
 64054 003 LEC, instruction mode: Classroom; Campbell, Jefferson T, 0 cr
 64055 004 LEC, instruction mode: Classroom; Chernyshev, Alexander, 0 cr

64056 005 LEC, instruction mode: Classroom; Eaton, Daniel W, 0 cr
 64057 006 LEC, instruction mode: Classroom; Frane, Ryan J, 0 cr
 64058 007 LEC, instruction mode: Classroom; Husby, Betsy Margare, 0 cr
 64059 008 LEC, instruction mode: Classroom; Inselman, Rachel Laura, 0 cr
 64060 009 LEC, instruction mode: Classroom; Jonker, Jacob Peter, 0 cr
 64061 010 LEC, instruction mode: Classroom; Koshinski, Eugene J, 0 cr
 64062 011 LEC, instruction mode: Classroom; MOKOLE, Elias, 0 cr
 64063 012 LEC, instruction mode: Classroom; Perrault, Rudy, 0 cr
 64064 013 LEC, instruction mode: Classroom; Pfothenhauer, Thomas R, 0 cr
 64065 014 LEC, instruction mode: Classroom; Pospisil, James A, 0 cr
 64066 015 LEC, instruction mode: Classroom; Rubin, Justin Henry, 0 cr
 64067 016 LEC, instruction mode: Classroom; Booker, Adam, 0 cr
 64193 017 LEC, instruction mode: Classroom; , 0 cr
 64456 018 LEC, instruction mode: Classroom; Schoen, Theodore A, 0 cr
 64457 019 LEC, instruction mode: Classroom; Gudmundson, Paula Marie, 0 cr
 64458 020 LEC, instruction mode: Classroom; Thielen-Gaffey, Tina, 0 cr
 64459 021 LEC, instruction mode: Classroom; Van Brunt, Laurie, 0 cr
 64460 022 LEC, instruction mode: Classroom; Lipke-Perry, Tracy Donna, 0 cr
 64461 023 LEC, instruction mode: Classroom; Whitlock, Mark Eugene, 0 cr
 64462 024 LEC, instruction mode: Classroom; Wold, Stanley R, 0 cr

3510 Opera Studio

(max crs 10; 10 repeats allowed; A-F only; prereq instructor consent)
 62214 001 LEC, 12:40pm-01:45pm MWF, WMH 206, instruction mode: Classroom; Meets with: 62694 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)
 64112 001 LEC, 10:00am-10:50am MWF, H 170, instruction mode: Classroom; Chen-Edmund, Jian-Jun, 3 cr
 64113 002 LEC, 11:00am-11:50am MWF, H 170, instruction mode: Classroom; Chen-Edmund, Jian-Jun, 3 cr

3607 Instrumental Music Methods

(A-F only; prereq music major or instructor consent)
 62162 001 LEC, 09:00am-09:50am MWF, ChPk 208, instruction mode: Classroom; Eaton, Daniel W, 3 cr

3609 Teaching Elementary Music II

(A-F only; prereq MU 3606, 3608 or instructor consent; credit will not be granted if credit was received for 3605.)
 63919 001 LEC, 09:00am-09:50am TTh, H 170, instruction mode: Classroom; Edmund, David Charles, 2 cr

3628 Art of Accompanying: Instrumental Music

(A-F only; prereq instructor consent)
 67648 001 LEC, 02:00pm-02:50pm MW, WMH 206, instruction mode: Classroom; Lipke-Perry, Tracy Donna, 2 cr

3702 Choral Conducting and Methods II

(A-F only; prereq 3701 or instructor consent)
 62248 001 LEC, 09:00am-09:50am MWF, H 222, instruction mode: Classroom; Wold, Stanley R, 3 cr

3706 Instrumental Conducting II

(A-F only; prereq 3705 or instructor consent)
 62163 001 LAB, 11:00am-11:50am TTh, H 150, instruction mode: Classroom; , 1 cr

3806 Jazz Writing II

(A-F only; prereq Mu 3805 or instructor consent)
 67490 001 LEC, 10:00am-10:50am TTh, H 150, instruction mode: Classroom; Booker, Adam, 2 cr

3991 Independent Study

(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent)
 62197 001 IND, instruction mode: Independent/Directed Studies; Campbell, Jefferson T, 1-3 cr
 64463 002 IND, instruction mode: Independent/Directed Studies; Chernyshev, Alexander, 1-3 cr
 64464 003 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 64465 004 IND, instruction mode: Independent/Directed Studies; Eaton, Daniel W, 1-3 cr
 64466 005 IND, instruction mode: Independent/Directed

Studies; Frane, Ryan J, 1-3 cr
 64467 006 IND, instruction mode: Independent/Directed Studies; Husby, Betsy Margare, 1-3 cr
 64468 007 IND, instruction mode: Independent/Directed Studies; Inselman, Rachel Laura, 1-3 cr
 64469 008 IND, instruction mode: Independent/Directed Studies; Koshinski, Eugene J, 1-3 cr
 64470 009 IND, instruction mode: Independent/Directed Studies; Perrault, Rudy, 1-3 cr
 64471 010 IND, instruction mode: Independent/Directed Studies; Pfothenhauer, Thomas R, 1-3 cr
 64472 011 IND, instruction mode: Independent/Directed Studies; Rubin, Justin Henry, 1-3 cr
 64473 012 IND, instruction mode: Independent/Directed Studies; Schoen, Theodore A, 1-3 cr
 64474 013 IND, instruction mode: Independent/Directed Studies; Gudmundson, Paula Marie, 1-3 cr
 64475 014 IND, instruction mode: Independent/Directed Studies; Thielen-Gaffey, Tina, 1-3 cr
 64476 015 IND, instruction mode: Independent/Directed Studies; Van Brunt, Laurie, 1-3 cr
 64477 016 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
 64478 017 IND, instruction mode: Independent/Directed Studies; Whitlock, Mark Eugene, 1-3 cr
 64479 018 IND, instruction mode: Independent/Directed Studies; Wold, Stanley R, 1-3 cr
 64480 019 IND, instruction mode: Independent/Directed Studies, 1-3 cr

4103 Contrapuntal Techniques

(A-F only; prereq Mu 2121, 2122 or instructor consent)
 62246 001 LEC, 01:00pm-01:50pm MW, H 222, instruction mode: Classroom; Rubin, Justin Henry, 2 cr

4105 Composition III

(max crs 4; A-F only; prereq 3105)
 62245 001 LEC, 12:00pm-01:40pm F, H 222, instruction mode: Classroom; (1 hr arr); Meets with: 62243 MU 2105, 62244 MU 3105; Rubin, Justin Henry, 2 cr

4201 Piano Literature

(A-F only; prereq Music major or instructor consent)
 67491 001 LEC, instruction mode: Classroom; Lipke-Perry, Tracy Donna, 3 cr

4300 Senior Recital

(max crs 2; A-F only; \$150.00 course fee in addition to tuition)
 63920 001 LEC, instruction mode: Classroom; Barnard, William Michael, 1 cr
 63921 002 LEC, instruction mode: Classroom; Bombardier, Bradley Andrew, 1 cr
 63922 003 LEC, instruction mode: Classroom; Campbell, Jefferson T, 1 cr
 63923 004 LEC, instruction mode: Classroom; Chernyshev, Alexander, 1 cr
 63924 005 LEC, instruction mode: Classroom; Eaton, Daniel W, 1 cr
 63925 006 LEC, instruction mode: Classroom; Frane, Ryan J, 1 cr
 63926 007 LEC, instruction mode: Classroom; Husby, Betsy Margare, 1 cr
 63927 008 LEC, instruction mode: Classroom; Inselman, Rachel Laura, 1 cr
 63928 009 LEC, instruction mode: Classroom; Jonker, Jacob Peter, 1 cr
 63929 010 LEC, instruction mode: Classroom; Koshinski, Eugene J, 1 cr
 63930 011 LEC, instruction mode: Classroom; MOKOLE, Elias, 1 cr
 63931 012 LEC, instruction mode: Classroom; Perrault, Rudy, 1 cr
 63932 013 LEC, instruction mode: Classroom; Pfothenhauer, Thomas R, 1 cr
 63933 014 LEC, instruction mode: Classroom; Pospisil, James A, 1 cr
 63934 015 LEC, instruction mode: Classroom; Rubin, Justin Henry, 1 cr
 63935 016 LEC, instruction mode: Classroom; Booker, Adam, 1 cr
 63936 017 LEC, instruction mode: Classroom; Pierce, Alice O., 1 cr
 64194 018 LEC, instruction mode: Classroom; Recital to be arranged with applied instructor.; Schoen, Theodore A, 1 cr
 64481 019 LEC, instruction mode: Classroom; Gudmundson, Paula Marie, 1 cr
 64482 020 LEC, instruction mode: Classroom; Thielen-Gaffey, Tina, 1 cr
 64483 021 LEC, instruction mode: Classroom; Van Brunt, Laurie, 1 cr
 64484 022 LEC, instruction mode: Classroom; , 1 cr
 64485 023 LEC, instruction mode: Classroom; Whitlock, Mark Eugene, 1 cr
 64486 024 LEC, instruction mode: Classroom; Wold, Stanley R, 1 cr

- 4311 Voice-Major**
(max crs 12; 6 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62255 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Inselman, Rachel Laura; Wold, Stanley R; Pierce, Alice O.; MOKOLE, Elias; Thielen-Gaffey, Tina, 2-3 cr
62525 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Inselman, Rachel Laura; Wold, Stanley R; MOKOLE, Elias; Pierce, Alice O.; Thielen-Gaffey, Tina, 2-3 cr
- 4312 Voice - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-Music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62256 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 Humanities); Inselman, Rachel Laura; Wold, Stanley R; Thielen-Gaffey, Tina; Pierce, John Charles; Pierce, Alice O.; Campbell, Jennifer Lee; MOKOLE, Elias, 1 cr
- 4321 Piano-Major**
(max crs 12; 6 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62259 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Rubin, Justin Henry; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 2-3 cr
62526 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Rubin, Justin Henry; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 2-3 cr
- 4322 Piano - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62257 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 Humanities); Rubin, Justin Henry; Lipke-Perry, Tracy Donna; Chernyshev, Alexander, 1 cr
- 4325 Jazz Piano-Major**
(max crs 12; 6 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62274 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Frane, Ryan J, 2-3 cr
64181 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; Frane, Ryan J, 2-3 cr
- 4331 Organ-Major**
(max crs 12; 6 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62277 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Rubin, Justin Henry, 2-3 cr
62527 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Rubin, Justin Henry, 2-3 cr
- 4332 Organ - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62279 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 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 secondary instrument; \$315.00 course fee in addition to tuition)
64147 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); Buckstead, Brian; 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; \$199.00 \$57.00 per credit course fee in addition to tuition)
62281 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Buckstead, Brian; Perrault, Rudy, 2-3 cr
62528 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Buckstead, Brian; Perrault, Rudy, 2-3 cr
- 4352 Viola - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62283 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); Buckstead, Brian; Perrault, Rudy, 1 cr
- 4353 Viola - 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.; MU 300; \$199.00 \$57.00 per credit course fee in addition to tuition)
64158 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Buckstead, Brian; Perrault, Rudy, 2-3 cr
64159 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Buckstead, Brian; Perrault, Rudy, 2-3 cr
- 4354 Cello - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64148 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); Husby, Betsy Margare, 1 cr
- 4355 Cello - 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.; MU 300; \$199.00 \$57.00 per credit course fee in addition to tuition)
64160 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Husby, Betsy Margare, 2-3 cr
64161 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Husby, Betsy Margare, 2-3 cr
- 4356 Harp - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64149 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); Lemire, Janell Marie, 1 cr
- 4357 Harp - Major**
(max crs 12; 6 repeats allowed; prereq Music major, MU 300; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62285 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Lemire, Janell Marie, 2-3 cr
62529 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Lemire, Janell Marie, 2-3 cr
- 4358 Bass - Non-major**
(max crs 12; 12 repeats allowed; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62287 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64162 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Booker, Adam, 2-3 cr
64163 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Booker, Adam, 2-3 cr
- 4360 Clarinet - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64150 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); Schoen, Theodore A, 1 cr
- 4361 Clarinet - 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62289 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Schoen, Theodore A, 2-3 cr
62530 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Schoen, Theodore A, 2-3 cr
- 4362 Saxophone - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62291 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64164 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Bombardier, Bradley Andrew; Schoen, Theodore A, 2-3 cr
64165 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Bombardier, Bradley Andrew; Schoen, Theodore A, 2-3 cr
- 4364 Flute - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64151 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64166 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Gudmundson, Paula Marie, 2-3 cr
64167 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Gudmundson, Paula Marie, 2-3 cr
- 4366 Oboe - Non-major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64152 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64168 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Van Brunt, Laurie, 2-3 cr
64169 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Van Brunt, Laurie, 2-3 cr
- 4368 Bassoon - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64153 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64170 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Campbell, Jefferson T, 2-3 cr
64171 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Campbell, Jefferson T, 2-3 cr
- 4370 Trumpet - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64154 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); Pfothner, 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62293 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Pfothner, Thomas R, 2-3 cr
62531 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Pfothner,

University of Minnesota – Class Schedule for Duluth Campus

Spring 2015

- hauer, Thomas R, 2-3 cr
- 4372 **Trombone - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62329 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); Bromme, Derek Michael, 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64172 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Bromme, Derek Michael, 2-3 cr
64173 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Bromme, Derek Michael, 2-3 cr
- 4374 **French Horn - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64155 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64174 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Pospisil, James A, 2-3 cr
64175 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Pospisil, James A, 2-3 cr
- 4376 **Tuba - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64156 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64176 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Eaton, Daniel W, 2-3 cr
64177 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Eaton, Daniel W, 2-3 cr
- 4378 **Euphonium - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
64157 001 LAB, instruction mode: Classroom; (1/2 hr weekly lesson must be arranged with instructor in H 212); 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.; \$199.00 \$57.00 per credit course fee in addition to tuition)
64178 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Eaton, Daniel W, 2-3 cr
64179 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (1 hr arranged lesson); Eaton, Daniel W, 2-3 cr
- 4381 **Percussion-Major**
(max crs 12; 6 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62295 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Koshinski, Eugene J, 2-3 cr
62532 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Koshinski, Eugene J, 2-3 cr
- 4382 **Percussion - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62296 001 LAB, instruction mode: Classroom; (student to
- arrange 1/2 hr weekly lesson in 212 Humanities); Broschious, Timothy L; Koshinski, Eugene J, 1 cr
- 4391 **Classical Guitar-Major**
(max crs 12; 6 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62300 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Jonker, Jacob Peter, 2-3 cr
62533 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Jonker, Jacob Peter, 2-3 cr
- 4392 **Classical Guitar-Non Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62302 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 Humanities); Jonker, Jacob Peter, 1 cr
- 4395 **Jazz Guitar-Major**
(max crs 12; 6 repeats allowed; A-F; prereq Music major; performance majors register for 3 cr., all others register for 2 cr.; \$199.00 \$57.00 per credit course fee in addition to tuition)
62304 001 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Barnard, William Michael, 2-3 cr
62534 002 LAB, 01:00pm-01:50pm Th. . TBA, instruction mode: Classroom; (+ 1 hour arranged lesson); Barnard, William Michael, 2-3 cr
- 4396 **Jazz Guitar - Non-Major**
(max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; \$315.00 course fee in addition to tuition)
62306 001 LAB, instruction mode: Classroom; (student must arrange 1/2 hr weekly lesson in 212 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)
62167 001 LAB, 02:00pm-03:20pm TTh, ChPk B13, instruction mode: Classroom; Meets with: 62155 MU 1501; Eaton, Daniel W, 1 cr
- 4502 **Symphonic Wind Ensemble**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)
62170 001 LAB, 03:05pm-04:35pm MWF, ChPk B13, instruction mode: Classroom; Meets with: 62156 MU 1502, 1 cr
- 4503 **Symphony Orchestra**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)
62171 001 LAB, 07:00pm-09:30pm TTh, ChPk B13, instruction mode: Classroom; Meets with: 62157 MU 1503; Perrault, Rudy, 1 cr
- 4504 **Chamber Orchestra**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)
62680 001 LAB, 05:00pm-06:30pm MW, ChPk B13, instruction mode: Classroom; Meets with: 62679 MU 1504; Perrault, Rudy, 1 cr
- 4505 **Jazz Ensemble**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)
62215 001 LAB, 01:20pm-02:30pm MWF, ChPk B13, instruction mode: Classroom; Meets with: 62204 MU 1505; Frane, Ryan J, 1 cr
62216 002 LAB, 12:15pm-01:15pm MWF, ChPk B13, instruction mode: Classroom; Meets with: 62205 MU 1505; Booker, Adam, 1 cr
- 4510 **Concert Chorale**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)
62217 001 LAB, 04:00pm-05:30pm MW, MonH 70, instruction mode: Classroom; Meets with: 62207 MU 1510; Thielen-Gaffey, Tina, 1 cr
- 4511 **University Singers**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)
62209 001 LAB, 03:20pm-04:30pm MTWTh, ChPk 209, instruction mode: Classroom; Meets with: 62208 MU 1511; Wold, Stanley R, 1 cr
- 4512 **Chamber Singers**
(max crs 6; 6 repeats allowed; A-F only; prereq concurrent registration in 1511 or 4511; instructor determines placement)
- 62218 001 LAB, 02:00pm-03:15pm MW, ChPk 209, instruction mode: Classroom; Meets with: 62210 MU 1512; Wold, Stanley R, 1 cr
- 4513 **Vocal Jazz Ensemble**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)
62219 001 LAB, 05:00pm-06:00pm TTh, ChPk 213, 05:45pm-06:45pm W, H 464, instruction mode: Classroom; (Lake Effect); Meets with: 62211 MU 1513; Thielen-Gaffey, Tina, 1 cr
62703 002 LAB, 06:00pm-07:00pm TTh, ChPk 213, instruction mode: Classroom; (Chill Factor); Meets with: 62702 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)
65153 001 LAB, 03:30pm-05:00pm TTh, ChPk B13, instruction mode: Classroom; (Percussion Ensemble); Meets with: 65149 MU 1515; Koshinski, Eugene J, 1 cr
- 4541 **Chamber Music**
(max crs 12; 12 repeats allowed; A-F only; prereq instructor consent)
62233 001 LAB, instruction mode: Classroom; (Hand Drum Ensemble); Meets with: 62223 MU 1541; Koshinski, Eugene J, 1 cr
62234 002 LAB, 05:00pm-05:50pm MW, WMH 206, instruction mode: Classroom; (Combo I); Meets with: 62224 MU 1541; Frane, Ryan J, 1 cr
62235 003 LAB, 06:00pm-06:50pm TTh, WMH 206, instruction mode: Classroom; (Combo II); Meets with: 62225 MU 1541; Booker, Adam, 1 cr
62236 004 LAB, 06:00pm-06:50pm TTh, H 171A, instruction mode: Classroom; (Combo III); Meets with: 62226 MU 1541; Pfothenhauer, Thomas R, 1 cr
62237 005 LAB, 06:00pm-06:50pm MW, WMH 206, instruction mode: Classroom; (Combo IV); Meets with: 62227 MU 1541; Barnard, William Michael, 1 cr
62238 006 LAB, 07:00pm-09:00pm W, ChPk B13, instruction mode: Classroom; (Pep Band); Meets with: 62228 MU 1541; Eaton, Daniel W, 1 cr
62239 007 LAB, 04:00pm-04:50pm MW, WMH 206, instruction mode: Classroom; (Guitar Ensemble I); Meets with: 62229 MU 1541; Barnard, William Michael, 1 cr
62240 008 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor), (Strings); Meets with: 62230 MU 1541; Husby, Betsy Margare; Perrault, Rudy; Buckstead, Brian, 1 cr
62241 009 LAB, 07:00pm-07:50pm MW, WMH 206, instruction mode: Classroom; (1-2 hr arr time with instructor in H 245) (Brass Quintet); Meets with: 62231 MU 1541; Pfothenhauer, Thomas R, 1 cr
62242 010 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Woodwinds); Meets with: 62232 MU 1541; Gudmundson, Paula Marie; Campbell, Jefferson T; Schoen, Theodore A, 1 cr
62535 011 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Piano Trio); Meets with: 62524 MU 1541; Husby, Betsy Margare; Chernyshev, Alexander, 1 cr
62822 013 LAB, 03:00pm-03:50pm MW, WMH 206, instruction mode: Classroom; (Guitar Ensemble II); Meets with: 62821 MU 1541; Barnard, William Michael, 1 cr
63116 014 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Classical Guitar Ensemble); Meets with: 63115 MU 1541; Jonker, Jacob Peter, 1 cr
63613 015 LAB, instruction mode: Classroom; Meets with: 63614 MU 1541; Pfothenhauer, Thomas R, 1 cr
63705 016 LAB, instruction mode: Classroom; Meets with: 63704 MU 1541; Bombardier, Bradley Andrew, 1 cr
63938 017 LAB, instruction mode: Classroom; Meets with: 63937 MU 1541; Whitlock, Mark Eugene, 1 cr
64715 018 LAB, 09:00am-09:50am WF, ChPk B13, instruction mode: Classroom; (Graduate Percussion Ensemble); Broschious, Timothy L; Koshinski, Eugene J, 1 cr
64254 019 LAB, instruction mode: Classroom; (Cabaret); Meets with: 64253 MU 1541; Thielen-Gaffey, Tina, 1 cr
64726 020 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Piano Ensemble); Lipke-Perry, Tracy Donna, 1 cr
64852 021 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Clarinet Ensemble); Schoen, Theodore A, 1 cr
64853 022 LAB, instruction mode: Classroom; (1-2 hr arr time with instructor) (Flute Ensemble); Gudmundson, Paula Marie, 1 cr
65423 023 LAB, instruction mode: Classroom; Schoen, Theodore A, 1 cr
- 4601 **Applied Music Teaching**
(max crs 2; A-F only; prereq instructor consent)
62252 001 LAB, instruction mode: Classroom; Barnard, William Michael, 1 cr
64195 002 LAB, instruction mode: Classroom; Bombardier,

- Bradley Andrew, 1 cr
 64488 003 LAB, instruction mode: Classroom; Campbell, Jefferson T, 1 cr
 64489 004 LAB, instruction mode: Classroom; Chernyshev, Alexander, 1 cr
 64490 005 LAB, instruction mode: Classroom; Eaton, Daniel W, 1 cr
 64491 006 LAB, instruction mode: Classroom; Frane, Ryan J, 1 cr
 64492 007 LAB, instruction mode: Classroom; Husby, Betsy Margare, 1 cr
 64493 008 LAB, instruction mode: Classroom; Inselman, Rachel Laura, 1 cr
 64494 009 LAB, instruction mode: Classroom; Jonker, Jacob Peter, 1 cr
 64495 010 LAB, instruction mode: Classroom; Koshinski, Eugene J, 1 cr
 64496 011 LAB, instruction mode: Classroom; MOKOLE, Elias, 1 cr
 64497 012 LAB, instruction mode: Classroom; Perrault, Rudy, 1 cr
 64498 013 LAB, instruction mode: Classroom; Pfothenhauer, Thomas R, 1 cr
 64499 014 LAB, instruction mode: Classroom; Pospisil, James A, 1 cr
 64500 015 LAB, instruction mode: Classroom; Rubin, Justin Henry, 1 cr
 64501 016 LAB, instruction mode: Classroom; Booker, Adam, 1 cr
 64502 017 LAB, instruction mode: Classroom; Pierce, Alice O., 1 cr
 64503 018 LAB, instruction mode: Classroom; Schoen, Theodore A, 1 cr
 64504 019 LAB, instruction mode: Classroom; Gudmundson, Paula Marie, 1 cr
 64505 020 LAB, instruction mode: Classroom; Thielen-Gaffey, Tina, 1 cr
 64506 021 LAB, instruction mode: Classroom; Van Brunt, Laurie, 1 cr
 64507 022 LAB, instruction mode: Classroom; , 1 cr
 64508 023 LAB, instruction mode: Classroom; Whitlock, Mark Eugene, 1 cr
 64509 024 LAB, instruction mode: Classroom; Wold, Stanley R, 1 cr
- 4997 Internship in Music**
 (max crs 4; 4 repeats allowed; A-F only; prereq department consent)
 62315 001 IND, instruction mode: Independent/Directed Studies; Campbell, Jefferson T, 1-2 cr
 64511 002 IND, instruction mode: Independent/Directed Studies; Chernyshev, Alexander, 1-2 cr
 64512 003 IND, instruction mode: Independent/Directed Studies; Eaton, Daniel W, 1-2 cr
 64513 004 IND, instruction mode: Independent/Directed Studies; Frane, Ryan J, 1-2 cr
 64514 005 IND, instruction mode: Independent/Directed Studies; Husby, Betsy Margare, 1-2 cr
 64515 006 IND, instruction mode: Independent/Directed Studies; Inselman, Rachel Laura, 1-2 cr
 64516 007 IND, instruction mode: Independent/Directed Studies; Koshinski, Eugene J, 1-2 cr
 64517 008 IND, instruction mode: Independent/Directed Studies; Perrault, Rudy, 1-2 cr
 64518 009 IND, instruction mode: Independent/Directed Studies; Pfothenhauer, Thomas R, 1-2 cr
 64519 010 IND, instruction mode: Independent/Directed Studies; Rubin, Justin Henry, 1-2 cr
 64520 011 IND, instruction mode: Independent/Directed Studies; Schoen, Theodore A, 1-2 cr
 64521 012 IND, instruction mode: Independent/Directed Studies; Gudmundson, Paula Marie, 1-2 cr
 64522 013 IND, instruction mode: Independent/Directed Studies; Thielen-Gaffey, Tina, 1-2 cr
 64523 014 IND, instruction mode: Independent/Directed Studies; Van Brunt, Laurie, 1-2 cr
 64524 015 IND, instruction mode: Independent/Directed Studies; , 1-2 cr
 64525 016 IND, instruction mode: Independent/Directed Studies; Whitlock, Mark Eugene, 1-2 cr
 64526 017 IND, instruction mode: Independent/Directed Studies; Wold, Stanley R, 1-2 cr
- 5201 Advanced Music History**
 (A-F only; prereq 3201, 3202 or instructor consent)
 63812 001 LEC, 11:00am-12:40pm T, ChPk 208, instruction mode: Classroom; Muehlenbeck PhD, Bettina S., 2 cr
- 5203 Advanced Choral Literature**
 (A-F only; prereq 3702 or instructor consent)
 62823 001 LEC, instruction mode: Classroom; Wold, Stanley R, 2 cr
- 5204 Instrumental Ensemble Literature**
 (A-F only; prereq Grad Student or instructor consent)
 62755 001 LEC, instruction mode: Classroom; Perrault, Rudy, 2 cr
- 5205 Instrumental Solo Literature**
 (max crs 3; 3 repeats allowed; A-F only; prereq Grad student or instructor consent)
 62824 001 LEC, instruction mode: Classroom; Pfothenhauer, Thomas R; Perrault, Rudy, 1 cr
- 5206 Vocal Solo Literature**
 (max crs 2; A-F only; prereq Grad student or instructor consent)
 62825 001 LEC, 09:00am-09:50am W, T, BA, instruction mode: Classroom; Inselman, Rachel Laura, 1 cr
- 5207 Instrumental Chamber Music Literature**
 (A-F only; prereq Grad student or instructor consent)
 62693 001 LEC, instruction mode: Classroom; (1 hr arr); , 1 cr
- 5510 Opera Studio**
 (max crs 6; 6 repeats allowed; A-F only; prereq 3510 or equivalent, Grad student or instructor consent)
 62694 001 LAB, 12:40pm-01:45pm MWF, WMH 206, instruction mode: Classroom; Meets with: 62214 MU 3510; Pierce, Alice O., 1 cr
- 5991 Independent Study**
 (max crs 9; 9 repeats allowed; A-F only; prereq Min 60 cr or Grad Student or instructor consent; can apply max 6 cr to a Grad program)
 62314 001 IND, instruction mode: Independent/Directed Studies; Campbell, Jefferson T, 1-3 cr
 64527 002 IND, instruction mode: Independent/Directed Studies; Chernyshev, Alexander, 1-3 cr
 64528 003 IND, instruction mode: Independent/Directed Studies; Eaton, Daniel W, 1-3 cr
 64529 004 IND, instruction mode: Independent/Directed Studies; Frane, Ryan J, 1-3 cr
 64530 005 IND, instruction mode: Independent/Directed Studies; Husby, Betsy Margare, 1-3 cr
 64531 006 IND, instruction mode: Independent/Directed Studies; Inselman, Rachel Laura, 1-3 cr
 64532 007 IND, instruction mode: Independent/Directed Studies; Koshinski, Eugene J, 1-3 cr
 64533 008 IND, instruction mode: Independent/Directed Studies; Perrault, Rudy, 1-3 cr
 64534 009 IND, instruction mode: Independent/Directed Studies; Pfothenhauer, Thomas R, 1-3 cr
 64535 010 IND, instruction mode: Independent/Directed Studies; Rubin, Justin Henry, 1-3 cr
 64536 011 IND, instruction mode: Independent/Directed Studies; Thielen-Gaffey, Tina, 1-3 cr
 64537 012 IND, instruction mode: Independent/Directed Studies; Schoen, Theodore A, 1-3 cr
 64538 013 IND, instruction mode: Independent/Directed Studies; Gudmundson, Paula Marie, 1-3 cr
 64539 014 IND, instruction mode: Independent/Directed Studies; Thielen-Gaffey, Tina, 1-3 cr
 64540 015 IND, instruction mode: Independent/Directed Studies; Van Brunt, Laurie, 1-3 cr
 64541 016 IND, instruction mode: Independent/Directed Studies; Pierce, Alice O., 1-3 cr
 64542 017 IND, instruction mode: Independent/Directed Studies; Whitlock, Mark Eugene, 1-3 cr
 64543 018 IND, instruction mode: Independent/Directed Studies; Wold, Stanley R, 1-3 cr
- 8300 Graduate Recital**
 (max crs 2; A-F only; prereq Grad student, instructor consent; \$200.00 course fee in addition to tuition)
 62370 001 FWK, instruction mode: Independent/Directed Studies; Campbell, Jefferson T, 1 cr
 64544 002 FWK, instruction mode: Independent/Directed Studies; Chernyshev, Alexander, 1 cr
 64545 003 FWK, instruction mode: Independent/Directed Studies; Eaton, Daniel W, 1 cr
 64546 004 FWK, instruction mode: Independent/Directed Studies; Frane, Ryan J, 1 cr
 64547 005 FWK, instruction mode: Independent/Directed Studies; Husby, Betsy Margare, 1 cr
 64548 006 FWK, instruction mode: Independent/Directed Studies; Inselman, Rachel Laura, 1 cr
 64549 007 FWK, instruction mode: Independent/Directed Studies; , 1 cr
 64550 008 FWK, instruction mode: Independent/Directed Studies; Koshinski, Eugene J, 1 cr
 64551 009 FWK, instruction mode: Independent/Directed Studies; Perrault, Rudy, 1 cr
 64552 010 FWK, instruction mode: Independent/Directed Studies; Pfothenhauer, Thomas R, 1 cr
 64553 011 FWK, instruction mode: Independent/Directed Studies; Rubin, Justin Henry, 1 cr
 64554 012 FWK, instruction mode: Independent/Directed Studies; Schoen, Theodore A, 1 cr
 64555 013 FWK, instruction mode: Independent/Directed Studies; Pierce, Alice O., 1 cr
 64556 014 FWK, instruction mode: Independent/Directed Studies; Thielen-Gaffey, Tina, 1 cr
 64557 015 FWK, instruction mode: Independent/Directed Studies; MOKOLE, Elias, 1 cr
 64558 016 FWK, instruction mode: Independent/Directed Studies; Whitlock, Mark Eugene, 1 cr
 64559 017 FWK, instruction mode: Independent/Directed Studies; 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, instructor consent; \$199.00 \$57.00 per credit course fee in addition to tuition)
 63090 001 LAB, instruction mode: Classroom; (Lesson must be arranged with instructor the first week of classes); Campbell, Jefferson T, 2 cr
 64560 002 LAB, instruction mode: Classroom; Chernyshev, Alexander, 2 cr
 64561 003 LAB, instruction mode: Classroom; Eaton, Daniel W, 2 cr
 64562 004 LAB, instruction mode: Classroom; Frane, Ryan J, 2 cr
 64563 005 LAB, instruction mode: Classroom; Husby, Betsy Margare, 2 cr
 64564 006 LAB, instruction mode: Classroom; Inselman, Rachel Laura, 2 cr
 64565 007 LAB, instruction mode: Classroom; Koshinski, Eugene J, 2 cr
 64566 008 LAB, instruction mode: Classroom; Perrault, Rudy, 2 cr
 64567 009 LAB, instruction mode: Classroom; Pfothenhauer, Thomas R, 2 cr
 64568 010 LAB, instruction mode: Classroom; Rubin, Justin Henry, 2 cr
 64569 011 LAB, instruction mode: Classroom; Schoen, Theodore A, 2 cr
 64570 012 LAB, instruction mode: Classroom; MOKOLE, Elias, 2 cr
 64571 013 LAB, instruction mode: Classroom; Thielen-Gaffey, Tina, 2 cr
 64572 014 LAB, instruction mode: Classroom; Pierce, Alice O., 2 cr
 64573 015 LAB, instruction mode: Classroom; Whitlock, Mark Eugene, 2 cr
 64574 016 LAB, instruction mode: Classroom; Wold, Stanley R, 2 cr
- 8302 Graduate Applied Music: Secondary Instrument**
 (A-F only; prereq Intermediate proficiency, grad student, instructor consent; may be repeated; \$315.00 course fee in addition to tuition)
 63091 001 LAB, instruction mode: Classroom; (Lessons must be arranged with instructor the first week of classes); Campbell, Jefferson T, 1 cr
 64575 002 LAB, instruction mode: Classroom; Chernyshev, Alexander, 1 cr
 64576 003 LAB, instruction mode: Classroom; Eaton, Daniel W, 1 cr
 64577 004 LAB, instruction mode: Classroom; Frane, Ryan J, 1 cr
 64578 005 LAB, instruction mode: Classroom; Husby, Betsy Margare, 1 cr
 64579 006 LAB, instruction mode: Classroom; Inselman, Rachel Laura, 1 cr
 64580 007 LAB, instruction mode: Classroom; Koshinski, Eugene J, 1 cr
 64581 008 LAB, instruction mode: Classroom; Perrault, Rudy, 1 cr
 64582 009 LAB, instruction mode: Classroom; Pfothenhauer, Thomas R, 1 cr
 64583 010 LAB, instruction mode: Classroom; Rubin, Justin Henry, 1 cr
 64584 011 LAB, instruction mode: Classroom; Schoen, Theodore A, 1 cr
 64585 012 LAB, instruction mode: Classroom; , 1 cr
 64586 013 LAB, instruction mode: Classroom; Thielen-Gaffey, Tina, 1 cr
 64587 014 LAB, instruction mode: Classroom; Lipke-Perry, Tracy Donna, 1 cr
 64588 015 LAB, instruction mode: Classroom; Whitlock, Mark Eugene, 1 cr
 64589 016 LAB, instruction mode: Classroom; Wold, Stanley R, 1 cr
- 8600 Methods of Research in Music Education**
 (max crs 9; 3 repeats allowed; A-F only; prereq Grad student or instructor consent)
 65329 001 LEC, 03:30pm-06:00pm Th, H 170, instruction mode: Classroom; Chen-Edmund, Jian-Jun, 3 cr
- 8701 Graduate Applied Conducting**
 (max crs 12; 12 repeats allowed; A-F only; prereq 3702, 3706 or equivalent; Graduate Student or instructor consent; \$199.00 \$57.00 per credit course fee in addition to tuition)
 62696 001 LAB, instruction mode: Classroom; (1-2 hrs arr); Perrault, Rudy, 1-2 cr
- 8899 Directed Project in Music Education**
 (max crs 12; A-F only; prereq Grad, instructor consent)

- 62665 001 IND, instruction mode: Independent/Directed Studies; Edmund, David Charles, 1-12 cr
- 8991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq Grad student, instructor consent)
- 62309 001 IND, instruction mode: Independent/Directed Studies; Campbell, Jefferson T, 1-2 cr
- 64590 002 IND, instruction mode: Independent/Directed Studies; Chernyshev, Alexander, 1-2 cr
- 64591 003 IND, instruction mode: Independent/Directed Studies; Eaton, Daniel W, 1-2 cr
- 64592 004 IND, instruction mode: Independent/Directed Studies; Frane, Ryan J, 1-2 cr
- 64593 005 IND, instruction mode: Independent/Directed Studies; Husby, Betsy Margare, 1-2 cr
- 64594 006 IND, instruction mode: Independent/Directed Studies; Inselman, Rachel Laura, 1-2 cr
- 64595 007 IND, instruction mode: Independent/Directed Studies; . 1-2 cr
- 64596 008 IND, instruction mode: Independent/Directed Studies; Koshinski, Eugene J, 1-2 cr
- 64597 009 IND, instruction mode: Independent/Directed Studies; Perrault, Rudy, 1-2 cr
- 64598 010 IND, instruction mode: Independent/Directed Studies; Pfothenhauer, Thomas R, 1-2 cr
- 64599 011 IND, instruction mode: Independent/Directed Studies; Rubin, Justin Henry, 1-2 cr
- 64600 012 IND, instruction mode: Independent/Directed Studies; Schoen, Theodore A, 1-2 cr
- 64601 013 IND, instruction mode: Independent/Directed Studies; Thielen-Gaffey, Tina, 1-2 cr
- 64602 014 IND, instruction mode: Independent/Directed Studies; Pierce, Alice O., 1-2 cr
- 64603 015 IND, instruction mode: Independent/Directed Studies; Whitlock, Mark Eugene, 1-2 cr
- 64604 016 IND, instruction mode: Independent/Directed Studies; 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

- 3102 Historical and Contemporary Issues in American Indian Education**
(A-F; prereq 3100, 3101, 3104, Comp 3140 (concurrent registration allowed), admission to Ojibwe elem/middle school program)
- 67958 421 LEC, instruction mode: Primarily Online; Registration for Naadamaadiwin Cohort only; course will meet two weekends during the semester, 9:00-4:30, Saturday and Sunday, at an off-campus location. Dates TBA. Additional course hours will be required in an online learning environment.; Gould, Roxanne J, 3 cr
- 5310 American Indians and Special Education**
(Credit will not be granted if credit has been received for: OJED 4310; A-F only; prereq Naadamaadwin Tribal Special Education cohort (special education licensure))
- 67959 421 LEC, instruction mode: Primarily Online; Registration for Naadamaadiwin Cohort only; course will meet two weekends during the semester, 9:00-4:30, Saturday and Sunday, at an off-campus location. Dates TBA. Additional course hours will be required in an online learning environment., 4 cr

PHARMACOLOGY (Phcl)

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, instructor consent)
- 62347 001 IND, instruction mode: Independent/Directed Studies; Trachte, George J, 1-10 cr
- 5001 Introduction to Pharmacology**
(A-F; prereq 5601 or 3011 or equivalent)
- 63656 001 LEC, instruction mode: Classroom; Trachte, George J, 2 cr
- 5204 Pharmacology Seminar**
(max crs 4; 4 repeats allowed; A-F only; prereq Grad student, instructor consent)
- 62348 001 LEC, instruction mode: Classroom; Trachte, George J, 1 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
- 61849 001 IND, instruction mode: Independent/Directed

- Studies; Trachte, George J, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
- 62606 001 IND, instruction mode: Independent/Directed Studies; 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))
- 62613 001 IND, instruction mode: Independent/Directed Studies; 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))
- 62630 001 IND, instruction mode: Independent/Directed Studies; 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)
- 62640 001 IND, instruction mode: Independent/Directed Studies; 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**
64207 001 IND, instruction mode: Correspondence; Cortese PharmD, Angela Marie, 2 cr
- 1002 Medical Terminology**
64650 001 IND, instruction mode: Correspondence; Lichtblau PhD, Leonard, 2 cr
- 1003 Non-Prescription Medications and Self-Care: Treating Minor Conditions**
64208 001 IND, instruction mode: Correspondence; Milone PharmD, Anna S, 2 cr
- 1004 Common Prescription Drugs and Diseases**
64209 001 IND, instruction mode: Correspondence; Cortese PharmD, Angela Marie, 2 cr
- 1006 Orientation to Health Literacy and Communication (A-F)**
64663 001 IND, instruction mode: Correspondence; Lowry, Ann E., 2 cr
- 3206 Issues in Health Literacy and Communication**
(Credit will not be granted if credit has been received for: PHAR 5206; A-F; The Twin Cities online Phar 3206 and 5206 are equivalent to the online Duluth Phar 3206 and 5206 and credit will not be granted if credit has been received for more than one instance of the courses.; meets DLE req of Social Sciences)
- 64957 001 IND, instruction mode: Correspondence; Lowry, Ann E., 3 cr
- 3207 Leadership in Health Care**
(Credit will not be granted if credit has been received for: PHAR 5207; A-F; The Twin Cities online Phar 3207 and 5207 are equivalent to the online Duluth Phar 3207 and 5207 and credit will not be granted if credit has been received for more than one instance of the courses.)
- 65413 001 IND, instruction mode: Correspondence; Fierke, Kerry K, 3 cr
- 3601 Basic Human Physiology for the Health Professions**
(A-F; prereq Medical terminology and anatomy)
- 64958 001 IND, instruction mode: Correspondence; 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)
- 64248 001 IND, instruction mode: Correspondence; Cortese PharmD, Angela Marie, 3 cr
- 4200 Drugs and the U.S. Health Care System**
(Credit will not be granted if credit has been received for: PHAR 4200W, PHAR 5200, PHAR 5200; A-F)
- 64249 001 IND, instruction mode: Correspondence; Milone PharmD, Anna S, 3 cr
- 4293 Directed Research I for Undergraduates**
(max crs 5; prereq undergrad, instructor consent)
- 64204 001 IND, instruction mode: Independent/Directed Studies, 1-5 cr

- 4294 Directed Study I for Undergraduates**
(max crs 10; prereq undergrad, instructor consent)
- 64205 001 IND, instruction mode: Independent/Directed Studies, 1-5 cr
- 5102 Pharmacology for Pharmacy Students**
(A-F; prereq 5101 or instructor consent, credit will not be granted if already received for Phcl 5102)
- 63071 001 LEC, 10:10am-11:00am WF, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Romero, Daniel Patrick; Anderson, Grant Wesley, 2 cr
- 5200 Drugs and the US Health Care System**
(Credit will not be granted if credit has been received for: PHAR 4200W, PHAR 5200, PHAR 4200; A-F; prereq grad or professional student)
- 64235 001 IND, instruction mode: Correspondence; Milone PharmD, Anna S, 3 cr
- 5201 Applied Health Science Terminology**
(prereq Basic knowledge of human anatomy/physiology.)
- 64959 001 IND, instruction mode: Correspondence; Lichtblau PhD, Leonard, 2 cr
- 5206 Applied Health Literacy and Communication**
(Credit will not be granted if credit has been received for: PHAR 3206; A-F; The Twin Cities online Phar 3206 and 5206 are equivalent to the online Duluth Phar 3206 and 5206 and credit will not be granted if credit has been received for more than one instance of the courses.)
- 64665 001 IND, instruction mode: Correspondence; Lowry, Ann E., 3 cr
- 5207 Applied Leadership in Health Care**
(Credit will not be granted if credit has been received for: PHAR 3207; A-F; prereq advanced undergraduates, professional health care students or graduate student; The Twin Cities online Phar 3207 and 5207 are equivalent to the online Duluth Phar 3207 and 5207 and credit will not be granted if credit has been received for more than one instance of the courses.)
- 65414 001 IND, instruction mode: Correspondence; Fierke, Kerry K, 3 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 instructor consent)
- 63386 001 IND, instruction mode: Correspondence; Cortese PharmD, Angela Marie, 3 cr
- 6122 Pharmacotherapy II: Patient-Centered Pathophysiologic Approach**
(A-F; prereq 6121, concurrent 5101, 5102, 6131, 6154, 6163, 6173)
- 63073 001 LEC, 08:00am-09:55am MW, Room TBA, DULUTH, 01/20/15-05/08/15, 09:05am-09:55am F, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Westberg, Sarah M.; Undeberg PharmD, Megan R, 5 cr
- 6124 Pharmacotherapy IV: Patient-Centered Pathophysiologic Approach**
(A-F; prereq 6121, 6122, 6123, 6155, 6163)
- 63118 001 LEC, 10:10am-12:05pm TTh, Room TBA, DULUTH, 01/20/15-05/08/15, 10:10am-11:00am F, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Swanoski PharmD, Michael T; Kirstein, Mark Noel, 5 cr
- 6131 Pharmacy and the Health Care System**
(A-F; prereq Second year pharmacy student)
- 63249 001 LEC, 10:10am-12:05pm MTh, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Schondelmeyer, Stephen W; Tomaszewski, Daniel Mark, 3 cr
- 6133 Pharmacy Practice Management**
(A-F; prereq Third year pharmacy student)
- 63250 001 LEC, 09:05am-09:55am MWF, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Hadsall, Ronald S; Schommer, Jon C; Ranelli PhD, Paul L, 3 cr
- 6135 Pharmacy Outcomes**
(A-F; prereq 6123, 6175)
- 63168 001 LEC, 01:25pm-03:20pm Th, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Schneiderhan PharmD, Mark E, 2 cr
- 6136 Pharmacy Law**
(A-F; prereq Pharmacy student 3rd year)
- 63942 001 LEC, 08:00am-09:55am Th, Room TBA, DULUTH, 03/23/15-05/08/15, instruction mode: Classroom; Ranelli PhD, Paul L; Bilek, Jennell Christine, 1 cr
- 6137 Ethics in Pharmacy Practice**
(A-F; prereq Pharmacy student 3rd yr)
- 63943 001 LEC, 08:00am-09:55am Th, Room TBA, DULUTH, 01/20/15-03/09/15, instruction mode: Classroom; Song, John Young; Ranelli PhD, Paul L, 1 cr

University of Minnesota – Class Schedule for Duluth Campus

Spring 2015

- 6150 CoP Honors: Medicinal Chemistry Seminar**
(max crs 2; A-F; prereq instructor consent; meets HON req of Honors)
63582 001 LEC, 03:30pm-05:00pm T, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Haskell-Luevano, Carrie, 1 cr
- 6155 Medicinal Agents II**
(A-F; prereq 6154, concurrent registration in 5102 and 6174)
63072 001 LEC, 11:15am-12:05pm WF, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Anderson, Grant Wesley; Abul-Hajj, Yusuf J, 2 cr
- 6157 Human Nutrition and Drug Therapy**
(A-F; prereq 6152)
63119 001 LEC, 08:00am-08:50am MWF, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Shier, W. Thomas Thomas; Ranelli PhD, Paul L; Barber, Jacqueline Renee, 3 cr
- 6160 CoP Honors: Experimental and Clinical Pharmacology Seminar**
(A-F; prereq instructor consent; meets HON req of Honors)
63583 001 LEC, 12:15pm-01:05pm W, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Lamba, Jatinder K, 1 cr
- 6174 Pharmaceutical Care Skills IV**
(A-F; prereq 6122)
001 LEC, 09:05am-09:55am Th, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Rupnow, Nichole Marie; George, Angela
63067 002 LAB, 08:00am-09:55am T, LSci 216, 01/20/15-05/08/15, instruction mode: Classroom; George, Angela, 2 cr
63068 003 LAB, 01:25pm-03:20pm T, LSci 216, 01/20/15-05/08/15, instruction mode: Classroom; George, Angela, 2 cr
- 6182 Pharm.D. IV Seminar**
(S-N; prereq 4th yr pharmacy student, 6181)
63251 001 LEC, 08:30am-05:30pm TW, Room TBA, DULUTH, 01/13/15-01/14/15, instruction mode: Classroom; Abul-Hajj, Yusuf J; Anderson, Grant Wesley, 1 cr
- 6200 Drugs and the U.S. Health Care System**
(A-F; prereq Pharmacy student)
63389 001 IND, 01/20/15-05/08/15, instruction mode: Correspondence; Milone PharmD, Anna S, 2 cr
- 6204 College of Pharmacy Community Outreach**
(max crs 3; A-F only; prereq Current student pharmacist in College of Pharmacy.)
64252 001 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies; Little, Meg, 1-3 cr
65426 002 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies; This section reserved for auditing students.; Little, Meg, 1-3 cr
- 6206 Directed Study: Introduction to Pharmacy Research**
(A-F; prereq PharmD Student)
67560 001 LEC, 09:05am-09:55am T, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; St Hill, Catherine A., 1 cr; S-N
- 6211 Non-Prescription Drug Therapy: Focus on Patient Self-Care**
(A-F only; prereq 6112)
65357 001 LEC, 03:35pm-05:30pm W, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Maderich, Amanda L; Larson, Tom Alan, 2 cr
- 6215 Applied Pharmacokinetics**
(A-F only; prereq 6163)
63069 001 LEC, 03:35pm-05:30pm Th, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Tomaszewski, Daniel Mark; Brundage, Richard, 2 cr; A-F
- 6217 Advanced Pharmaceutical Care Clinic**
(max crs 2; prereq 2nd or 3rd yr pharmacy student)
63612 001 LEC, 01:25pm-03:20pm W, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Meets with: 63222 PHAR 6230; Bastianelli, Karen Marie, 1-2 cr
- 6219 Building a Pharmaceutical Practice**
(A-F; prereq 2nd or 3rd year Pharmacy student)
65439 001 LEC, 01:25pm-03:20pm W, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Brummel PharmD, Amanda R; Huot, Krista Lee, 2 cr
- 6220 Pediatric Drug Therapy**
(A-F only; prereq 3rd or 4th yr pharmacy student)
63219 001 LEC, 08:00am-09:55am T, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Jensen PharmD, Paul Duane, 2 cr
- 6221 Geriatric Pharmacotherapy**
(A-F only; prereq 3rd or 4th yr pharmacy student)
63220 001 LEC, 01:25pm-03:20pm F, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Scheiner PharmD, Shellina R; Swanoski PharmD, Michael T, 2 cr
- 6222 Advanced Pharmaceutical Compounding**
(A-F; prereq 2nd or 3rd yr pharmacy student)
65368 001 LEC, 06:00pm-09:00pm Th, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Meinerding, Tonya Marie, 2 cr
- 6223 Pharmacokinetics Research Seminar**
(A-F; prereq 6163 with a grade of "B" or better.)
65409 001 LEC, 01/20/15-05/08/15, instruction mode: Classroom; Elmquist, William Frederick; Zimmerman, Cheryl L, 1 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.)
64714 002 LEC, 01/20/15-05/08/15, instruction mode: Correspondence; Oetting, William Starr; Lamba, Jatinder K, 2 cr
- 6226 Interprofessional Diabetes Experience**
(A-F; prereq 2nd year or later pharmacy student)
65416 001 LEC, 01:25pm-03:20pm M, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Schweiss, Sarah Kathryn, 2 cr
- 6227 Leading Adaptive Change**
(S-N; prereq PHAR 6237 and PHAR 6238
Students must have submitted a declaration to complete the Leadership Emphasis Area prior to taking this course.)
63607 001 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies; Janke PhD, Kristin Kari; Fierke, Kerry K; Sorensen, Todd D., 2 cr
- 6228 Leading Change Portfolio**
(S-N; prereq 6237 or 6238)
63608 001 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies; Fierke, Kerry K, 2 cr
- 6230 Ambulatory PC Clinic**
(prereq Enrolled pharmacy student)
63222 001 LEC, 01:25pm-03:20pm W, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Meets with: 63612 PHAR 6217; Bastianelli, Karen Marie, 2 cr
- 6231 Community Pharmacy Management**
(A-F; prereq 2nd or 3rd yr Pharmacy student)
63223 001 LEC, 03:35pm-05:30pm M, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Hadsall, Ronald S; Schommer, Jon C, 2 cr
- 6232 Health System Pharmacy Management**
(A-F; prereq 2nd or 3rd year pharmacy student)
63087 001 LEC, 01:25pm-03:20pm T, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Pastor III, John D; Jolowsky, Christene M, 2 cr
- 6235 Pharmaceutical Industry: Business and Policy**
(Credit will not be granted if credit has been received for: PHAR 6235; A-F only)
65410 001 LEC, 05:45pm-09:05pm W, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Connor, Robert Alan, 2 cr
- 6248 Drugs of Abuse**
(S-N; prereq Organic chemistry I/II or [organic chemistry I, biochemistry])
64967 001 LEC, 05:45pm-07:45pm W, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Ferguson, David M, 2 cr
- 6249 Addiction Medicine, Substance Abuse, and Chemical Dependency**
(A-F only)
68687 001 LEC, 03:35pm-05:30pm Th, Room TBA, DULUTH, instruction mode: Classroom; Berkner PharmD, Dan, 2 cr
- 6250 CoP Honors: Social and Administrative Pharmacy Seminar**
(max crs 2; A-F; prereq instructor consent; meets HON req of Honors)
63098 001 LEC, 03:30pm-05:00pm Th, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Schommer, Jon C, 1 cr
- 6257 Leadership Best Sellers for Pharmacists**
(A-F)
64960 001 DIS, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies; Janke PhD, Kristin Kari, 2 cr
- 6260 CoP Honors: Pharmacetics Seminar**
(A-F only; prereq instructor consent; meets HON req of Honors)
63584 001 LEC, 04:00pm-05:15pm Th, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Kandimalla, Karunya K, 1 cr
- 6293 Directed Research I**
(max crs 10; prereq instructor consent)
63117 001 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies, 1-5 cr
- 6294 Directed Study I**
(max crs 5; 5 repeats allowed; prereq Instructor consent)
65312 001 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies, 1-5 cr
- 6301 Veterinary Pharmacotherapy**
(A-F; prereq 3rd year pharmacy or veterinary student)
64897 001 LEC, 01/20/15-05/08/15, instruction mode: Primarily Online; Philbrick, Ann, 2 cr
- 6393 Directed Research II**
(max crs 10; prereq instructor consent)
63121 001 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies, 1-5 cr
- 6394 Directed Study II**
(max crs 5; 5 repeats allowed; A-F only; prereq instructor consent)
63122 001 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies, 1-5 cr
- 6493 Directed Research III**
(max crs 5; 5 repeats allowed; prereq instructor consent)
63169 001 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies, 1-5 cr
- 6494 Directed Study III**
(max crs 10; A-F only; prereq Instructor consent)
65399 001 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies, 1-5 cr
- 6715 Professional Development and Assessment Sequence I**
(S-N; prereq Successful completion of Becoming a Pharmacist)
65425 001 DIS, 08:00am-05:00pm MTW, Room TBA, DULUTH, 01/12/15-01/14/15, 08:00am-05:00pm MF, Room TBA, DULUTH, 03/27/15-03/30/15, 01:25pm-05:30pm T, Room TBA, DULUTH, 05/05/15-05/05/15, instruction mode: Classroom; Jennings PhD, Derek R; Scott PharmD, Doneka R, 1 cr
- 6716 Applied Pharmaceutical Care**
(A-F; prereq Successful completion of Becoming a Pharmacist)
65400 001 DIS, 10:10am-12:05pm MW, Room TBA, DULUTH, 01/15/15-03/26/15, 11:15am-12:05pm F, Room TBA, DULUTH, 01/15/15-03/26/15, 10:10am-12:05pm MW, Room TBA, DULUTH, 03/31/15-05/08/15, 11:15am-12:05pm F, Room TBA, DULUTH, 03/31/15-05/08/15, instruction mode: Classroom; Stratton, Tim; Larson, Tom Alan, 3.20 cr
- 6718 Drug Delivery II**
(A-F; prereq Successful completion of Drug Delivery I)
65401 001 LEC, 01:25pm-02:15pm MWF, Room TBA, DULUTH, 01/15/15-03/26/15, 01:25pm-02:15pm MWF, Room TBA, DULUTH, 03/31/15-05/08/15, instruction mode: Classroom; Suryanarayanan, Raj; Heikal, Ahmed A; Panyam PhD, Jayanth, 2.40 cr
- 6720 Pharmaceutical Care Skills Lab II**
(A-F; prereq Successful completion of Pharmaceutical Care Skills Lab I)
001 LEC, 10:10am-12:05pm T, Room TBA, DULUTH, 01/15/15-05/08/15, 10:10am-12:05pm T, Room TBA, DULUTH, instruction mode: Classroom; Bastianelli, Karen Marie; Chen, Jennifer
65406 002 LAB, 01:25pm-03:20pm Th, Room TBA, DULUTH, 01/15/15-05/08/15, instruction mode: Classroom; Bastianelli, Karen Marie, 2 cr
65407 003 LAB, 03:35pm-05:30pm Th, Room TBA, DULUTH, 01/15/15-05/08/15, instruction mode: Classroom; Bastianelli, Karen Marie, 2 cr
- 6722 Principles of Medicinal Chemistry**
(A-F; prereq Successful completion of Integrated Bio-chemical Sciences)
65403 001 LEC, 03:35pm-04:25pm MWF, Room TBA, DULUTH, 01/15/15-03/26/15, 03:35pm-04:25pm MWF, Room TBA, DULUTH, 03/31/15-05/08/15, instruction mode: Classroom; Mereddy, Venkatram R; Tretyakova, Natalia Yurievna, 2.10 cr
- 6724 Introduction to the Immune System and Infectious Disease**
(A-F; prereq Successful completion of Integrated Bio-chemical Sciences)
65402 001 LEC, 02:30pm-03:20pm MWF, Room TBA, DULUTH, 01/15/15-03/26/15, 02:30pm-03:20pm MWF, Room TBA, DULUTH, 03/31/15-05/08/15, instruction mode: Classroom; Anderson, Grant Wesley; Wagner, Carston R, 3.10 cr

6726 Principles of Pharmacology
(A-F; prereq Successful completion of Foundations of SAPH)
65404 001 LEC, 04:40pm-05:30pm MWF, Room TBA, DULUTH, 01/15/15-03/26/15, 04:40pm-05:30pm MWF, Room TBA, DULUTH, 03/31/15-05/08/15, instruction mode: Classroom; El-Fakahany, Esam E; Rumbley, Jon N, 2.30 cr

6728 Pharmaceutical Calculations
(A-F; prereq Successful Completion of Drug Delivery I)
65408 001 LEC, 10:10am-11:00am F, Room TBA, DULUTH, 01/15/15-03/26/15, 10:10am-11:00am F, Room TBA, DULUTH, 03/31/15-05/08/15, instruction mode: Classroom; George, Angela, 0.70 cr

7004 Early Pharmacy Practice Experience IV
(A-F; prereq 7003 or instructor consent, criminal background check, BLS CPR certification, proof of negative Mantoux test or explanation of positive test, proof of chicken pox immunity)
63070 001 FWK, 08:00am-08:50am F, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Classroom; Gaither, Caroline A; Little, Meg, 0.50 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.)
63717 001 ROT, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies; Carlson PharmD, Dawn L; Jolowsky, Christene M, 2.50 cr

7010 APPE Continuing Professional Development Portfolio
(max crs 4.50; 3 repeats allowed; S-N; prereq 3rd year Pharmacy student)
64186 001 IND, 11:15am-12:05pm F, Room TBA, DULUTH, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies; Janke PhD, Kristin Kari, 0.50-1.50 cr

7120 Community Practice Experience
(A-F; prereq Pharm.D. IV, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
63252 001 FWK, 01/20/15-05/08/15, instruction mode: Classroom, 4 cr

7122 Acute Patient Care Practice Experience I
(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
63253 001 FWK, 01/20/15-05/08/15, instruction mode: Classroom, 4 cr

7123 Ambulatory Patient Care Practice Experience
(A-F; prereq Pharm.D. IV, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
63254 001 FWK, 01/20/15-05/08/15, instruction mode: Classroom, 4 cr

7126 Patient Care Practice Experience
(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
63255 001 FWK, 01/20/15-05/08/15, instruction mode: Classroom, 4 cr

7128 Acute Patient Care Practice Experience II
(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
63256 001 FWK, 01/20/15-05/08/15, instruction mode: Classroom, 4 cr

7211 Elective Practice Experience I
(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
63257 001 FWK, 01/20/15-05/08/15, instruction mode: Classroom, 4 cr

7212 Elective Practice Experience II
(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
63258 001 FWK, 01/20/15-05/08/15, instruction mode: Classroom, 4 cr

7213 Elective Practice Experience III
(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern,

criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
63259 001 FWK, 01/20/15-05/08/15, instruction mode: Classroom, 4 cr

7214 Elective Practice Experience IV
(A-F; prereq Pharm.D. I-III, MN Board of Pharmacy intern, criminal background check, BLS CPR certification, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
64627 001 IND, 01/20/15-05/08/15, instruction mode: Independent/Directed Studies, 4 cr

7320 Early Pharmacy Practice Experience II: Planning and Implementing a Community Health Project
(A-F; prereq Successful completion of EPPE I)
65424 001 LEC, 08:00am-09:55am T, Room TBA, DULUTH, 01/15/15-05/08/15, instruction mode: Classroom; Little, Meg; Jolowsky, Christene M, 1 cr

PHILOSOPHY (Phil)

369 ABAH, 1121 University Drive, 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)

61853 001 LEC, 11:00am-11:50am MWF, BohH 90, instruction mode: Classroom; (open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Taylor, Samuel Alexander, 3 cr

63838 002 LEC, 12:00pm-12:50pm MWF, ABAH 225, instruction mode: Classroom; (open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Taylor, Samuel Alexander, 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)

61854 001 LEC, 11:00am-11:50am MWF, ABAH 235, instruction mode: Classroom; (open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Courtland, Shane D, 3 cr

65279 002 LEC, 09:00am-09:50am MWF, ABAH 235, instruction mode: Classroom; Courtland, Shane D, 3 cr

1005 Philosophy through Dialogue and Debate
(A-F only; meets DLE req of Oral Communication & Languages)

65464 001 LEC, 09:30am-10:45am TTh, Room TBA, DULUTH, instruction mode: Classroom; Ford, Jason, 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)

61855 001 LEC, 02:00pm-02:50pm MWF, ABAH 235, instruction mode: Classroom; (open UST reserved seats will be available to all students on 01/14/2014); Brown-Ing PhD, Eve A, 3 cr

68728 002 LEC, instruction mode: Classroom; This course may switch to completely online depending on the instructor's availability., 3 cr

1008 Critical Thinking
(A-F only; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)

64644 001 LEC, 01:00pm-01:50pm MTWTh, H 314, instruction mode: Classroom; Walsh, Sean P, 4 cr

68714 002 LEC, instruction mode: Correspondence; Ford, Jason, 4 cr

2001 Existential Literature
(A-F only; prereq WRIT 1120, 30 cr or instructor consent; meets DLE req of Humanities)

64645 001 LEC, 08:00am-08:50am MWF, Cina 308, instruction mode: Classroom; Schroer, Jeanine Weekes, 3 cr

3025 Philosophy of Race and Racism
(A-F only; prereq minimum 30 credits or instructor consent)

65280 001 LEC, 11:00am-12:50pm MW, BohH 112, instruction mode: Classroom; Schroer, Jeanine Weekes, 4 cr

3195 Special Topics: (Various Titles to be Assigned)
(max crs 9; 3 repeats allowed; A-F only; prereq 1001 or instructor consent)

68750 001 LEC, 10:00am-10:50am MWF, H 314, instruction mode: Classroom, 3 cr

3231 Law and Punishment
(A-F only; prereq 1001 or SOC 1301 or CRIM 1301)
64075 001 LEC, 12:00pm-01:50pm TTh, VKH 221, instruction mode: Classroom; Ford, Jason, 4 cr

3242 Values and Technology
(A-F only; prereq 60 cr or instructor consent; meets DLE req of Humanities; meets LE req of LE CAT8)
64736 001 LEC, 08:00am-08:50am MWF, ABAH 235, instruction mode: Classroom; Walsh, Sean P, 3 cr

3291 Current Social Political Philosophy
(A-F only; prereq 1001 or 1003 or instructor consent)
65465 001 LEC, 01:00pm-01:50pm MTWTh, ABAH 225, instruction mode: Classroom; 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 instructor consent)
62859 001 LEC, 02:00pm-03:50pm TTh, Room TBA, DULUTH, instruction mode: Classroom; Cole, David J, 4 cr

3320 20th Century Philosophy
(A-F only; prereq Min 30 cr or instructor consent)
68713 001 LEC, 09:00am-09:50am MTWTh, Cina 102, instruction mode: Classroom; Schroer, Robert Ward, 4 cr

3655 Theory of Knowledge
(A-F only; prereq (Min 45 cr or instructor consent), 1001, 1003, 1007, 1008, 1018, (1101 or 1118), credit will not be granted if already received for PHIL 4655)
65467 001 LEC, 10:00am-11:50am TTh, Room TBA, DULUTH, instruction mode: Classroom; Cole, David J, 4 cr

3900 Colloquium for Majors
(S-N only; prereq Phil major/minor, department consent ; attendance at 12 dept-approved lectures/discussions over 4-yr period; regis only during semester of 10th lect)
62268 001 LEC, instruction mode: Classroom, 1 cr

5991 Independent Study
(max crs 10; 10 repeats allowed; A-F only; prereq instructor consent, cannot be used to satisfy requirements for phil major or minor)
62387 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr

5997 Intern Teaching Assistantship
(max crs 4; A-F only; prereq instructor consent)
62272 001 FWK, instruction mode: Independent/Directed Studies, 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/hpe/>

College of Education & Human Service Professions

1220 Technical Swimming
(meets LE req of PE; \$8.50 course fee in addition to tuition)

62343 001 LAB, 09:00am-09:50am MW, SpHC 20, instruction mode: Classroom; 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; \$8.50 course fee in addition to tuition)

65113 001 LAB, 06:00pm-07:50pm M, SpHC 135, instruction mode: Classroom; Carlson, Cynthia C, 1 cr

1402 Tennis
(meets LE req of PE; \$8.50 course fee in addition to tuition)

62540 001 LAB, 10:00am-10:50am MW, FH 25, instruction mode: Classroom; Wendinger, Patricia J, 1 cr

1414 Bowling
(meets LE req of PE; \$58.00 course fee in addition to tuition)

62344 001 LAB, 01:00pm-02:40pm T, Skyline La SKY-LINELAN, OFFCAMPUS, instruction mode: Classroom; (Class meets in SpHC 8 on the first day, then Skyline Lanes); Wendinger, Patricia J, 1 cr

63761 002 LAB, 01:00pm-02:40pm W, Skyline La SKY-LINELAN, OFFCAMPUS, instruction mode: Classroom; (Class meets in SpHC 9A on the first day, then Skyline Lanes); Wendinger, Patricia J, 1 cr

1500 Cross-Country Skiing
(meets LE req of PE; \$42.75 course fee in addition to tuition)

tuition)
 62345 001 LAB, 09:00am-11:30am Th, SpHC 9A, OFF-CAMPUS, 01/20/15-03/13/15, instruction mode: Classroom; Frank, Danny, 1 cr

1502 Alpine Skiing
 (A-F only; meets LE req of PE; \$106.00 course fee in addition to tuition)
 65158 001 LAB, 06:00pm-09:00pm T, Spirit Mtn CHA-LETO000, OFFCAMPUS, 01/20/15-03/13/15, instruction mode: Classroom; Frank, Danny, 1 cr

1507 Introduction to River Kayaking
 (meets LE req of PE; \$73.50 course fee in addition to tuition)
 62541 001 LAB, 02:00pm-03:40pm T, SpHC 20, instruction mode: Classroom; Carlson, Randall Scott, 1 cr

1512 Fishing Skills
 (meets LE req of PE; \$8.50 course fee in addition to tuition)
 64339 001 LAB, 02:00pm-03:50pm M, SpHC 9, instruction mode: Classroom; Knapp, Jim L, 1 cr

1530 Rock Climbing
 (meets LE req of PE; \$63.00 course fee in addition to tuition)
 63764 001 LAB, 02:00pm-06:00pm T, SpHC 78, 03/23/15-05/08/15, instruction mode: Classroom; Carlson, Randall Scott; Kramer, Lucas Matthew, 1 cr

1531 Intermediate Rock Climbing
 (prereq 1530 or instructor consent; \$63.00 course fee in addition to tuition)
 63059 001 LAB, 02:00pm-06:00pm Th, SpHC 78, 03/23/15-05/08/15, instruction mode: Classroom; Carlson, Randall Scott; Kramer, Lucas Matthew, 1 cr

1601 Aerobics
 (meets LE req of PE; \$8.50 course fee in addition to tuition)
 62351 001 LAB, 08:00am-08:50am MW, SpHC 135, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Wendinger, Patricia J, 1 cr
 62352 002 LAB, 08:00am-08:50am TTh, SpHC 135, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Wendinger, Patricia J, 1 cr

1614 Self Defense
 (meets LE req of PE; \$8.50 course fee in addition to tuition)
 64776 001 LAB, 06:00pm-07:50pm T, SpHC 135, instruction mode: Classroom; Sodahl, Bruce, 1 cr

1615 Jujutsu
 (max crs 3; 3 repeats allowed; \$8.50 course fee in addition to tuition)
 64773 001 LAB, 12:00pm-12:50pm TTh, SpHC 150A, instruction mode: Classroom; Davis, Jason, 1 cr

1616 Weight Training
 (meets LE req of PE; \$8.50 course fee in addition to tuition)
 62340 001 LAB, 09:30am-10:20am TTh, SpHC 92, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Wendinger, Patricia J, 1 cr

1708 Basketball
 (meets LE req of PE; \$8.50 course fee in addition to tuition)
 62501 001 LAB, 09:00am-09:50am MW, SpHC 150, instruction mode: Classroom; Wendinger, Patricia J, 1 cr

1905 Varsity Basketball
 (max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
 62654 001 LAB, instruction mode: Classroom; Bowen, Matt, 1 cr
 62655 002 LAB, instruction mode: Classroom; Wiles, Annette M, 1 cr

1907 Varsity Ice Hockey
 (max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
 62656 001 LAB, instruction mode: Classroom; Sandelin, Scott A, 1 cr
 62657 002 LAB, instruction mode: Classroom; Miller, Shannon, 1 cr

1919 Varsity Track
 (max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
 62588 001 LAB, instruction mode: Classroom; Nisius, Paul David, 1 cr
 64233 002 LAB, instruction mode: Classroom; Warmington,

Joanna M, 1 cr

1921 Varsity Tennis
 (max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
 63726 001 LAB, instruction mode: Classroom; Doyle, Daniel Thomas, 1 cr

1925 Varsity Baseball
 (max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
 62586 001 LAB, instruction mode: Classroom; Rients, Bob, 1 cr

1927 Varsity Softball
 (max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
 62587 001 LAB, instruction mode: Classroom; Banford, Jennifer Lynn, 1 cr

2240 Lifeguarding Today
 (prereq Ability to swim 500 yards, instructor consent; \$34.00 course fee in addition to tuition)
 62262 001 LAB, 08:00am-09:15am TTh, SpHC 20, 08:00am-09:15am TTh, SpHC 8, instruction mode: Classroom; 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; \$34.00 course fee in addition to tuition)
 62320 001 LAB, 09:30am-10:45am TTh, SpHC 20, instruction mode: Classroom; 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)
 64014 001 LEC, 08:00am-09:15am TTh, SpHC 210, 08:00am-09:15am TTh, SpHC 150, instruction mode: Classroom; Course includes weekend field trip May 1-3, 2015.; Zmudy PhD, Mark Howard, 2 cr

1004 Teaching Recreational and Lifetime Activities
 (A-F only; prereq Pre-Physical Education major)
 64013 001 LEC, 09:30am-10:45am TTh, SpHC 210, 09:30am-10:45am TTh, SpHC 150A, 09:30am-10:45am Th, FH 25, instruction mode: Classroom; Knapp, Jim L, 2 cr

1005 Teaching Physical Fitness Activities
 (A-F only; prereq Pre PE major)
 64635 001 LEC, 08:00am-08:50am MWF, SpHC 150, 08:00am-08:50am MWF, FH 25, 08:00am-08:50am MWF, SpHC 92, 01/20/15-03/13/15, instruction mode: Classroom; Knapp, Jim L, 2 cr

1007 Teaching Dance Activities
 (A-F only; prereq Pre PE major)
 63414 001 LEC, 10:00am-10:50am MWF, SpHC 135, instruction mode: Classroom; Knapp, Jim L, 2 cr

3501 Teaching Cross-Country Skiing
 (A-F only; prereq PE or rec major or instructor consent; credit will not be granted if already received for 1500; \$42.75 course fee in addition to tuition)
 62790 001 LEC, 09:00am-11:30am T, SpHC 9A, 01/20/15-03/13/15, instruction mode: Classroom; Frank, Danny, 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 instructor consent; credit will not be granted if already received for 1507; \$65.00 course fee in addition to tuition)
 62392 001 LEC, 02:00pm-04:50pm T, SpHC 9, instruction mode: Classroom; Course includes weekend camping trips: Feb. 14-15, April 24-26, May 1-3, 2015.; Zmudy PhD, Mark Howard, 2 cr

4100 Elementary Physical Education Methods
 (A-F only; prereq 3400, 3500, Secondary Teacher Education Program (STEP), instructor consent; PETE 4125 (concurrent registration allowed); \$43.75 course fee in addition to tuition)
 67744 001 LEC, 08:00am-11:50am TTh, . TBA, 08:00am-11:50am TTh, SpHC 39, 01/20/15-01/22/15, 08:00am-11:50am TTh, SpHC 39, 02/17/15-02/19/15, instruction mode: Classroom; Class will meet in SpHC 39 on January 20, January 22, February 17, February 19, 2015 and for a final exam. Class will meet two dates TBD in April in the hub.; Carlson, Jane

A K, 4 cr

4125 Apprenticeship: Elementary
 (A-F only; prereq Secondary Teacher Education Program (STEP), pre or co-req PETE 4100 and instructor consent; no grad credit; \$43.75 course fee in addition to tuition)
 62886 001 FWK, instruction mode: Independent/Directed Studies; Class meets with PETE 4100.; Carlson, Jane A K, 2 cr

4250 Supervised Teaching College I: Planning for Instruction
 (max crs 2; A-F; prereq 4100 or 4200, Secondary Teacher Education Program (STEP), instructor consent; no grad credit)
 62388 001 FWK, 08:00am-08:50am F, SpHC 210, instruction mode: Independent/Directed Studies; Wendinger, Patricia J, 1 cr

4255 Supervised Teaching College II: Implementation and Class Management
 (A-F only; prereq 4250 and instructor consent; no grad credit)
 65177 001 FWK, 09:00am-09:50am F, SpHC 9, instruction mode: Independent/Directed Studies; Wendinger, Patricia J, 1 cr

4600 Seminar in Physical Education
 (A-F only; prereq Physical Education candidate; no grad credit)
 64109 001 LEC, 07:30pm-08:30pm T, SpHC 210, instruction mode: Classroom; (Arranged); 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 instructor consent; no grad credit)
 62350 001 IND, instruction mode: Independent/Directed Studies; Nierengarten, Mark Edward, 1-4 cr
 63944 002 IND, instruction mode: Independent/Directed Studies; Carlson, Jane A K, 1-4 cr

4992 Directed Readings
 (max crs 6; 6 repeats allowed; A-F only; prereq instructor consent; no grad credit)
 64015 001 IND, instruction mode: Independent/Directed Studies; 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 credit)
 62349 001 FWK, instruction mode: Independent/Directed Studies; 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, instruction mode: Classroom; Gran, Richard William
 62792 002 LAB, 09:00am-10:50am T, MWAH 275, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Gran, Richard William; Johnson, Darrin Eric; , 5 cr
 62793 003 LAB, 12:00pm-01:50pm T, MWAH 275, instruction mode: Classroom; Gran, Richard William; Johnson, Darrin Eric; , 5 cr
 62794 004 LAB, 02:00pm-03:50pm T, MWAH 275, instruction mode: Classroom; Gran, Richard William; Johnson, Darrin Eric; , 5 cr
 62795 005 LAB, 08:00am-09:50am Th, MWAH 275, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Gran, Richard William; Johnson, Darrin Eric; , 5 cr
 62866 006 LAB, 10:00am-11:50am Th, MWAH 275, instruction mode: Classroom; Gran, Richard William; Johnson, Darrin Eric; , 5 cr
 62867 007 LAB, 02:00pm-03:50pm Th, MWAH 275, instruction mode: Classroom; Gran, Richard William; Johnson, Darrin Eric; , 5 cr
 65222 008 LAB, 02:00pm-03:50pm W, MWAH 275, instruction mode: Classroom; Gran, Richard William; Johnson, Darrin Eric; , 5 cr

1002 Introduction to Physics II
 (A-F only; prereq 1001 or 2013 or 2017)
 001 LEC, 09:00am-09:50am MTWF, MWAH 195, instruction mode: Classroom; Ludewig, Bruce
 61872 002 LAB, 10:00am-11:50am T, MWAH 249, instruction mode: Classroom; Ludewig, Bruce; Johnson, Darrin Eric; , 5 cr
 61873 003 LAB, 12:00pm-01:50pm T, MWAH 249, instruc-

- tion mode: Classroom; Ludewig, Bruce; Johnson, Darrin Eric; , 5 cr
- 61874 004 LAB, 02:00pm-03:50pm T, MWAH 249, instruction mode: Classroom; Ludewig, Bruce; Johnson, Darrin Eric; , 5 cr
- 61875 005 LAB, 08:00am-09:50am Th, MWAH 249, instruction mode: Classroom; Ludewig, Bruce; Johnson, Darrin Eric, 5 cr
- 61876 006 LAB, 10:00am-11:50am Th, MWAH 249, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Ludewig, Bruce; Johnson, Darrin Eric, 5 cr
- 62831 007 LAB, 12:00pm-01:50pm Th, MWAH 249, instruction mode: Classroom; Ludewig, Bruce; Johnson, Darrin Eric, 5 cr
- 62868 008 LAB, 02:00pm-03:50pm Th, MWAH 249, instruction mode: Classroom; Ludewig, Bruce; Johnson, Darrin Eric, 5 cr
- 1011 Conceptual Physics**
(A-F only; prereq Will not satisfy major or minor requirements in phys; meets DLE req of Natural Sciences; meets LE req of LE CAT5)
- 65233 001 LEC, 01:00pm-01:50pm MWF, MWAH 195, instruction mode: Classroom; Johnson, Darrin Eric, 3 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)
- 64689 001 LEC, 11:00am-11:50am MWF, MWAH 195, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Hiller, John R, 3 cr
- 2013 General Physics I**
(A-F only; prereq previous or concurrent registration in PHYS 2014. Prerequisite of Math 1290 or 1296 or 1596; credit will not be granted if already received for PHYS 1201 or 2011.; meets DLE req of Natural Sciences; meets LE req of LE CAT5)
- 001 LEC, 10:00am-10:50am MTWTh, MWAH 195, instruction mode: Classroom; Johnson, Darrin Eric
- 65193 002 DIS, 10:00am-10:50am F, LSBE 233, instruction mode: Classroom; , 4 cr
- 65194 003 DIS, 10:00am-10:50am F, SSB 115, instruction mode: Classroom; , 4 cr
- 65195 004 DIS, 09:00am-09:50am F, KPlz 312, instruction mode: Classroom; , 4 cr
- 65196 005 DIS, 10:00am-10:50am F, H 464, instruction mode: Classroom; , 4 cr
- 65197 006 DIS, 09:00am-09:50am F, MonH 206, instruction mode: Classroom; Johnson, Darrin Eric, 4 cr
- 65198 007 DIS, 11:00am-11:50am F, MonH 206, instruction mode: Classroom; , 4 cr
- 011 LEC, 02:00pm-02:50pm MTWTh, MWAH 195, instruction mode: Classroom; Ludewig, Bruce
- 65199 012 DIS, 02:00pm-02:50pm F, KPlz 312, instruction mode: Classroom; , 4 cr
- 65200 013 DIS, 02:00pm-02:50pm F, SSB 115, instruction mode: Classroom; , 4 cr
- 65201 014 DIS, 02:00pm-02:50pm F, MonH 208, instruction mode: Classroom; , 4 cr
- 65202 015 DIS, 11:00am-11:50am F, DAdB 16A, instruction mode: Classroom; , 4 cr
- 65203 016 DIS, 12:00pm-12:50pm F, HH 216, instruction mode: Classroom; , 4 cr
- 65204 017 DIS, 01:00pm-01:50pm F, SSB 115, instruction mode: Classroom; , 4 cr
- 65205 018 DIS, 03:00pm-03:50pm F, HH 306, instruction mode: Classroom; , 4 cr
- 2014 General Physics Lab I**
(A-F only; prereq previous or concurrent enrollment in PHYS 2013; meets DLE req of Natural Sciences)
- 64801 001 LAB, 03:00pm-04:50pm M, MWAH 277, instruction mode: Classroom; , 1 cr
- 64802 002 LAB, 08:00am-09:50am T, MWAH 277, instruction mode: Classroom; , 1 cr
- 64803 003 LAB, 10:00am-11:50am T, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 64804 004 LAB, 12:00pm-01:50pm T, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 64805 005 LAB, 03:00pm-04:50pm T, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 64806 006 LAB, 09:00am-10:50am W, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 64807 007 LAB, 11:00am-12:50pm W, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 64808 008 LAB, 03:00pm-04:50pm W, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 64809 009 LAB, 08:00am-09:50am Th, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 64810 010 LAB, 10:00am-11:50am Th, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 64811 011 LAB, 12:00pm-01:50pm Th, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 64812 012 LAB, 03:00pm-04:50pm Th, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 64813 013 LAB, 08:00am-09:50am F, MWAH 277, instruction mode: Classroom; Maps, Jonathan; , 1 cr
- 2015 General Physics II**
(A-F only; prereq previous or concurrent registration in 2016. Prerequisite of 2011 or 2013 and 2014, Math 1297 or 1597; credit will not be granted if already received for PHYS 1202, 1204 or 2012.)
- 001 LEC, 12:00pm-12:50pm MWThF, MWAH 195, instruction mode: Classroom; Maps, Jonathan
- 65206 002 DIS, 12:00pm-12:50pm T, HH 216, instruction mode: Classroom; , 4 cr
- 65207 003 DIS, 12:00pm-12:50pm T, HH 306, instruction mode: Classroom; , 4 cr
- 65208 004 DIS, 09:00am-09:50am T, HH 306, instruction mode: Classroom; ; , 4 cr
- 65209 005 DIS, 10:00am-10:50am T, HH 306, instruction mode: Classroom; ; , 4 cr
- 65210 006 DIS, 11:00am-11:50am T, HH 216, instruction mode: Classroom; , 4 cr
- 011 LEC, 03:00pm-03:50pm MWThF, MWAH 195, instruction mode: Classroom; Kohn, Brian J
- 65211 012 DIS, 03:00pm-03:50pm T, DAdB 16A, instruction mode: Classroom; , 4 cr
- 65212 013 DIS, 03:00pm-03:50pm T, MWAH 191, instruction mode: Classroom; , 4 cr
- 65213 014 DIS, 03:00pm-03:50pm T, KAML 409, instruction mode: Classroom; , 4 cr
- 65214 015 DIS, 11:00am-11:50am T, HH 306, instruction mode: Classroom; , 4 cr
- 2016 General Physics Lab II**
(A-F only; prereq Previous or concurrently enrollment in PHYS 2015.)
- 64825 001 LAB, 04:00pm-05:50pm M, MWAH 241, instruction mode: Classroom; , 1 cr
- 64826 002 LAB, 08:00am-09:50am T, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 64827 003 LAB, 10:00am-11:50am T, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 64828 004 LAB, 01:00pm-02:50pm T, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 64829 005 LAB, 04:00pm-05:50pm T, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 64830 006 LAB, 10:00am-11:50am W, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 64831 007 LAB, 04:00pm-05:50pm W, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 64832 008 LAB, 08:00am-09:50am Th, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 64833 009 LAB, 10:00am-11:50am Th, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 64834 010 LAB, 01:00pm-02:50pm Th, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 64835 011 LAB, 04:00pm-05:50pm Th, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 64836 012 LAB, 09:00am-10:50am F, MWAH 241, instruction mode: Classroom; Ludewig, Bruce; , 1 cr
- 2021 Relativity and Quantum Physics**
(A-F only; prereq 1202 or 1204 or 2012 or (2015 and 2016))
- 61877 001 LEC, 02:00pm-02:50pm MWThF, DAdB 16A, 02:00pm-02:50pm F, HH 216, instruction mode: Classroom; Austin, Jay A, 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)
- 62815 001 LEC, 09:00am-09:50am MWThF, HH 216, instruction mode: Classroom; Kelly, Sam, 4 cr
- 2023 Classical and Quantum Physics Lab**
(Credit will not be granted if credit has been received for: PHYS 2031; A-F only; prereq 2021 and 2022 (concurrent registration is allowed))
- 62816 001 LAB, 09:00am-12:50pm T, TBA, instruction mode: Classroom; Gran, Richard William, 2 cr
- 2199 Physics Tutoring**
(max crs 4; 4 repeats allowed; S-N only; prereq 2012 or 2015 and 2016, department consent)
- 61893 001 IND, instruction mode: Independent/Directed Studies, 1-2 cr
- 3091 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq department consent)
- 61891 001 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
- 3094 Physics Research**
(max crs 6; 6 repeats allowed; S-N only; prereq department consent)
- 61892 001 IND, instruction mode: Independent/Directed Studies, 1-6 cr
- 3561 Astrophysics**
(Credit will not be granted if credit has been received for: PHYS 5561; A-F only; prereq 2021)
- 67485 001 LEC, 10:00am-10:50am MWF, MWAH 191, instruction mode: Classroom; Meets with: 67484 PHYS 5561; Seigar, Marc, 3 cr
- 4110 Physics for Science Teachers**
(A-F only; prereq 1002 or 2012, no Grad School cr.)
- 001 LEC, 04:00pm-04:50pm Th, MWAH 195, instruction mode: Classroom; Johnson, Darrin Eric
- 63173 002 DIS, 04:00pm-05:50pm Th, HH 216, instruction mode: Classroom; Johnson, Darrin Eric, 2 cr
- 5061 Experimental Methods**
(A-F only; prereq 2033 or 2031, 3061)
- 001 LEC, 08:00am-08:50am MW, Cina 406, instruction mode: Classroom; Johnson, Jonathan
- 63270 002 LAB, 08:00am-08:50am F, MWAH 379, 05:00pm-06:50pm F, MWAH 379, instruction mode: Classroom; Maps, Jonathan, 3 cr
- 5071 Quantum Computation**
(A-F only; prereq Math 3280 or PHYS 2021 or graduate student)
- 68421 001 LEC, 03:00pm-03:50pm MWF, HH 216, instruction mode: Classroom; Vanchurin, Vitaly, 3 cr
- 5090 Physics Seminar**
(max crs 2; A-F only; prereq Sr or grad student)
- 63134 001 LEC, 04:00pm-04:50pm F, HH 306, instruction mode: Classroom; Vanchurin, Vitaly, 1 cr
- 5511 Electrodynamics**
(A-F only; prereq 4011)
- 67487 001 LEC, 11:00am-11:50am MWF, HH 216, instruction mode: Classroom; Chabysheva, Sophia Sergeevna, 3 cr
- 5522 Quantum Mechanics II**
(A-F only; prereq 5521)
- 67489 001 LEC, 12:00pm-12:50pm MWF, HH 306, instruction mode: Classroom; Hiller, John R, 3 cr
- 5561 Astrophysics**
(Credit will not be granted if credit has been received for: PHYS 3561; A-F only; prereq 2021 and 2022, Math 3280)
- 67484 001 LEC, 10:00am-10:50am MWF, MWAH 191, instruction mode: Classroom; Meets with: 67485 PHYS 3561; Seigar, Marc, 3 cr
- 5591 Independent Study**
(max crs 6; 6 repeats allowed; S-N only; prereq Consent of director of graduate studies, instructor consent)
- 62042 001 IND, instruction mode: Independent/Directed Studies, 1-3 cr
- 5594 Physics Research**
(max crs 6; 6 repeats allowed; S-N only; prereq instructor consent)
- 62043 001 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
- 61850 001 IND, instruction mode: Independent/Directed Studies, 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))
- 62632 001 IND, instruction mode: Independent/Directed Studies; , 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)

61913 001 LEC, 01:00pm-01:50pm MWF, MonH 80, instruction mode: Classroom; (open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Rugeley, Cynthia R, 3 cr

63284 002 LEC, 02:00pm-02:50pm MWF, Cina 102, instruction mode: Classroom; (open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Jennings, Mark C, 3 cr

1050 International Relations

(A-F only; meets DLE req of Global Perspectives; meets LE

- req of LE CAT8; meets LEIP req of LEIP CAT08)
- 62983 001 LEC, 11:00am-12:15pm TTh, LSci 185, instruction mode: Classroom; (open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Youde, Jeremy Roger, 3 cr
- 63294 002 LEC, 08:00am-09:15am TTh, LSci 175, instruction mode: Classroom; (open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Sharp, Paul, 3 cr
- 1500 Introduction to Comparative Politics**
(A-F only; meets DLE req of Global Perspectives; meets LE req of LE CAT6; meets LEIP req of LEIP CAT06)
- 63616 002 LEC, 02:00pm-03:15pm TTh, MonH 80, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Das, Runa, 3 cr
- 1610 Introduction to Political Theory**
(A-F only; meets DLE req of Humanities; meets LE req of LE CAT7)
- 61916 001 LEC, 09:30am-10:45am TTh, Cina 308, instruction mode: Classroom; (open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Staats, Joseph Lawrence, 3 cr
- 1800 Mock Trial**
(max crs 6; A-F only; prereq Students may take this course twice for a maximum of 6 credits. Political Science majors and minors may only apply one attempt towards the major or minor. Political Science majors and minors may only take the course once.)
- 65080 001 LEC, 05:00pm-06:15pm TTh, Cina 308, instruction mode: Classroom; Jennings, Mark C, 3 cr
- 3001 American Public Policy**
(A-F only; prereq 1011, min 45 cr or instructor consent)
- 65081 001 LEC, 12:00pm-12:50pm MWF, Cina 224, instruction mode: Classroom; Rugeley, Cynthia R, 3 cr
- 3097 Government Internship**
(max crs 12; 12 repeats allowed; S-N only; prereq 60 cr; 4 cr max from 3097, 3197, 3297 may be applied toward advanced political science major requirements; instructor consent)
- 62546 001 FWK, instruction mode: Independent/Directed Studies; Youde, Jeremy Roger, 1-12 cr
- 63039 002 FWK, instruction mode: Independent/Directed Studies; Staats, Joseph Lawrence, 1-12 cr
- 3120 Congress and the Presidency**
(A-F only; prereq 1011, 45 cr or instructor consent)
- 65262 002 LEC, 11:00am-12:50pm TTh, H 403, instruction mode: Classroom; Rugeley, Cynthia R, 4 cr
- 3170 Political Interest Groups and Individuals**
(A-F only; prereq 1011, 45 cr or instructor consent)
- 63768 001 LEC, 03:00pm-03:50pm MWF, Cina 224, instruction mode: Classroom; Jennings, Mark C, 3 cr
- 3195 Special Topics: (Various Titles to Be Assigned)**
(max crs 8; 8 repeats allowed; A-F only; prereq 45 credits including 6 credits in social sciences or instructor consent)
- 66284 001 LEC, 11:00am-11:50am MWF, EduE 50, instruction mode: Classroom; Rugeley, Cynthia R, 1-4 cr
- 3197 Nongovernmental Internship**
(max crs 12; 12 repeats allowed; S-N only; prereq 60 cr; 4 cr max from 3097, 3197, 3297 may be applied toward advanced political science major requirements; instructor consent)
- 62538 001 FWK, instruction mode: Independent/Directed Studies; Jennings, Mark C, 1-12 cr
- 63045 002 FWK, instruction mode: Independent/Directed Studies; Staats, Joseph Lawrence, 1-12 cr
- 68811 003 FWK, instruction mode: Independent/Directed Studies; Rugeley, Cynthia R, 1-12 cr
- 3311 Public Opinion and Polling Methods**
(A-F; prereq 1011 or equivalent, 45 cr)
- 63433 001 LEC, 03:00pm-04:50pm TTh, KPlz 312, instruction mode: Classroom; Sheagley, Geoff, 4 cr
- 3426 Politics of International Law**
(A-F only; prereq minimum 45 credits, including 8 credits of social science or instructor consent)
- 66285 001 LEC, 03:00pm-04:50pm TTh, Engr 177, instruction mode: Classroom; Christian, Cindy M, 4 cr
- 3456 International Security: War and More**
(A-F only; prereq Minimum 45 credits)
- 66287 001 LEC, 08:00am-09:50am MW, EduE 17, instruction mode: Classroom; Caprioli, Mary, 4 cr
- 3515 Theories of Comparative Politics**
(A-F only; prereq 1500, 45 cr including 8 cr social sciences or instructor consent)
- 66288 001 LEC, 04:00pm-05:50pm TTh, ABAH 245, instruction mode: Classroom; Das, Runa, 4 cr
- 3525 African Politics**
(A-F only; prereq 1050 or 1500, 45 cr including 8 social science credits or instructor consent)
- 65257 001 LEC, 03:30pm-04:45pm TTh, Cina 308, instruction mode: Classroom; Youde, Jeremy Roger, 3 cr
- 3570 Politics of Developing Nations**
(A-F only; prereq 1050 or 1500 or 8 cr social sciences, 45 cr or instructor consent)
- 63769 001 LEC, 02:00pm-03:15pm TTh, Engr 280, instruction mode: Classroom; Staats, Joseph Lawrence, 3 cr
- 3600 Political Concepts**
(A-F only; prereq 45 credits or instructor consent)
- 65087 001 LEC, 04:00pm-05:50pm MW, Cina 202, instruction mode: Classroom; , 4 cr
- 3652 Modern Political Thought**
(max crs 12; 3 repeats allowed; A-F only; prereq 1610 or instructor consent, course is repeatable with instructor consent only.)
- 63172 001 LEC, 01:00pm-02:50pm MW, BohH 112, instruction mode: Classroom; , 4 cr
- 4190 The Senior Seminar**
(A-F only; prereq 6 cr in relevant upper division political science courses, instructor consent)
- 62754 001 LEC, 05:00pm-06:50pm MW, Cina 214, instruction mode: Classroom; Topic: International State Responses to Violence Against Women; Walsh, Shannon Drysdale, 4 cr
- 62836 002 LEC, 05:00pm-06:50pm TTh, MonH 208, instruction mode: Classroom; Topic: Polarization; Sheagley, Geoff, 4 cr
- 4191 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq 8 cr in political science, 6 cr in other social sciences, instructor consent)
- 61964 001 IND, instruction mode: Independent/Directed Studies; Caprioli, Mary, 1-4 cr
- 63046 002 IND, instruction mode: Independent/Directed Studies; Youde, Jeremy Roger, 1-4 cr
- 63047 003 IND, instruction mode: Independent/Directed Studies; Rugeley, Cynthia R, 1-4 cr
- 63048 004 IND, instruction mode: Independent/Directed Studies; Sheagley, Geoff, 1-4 cr
- 63049 005 IND, instruction mode: Independent/Directed Studies; Das, Runa, 1-4 cr
- 63050 006 IND, instruction mode: Independent/Directed Studies; Staats, Joseph Lawrence, 1-4 cr
- 63434 008 IND, instruction mode: Independent/Directed Studies; Sharp, Paul, 1-4 cr
- 63435 009 IND, instruction mode: Independent/Directed Studies; Jennings, Mark C, 1-4 cr
- 64076 010 IND, instruction mode: Independent/Directed Studies; Walsh, Shannon Drysdale, 1-4 cr
- 4910 Teaching Assistantship in Political Science**
(max crs 3; 3 repeats allowed; S-N only; prereq 90 cr, political science major, instructor consent; 3 cr max may be applied to upper division political science major requirements and between Pol 3109 and 4910; no grad credit)
- 62547 001 FWK, instruction mode: Independent/Directed Studies; Das, Runa, 1-2 cr
- 63040 002 FWK, instruction mode: Independent/Directed Studies; Youde, Jeremy Roger, 1-2 cr
- 63041 003 FWK, instruction mode: Independent/Directed Studies; Rugeley, Cynthia R, 1-2 cr
- 63042 004 FWK, instruction mode: Independent/Directed Studies; Sheagley, Geoff, 1-2 cr
- 63043 005 FWK, instruction mode: Independent/Directed Studies; Caprioli, Mary, 1-2 cr
- 63044 006 FWK, instruction mode: Independent/Directed Studies; Jennings, Mark C, 1-2 cr
- 63617 007 FWK, instruction mode: Independent/Directed Studies; Walsh, Shannon Drysdale, 1-2 cr
- instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; Apostal, Kathryn J, 4 cr
- 62222 003 LEC, 12:00pm-12:50pm MTWTh, BohH 90, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; Hjelle, Ryan James, 4 cr
- 2003 Psychology: Discipline and Profession**
(A-F only; prereq Pre-psychology or psychology major)
- 65519 001 LEC, 01:00pm-01:50pm M, BohH 90, instruction mode: Classroom; Dowell PhD, Kathy, 1 cr
- 2020 Introduction to Statistics and Research Methods**
(A-F only; prereq 1003 and psychology minors only or instructor consent)
- 65251 001 LEC, 01:00pm-01:50pm MWF, BohH 346, instruction mode: Classroom; Urschel, Jessica Louise, 3 cr
- 65520 002 LEC, 02:00pm-02:50pm MTWTh, KPlz 312, instruction mode: Classroom; Hjelle, Ryan James, 3 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)
- 62645 001 LEC, 12:00pm-01:50pm TTh, MonH 80, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Leverson, Katey Rae, 4 cr
- 63975 002 LEC, 03:00pm-03:50pm MTWTh, SCC 120, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Schipper, Lucas David, 4 cr
- 62989 003 LEC, 09:00am-09:50am MTWTh, BohH 90, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Zeng, Qing, 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)
- 62742 001 LEC, 09:00am-10:50am TTh, MonH 70, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Dowell PhD, Kathy, 4 cr
- 62804 002 LEC, 01:00pm-01:50pm MTWTh, MonH 70, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 2 seats reserved for University Studies - EXPIRES 13-JAN-2015; Schilling, Christine Ann, 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)
- 62951 001 LEC, 01:00pm-01:50pm MTWTh, BohH 104, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Marsh, Karen Linda, 4 cr
- 64731 050 LEC, instruction mode: Correspondence; 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. (Open UST reserved seats will be available to all students on 01/13/15); 5 seats reserved for Psy Online Students - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Marsh, Karen Linda, 4 cr
- 3010 Internship Preparation**
(A-F; prereq Psychology major or instructor consent; \$43.75 course fee in addition to tuition)
- 62592 001 LEC, 12:00pm-12:50pm TTh, KPlz 385, instruction mode: Classroom; Woolum, Sandra J, 2 cr
- 3011 Internship in Psychology**
(max crs 6; A-F; prereq 3010 or instructor consent)
- 63417 001 FWK, 09:00am-09:50am W, KAML 409, instruction mode: Independent/Directed Studies; LaCaille, Lara, 3 cr
- 63418 002 FWK, 11:00am-11:50am T, BohH 343, instruction mode: Independent/Directed Studies; Woolum, Sandra J, 3 cr
- 3020 Statistical Methods**
(A-F only; prereq Elem Algebra, Math placement test)
- 63265 001 LEC, 12:00pm-12:50pm MTWTh, BohH 104, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Urschel,

PSYCHOLOGY (Psy)

320 BohH, 1207 Ordean Court, College of Education and Human Service Professions, Duluth, MN, 55812-3010
218/726-7117, <http://www.d.umn.edu/psy/>

College of Education & Human Service Professions

1003 General Psychology

- (A-F only; meets DLE req of Social Sciences; meets LE req of LE CAT6)
- 62220 001 LEC, 02:00pm-02:50pm MTWTh, BohH 90, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 3 seats reserved for University Studies - EXPIRES 13-JAN-2015; Apostal, Kathryn J, 4 cr
- 62221 002 LEC, 04:00pm-04:50pm MTWTh, BohH 90,

University of Minnesota – Class Schedule for Duluth Campus

Spring 2015

- Jessica Louise, 4 cr
63062 002 LEC, 01:00pm-01:50pm MTWTh, KPlz 312, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Hessler, Eric Edward, 4 cr
- 64634 003 LEC, 10:00am-10:50am MTWTh, EduE 50, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Hjelle, Ryan James, 4 cr
- 63976 050 LEC, instruction mode: Correspondence; 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. (Open UST reserved seats will be available to all students on 01/14/14); 19 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 5 seats reserved for Psy Online Students - EXPIRES 23-NOV-2014; Słowiak PhD, Julie M, 4 cr
- 3021 Experimental Design and Methodology**
(A-F only; prereq 2003, 3020, Psychology major)
001 LEC, 10:00am-10:50am MWF, Room TBA, DULUTH, instruction mode: Classroom; Hessler, Eric Edward
- 62355 002 LAB, 09:00am-09:50am T, KPlz 395, instruction mode: Classroom; Hessler, Eric Edward, 4 cr
- 62356 003 LAB, 10:00am-10:50am T, KPlz 395, instruction mode: Classroom; Hessler, Eric Edward, 4 cr
- 004 LEC, 08:00am-09:15am TTh, KPlz 312, instruction mode: Classroom; Gilbertson, Rebecca
- 62673 005 LAB, 12:00pm-12:50pm T, KPlz 395, instruction mode: Classroom; Gilbertson, Rebecca, 4 cr
- 62674 006 LAB, 03:00pm-03:50pm T, KPlz 395, instruction mode: Classroom; Gilbertson, Rebecca, 4 cr
- 63911 050 LAB, instruction mode: Correspondence; 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.; Durgunoglu, Aydin Yucesan, 4 cr
- 051 LEC, instruction mode: Classroom; Durgunoglu, Aydin Yucesan
- 3022 Applied Methods and Measurement**
(A-F only; prereq psychology major, PSY 3020, 3021 or instructor consent)
001 LEC, 02:00pm-02:50pm MWF, Cina 106, instruction mode: Classroom; Lake, Christopher John
- 62358 002 LAB, 01:00pm-01:50pm T, KPlz 395, instruction mode: Classroom; Lake, Christopher John, 4 cr
- 62359 003 LAB, 11:00am-11:50am T, KPlz 395, instruction mode: Classroom; Lake, Christopher John, 4 cr
- 004 LEC, 08:00am-09:15am TTh, BohH 108, instruction mode: Classroom; Gordon, Randall A
- 62361 005 LAB, 01:00pm-01:50pm W, KPlz 395, instruction mode: Classroom; Gordon, Randall A, 4 cr
- 62362 006 LAB, 02:00pm-02:50pm W, KPlz 395, instruction mode: Classroom; Gordon, Randall A, 4 cr
- 007 LEC, 02:00pm-02:50pm MWF, KPlz 385, instruction mode: Classroom; Lloyd, Robert Lee
- 62806 008 LAB, 02:00pm-02:50pm T, KPlz 395, instruction mode: Classroom; Lloyd, Robert Lee, 4 cr
- 62807 009 LAB, 02:00pm-02:50pm Th, KPlz 395, instruction mode: Classroom; Lloyd, Robert Lee, 4 cr
- 3061 Physiological Psychology**
(A-F only; prereq 1003 or instr consent)
64643 001 LEC, 10:00am-10:50am MTWTh, EduE 20, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Gilbertson, Rebecca, 4 cr
- 65036 002 LEC, 02:00pm-02:50pm MTWTh, EduE 50, 02:00pm-02:50pm TTh, Engr 118, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; , 4 cr
- 65523 050 LEC, instruction mode: Correspondence; 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.; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Schipper, Lucas David, 4 cr
- 3081 History and Systems of Psychology**
(A-F only; prereq 1003 or instructor consent)
65524 001 LEC, 03:00pm-03:50pm MWF, KPlz 385, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Schilling, Christine Ann, 3 cr
- 64442 002 LEC, 02:00pm-03:15pm TTh, EduE 20, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Stuecher, Uwe Heinrich, 3 cr
- 65544 003 LEC, 10:00am-10:50am MWF, LSBE 165, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Urschel, Jessica Louise, 3 cr
- 63780 050 LEC, instruction mode: Correspondence; 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 UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 4 seats reserved for Psy Online Students - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Kivi, Carol Susan, 3 cr
- 3111 Theories of Personality**
(A-F only; prereq 1003 or instructor consent)
63783 001 LEC, 03:30pm-04:45pm TTh, BohH 108, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Stuecher, Uwe Heinrich, 3 cr
- 65525 002 LEC, 08:00am-09:15am TTh, Cina 106, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Marsh, Karen Linda, 3 cr
- 65038 050 LEC, instruction mode: Correspondence; 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.; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Kivi, Carol Susan, 3 cr
- 3121 Abnormal Psychology**
(A-F only; prereq 1003 or instructor consent)
64732 001 LEC, 09:00am-09:50am MTWTh, BohH 346, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Urschel, Jessica Louise, 4 cr
- 62808 002 LEC, 08:00am-08:50am MTWTh, BohH 112, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Marsh, Karen Linda, 4 cr
- 63266 003 LEC, 10:00am-10:50am MTWTh, BohH 346, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Marsh, Karen Linda, 4 cr
- 64630 050 LEC, instruction mode: Correspondence; 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 UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; LaCaille, Rick A, 4 cr
- 3122 Child and Adolescent Abnormal Psychology**
(A-F; prereq 1003, 2021)
63786 001 LEC, 10:00am-10:50am MWF, Room TBA, DULUTH, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Dowell PhD, Kathy, 3 cr
- 3201 Social Psychology**
(A-F only; prereq 1003 or instructor consent)
63623 001 LEC, 09:30am-10:45am TTh, KPlz 312, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Gordon, Randall A, 3 cr
- 62875 002 LEC, 10:00am-10:50am MWF, BohH 112, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Schipper, Lucas David, 3 cr
- 63979 003 LEC, 12:00pm-12:50pm MWF, BohH 346, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Schipper, Lucas David, 3 cr
- 3211 Group Dynamics**
(A-F only; prereq 1003 or instr consent)
63782 050 LEC, instruction mode: Correspondence; 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 UST reserved seats will be available to all students on 01/13/15); 16 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 4 seats reserved for Psy Online Students - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; McClure, Bud A, 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)
65256 001 LEC, 02:00pm-03:15pm TTh, KPlz 385, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Levenson, Katey Rae, 3 cr
- 65527 002 LEC, 11:00am-11:50am MWF, BohH 108, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Schilling, Christine Ann, 3 cr
- 65040 050 LEC, instruction mode: Correspondence; 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.; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Levenson, Katey Rae, 3 cr
- 3371 Child and Adolescent Psychology**
(A-F only; prereq 1003)
65528 001 LEC, 10:00am-10:50am MWF, Room TBA, DULUTH, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Schilling, Christine Ann, 3 cr
- 65529 002 LEC, 12:00pm-12:50pm MWF, EduE 50, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Zeng, Qing, 3 cr
- 65050 050 LEC, instruction mode: Correspondence; 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. (Open UST reserved seats will be available to all students on 01/13/15); 15 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 5 seats reserved for Psy Online Students - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Kivi, Carol Susan, 3 cr
- 3381 Adult Development and Aging**
(A-F only; prereq 1003)
65042 050 LEC, instruction mode: Correspondence; 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. (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Zeng, Qing, 3 cr
- 3445 Transpersonal Psychology**
(A-F only; prereq 1003 or instructor consent)
6530 050 DIS, instruction mode: Correspondence; 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.; McClure, Bud A, 3 cr
- 3520 Introduction to Industrial/Organizational Psychology**
(A-F only; prereq 1003 or instructor consent)
65044 050 LEC, instruction mode: Correspondence; Online Instruction - Students must be registered and begin the course at the start of the semester, and complete all re-

quirements 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.; 15 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 5 seats reserved for Psy Online Students - EXPIRES 23-NOV-2014; Luong, Alexandra, 4 cr

3524 Basic Helping Skills

(A-F only)

62368 001 LEC, 02:00pm-03:50pm TTh, Room TBA, DULUTH, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Woolum, Sandra J, 4 cr
63536 050 LEC, instruction mode: Correspondence; 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 UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 4 seats reserved for Psy Online Students - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Kivi, Carol Susan, 4 cr

3601 Psychology of Personal Development

(A-F only; prereq 1003 or instru consent)

65532 050 LEC, instruction mode: Correspondence; 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.; McClure, Bud A, 3 cr

3611 Learning and Behavior

(A-F only; prereq 1003 or instructor consent)

63980 002 LEC, 05:00pm-06:50pm TTh, BohH 108, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Stuecher, Uwe Heinrich, 4 cr

3613 Applied Behavior Analysis and Behavior Change

(A-F only; prereq 1003)

001 LEC, 09:00am-10:50am T, Room TBA, DULUTH, instruction mode: Classroom; Slowiak PhD, Julie M
65385 002 LAB, 09:00am-10:50am Th, Room TBA, DULUTH, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Slowiak PhD, Julie M, 4 cr

3621 Cognition

(A-F only; prereq 1003 or instructor consent)

63981 001 LEC, 12:00pm-12:50pm MTWTh, KPlz 312, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Young, Keith M, 4 cr
65045 002 LEC, 09:00am-09:50am MTWTh, EduE 20, instruction mode: Classroom; 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; Hjelle, Ryan James, 4 cr
65046 051 LEC, instruction mode: Correspondence; 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.; 15 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 5 seats reserved for Psy Online Students - EXPIRES 23-NOV-2014; Young, Keith M, 4 cr

3701 Personnel Psychology

(A-F only; prereq 1003)

63180 001 LEC, 11:00am-11:50am MWF, KPlz 385, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 20 seats reserved for Psy major or pre-psy - EXPIRES 23-NOV-2014; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; 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)

64182 001 IND, instruction mode: Independent/Directed Studies; , 1-6 cr

3989 Directed Instruction

(max crs 4; 4 repeats allowed; prereq instructor consent)

63088 001 LEC, instruction mode: Classroom; , 1-4 cr
64709 002 LEC, instruction mode: Classroom; , 1-4 cr
64711 003 LEC, instruction mode: Classroom; , 1-4 cr
64718 004 LEC, instruction mode: Independent/Directed Studies; , 1-4 cr
64721 005 LEC, instruction mode: Independent/Directed Studies; , 1-4 cr
64722 006 LEC, instruction mode: Independent/Directed Studies; , 1-4 cr
64723 007 LEC, instruction mode: Independent/Directed Studies; , 1-4 cr
64728 008 LEC, instruction mode: Independent/Directed Studies; , 1-4 cr
64887 009 LEC, instruction mode: Independent/Directed Studies; , 1-4 cr

3991 Projects in Psychology

(max crs 4; 4 repeats allowed; S-N only; prereq psychology major or minor, instructor consent)

62395 001 IND, instruction mode: Independent/Directed Studies; , 1-4 cr
65444 002 IND, instruction mode: Independent/Directed Studies; , 1-4 cr

3994 Directed Research in Psychology

(max crs 8; 8 repeats allowed; A-F only; prereq psychology major or minor, instructor consent)

62646 001 IND, instruction mode: Independent/Directed Studies; , 1-8 cr
64706 002 IND, instruction mode: Independent/Directed Studies; , 1-8 cr

3996 Pre-Professional Field Placement

(max crs 4; 4 repeats allowed; S-N; prereq 3010, 3011, instructor consent)

63534 001 FWK, instruction mode: Independent/Directed Studies; LaCaille, Lara, 1-4 cr
64734 002 FWK, instruction mode: Independent/Directed Studies; Woolum, Sandra J, 1-4 cr

5621 Cognition and Emotion

(A-F only; prereq psychology graduate student or instructor consent; credit will not be granted if already received for 3621)

65537 001 LEC, 08:00am-09:15am TTh, KPlz 385, instruction mode: Classroom; Durgunoglu, Aydin Yucesan, 3 cr

5631 Biological Bases of Behavior

(A-F only; prereq psychology grad student or instructor consent; credit will not be granted if already received for 3061)

65538 001 LEC, 12:00pm-12:50pm MWF, KPlz 385, instruction mode: Classroom; Lloyd, Robert Lee, 3 cr

5702 Advanced Organizational Psychology

(A-F only; prereq psychology graduate student or instructor consent; credit will not be granted if already received for 3707)

65545 001 LEC, 05:00pm-07:40pm M, KPlz 385, instruction mode: Classroom; Lake, Christopher John, 3 cr

8021 Research Methods and Evaluation

(A-F only; prereq successful completion of an undergraduate research methods course in psychology or another social science discipline, PSY 5020 or an equivalent graduate level statistics course in the social sciences.)

65539 001 LEC, 05:00pm-07:40pm W, BohH 108, instruction mode: Classroom; Gordon, Randall A, 3 cr

8097 Clinical-Counseling Practicum

(A-F only; prereq Clinical counseling track psychology graduate student)

65540 001 FWK, 11:00am-11:50am M, BohH 343, instruction mode: Classroom; Boh 343 if possible; LaCaille, Lara, 2 cr

8221 Individual Adult and Group Therapy/Counseling

(A-F only; prereq Clinical counseling track psychology graduate student or instructor consent)

65541 001 LEC, 10:00am-10:50am MWF, BohH 104, instruction mode: Classroom; LaCaille, Rick A, 3 cr

8232 Assessment II

(A-F only; prereq 8231)

65542 001 LEC, 02:00pm-03:15pm TTh, Chem 153, instruction mode: Classroom; Carlson, Scott Robert, 3 cr

8705 Organizational Systems & Development

(A-F only; prereq psychology graduate student or instructor consent)

65543 001 LEC, 02:00pm-03:15pm TTh, HH 306, instruction mode: Classroom; Slowiak PhD, Julie M, 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; \$65.00 course fee in addition to tuition)

62333 001 LAB, 02:00pm-04:50pm T, SpHC 9A, instruction mode: Classroom; Course includes two weekend camping trips: February 14-15 and April 24-26, 2015.; Frank, Danny, 2 cr

1204 Outdoor Skills II

(A-F only; prereq Pre-envir and outdoor ed, envir and outdoor ed major or minor; \$65.00 course fee in addition to tuition)

62394 001 LAB, 02:00pm-04:50pm Th, SpHC 9A, instruction mode: Classroom; Course includes two weekend camping trips: February 14-15 and April 24-26, 2015.; Frank, Danny, 2 cr

3327 Large Event Management

(A-F only; prereq 2300 or instructor consent)

63272 001 LEC, 10:00am-10:50am MWF, SpHC 9, instruction mode: Classroom; Zmudy PhD, Mark Howard, 3 cr

4320 GIS Management for Recreation Professionals

(prereq No grad credit; \$71.75 course fee in addition to tuition)

62814 001 LEC, 05:30pm-08:30pm Th, H 470, instruction mode: Classroom; Geissler, John D, 3 cr

4991 Independent Study

(max crs 4; 4 repeats allowed; A-F only; prereq instructor consent; no grad credit)

62338 001 IND, instruction mode: Independent/Directed Studies; Ernst, Julie Ann, 1-4 cr

64239 002 IND, instruction mode: Independent/Directed Studies; Frank, Danny, 1-4 cr

64240 003 IND, instruction mode: Independent/Directed Studies; Gilbertson, Ken Lloyd, 1-4 cr

64241 004 IND, instruction mode: Independent/Directed Studies; Zmudy PhD, Mark Howard, 1-4 cr

4992 Readings in Recreation

(max crs 4; 4 repeats allowed; A-F only; prereq instructor consent; no grad credit)

62339 001 IND, instruction mode: Independent/Directed Studies; Ernst, Julie Ann, 1-4 cr

65183 002 IND, instruction mode: Independent/Directed Studies; Frank, Danny, 1-4 cr

65184 003 IND, instruction mode: Independent/Directed Studies; Gilbertson, Ken Lloyd, 1-4 cr

65185 004 IND, instruction mode: Independent/Directed Studies; Zmudy PhD, Mark Howard, 1-4 cr

4997 Recreation Practicum

(S-N; prereq ENED 4163, PETE 3508 and instructor consent; no grad credit; \$43.75 course fee in addition to tuition)

62337 001 FWK, instruction mode: Independent/Directed Studies; Ernst, Julie Ann, 3 cr

64242 002 FWK, instruction mode: Independent/Directed Studies; Frank, Danny, 3 cr

64243 003 FWK, instruction mode: Independent/Directed Studies; Gilbertson, Ken Lloyd, 3 cr

64244 004 FWK, instruction mode: Independent/Directed Studies; 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

(Credit will not be granted if credit has been received for: RUSS 1101, RUSS 1110; A-F only; prereq 1101 or equiv or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)

64844 001 LEC, 05:00pm-05:50pm MTWTh, H 490, instruction mode: Classroom; (open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Nolan, Daniel, 4 cr

3405 Film and New Media in Russian Society

(A-F only; meets DLE req of Fine Arts; meets DLE req of Global Perspectives)

66351 001 LEC, 03:00pm-03:50pm MTWTh, EduE 32, instruction mode: Classroom; 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 department approval)

- and instructor consent)
64609 001 LEC, 08:00am-09:50am MW, VKH 201, instruction mode: Classroom; , 4 cr
- 6051 Construction Safety**
(A-F only; prereq 6002 or department approval and instructor consent)
62322 001 LEC, 05:00pm-07:40pm W, VKH 201, instruction mode: Classroom; Taylor, Sean Lachlan, 3 cr
- 6102 Advanced Industrial Hygiene and Health Physics**
(A-F only; prereq 6101 or department approval and instructor consent)
64610 001 LEC, 05:00pm-07:40pm M, VKH 201, instruction mode: Classroom; Roseth, Wade Edward, 3 cr
- 6291 Independent Study in Industrial Safety**
(max crs 3; S-N only; prereq 6002, instructor consent)
62323 001 IND, instruction mode: Independent/Directed Studies; , 1-3 cr
- 6302 Occupational Ergonomics and Injury Management**
(A-F only; prereq MEHS student or department approval and instructor consent)
62317 001 LEC, 10:00am-11:20am MW, VKH 201, instruction mode: Classroom; (+ lab arr) VKH 201,207; Feyen, Robert G, 3 cr
- 6997 Internship in Environmental Health and Safety**
(S-N only; prereq MEHS student, department approval)
64187 001 FWK, instruction mode: Independent/Directed Studies; 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

- 1000 Introduction to Social Welfare**
(A-F only; meets DLE req of Social Sciences)
65346 001 LEC, 09:30am-10:45am TTh, Chem 155, instruction mode: Classroom; , 3 cr
- 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)
63533 001 LEC, 02:00pm-03:15pm TTh, H 403, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15.); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
- 4102 Introduction to Social Work Research**
(A-F; prereq Admission to social work program, 1000 or instructor consent; no grad credit)
66338 001 LEC, 09:00am-10:45am T, BohH 112, 01/20/15-01/20/15, 09:00am-10:45am T, BohH 112, 02/17/15-02/17/15, 09:00am-10:45am T, BohH 112, 03/24/15-03/24/15, instruction mode: Primarily Online; Class is primarily online and will meet 3 times face to face during the semester., 3 cr
- 4111 Introduction to Individual, Family and Group Practice**
(A-F; prereq Admission to social work program, 1000, 4101 or instructor consent; no grad credit)
66340 001 LEC, 12:30pm-02:15pm T, BohH 112, 01/20/15-01/20/15, 12:30pm-02:15pm T, BohH 112, 02/17/15-02/17/15, 12:30pm-02:15pm T, BohH 112, 03/24/15-03/24/15, instruction mode: Primarily Online; Class is primarily online and will meet 3 times face to face during the semester., 3 cr
- 4113 Introduction to Child Welfare Practice**
(A-F; prereq Admission to social work program, 1000 or instructor consent; no grad credit)
66342 001 LEC, 04:30pm-06:15pm T, BohH 112, 01/20/15-01/20/15, 04:30pm-06:15pm T, BohH 112, 02/17/15-02/17/15, 04:30pm-06:15pm T, BohH 112, 03/24/15-03/24/15, instruction mode: Primarily Online; Class is primarily online and will meet 3 times face to face during the semester., 3 cr
- 4120 Community Volunteer Experience**
(S-N; prereq Admission to social work program, background check, 1000, 4111 (concurrent registration is allowed) and instructor consent; no grad credit; \$43.75 course fee in addition to tuition)
66339 001 FWK, 11:00am-11:45am T, BohH 112, 01/20/15-01/20/15, 11:00am-11:45am T, BohH 112, 02/17/15-02/17/15, 11:00am-11:45am T, BohH 112, 03/24/15-03/24/15, instruction mode: Independent/Directed Studies, 1 cr
- 5061 Computers in the Human Services**
(max crs 2; prereq junior or senior or grad student or instructor consent)

- 66341 001 LAB, 02:30pm-04:15pm T, BohH 112, 01/20/15-01/20/15, 02:30pm-04:15pm T, BohH 112, 02/17/15-02/17/15, 02:30pm-04:15pm T, BohH 112, 03/24/15-03/24/15, instruction mode: Primarily Online; Class is primarily online and will meet 3 times face to face during the semester., 1-2 cr
- 5091 Independent Study**
(max crs 8; 8 repeats allowed; prereq instructor consent)
64023 001 IND, instruction mode: Independent/Directed Studies; , 1-4 cr
64024 002 IND, instruction mode: Independent/Directed Studies; , 1-4 cr
64025 003 IND, instruction mode: Independent/Directed Studies; , 1-4 cr
64026 004 IND, instruction mode: Independent/Directed Studies; , 1-4 cr
64027 005 IND, instruction mode: Independent/Directed Studies, 1-4 cr
64028 006 IND, instruction mode: Independent/Directed Studies; , 1-4 cr
64029 007 IND, instruction mode: Independent/Directed Studies; , 1-4 cr
65263 008 IND, instruction mode: Independent/Directed Studies; , 1-4 cr
- 5096 Special Project**
(max crs 8; 8 repeats allowed; S-N only; prereq instructor consent)
61940 001 FWK, instruction mode: Independent/Directed Studies; , 1-4 cr
62741 002 FWK, instruction mode: Independent/Directed Studies; , 1-4 cr
62984 003 FWK, instruction mode: Independent/Directed Studies; , 1-4 cr
63184 004 FWK, instruction mode: Independent/Directed Studies; , 1-4 cr
64022 005 FWK, instruction mode: Independent/Directed Studies, 1-4 cr
62985 006 FWK, instruction mode: Independent/Directed Studies; , 1-4 cr
63295 007 FWK, instruction mode: Independent/Directed Studies; , 1-4 cr
65264 008 FWK, instruction mode: Independent/Directed Studies; , 1-4 cr
- 5111 Grant Writing in the Human Services**
(max crs 2; A-F; prereq Jr or sr or Grad or instructor consent)
63644 001 LEC, 06:00pm-07:50pm Th, BohH 343, instruction mode: Classroom; 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.; , 1-2 cr
- 5120 Cross-Cultural Exploration Through Learning Circles**
(S-N; prereq Admission into MSW, 8100 or instructor consent)
63600 001 DIS, instruction mode: Classroom; Tellett, Anne Elizabeth; Day, Priscilla A, 1 cr
- 5271 Women and Social Policy**
(A-F; prereq Jr or sr or Grad or instructor consent)
63629 001 LEC, 10:00am-11:50am F, BohH 343, instruction mode: Classroom; , 2 cr
- 5280 Addressing Alcohol Related Problems in Social Work Practice**
(max crs 2; prereq Jr or Sr or Grad or instr consent)
65187 001 IND, instruction mode: Correspondence; Online class.; , 1-2 cr
- 5990 Pre-Field Work**
(NGA; \$43.75 course fee in addition to tuition)
63842 001 FWK, instruction mode: Independent/Directed Studies, 0 cr
- 8031 Advanced Practice in Child Welfare**
(A-F; prereq 5032, 8441)
61941 001 LEC, 08:30am-06:30pm S, BohH 112, 01/24/15-01/24/15, 08:30am-06:30pm S, BohH 112, 02/21/15-02/21/15, 08:30am-06:30pm S, BohH 112, 03/28/15-03/28/15, 08:30am-06:30pm S, BohH 112, 04/18/15-04/18/15, instruction mode: Classroom; Class will meet 4 Saturdays.; , 3 cr
- 8070 A Problem-based Approach to Clinical Assessment and Intervention**
(A-F; prereq 8441)
63841 001 LEC, 08:30am-06:30pm S, BohH 112, 01/31/15-01/31/15, 08:30am-06:30pm S, BohH 112, 02/28/15-02/28/15, 08:30am-06:30pm S, BohH 112, 03/14/15-03/14/15, 08:30am-06:30pm S, BohH 112, 04/11/15-04/11/15, instruction mode: Classroom; Class will meet 4 Saturdays during the semester.; , 3 cr
- 8100 Social Work with Diverse Populations**
(A-F; prereq MSW students or instructor consent)
63186 001 LEC, 06:00pm-08:50pm Th, BohH 112, instruc-

- tion mode: Classroom; , 3 cr
- 8101 Introduction to Research**
(A-F; prereq SW Grad student or instructor consent)
61928 001 LEC, 01:00pm-02:50pm Th, BohH 343, instruction mode: Classroom; , 2 cr
- 8102 Advanced Research**
(A-F; prereq 8101 or admission to advanced standing MSW program)
64369 001 LEC, 02:00pm-04:50pm Th, BohH 112, instruction mode: Classroom; , 3 cr
- 8105 MSW Portfolio and Final Oral Seminar**
(S-N only; prereq 8102)
64261 001 IND, instruction mode: Independent/Directed Studies, 0 cr
64271 002 IND, instruction mode: Independent/Directed Studies; , 0 cr
64272 003 IND, instruction mode: Independent/Directed Studies; , 0 cr
64273 004 IND, instruction mode: Independent/Directed Studies, 0 cr
64274 005 IND, instruction mode: Independent/Directed Studies; , 0 cr
64275 006 IND, instruction mode: Independent/Directed Studies; , 0 cr
64276 007 IND, instruction mode: Independent/Directed Studies; , 0 cr
- 8106 Child Welfare Practice with African American Families**
(A-F only; prereq 8100 or instructor consent)
65235 001 LEC, instruction mode: Primarily Online; Class will meet 3 times face to face during the semester., 2 cr
- 8112 Organization and Community Practice I**
(A-F; prereq 8111)
61937 001 LEC, 01:00pm-03:50pm F, BohH 112, instruction mode: Classroom; , 3 cr
- 8235 American Indians and Social Policy**
(A-F only; prereq 5201 or advanced standing MSW program or instructor consent; credit will not be granted if already received for 5235.)
63185 001 LEC, 03:00pm-04:50pm Th, BohH 343, instruction mode: Partially Online; 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.; , 3 cr
- 8332 Advanced Practice in Administration and Community Development**
(max crs 3; A-F; prereq 8331)
63378 001 LEC, 03:00pm-04:50pm F, BohH 343, instruction mode: Classroom; , 2-3 cr
- 8443 Advanced Practice in Mental Health**
(A-F; prereq 8441 concurrent registration is required)
63187 001 LEC, 09:00am-11:50am F, BohH 346, instruction mode: Classroom; , 3 cr
- 8771 Health in American Indian Communities**
(A-F; prereq 8235)
61943 001 LEC, 01:00pm-02:50pm F, BohH 343, instruction mode: Classroom; , 2 cr
- 8801 Field Placement I**
(max crs 6; S-N; prereq 8111, 8112; SW Grad student, instructor consent)
61930 001 FWK, 11:00am-12:20pm Th, BohH 343, instruction mode: Independent/Directed Studies; , 3-6 cr
61931 002 FWK, 04:00pm-05:20pm F, BohH 112, instruction mode: Independent/Directed Studies; , 3-6 cr
- 8802 Field Placement II**
(max crs 8; S-N; prereq concurrent registration in 8031 or 8332 or 8443 or 8544, SW Grad Student and instructor consent)
62909 001 FWK, 10:00am-11:20am Th, BohH 112, instruction mode: Independent/Directed Studies; , 3-8 cr
61936 002 FWK, 05:00pm-06:20pm F, BohH 343, instruction mode: Independent/Directed Studies; , 3-8 cr
- 8881 Dynamics of American Indian Families**
(A-F; prereq 8235 or instructor consent)
61944 001 LEC, 12:00pm-01:50pm Th, BohH 112, instruction mode: Classroom; , 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/socanth/>

College of Liberal Arts

- 1080 Development of Social Selves**
(A-F only; meets DLE req of Social Sciences; meets LE req of LE CAT8)
64051 001 LEC, 10:00am-10:50am WF, KPlz 385, instruction mode: Partially Online; 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)
61864 001 LEC, 09:00am-09:50am MTWTh, MonH 80, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Janssen, Susan L, 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)
67818 001 LEC, 06:00pm-08:30pm W, Cina 308, instruction mode: Classroom; Gittings, Ronald F, 3 cr

2155 Introduction to Research Methods and Analysis
(A-F only; prereq .)
65055 001 LEC, 10:00am-10:50am MTWTh, Room TBA, DULUTH, instruction mode: Classroom; Janssen, Susan L, 4 cr
65065 002 LEC, 09:00am-09:50am TWThF, MWAH 191, instruction mode: Classroom; Martin, Cory Charles, 4 cr
65066 003 LEC, 11:00am-11:50am TWThF, Cina 102, instruction mode: Classroom; Martin, Cory Charles, 4 cr

3155 Quantitative Research Methods and Analysis
(A-F only; prereq 2155, crim major or soc major or URS major, min 30 cr)
63147 001 LEC, 01:00pm-01:50pm MTWTh, Cina 308, instruction mode: Classroom; Martin, Daniel D., 4 cr
63148 002 LEC, 12:00pm-12:50pm MTWTh, Cina 308, instruction mode: Classroom; Janssen, Susan L, 4 cr

3701 Social Psychology
(A-F only; prereq Min 30 cr or instructor consent; meets DLE req of Social Sciences)
67819 001 LEC, 01:00pm-01:50pm WF, Cina 224, instruction mode: Partially Online; Wilson, Janelle L, 3 cr

3831 Organizations and Society
(A-F only; prereq 60 cr or instructor consent)
67820 001 LEC, 10:00am-11:50am MW, Cina 224, instruction mode: Classroom; Martin, Daniel D., 4 cr

3945 Social Stratification
(A-F only; prereq 1101 or CRIM 1301 or CSt 1101 or Anth 1604, min 30 cr or instructor consent)
63057 001 LEC, 09:30am-10:45am TTh, H 403, instruction mode: Classroom; Grana, Sheryl Judith, 3 cr

4111 Sociological Theory
(A-F only; prereq 1101, 30 cr, no grad credit; credit will not be granted if already received for SOC 2111.)
64819 001 LEC, 08:00am-09:50am MW, Cina 224, instruction mode: Classroom; Hamlin PhD, 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 credit)
62365 001 LEC, 11:00am-11:50am T, H 314, instruction mode: Classroom; Weidner, Robert R, 1 cr

4597 Internship
(max crs 8; S-N; prereq Internship coordinator consent, sociology or criminology major, 4587, WRIT 31xx; no grad credit)
61888 001 FWK, 01:00pm-01:50pm M, H 403, 01/26/15-01/26/15, 01:00pm-01:50pm M, H 403, 02/16/15-02/16/15, 01:00pm-01:50pm M, H 403, 04/27/15-04/27/15, instruction mode: Independent/Directed Studies; (Class meets only on the following required dates: January 26, February 16, and April 27, 2015); Weidner, Robert R, 6-8 cr

4860 Environmental Sociology
(A-F only; prereq 90 cr or grad student or instructor consent; meets DLE req of Sustainability)
67821 001 LEC, 02:00pm-03:15pm TTh, Cina 202, instruction mode: Classroom; Gaarder, Emily, 3 cr

4910 Teaching Assistantship in Sociology
(max crs 3; 3 repeats allowed; A-F; prereq 60 cr, instructor consent; no grad credit; maximum 3 credits allowed between SOC 4910, 4997 and CRIM 4397, 4910)
64821 001 FWK, instruction mode: Independent/Directed Studies; Janssen, Susan L, 1-3 cr

4925 Sociology of Rape
(A-F only; prereq 1101 or CRIM 1301 or CSt 1101 or Anth 1604 or WS 1000, 60 cr, or instructor consent)
64820 001 LEC, 12:00pm-01:15pm TTh, Cina 224, instruction mode: Classroom; Buffington-Vollum, Jacqueline, 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 instructor consent)
64444 001 LEC, 09:30am-10:45am TTh, Cina 224, instruction mode: Classroom; Gaarder, Emily, 3 cr

tion mode: Classroom; Gaarder, Emily, 3 cr

4949 Race and Ethnic Relations
(A-F only; prereq 1101 or CRIM 1301 or CSt 1101 or Anth 1604, 60 cr, or instructor consent)
68673 001 LEC, 03:00pm-05:50pm T, ChPlz 122, instruction mode: Classroom; Grana, Sheryl Judith, 3 cr

4985 Critical Animal Studies
(Credit will not be granted if credit has been received for: CST 4985; A-F only; prereq minimum 90 credits or instructor consent; no grad credit)
68581 001 LEC, 04:00pm-07:40pm T, KPlz 311, instruction mode: Classroom; Edminster, Avigdor A N, 4 cr

4991 Independent Study in Sociology
(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent; maximum 6 credits allowed between SOC 4991 and CRIM 4391)
62366 001 IND, instruction mode: Independent/Directed Studies; Arthur, John A, 1-6 cr
67822 002 IND, instruction mode: Independent/Directed Studies; Wilson, Janelle L, 1-6 cr

4999 Honors Project Sociology
(max crs 8; A-F only; prereq 90 cr, approval by dept honors program director; no grad credit; maximum 8 credits allowed between SOC 4999 and CRIM 4399; meets HON req of Honors)
62367 001 IND, instruction mode: Independent/Directed Studies; 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/languages/Spanish.php>

College of Liberal Arts

1101 Beginning Spanish I
(A-F only; prereq Little or no prior formal study of this language, or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)
65321 001 LEC, 03:00pm-03:50pm MTWTh, H 490, instruction mode: Classroom; Gomez Menjivar, Jennifer Carolina, 4 cr
67076 002 LEC, 09:00am-09:50am MTThF, EduE 50, instruction mode: Classroom, 4 cr
67077 003 LEC, 01:00pm-01:50pm MTThF, H 490, instruction mode: Classroom, 4 cr

1102 Beginning Spanish II
(A-F only; prereq 1-2 yrs high school Span or 1101 or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3)
61856 001 LEC, 02:00pm-02:50pm MTThF, SCC 21, instruction mode: Classroom; , 4 cr
65318 002 LEC, 11:00am-11:50am MTThF, Cina 202, instruction mode: Classroom; Gomez, Milagros, 4 cr
65319 003 LEC, 12:00pm-12:50pm MTThF, H 314, instruction mode: Classroom; Gomez, Milagros, 4 cr

1202 Intermediate Spanish II
(A-F only; prereq 4 yrs high school Span or 1201 or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LEIP req of LEIP CAT03)
61857 001 LEC, 09:00am-09:50am MTThF, EduE 16, instruction mode: Classroom; Snustad, Andrew P, 4 cr
61858 002 LEC, 10:00am-10:50am MTThF, EduE 36, instruction mode: Classroom; Snustad, Andrew P, 4 cr
61859 003 LEC, 11:00am-11:50am MTThF, H 490, instruction mode: Classroom; Snustad, Andrew P, 4 cr

2301 Advanced Spanish
(A-F only; prereq 5 yrs high school Span or 1202 or instructor consent; meets DLE req of Oral Communication & Languages; meets LE req of LE CAT3; meets LEIP req of LEIP CAT03)
64999 001 LEC, 02:00pm-02:50pm MTWTh, EduE 16, instruction mode: Classroom; Tobin Stanley, Maureen, 4 cr
67078 002 LEC, 08:00am-08:50am MTThF, H 490, instruction mode: Classroom, 4 cr

2550 Globalization and Sustainability in Latin America
(A-F only; meets DLE req of Sustainability)
67402 001 LEC, 04:00pm-04:50pm MTWTh, H 490, instruction mode: Classroom; Gomez Menjivar, Jennifer Carolina, 4 cr

3042 Hispanic American Civilization and Culture
(A-F only; prereq 2301 with C or better or instructor consent; offered alternate years; meets DLE req of Global Perspectives; meets DLE req of Humanities)
63408 001 LEC, 09:00am-09:50am MTThF, H 490, instruction mode: Classroom; Gomez, Milagros, 4 cr

3044 Spanish Civilization and Culture
(A-F only; prereq 2301 with C or better or instructor

consent; offered alternate years; meets DLE req of Global Perspectives; meets DLE req of Humanities)
62796 001 LEC, 10:00am-10:50am MTThF, DADB 16A, instruction mode: Classroom; , 4 cr

4028 Literature and Culture of Spain from the 19th Century to the Present
(A-F only; prereq 2301 with C or better or instructor consent, no grad credit; meets DLE req of Humanities)
67080 001 LEC, 08:00am-09:50am MW, H 464, instruction mode: Classroom; Tobin Stanley, Maureen, 4 cr

4091 Independent Study
(max crs 8; 8 repeats allowed; A-F; prereq 2301 with C or better, instructor consent; no grad credit)
63407 001 IND, instruction mode: Independent/Directed Studies; Arrange with instructor prior to registration.; Tobin Stanley, Maureen, 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 CAT8; meets LECD req of LECD CAT08)
62310 001 LEC, 02:00pm-03:15pm TTh, MonH 203, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Grocke, Adrea, 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 unified early childhood studies major or instructor consent)
63371 001 LEC, 02:00pm-03:15pm TTh, EduE 40, instruction mode: Partially Online; Additional course hours will be required in an online learning environment.; Bouchie, Jennifer A, 4 cr

3415 Special Education in the Secondary School
(A-F; \$43.75 course fee in addition to tuition)
63709 001 LEC, 10:00am-10:50am MWF, BohH 108, instruction mode: Partially Online; Additional course hours will be required in an online learning environment.; Murzyn, Amy Lee, 3 cr
63710 002 LEC, 01:00pm-01:50pm MWF, MonH 121, instruction mode: Partially Online; Additional course hours will be required in an online learning environment.; Murzyn, Amy Lee, 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 credit; \$30.00 course fee in addition to tuition; \$43.75 course fee in addition to tuition)
63277 001 LEC, 05:00pm-08:00pm M, MonH 151, instruction mode: Classroom; meets with SpEd 5204; practicum arr; Meets with: 63278 SPED 5204; Dietrich, Jane Ellen; Strand, Joyce, 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 4250 or 5250 and 4270 or 5270; no grad credit)
65012 001 LEC, instruction mode: Correspondence; This course meets in an online learning environment; Meets with SpEd 5260-1; Meets with: 65016 SPED 5260; Bouchie, Jennifer A, 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; \$43.75 course fee in addition to tuition)
62813 001 LEC, 09:30am-11:50am TTh, Room TBA, DULUTH, instruction mode: Classroom; Grocke, Adrea, 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 credit; \$43.75 course fee in addition to tuition)
64348 001 LEC, 05:15pm-08:00pm Th, MonH 151, instruction mode: Classroom; Course meets with SpEd 5381-001; practicum arr; Meets with: 64349 SPED 5381; Corbett, Dan; Murzyn, Amy Lee, 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 credit; \$43.75 course fee in addition to tuition)

65014 001 LEC, instruction mode: Correspondence; This course meets in an online learning environment; meets with SpEd 5433-1.; Meets with: 65017 SPED 5433; 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 instructor consent, no grad credit)

62894 001 LEC, 08:00am-12:00pm S, MonH 151, 01/24/15-01/24/15, 08:00am-12:00pm S, MonH 151, 02/07/15-02/07/15, 08:00am-12:00pm S, MonH 151, 03/07/15-03/07/15, 08:00am-12:00pm S, MonH 151, 04/11/15-04/11/15, 08:00am-12:00pm S, MonH 151, 05/02/15-05/02/15, instruction mode: Partially Online; Course meets Saturday, Jan. 24, Feb. 7, Mar. 7, Apr. 11, May 2, 2015, with remaining course hours required in an online learning environment; Meets with SpEd 5435-001.; Meets with: 62393 SPED 5435; Grocke, Adrea, 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 instructor consent; \$43.75 course fee in addition to tuition)

63597 001 LEC, 05:00pm-08:00pm T, MonH 151, instruction mode: Partially Online; Additional course hours will be required in an online learning environment; practicum arr; meets with SpEd 5452.; Meets with: 63598 SPED 5452; Nierengarten EdD, Gerry, 4 cr

4455 Transitional Planning for Adolescents with Disabilities

(Credit will not be granted if credit has been received for: SPED 5455; A-F only; prereq 4433, postbac or instructor consent, no grad credit)

65020 001 LEC, instruction mode: Correspondence; Course meets in an online learning environment; meets with SpEd 5455-1.; Meets with: 65023 SPED 5455; Strand, Joyce, 4 cr

4585 Individual Education Plans: Development and Implementation

(Credit will not be granted if credit has been received for: SPED 5585; A-F only; prereq 4433 and 4204, no grad credit)

65021 001 LEC, 05:00pm-07:30pm M, BohH 108, instruction mode: Classroom; Course meets with SpEd 5585-1.; Meets with: 65024 SPED 5585; Murzyn, Amy Lee, 3 cr

4600 Student Teaching

(max crs 12; S-N only; prereq Postbac or instructor consent, no grad credit; \$43.75 course fee in addition to tuition)

62895 001 FWK, instruction mode: Independent/Directed Studies; , 12 cr
 62995 002 FWK, instruction mode: Independent/Directed Studies; , 12 cr
 62996 003 FWK, instruction mode: Independent/Directed Studies; , 6 cr
 63104 004 FWK, instruction mode: Independent/Directed Studies; , 6 cr
 63105 005 FWK, instruction mode: Independent/Directed Studies; , 6 cr
 63106 006 FWK, instruction mode: Independent/Directed Studies; , 6 cr
 63107 007 FWK, instruction mode: Independent/Directed Studies; , 3 cr
 63110 008 FWK, instruction mode: Independent/Directed Studies; , 3 cr

4610 Professional Issues

(S-N only; prereq No grad credit)

63982 001 LEC, 09:00am-01:00pm S, MonH 121, 04/11/15-04/11/15, 09:00am-01:00pm S, MonH 121, 04/18/15-04/18/15, 09:00am-01:00pm S, MonH 121, 04/25/15-04/25/15, 09:00am-01:00pm S, MonH 121, 05/02/15-05/02/15, instruction mode: Partially Online; Course will meet on Saturday, Apr. 11, Apr. 18, Apr. 25, and May 2, 2015, with remaining course hours required in an online learning environment.; Bouchie, Jennifer A, 1 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; \$30.00 course fee in addition to tuition)

63278 001 LEC, 05:00pm-08:00pm M, MonH 151, instruction mode: Classroom; meets with SpEd 4204; practicum arr; Meets with: 63277 SPED 4204; Dietrich, Jane Ellen; Strand, Joyce, 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; prereq 4250 or 5250 and 4270 or

5270)

65016 001 LEC, instruction mode: Correspondence; Course meets in an online learning environment; meets with SpEd 4260-1.; Meets with: 65012 SPED 4260; Bouchie, Jennifer A, 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; \$43.75 course fee in addition to tuition)

64349 001 LEC, 05:15pm-08:00pm Th, MonH 151, instruction mode: Classroom; Course meets with SpEd 4381-001; practicum arr; Meets with: 64348 SPED 4381; Corbett, Dan; Murzyn, Amy Lee, 4 cr

5433 Foundations in Special Education

(Credit will not be granted if credit has been received for: SPED 4433; prereq Postbac grad student; \$43.75 course fee in addition to tuition)

65017 001 LEC, instruction mode: Correspondence; Course meets in an online learning environment; meets with SpEd 4433-1.; Meets with: 65014 SPED 4433; 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 instructor consent)

62393 001 LEC, 08:00am-12:00pm S, MonH 151, 01/24/15-01/24/15, 08:00am-12:00pm S, MonH 151, 02/07/15-02/07/15, 08:00am-12:00pm S, MonH 151, 03/07/15-03/07/15, 08:00am-12:00pm S, MonH 151, 04/11/15-04/11/15, 08:00am-12:00pm S, MonH 151, 05/02/15-05/02/15, instruction mode: Partially Online; Course meets Saturday, Jan. 24, Feb. 7, Mar. 7, Apr. 11, May 2, 2015, with remaining course hours required in an online learning environment; Meets with SpEd 4435-001.; Meets with: 62894 SPED 4435; Grocke, Adrea, 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 instructor consent; \$43.75 course fee in addition to tuition)

63598 001 LEC, 05:00pm-08:00pm T, MonH 151, instruction mode: Classroom; meets with SpEd 4452; practicum arr.; Meets with: 63597 SPED 4452; Nierengarten EdD, Gerry, 4 cr

5455 Transitional Planning for Adolescents With Disabilities

(Credit will not be granted if credit has been received for: SPED 4455; A-F only; prereq 5433 or 4433, postbac grad or instructor consent)

65023 001 LEC, instruction mode: Correspondence; Course meets in an online learning environment; meets with SpEd 4455-1.; Meets with: 65020 SPED 4455; Strand, Joyce, 4 cr

5585 Individual Education Plans: Development and Implementation

(Credit will not be granted if credit has been received for: SPED 4585; A-F only)

65024 001 LEC, 05:00pm-07:30pm M, BohH 108, instruction mode: Classroom; Course meets with SpEd 4585-1.; Meets with: 65021 SPED 4585; Murzyn, Amy Lee, 3 cr

5600 Student Teaching

(max crs 12; 12 repeats allowed; S-N only; prereq instructor consent; \$43.75 course fee in addition to tuition)

62316 001 FWK, instruction mode: Classroom, 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 department approval; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)

62135 001 LEC, 10:00am-10:50am MWF, Cina 202, instruction mode: Classroom; Kohn, Jennifer A, 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 department approval; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2)

64268 001 LEC, 10:00am-10:50am MWF, MonH 203, instruction mode: Classroom; Duan, Mingqian, 3 cr

63559 002 LEC, 12:00pm-12:50pm MWF, Cina 102, instruction mode: Classroom; Duan, Mingqian, 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)

63231 001 LEC, 10:00am-10:50am MWF, Room TBA, DULUTH, instruction mode: Classroom; Gui, Wenhao, 3 cr

63451 002 LEC, 11:00am-11:50am MWF, EduE 17, instruction mode: Classroom; Kohn, Jennifer A, 3 cr

64269 003 LEC, 02:00pm-02:50pm MWF, Cina 308, instruction mode: Classroom; Bibelnieks, Tracy, 3 cr

3611 Introduction to Probability and Statistics

(A-F only; prereq A grade of at least C- in Math 1290 or Math 1296)

62137 001 LEC, 09:00am-09:50am MWThF, Chem 251, instruction mode: Classroom; Duan, Mingqian, 4 cr

62138 002 LEC, 10:00am-10:50am MWThF, Room TBA, DULUTH, instruction mode: Classroom; Li, Yang, 4 cr

62139 003 LEC, 11:00am-11:50am MWThF, EduE 32, instruction mode: Classroom; Chiou, Steven, 4 cr

3612 Introduction to Probability and Statistics II

(A-F only; prereq 3611 and Math 1297 or equivalent)

65313 001 LEC, 09:00am-09:50am MWF, EduE 36, instruction mode: Classroom; Li, Xuan, 3 cr

4060 Introduction to Biostatistics

(A-F only; prereq Math 1290 or 1296 or 1596 and STAT 2411 or 3411 or 3611 with grade of C- or better or consent of instructor.)

65236 001 LEC, 10:00am-10:50am MWF, Room TBA, DULUTH, instruction mode: Classroom; Chiou, Steven, 3 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 credit)

63909 001 LEC, 12:00pm-01:50pm T, BohH 343, instruction mode: Classroom; Chiou, Steven, 1 cr

5511 Regression Analysis

(A-F only; prereq 3611, Math 3280 or Math 4326, a grade of C- or better is required in all prerequisite courses)

001 LEC, 12:00pm-12:50pm MW, SCC 21, instruction mode: Classroom; Li, Xuan

62145 002 LAB, 12:00pm-12:50pm F, MonH 209, instruction mode: Classroom; , 3 cr

5521 Applied Time Series Analysis

(A-F only; prereq Math 3280, Stat 3612 or 5511 or instructor consent)

65316 001 LEC, 10:00am-10:50am MWF, Room TBA, DULUTH, instruction mode: Classroom; Qi, Yongcheng, 3 cr

5531 Probability Models

(A-F only; prereq 3611, Math 1297 or Math 1597, a grade of C- or better is required in all prerequisite courses)

62147 001 LEC, 11:00am-11:50am MWThF, EduE 36, instruction mode: Classroom; James, Barry R, 4 cr

5571 Probability

(A-F only; prereq 3611, Math 3298, a grade of C- or better is required in all prerequisite courses)

64206 001 LEC, 01:00pm-01:50pm MWThF, EduE 36, instruction mode: Classroom; Li, Xuan, 4 cr

5572 Statistical Inference

(A-F only; prereq 5571 with a grade of C- or better)

62146 001 LEC, 01:00pm-01:50pm MWThF, EduE 32, instruction mode: Classroom; Qi, Yongcheng, 4 cr

8711 Statistics Seminar

(S-N only; prereq 5572 with a grade of C- or better)

63142 001 LEC, 02:00pm-02:50pm MWF, BohH 346, instruction mode: Classroom; James, Kang Ling, 3 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/>

UMD-Academic Affairs

1052 College Writing Strategies

(Credit will not be granted if credit has been received for: MED 1004; A-F; prereq credit will not be granted if already received for WRIT 1120)

62797 001 LEC, 11:00am-12:50pm W, KAML 119, instruction mode: Classroom; Eidsmo, Patrick, 2 cr

1054 Learning Strategies

(max crs 2; A-F)

001 LEC, 09:00am-09:50am MF, KAML 119, 01/20/15-03/13/15, instruction mode: Classroom; Eidsmo, Patrick

62051 002 DIS, 09:00am-09:50am W, ABAH 425, 01/20/15-03/13/15, instruction mode: Classroom; Eidsmo, Patrick, 1-2 cr

62052 003 DIS, 09:00am-09:50am W, SCC 6, 01/20/15-03/13/15, instruction mode: Classroom; Eidsmo, Patrick, 1-2 cr

62053 004 DIS, 09:00am-09:50am W, KAML 119, 01/20/15-03/13/15, instruction mode: Classroom; Eidsmo, Patrick, 1-2 cr

1101 Personal Development

(A-F only)
001 LEC, 01:00pm-01:50pm T, KAML 119, instruction mode: Classroom; Strand, Jill R
62799 002 DIS, 01:00pm-01:50pm Th, KAML 119, instruction mode: Classroom; Strand, Jill R, 2 cr
62800 003 DIS, 01:00pm-01:50pm Th, SpHC 210, instruction mode: Classroom; Strand, Jill R, 2 cr
62801 004 DIS, 01:00pm-01:50pm Th, KAML 409, instruction mode: Classroom; Strand, Jill R, 2 cr
62802 005 DIS, 01:00pm-01:50pm Th, SCC 6, instruction mode: Classroom; Strand, Jill R, 2 cr

3001 Preparation for SSP Teaching Assistantship

(max crs 6; 3 repeats allowed; prereq instructor consent)
61869 001 LEC, 09:00am-09:50am TTh, KAML 119, instruction mode: Classroom; (TA training for SSP 1054 and 1101); Jackson, Matthew; Strand, Jill R, 1-3 cr
65455 002 LEC, instruction mode: Correspondence; Tour Guide Training; Fasteland, Marti, 1-3 cr

3002 SSP Teaching Assistantship Practicum

(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent)
62504 001 FWK, instruction mode: Independent/Directed Studies; (Study Strategies); Eidsmo, Patrick, 1-3 cr
62505 002 FWK, instruction mode: Independent/Directed Studies; (Personal Development); Strand, Jill R, 1-3 cr
62548 003 FWK, instruction mode: Independent/Directed Studies; (Supplemental Instruction for Biology); Eidsmo, Patrick, 1-3 cr
62869 004 FWK, instruction mode: Independent/Directed Studies; (Supplemental Instruction); Eidsmo, Patrick, 1-3 cr
65456 005 FWK, instruction mode: Independent/Directed Studies; Tour Guide Practicum; Fasteland, Marti, 1-3 cr

3003 Tutor Training: Individualization of Instruction

(A-F; prereq instructor consent)
62195 001 LEC, 02:00pm-03:50pm T, KAML 119, instruction mode: Classroom; Jackson, Matthew, 2 cr
62196 002 LEC, 02:00pm-03:50pm W, KAML 119, instruction mode: Classroom; Strand, Jill R, 2 cr
64857 003 LEC, 10:00am-11:50am Th, KAML 119, instruction mode: Classroom; Strand, Jill R, 2 cr
67775 004 LEC, 02:00pm-03:50pm Th, KAML 119, instruction mode: Classroom; Eidsmo, Patrick, 2 cr

3004 Tutor Practicum

(max crs 3; 3 repeats allowed; A-F; prereq 3003 or instructor consent)
62181 001 FWK, instruction mode: Independent/Directed Studies; (Global Languages); Strand, Jill R, 1-2 cr
62182 002 FWK, instruction mode: Independent/Directed Studies; (Bus/Econ/Acct); Strand, Jill R, 1-2 cr
62183 003 FWK, instruction mode: Independent/Directed Studies; (Chemistry); Strand, Jill R, 1-2 cr
62184 004 FWK, instruction mode: Independent/Directed Studies; (Math); Strand, Jill R, 1-2 cr
67782 005 FWK, instruction mode: Classroom; Physics; Strand, Jill R, 1-2 cr
67779 006 FWK, instruction mode: Classroom; (Writing); Strand, Jill R, 1-2 cr
67780 007 FWK, instruction mode: Classroom; (Computer Science); Strand, Jill R, 1-2 cr
67781 008 FWK, instruction mode: Classroom; (Foundations); Jackson, Matthew, 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)
62705 001 LEC, 11:00am-11:50am MWF, MonH 203, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Grussendorf, Kelly Ann, 3 cr
62986 002 LEC, 01:00pm-01:50pm MWF, MonH 203, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Soleo-Shanks, Jenna, 3 cr

1031 Introduction to Theatrical Design

(A-F only)
67738 001 LEC, 09:00am-09:50am MWF, EduE 40, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved

for University Studies - EXPIRES 13-JAN-2015; Phillips, Curtis J, 3 cr

1051 Introduction to Film

(A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT9)
65116 001 LAB, 02:00pm-03:50pm MW, Chem 150, instruction mode: Classroom; Stanfield, Mark, 3 cr

1071 Musical Theatre History

(A-F only; meets DLE req of Humanities; meets LE req of LE CAT9)
61946 001 LEC, 03:30pm-04:45pm MW, EduE 16, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/14); Katz Harwood, Rebecca, 3 cr

1111 Introduction to Acting

(A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT10)
63387 001 LAB, 10:00am-11:15am MWF, MPAC 21, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Cash, Beth Joy, 3 cr
63388 002 LAB, 10:00am-11:50am TTh, Room TBA, DULUTH, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Soleo-Shanks, Jenna, 3 cr

1112 Acting I

(A-F only; prereq 1001 or 1801 or BFA Th major or instructor consent)
61947 001 LAB, 02:00pm-03:15pm MWF, MPAC 155, instruction mode: Classroom; Grussendorf, Kelly Ann, 3 cr
61948 002 LAB, 10:00am-11:50am TTh, MPAC 155, instruction mode: Classroom; Grussendorf, Kelly Ann, 3 cr

1116 Audition Techniques

(A-F only; prereq instructor consent)
61952 001 LAB, 12:00pm-01:15pm MWF, MPAC 155, instruction mode: Classroom; Bergeron, Ann Aiko, 3 cr
61953 002 LAB, 02:00pm-03:50pm TTh, MPAC 155, instruction mode: Classroom; Bergeron, Ann Aiko, 3 cr

1199 Performance Practicum I

(max crs 12; 12 repeats allowed; A-F only; prereq instructor consent; by audition only; meets LE req of LE CAT10)
67715 001 LAB, instruction mode: Classroom; Soleo-Shanks, Jenna; Katz Harwood, Rebecca, 1 cr

1299 Theatre Marketing/Management Practicum

(max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)
65419 001 LAB, 10:00am-12:00pm MWF, . TBA, instruction mode: Classroom; Carlson, Kendra Marie, 2 cr
65420 002 LAB, 12:00pm-02:00pm MWF, . TBA, instruction mode: Classroom; Carlson, Kendra Marie, 2 cr
65421 003 LAB, 10:00am-01:00pm TTh, . TBA, instruction mode: Classroom; Carlson, Kendra Marie, 2 cr

1301 Stagecraft

(A-F only; prereq 1001 or 1801 or instructor consent)
001 LEC, 09:00am-09:50am MWF, MPAC 51, instruction mode: Classroom; (Practicum arr); Boyle, Scott M
62926 002 LAB, 02:00pm-04:50pm MW, . TBA, instruction mode: Classroom; Meets in MPAC 130; Shanks, Samuel, 5 cr
62928 003 LAB, 02:00pm-04:50pm TTh, . TBA, instruction mode: Classroom; Meets in MPAC 130; Shanks, Samuel, 5 cr
64611 004 LAB, 02:00pm-04:50pm WF, . TBA, instruction mode: Classroom; Meets in MPAC 130; Shanks, Samuel, 5 cr
64614 005 LAB, 02:00pm-04:50pm MF, . TBA, instruction mode: Classroom; Meets in MPAC 130; Shanks, Samuel, 5 cr

1399 Scenery and Properties Practicum

(max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)
63001 001 LAB, instruction mode: Classroom; Phillips, Curtis J, 2 cr

1401 Costume Construction I

(A-F only; prereq 1001 or 1801 or instructor consent)
001 LEC, 09:00am-09:50am MWF, MPAC 30, instruction mode: Classroom; (Practicum arr); Piotrowski, Laura Kay
62930 002 LAB, 10:00am-11:50am MWF, MPAC 30, instruction mode: Classroom; Bias, Kelsie Ann, 5 cr
62931 003 LAB, 01:00pm-02:50pm MWF, MPAC 30, instruction mode: Classroom; Bias, Kelsie Ann, 5 cr
62932 004 LAB, 03:00pm-04:50pm MWF, MPAC 30, instruction mode: Classroom; Bias, Kelsie Ann, 5 cr
62933 005 LAB, 10:00am-12:50pm TTh, MPAC 30, instruction mode: Classroom; Bias, Kelsie Ann, 5 cr
62987 006 LAB, 02:00pm-04:50pm TTh, MPAC 30, instruc-

tion mode: Classroom; Bias, Kelsie Ann, 5 cr

1499 Costume Practicum

(max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)
63009 001 LAB, instruction mode: Classroom; Dennis, Patricia, 2 cr

1599 Lighting/Sound Practicum

(max crs 3; 3 repeats allowed; A-F only; prereq Th major or minor)
63002 001 LAB, instruction mode: Classroom; Eischen, James J, 1 cr

1601 Stage Management

(A-F only)
63302 001 LEC, 12:00pm-12:50pm MWF, EduE 40, instruction mode: Classroom; Harvey, Mark A, 3 cr

1699 Running Crew Practicum

(max crs 6; 3 repeats allowed; A-F only; prereq instructor consent)
63008 001 LAB, instruction mode: Classroom; Harvey, Mark A, 2 cr

2113 Acting III: Classical Styles

(A-F only; prereq 2112 or instructor consent)
62512 001 LAB, 10:00am-11:15am MWF, MPAC 155, instruction mode: Classroom; Isbell, Tom K, 3 cr

2114 Acting: Musical Theatre

(A-F only; prereq instructor consent)
62166 001 LAB, 03:00pm-04:15pm MWF, MPAC 49, instruction mode: Classroom; Ufema, Kate, 3 cr

2119 Stage Dialects

(A-F only; prereq instructor consent)
62817 001 LAB, 12:00pm-01:15pm MWF, MPAC 49, instruction mode: Classroom; Ufema, Kate, 3 cr

2399 Production Practicum II

(max crs 2; A-F only; prereq 1301 or 1401, instructor consent)
67729 001 LAB, instruction mode: Classroom; Harvey, Mark A, 1 cr

2400 Survey of the History of Costume

(A-F only)
67735 001 LEC, 01:00pm-02:15pm MW, MPAC 51, instruction mode: Classroom; Dennis, Patricia, 3 cr

2851 Film History

(A-F; prereq soph or instructor consent)
63170 001 LEC, 11:00am-12:50pm MW, H 403, instruction mode: Classroom; Stanfield, Mark, 3 cr

3111 Introduction to Scene Study

(A-F only; prereq 1111 or 1112 or instructor consent; not open to BFA th majors)
63303 001 LAB, 12:00pm-01:15pm MWF, MPAC 21, instruction mode: Classroom; Cash, Beth Joy, 3 cr

3171 Acting IV: Character/Masks

(A-F only; prereq 60 cr, BFA Th major, instructor consent)
63426 001 LAB, 02:00pm-03:50pm TTh, MPAC 1, instruction mode: Classroom; 60 cr, BFA Th major, instr consent; Katz Harwood, Rebecca, 3 cr

3199 Performance Practicum II

(max crs 12; 6 repeats allowed; A-F only; prereq instructor consent; by audition only)
64793 001 LAB, instruction mode: Classroom; Ufema, Kate; Soleo-Shanks, Jenna; Katz Harwood, Rebecca, 2 cr

3301 Stagecraft II

(max crs 9; 3 repeats allowed; A-F only; prereq 1301)
65117 001 LAB, 10:00am-11:50am TTh, MPAC 130, instruction mode: Classroom; Boyle, Scott M, 3 cr

3331 Scenic Design I

(A-F only; prereq 1301 or instructor consent)
62063 001 LEC, 12:00pm-01:50pm TTh, MPAC 51, instruction mode: Classroom; Phillips, Curtis J, 3 cr

3351 Theatrical Drafting

(A-F only; prereq 1301)
67737 001 LEC, 10:00am-11:15am MWF, MPAC 51, instruction mode: Classroom; Boyle, Scott M, 3 cr

3355 Computer-Aided Theatrical Design

(A-F only; prereq 1301 or instructor consent)
63298 001 LEC, 02:30pm-03:45pm MWF, MPAC 51, instruction mode: Classroom; Phillips, Curtis J, 3 cr

3375 Mechanical Design for Stage

(A-F only; prereq 1301 or instructor consent)
65360 001 DIS, 11:30am-12:45pm MWF, MPAC 51, instruction mode: Classroom; Boyle, Scott M, 3 cr

3399 Production Practicum III

(max crs 2; A-F only; prereq 1301 or 1401, 2399 and instructor consent)
67731 001 LAB, instruction mode: Classroom; Harvey, Mark

University of Minnesota – Class Schedule for Duluth Campus

Spring 2015

- A, 1 cr
- 3401 Costume Construction II**
(A-F only; prereq 1401 or instructor consent)
63299 001 LEC, 02:00pm-03:50pm TTh, . TBA, instruction mode: Classroom; Dennis, Patricia, 3 cr
- 3441 Costume Design I**
(A-F only; prereq 1401, 1001 or 1801 or instructor consent)
62066 001 LEC, 10:00am-11:50am TTh, MPAC 51, instruction mode: Classroom; Dennis, Patricia, 3 cr
- 3501 Advanced Digital Technology for the Theatre**
(A-F only; prereq 1301 or instructor consent)
64908 001 LAB, 08:30am-09:45am MWF, MPAC 49, instruction mode: Classroom; Class will meet in MPAC 118; Harvey, Mark A, 3 cr
- 3699 Production Management**
(max crs 12; 6 repeats allowed; A-F only; prereq instructor consent)
63003 001 LAB, instruction mode: Classroom; Harvey, Mark A, 2 cr
- 3871 Playwriting**
(A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT9)
63162 001 LEC, 02:00pm-03:15pm MW, EduE 40, instruction mode: Classroom; Isbell, Tom K, 3 cr
- 3991 Independent Study in Theatre**
(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent; undergrads max 6 cr in 3991 and 5991 combined)
62112 001 IND, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-3 cr
- 4171 Acting VI: Acting for the Camera**
(A-F only; prereq 4151 or instructor consent; no grad credit)
63058 001 LAB, 12:00pm-01:50pm TTh, MPAC 155, instruction mode: Classroom; Isbell, Tom K, 3 cr
- 4399 Theatre: Special Projects**
(max crs 12; 12 repeats allowed; A-F only; prereq instructor consent)
62120 001 DIS, instruction mode: Classroom; Harvey, Mark A, 1-2 cr
- 4802 History of the Theatre II**
(A-F only; prereq 4801 or instructor consent)
62121 001 LEC, 10:00am-10:50am MWF, EduE 40, instruction mode: Classroom; Soleo-Shanks, Jenna, 3 cr
- 4901 Intern Teaching in Theatre**
(max crs 9; 3 repeats allowed; A-F only; prereq instructor consent, no grad credit)
62133 001 DIS, instruction mode: Classroom; Harvey, Mark A, 3 cr
- 5991 Independent Study in Theatre**
(max crs 6; 6 repeats allowed; A-F only; prereq Sr, department approval; undergrads max 6 cr in 3991 and 5991 combined)
62134 001 IND, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-3 cr
- 5997 Internship in Professional Theatre**
(max crs 12; 12 repeats allowed; S-N only; prereq department approval; 1 cr for each 45 hrs work)
62136 001 FWK, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-12 cr

- (A-F only; prereq 5011, Chem 4341 or instructor consent)
63212 001 LEC, instruction mode: Classroom; Drewes, Lester R, 3 cr
- 8100 Investigative Toxicology**
(max crs 2; A-F only; prereq 8013 or instructor consent)
63237 001 LEC, instruction mode: Classroom; Drewes, Lester R, 1 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
61851 001 IND, instruction mode: Independent/Directed Studies; Drewes, Lester R, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
62608 001 IND, instruction mode: Independent/Directed Studies; 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 prior to summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))
62615 001 IND, instruction mode: Independent/Directed Studies; 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))
62633 001 IND, instruction mode: Independent/Directed Studies; 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)
62642 001 IND, instruction mode: Independent/Directed Studies; Drewes, Lester R, 1-24 cr

- (NGA; prereq Master's student, adviser and DGS consent)
61852 001 IND, instruction mode: Independent/Directed Studies, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
62609 001 IND, instruction mode: Independent/Directed Studies; , 1 cr
- 8581 Research and Professional Ethics in Water Resources and Environmental Science**
(S-N; prereq Graduate student)
64667 001 LEC, instruction mode: Classroom; Class will meet in SSB 202 or 203; Hicks, Randall E, 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))
62616 001 IND, instruction mode: Independent/Directed Studies; , 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))
62634 001 IND, instruction mode: Independent/Directed Studies; , 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)
62643 001 IND, instruction mode: Independent/Directed Studies; , 1-24 cr

- (A-F only; prereq 1401, 1001 or 1801 or instructor consent)
62066 001 LEC, 10:00am-11:50am TTh, MPAC 51, instruction mode: Classroom; Dennis, Patricia, 3 cr
- 3501 Advanced Digital Technology for the Theatre**
(A-F only; prereq 1301 or instructor consent)
64908 001 LAB, 08:30am-09:45am MWF, MPAC 49, instruction mode: Classroom; Class will meet in MPAC 118; Harvey, Mark A, 3 cr
- 3699 Production Management**
(max crs 12; 6 repeats allowed; A-F only; prereq instructor consent)
63003 001 LAB, instruction mode: Classroom; Harvey, Mark A, 2 cr
- 3871 Playwriting**
(A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT9)
63162 001 LEC, 02:00pm-03:15pm MW, EduE 40, instruction mode: Classroom; Isbell, Tom K, 3 cr
- 3991 Independent Study in Theatre**
(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent; undergrads max 6 cr in 3991 and 5991 combined)
62112 001 IND, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-3 cr
- 4171 Acting VI: Acting for the Camera**
(A-F only; prereq 4151 or instructor consent; no grad credit)
63058 001 LAB, 12:00pm-01:50pm TTh, MPAC 155, instruction mode: Classroom; Isbell, Tom K, 3 cr
- 4399 Theatre: Special Projects**
(max crs 12; 12 repeats allowed; A-F only; prereq instructor consent)
62120 001 DIS, instruction mode: Classroom; Harvey, Mark A, 1-2 cr
- 4802 History of the Theatre II**
(A-F only; prereq 4801 or instructor consent)
62121 001 LEC, 10:00am-10:50am MWF, EduE 40, instruction mode: Classroom; Soleo-Shanks, Jenna, 3 cr
- 4901 Intern Teaching in Theatre**
(max crs 9; 3 repeats allowed; A-F only; prereq instructor consent, no grad credit)
62133 001 DIS, instruction mode: Classroom; Harvey, Mark A, 3 cr
- 5991 Independent Study in Theatre**
(max crs 6; 6 repeats allowed; A-F only; prereq Sr, department approval; undergrads max 6 cr in 3991 and 5991 combined)
62134 001 IND, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-3 cr
- 5997 Internship in Professional Theatre**
(max crs 12; 12 repeats allowed; S-N only; prereq department approval; 1 cr for each 45 hrs work)
62136 001 FWK, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-12 cr

- (A-F only; prereq 5011, Chem 4341 or instructor consent)
63212 001 LEC, instruction mode: Classroom; Drewes, Lester R, 3 cr
- 8100 Investigative Toxicology**
(max crs 2; A-F only; prereq 8013 or instructor consent)
63237 001 LEC, instruction mode: Classroom; Drewes, Lester R, 1 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
61851 001 IND, instruction mode: Independent/Directed Studies; Drewes, Lester R, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
62608 001 IND, instruction mode: Independent/Directed Studies; 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 prior to summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))
62615 001 IND, instruction mode: Independent/Directed Studies; 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))
62633 001 IND, instruction mode: Independent/Directed Studies; 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)
62642 001 IND, instruction mode: Independent/Directed Studies; Drewes, Lester R, 1-24 cr

- (NGA; prereq Master's student, adviser and DGS consent)
61852 001 IND, instruction mode: Independent/Directed Studies, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
62609 001 IND, instruction mode: Independent/Directed Studies; , 1 cr
- 8581 Research and Professional Ethics in Water Resources and Environmental Science**
(S-N; prereq Graduate student)
64667 001 LEC, instruction mode: Classroom; Class will meet in SSB 202 or 203; Hicks, Randall E, 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))
62616 001 IND, instruction mode: Independent/Directed Studies; , 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))
62634 001 IND, instruction mode: Independent/Directed Studies; , 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)
62643 001 IND, instruction mode: Independent/Directed Studies; , 1-24 cr

- (A-F only; prereq 1401, 1001 or 1801 or instructor consent)
62066 001 LEC, 10:00am-11:50am TTh, MPAC 51, instruction mode: Classroom; Dennis, Patricia, 3 cr
- 3501 Advanced Digital Technology for the Theatre**
(A-F only; prereq 1301 or instructor consent)
64908 001 LAB, 08:30am-09:45am MWF, MPAC 49, instruction mode: Classroom; Class will meet in MPAC 118; Harvey, Mark A, 3 cr
- 3699 Production Management**
(max crs 12; 6 repeats allowed; A-F only; prereq instructor consent)
63003 001 LAB, instruction mode: Classroom; Harvey, Mark A, 2 cr
- 3871 Playwriting**
(A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT9)
63162 001 LEC, 02:00pm-03:15pm MW, EduE 40, instruction mode: Classroom; Isbell, Tom K, 3 cr
- 3991 Independent Study in Theatre**
(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent; undergrads max 6 cr in 3991 and 5991 combined)
62112 001 IND, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-3 cr
- 4171 Acting VI: Acting for the Camera**
(A-F only; prereq 4151 or instructor consent; no grad credit)
63058 001 LAB, 12:00pm-01:50pm TTh, MPAC 155, instruction mode: Classroom; Isbell, Tom K, 3 cr
- 4399 Theatre: Special Projects**
(max crs 12; 12 repeats allowed; A-F only; prereq instructor consent)
62120 001 DIS, instruction mode: Classroom; Harvey, Mark A, 1-2 cr
- 4802 History of the Theatre II**
(A-F only; prereq 4801 or instructor consent)
62121 001 LEC, 10:00am-10:50am MWF, EduE 40, instruction mode: Classroom; Soleo-Shanks, Jenna, 3 cr
- 4901 Intern Teaching in Theatre**
(max crs 9; 3 repeats allowed; A-F only; prereq instructor consent, no grad credit)
62133 001 DIS, instruction mode: Classroom; Harvey, Mark A, 3 cr
- 5991 Independent Study in Theatre**
(max crs 6; 6 repeats allowed; A-F only; prereq Sr, department approval; undergrads max 6 cr in 3991 and 5991 combined)
62134 001 IND, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-3 cr
- 5997 Internship in Professional Theatre**
(max crs 12; 12 repeats allowed; S-N only; prereq department approval; 1 cr for each 45 hrs work)
62136 001 FWK, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-12 cr

UNIVERSITY STUDIES (University)

UMD-Academic Affairs

- 1000 UMD Seminar**
(max crs 2; A-F only)
61867 001 LEC, 01:00pm-01:50pm MW, SCC 21, 01/20/15-03/13/15, instruction mode: Classroom; Hueffmeier, Ryan Michael, 1-2 cr
61868 002 LEC, 03:00pm-03:50pm T, BohH 343, instruction mode: Classroom; Mentzel, Gail, 1-2 cr
63113 003 LEC, 10:00am-10:50am F, MonH 206, instruction mode: Classroom; Eidsmo, Patrick, 1-2 cr
63609 004 LEC, 11:00am-11:50am TTh, KPiz 385, 01/20/15-03/13/15, instruction mode: Classroom; Transfer Students only; White, Tory, 1-2 cr

- (A-F only; prereq 1401, 1001 or 1801 or instructor consent)
62066 001 LEC, 10:00am-11:50am TTh, MPAC 51, instruction mode: Classroom; Dennis, Patricia, 3 cr
- 3501 Advanced Digital Technology for the Theatre**
(A-F only; prereq 1301 or instructor consent)
64908 001 LAB, 08:30am-09:45am MWF, MPAC 49, instruction mode: Classroom; Class will meet in MPAC 118; Harvey, Mark A, 3 cr
- 3699 Production Management**
(max crs 12; 6 repeats allowed; A-F only; prereq instructor consent)
63003 001 LAB, instruction mode: Classroom; Harvey, Mark A, 2 cr
- 3871 Playwriting**
(A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT9)
63162 001 LEC, 02:00pm-03:15pm MW, EduE 40, instruction mode: Classroom; Isbell, Tom K, 3 cr
- 3991 Independent Study in Theatre**
(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent; undergrads max 6 cr in 3991 and 5991 combined)
62112 001 IND, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-3 cr
- 4171 Acting VI: Acting for the Camera**
(A-F only; prereq 4151 or instructor consent; no grad credit)
63058 001 LAB, 12:00pm-01:50pm TTh, MPAC 155, instruction mode: Classroom; Isbell, Tom K, 3 cr
- 4399 Theatre: Special Projects**
(max crs 12; 12 repeats allowed; A-F only; prereq instructor consent)
62120 001 DIS, instruction mode: Classroom; Harvey, Mark A, 1-2 cr
- 4802 History of the Theatre II**
(A-F only; prereq 4801 or instructor consent)
62121 001 LEC, 10:00am-10:50am MWF, EduE 40, instruction mode: Classroom; Soleo-Shanks, Jenna, 3 cr
- 4901 Intern Teaching in Theatre**
(max crs 9; 3 repeats allowed; A-F only; prereq instructor consent, no grad credit)
62133 001 DIS, instruction mode: Classroom; Harvey, Mark A, 3 cr
- 5991 Independent Study in Theatre**
(max crs 6; 6 repeats allowed; A-F only; prereq Sr, department approval; undergrads max 6 cr in 3991 and 5991 combined)
62134 001 IND, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-3 cr
- 5997 Internship in Professional Theatre**
(max crs 12; 12 repeats allowed; S-N only; prereq department approval; 1 cr for each 45 hrs work)
62136 001 FWK, instruction mode: Independent/Directed Studies; Harvey, Mark A, 1-12 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

- 1000 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)
62981 001 LEC, 09:30am-10:45am T, H 480, instruction mode: Partially Online; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Plechner, Deborah Marie, 3 cr
63525 002 LEC, 09:30am-10:45am Th, H 480, instruction mode: Partially Online; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; Plechner, Deborah Marie, 3 cr
63601 003 LEC, 08:00am-09:15am TTh, H 480, instruction mode: Classroom; Ritmeester, Tineke, 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)
62664 001 LEC, 02:00pm-03:15pm TTh, H 480, instruction mode: Classroom; Kamau, Njoki M, 3 cr

3000 Transnational Perspectives on Feminism

- (A-F only; prereq 1000 or 2101 or instructor consent; meets DLE req of Global Perspectives; meets DLE req of Social Sciences)
63424 001 LEC, 03:30pm-04:45pm TTh, H 480, instruction mode: Classroom; Ritmeester, Tineke, 3 cr

3002 Latin American Women: Culture and Politics

- (A-F only; prereq 1000 or 2101 or instructor consent)
66276 001 LEC, 06:00pm-08:50pm T, H 480, instruction mode: Classroom; Woodward, Susana Pelayo, 3 cr

3350 Women and the Law

- (A-F only; meets DLE req of Cultural Diversity in the US)
63268 001 LEC, 02:00pm-03:15pm TTh, Cina 308, instruction mode: Classroom; Plechner, Deborah Marie, 3 cr

3750 Voices of African Women

- (A-F only; meets DLE req of Global Perspectives)
63602 001 LEC, 09:30am-10:45am TTh, H 484, instruction mode: Classroom; Kamau, Njoki M, 3 cr

3891 Independent Study

- (max crs 6; A-F only; prereq 1000 or 2101, instructor consent)
62390 001 IND, instruction mode: Independent/Directed Studies; 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, instructor consent)
62389 001 FWK, instruction mode: Independent/Directed Studies; 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 instructor consent)
61865 001 LEC, 12:00pm-01:40pm TTh, H 480, instruction mode: Classroom; Ritmeester, Tineke, 4 cr
- 5897 Teaching Internship in Women's Studies**
(max crs 4; S-N only; prereq 1000, 2101, 90cr, WS major, instructor consent)
63033 001 FWK, instruction mode: Independent/Directed Studies; Arrange with instructor prior to registration., 1-2 cr
- 5991 Independent Study**
(max crs 4; A-F only; prereq 1000, 3100, 15 cr WS or WS related courses or grad student, instructor consent)
66279 001 IND, instruction mode: Independent/Directed Studies; Arrange with instructor prior to registration.; Ritmeester, Tineke; Kamau, Njoki M; Woodward, Susana Pelayo; Plechner, Deborah Marie, 1-4 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; \$71.75 course fee in addition to tuition)
001 LEC, 08:00am-08:50am WF, MonH 208, instruction mode: Classroom
61743 002 LAB, 08:00am-08:50am M, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
003 LEC, 08:00am-08:50am MF, KPlz 385, instruction mode: Classroom
61745 004 LAB, 08:00am-08:50am W, H 470, instruction mode: Classroom; , 3 cr
005 LEC, 08:00am-08:50am MW, SpHC 210, instruction mode: Classroom
61747 006 LAB, 08:00am-08:50am F, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/2015); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
007 LEC, 08:00am-09:15am Th, LSBE 165, instruction mode: Classroom
61749 008 LAB, 08:00am-09:15am T, H 470, instruction mode: Classroom; , 3 cr
009 LEC, 08:00am-09:15am T, LSBE 165, instruction mode: Classroom
61751 010 LAB, 08:00am-09:15am Th, H 470, instruction mode: Classroom; , 3 cr
011 LEC, 09:00am-09:50am WF, LSBE 265, instruction mode: Classroom
61830 012 LAB, 09:00am-09:50am M, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
013 LEC, 09:00am-09:50am MF, ABAH 425, instruction mode: Classroom
61753 014 LAB, 09:00am-09:50am W, H 470, instruction mode: Classroom; , 3 cr
015 LEC, 09:00am-09:50am MW, KPlz 312, instruction mode: Classroom
61755 016 LAB, 09:00am-09:50am F, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/2014); , 3 cr
017 LEC, 09:30am-10:45am Th, SCC 120, instruction mode: Classroom
61757 018 LAB, 09:30am-10:45am T, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
019 LEC, 09:30am-10:45am T, ABAH 445, instruction mode: Classroom
61759 020 LAB, 09:30am-10:45am Th, H 470, instruction mode: Classroom; Reserved for non-native speakers of English.; , 3 cr
021 LEC, 10:00am-10:50am W, EduE 36, 10:00am-10:50am F, EduE 20, instruction mode: Classroom
61761 022 LAB, 10:00am-10:50am M, H 470, instruction

- mode: Classroom; (Open UST reserved seats will be available to all students on 01/14/14).; , 3 cr
023 LEC, 10:00am-10:50am MF, H 484, instruction mode: Classroom
61763 024 LAB, 10:00am-10:50am W, H 470, instruction mode: Classroom; , 3 cr
025 LEC, 10:00am-10:50am MW, LSBE 233, instruction mode: Classroom
61765 026 LAB, 10:00am-10:50am F, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
027 LEC, 11:00am-11:50am WF, BohH 104, instruction mode: Classroom
61767 028 LAB, 11:00am-11:50am M, H 470, instruction mode: Classroom; , 3 cr
029 LEC, 11:00am-11:50am MF, LSBE 265, instruction mode: Classroom
61769 030 LAB, 11:00am-11:50am W, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
031 LEC, 11:00am-11:50am MW, LSBE 165, instruction mode: Classroom
61771 032 LAB, 11:00am-11:50am F, H 470, instruction mode: Classroom; , 3 cr
033 LEC, 12:00pm-12:50pm WF, LSBE 165, instruction mode: Classroom
61773 034 LAB, 12:00pm-12:50pm M, H 470, instruction mode: Classroom; , 3 cr
035 LEC, 12:00pm-12:50pm MF, MonH 208, instruction mode: Classroom
61775 036 LAB, 12:00pm-12:50pm W, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
037 LEC, 12:00pm-12:50pm MW, SpHC 208, instruction mode: Classroom
61777 038 LAB, 12:00pm-12:50pm F, H 470, instruction mode: Classroom; , 3 cr
039 LEC, 01:00pm-01:50pm WF, LSBE 265, instruction mode: Classroom
61779 040 LAB, 01:00pm-01:50pm M, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15); 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
041 LEC, 01:00pm-01:50pm MF, LSBE 165, instruction mode: Classroom
61781 042 LAB, 01:00pm-01:50pm W, H 470, instruction mode: Classroom; , 3 cr
043 LEC, 01:00pm-01:50pm MW, MonH 208, instruction mode: Classroom
61783 044 LAB, 01:00pm-01:50pm F, H 470, instruction mode: Classroom; , 3 cr
045 LEC, 02:00pm-02:50pm WF, LSBE 165, instruction mode: Classroom
61785 046 LAB, 02:00pm-02:50pm M, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15).; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
047 LEC, 02:00pm-02:50pm MF, LSBE 265, instruction mode: Classroom
61787 048 LAB, 02:00pm-02:50pm W, H 470, instruction mode: Classroom; , 3 cr
049 LEC, 02:00pm-02:50pm MW, MonH 208, instruction mode: Classroom
61789 050 LAB, 02:00pm-02:50pm F, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15).; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
051 LEC, 02:00pm-03:15pm Th, Room TBA, DULUTH, instruction mode: Classroom
61791 052 LAB, 02:00pm-03:15pm T, H 470, instruction mode: Classroom; , 3 cr
053 LEC, 02:00pm-03:15pm T, Sciv 265, instruction mode: Classroom
61814 054 LAB, 02:00pm-03:15pm Th, H 470, instruction mode: Classroom; , 3 cr
055 LEC, 03:00pm-03:50pm WF, LSBE 265, instruction mode: Classroom
61816 056 LAB, 03:00pm-03:50pm M, H 470, instruction mode: Classroom; , 3 cr
057 LEC, 03:00pm-03:50pm MW, Cina 106, instruction mode: Classroom
61818 058 LAB, 03:00pm-03:50pm F, H 470, instruction mode: Classroom; , 3 cr
059 LEC, 03:30pm-04:45pm Th, LSBE 265, instruction mode: Classroom
61820 060 LAB, 03:30pm-04:45pm T, H 470, instruction mode: Classroom; (Open UST reserved seats will be available to all students on 01/13/15).; 1 seat reserved for University Studies - EXPIRES 13-JAN-2015; , 3 cr
061 LEC, 03:30pm-04:45pm T, LSBE 265, instruction mode: Classroom
61822 062 LAB, 03:30pm-04:45pm Th, H 470, instruction

- mode: Classroom; , 3 cr
063 LEC, instruction mode: Classroom
61824 064 LAB, instruction mode: Classroom; Reserved for non-native speakers of English. (Open UST reserved seats will be available to all students on 01/14/14)., 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)
61832 001 LEC, 01:00pm-01:50pm MWF, KPlz 385, instruction mode: Classroom; 10 seats reserved for Writing Studies Major; , 3 cr
- 2506 Introduction to Writing Studies**
(A-F only; prereq 1120)
63802 001 DIS, 11:00am-11:50am MWF, MonH 208, instruction mode: Classroom; 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)
61828 001 LEC, 03:30pm-04:45pm TTh, MonH 208, instruction mode: Classroom; , 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)
61792 001 LEC, 08:00am-08:50am MWF, H 403, instruction mode: Classroom; , 3 cr
61793 002 LEC, 09:00am-09:50am MWF, LSBE 165, instruction mode: Classroom; , 3 cr
64262 003 LEC, 04:00pm-05:15pm MW, H 480, instruction mode: Classroom; , 3 cr
65159 004 LEC, instruction mode: Correspondence; A minimum GPA of 2.5 is required for enrollment into online Advanced Writing classes. Please add your name to the wait list to be considered for enrollment.; , 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)
61810 001 LEC, 08:00am-08:50am MWF, H 484, instruction mode: Classroom; , 3 cr
61811 002 LEC, 10:00am-10:50am MWF, MonH 208, instruction mode: Classroom; , 3 cr
61812 003 LEC, 02:00pm-02:50pm MWF, H 403, instruction mode: Classroom; , 3 cr
61833 004 LEC, 03:30pm-04:45pm TTh, SpHC 210, instruction mode: Classroom; 25 seats reserved for LSBE students; 25 seats reserved for LSBE Students; , 3 cr
64929 005 LEC, instruction mode: Correspondence; A minimum GPA of 2.5 is required for enrollment into online Advanced Writing classes. Please add your name to the wait list to be considered for enrollment.; , 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)
61794 001 LEC, 08:00am-09:15am TTh, MonH 208, instruction mode: Classroom; Risdon, Kenneth C, 3 cr
64263 002 LEC, 03:00pm-04:15pm MW, SpHC 210, instruction mode: Classroom; , 3 cr
64930 003 LEC, 03:30pm-04:45pm TTh, SpHC 208, instruction mode: Classroom; , 3 cr
64931 004 LEC, instruction mode: Correspondence; A minimum GPA of 2.5 is required for enrollment into online Advanced Writing classes. Please add your name to the wait list to be considered for enrollment.; 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)
61795 001 LEC, 08:00am-08:50am MWF, H 480, instruction mode: Classroom; 20 seats reserved for IESE students; , 3 cr
61796 002 LEC, 08:00am-09:15am TTh, Cina 316, instruction mode: Classroom; 10 seats reserved for UECH students; , 3 cr
61797 003 LEC, 09:00am-09:50am MWF, KPlz 385, instruction mode: Classroom; , 3 cr
61798 004 LEC, 02:00pm-02:50pm MWF, H 484, instruction mode: Classroom; , 3 cr
61799 005 LEC, 02:00pm-03:15pm TTh, LSBE 265, instruction mode: Classroom; , 3 cr
61835 006 LEC, 03:30pm-04:45pm TTh, EduE 36, instruction mode: Classroom; , 3 cr
64932 007 LEC, instruction mode: Correspondence; A minimum GPA of 2.5 is required for enrollment into online Advanced Writing classes. Please add your name to the wait list to be considered for enrollment.; , 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)
61800 001 LEC, 08:00am-08:50am MWF, EduE 50, instruction

- tion mode: Classroom; , 3 cr
 61801 002 LEC, 09:00am-09:50am MWF, H 484, instruction mode: Classroom; , 3 cr
 61831 003 LEC, 09:30am-10:45am TTh, KPlz 385, instruction mode: Classroom; Risdon, Kenneth C, 3 cr
 61834 004 LEC, 01:00pm-01:50pm MWF, Engr 118, instruction mode: Classroom; , 3 cr
 61836 005 LEC, 02:00pm-02:50pm MWF, H 480, instruction mode: Classroom; , 3 cr
 63712 006 LEC, 03:30pm-04:45pm TTh, KPlz 385, instruction mode: Classroom; , 3 cr
 64719 007 LEC, 05:00pm-06:15pm MW, H 484, instruction mode: Classroom; , 3 cr
 64720 008 LEC, 05:00pm-06:15pm TTh, Cina 316, instruction mode: Classroom; , 3 cr
 64933 009 LEC, instruction mode: Correspondence; A minimum GPA of 2.5 is required for enrollment into online Advanced Writing classes. Please add your name to the wait list to be considered for enrollment.; , 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)
 61802 001 LEC, 08:00am-09:15am TTh, LSBE 265, instruction mode: Classroom; , 3 cr
 61803 002 LEC, 09:00am-09:50am MWF, H 480, instruction mode: Classroom; , 3 cr
 61804 003 LEC, 11:00am-11:50am MWF, SpHC 207, instruction mode: Classroom; , 3 cr
 61805 004 LEC, 01:00pm-01:50pm MWF, H 480, instruction mode: Classroom; , 3 cr
 61827 005 LEC, 03:00pm-03:50pm MWF, H 480, instruction mode: Classroom; , 3 cr
 61838 006 LEC, 03:30pm-04:45pm TTh, H 484, instruction mode: Classroom; , 3 cr
 64934 007 LEC, instruction mode: Correspondence; A minimum GPA of 2.5 is required for enrollment into online Advanced Writing classes. Please add your name to the wait list to be considered for enrollment.; , 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 instructor consent, no grad credit)
 63814 001 FWK, instruction mode: Independent/Directed Studies; Hatcher, John, 1-3 cr
- 4200 Writing and Cultures**
 (A-F; prereq 1120, minimum 60 cr)
 63804 001 LEC, 11:00am-11:50am MWF, EduE 20, instruction mode: Classroom; , 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 credit; \$71.75 course fee in addition to tuition)
 63806 001 LEC, 02:00pm-03:15pm TTh, MonH 209, instruction mode: Classroom; Meets with: 63718 WRIT 5250; Wittig, Rob, 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 credit)
 66357 001 LEC, 09:00am-09:50am MWF, Cina 214, instruction mode: Classroom; Meets with: 66358 WRIT 5300; Beard, David Edward, 3 cr
- 4506 Capstone Course: Senior Portfolio Preparation**
 (S-N only; prereq Min 90 cr, writing studies major)
 63803 001 LEC, instruction mode: Classroom, 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 instructor consent, no grad credit)
 64035 001 IND, instruction mode: Independent/Directed Studies; Arrange with instructor prior to registration.; , 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 instructor consent, Coll Grad or Grad student)
 61806 001 FWK, instruction mode: Independent/Directed Studies; Hatcher, John, 1-3 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 student; \$71.75 course fee in addition to tuition)
 63718 001 LEC, 02:00pm-03:15pm TTh, MonH 209, instruction mode: Classroom; Meets with: 63806 WRIT 4250; Wittig, Rob, 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)
- 66358 001 LEC, 09:00am-09:50am MWF, Cina 214, instruction mode: Classroom; Meets with: 66357 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; prereq College grad or grad student, credit will not be granted if already received for Comp 5991, max 3 cr may be applied to Grad prog, instructor consent)
 61807 001 IND, instruction mode: Independent/Directed Studies; Arrange with instructor prior to registration.; , 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, instructor consent)
 61809 001 FWK, instruction mode: Independent/Directed Studies; , 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; instructor consent)
 61808 001 IND, instruction mode: Independent/Directed Studies; , 1-3 cr