

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.

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

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

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

When courses that must be taken in sequence are prerequisites, only the last course of the sequence is listed. When no departmental designation precedes the course number listed as a prerequisite (e.g., "prereq 3221"), that course is in the same department as the course being offered. Likewise, a prerequisite reading "6 cr" means 6 credits in courses offered by the same department. See your college or department for further information.

Departments and colleges may use the registration system to help place certain categories of qualified students into courses or sections on a priority basis (seniors, majors, etc.). If you meet all stated prerequisites for the course, including *This information is accurate as of: 2/16/2005*

class standing, you may also need to meet other qualifications established at the time of registration. For this reason, it is helpful to think about first *and* second course choices.

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

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

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

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

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

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

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

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

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

Example 1

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

Example 2

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

Example 3

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

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

Course Changes—Web course listings (at onestop.umn.edu/schedule/html.dul.html) always contain the most current and accurate information.

ACCOUNTING (Acct)**School of Business & Economics**

- 2001 Principles of Financial Accounting**
(A-F only; prereq min 15 cr or college consent)
- 10425 001 LEC, 08:00am-08:50am MWF, SBE 32; (LSBE students); Meets with: 10426 ACCT 2001; Brannan, Rodger L, 3 cr
- 10426 002 LEC, 08:00am-08:50am MWF, SBE 32; (Non-LSBE students); 1 seat reserved for Continuing Education; Meets with: 10425 ACCT 2001; Brannan, Rodger L, 3 cr
- 10427 003 LEC, 10:00am-10:50am MWF, SBE 32; (LSBE students); Meets with: 10428 ACCT 2001; Brannan, Rodger L, 3 cr
- 10428 004 LEC, 10:00am-10:50am MWF, SBE 32; (Non-LSBE students); Meets with: 10427 ACCT 2001; Brannan, Rodger L, 3 cr
- 10429 005 LEC, 12:00pm-12:50pm MWF, SBE 32; (LSBE students); Meets with: 10430 ACCT 2001; Lin, Jerry W, 3 cr
- 10430 006 LEC, 12:00pm-12:50pm MWF, SBE 32; (Non-LSBE students); 1 seat reserved for Continuing Education; Meets with: 10429 ACCT 2001; Lin, Jerry W, 3 cr
- 11480 007 LEC, 01:00pm-01:50pm MWF, SBE 32; (LSBE students); Meets with: 11481 ACCT 2001; Salmela, Karen Ellen, 3 cr
- 11481 008 LEC, 01:00pm-01:50pm MWF, SBE 32; (Non-LSBE students); Meets with: 11480 ACCT 2001; Salmela, Karen Ellen, 3 cr
- 11482 009 LEC, 02:00pm-02:50pm MWF, SBE 32; (LSBE students); Meets with: 11483 ACCT 2001; Lin, Jerry W, 3 cr
- 11483 010 LEC, 02:00pm-02:50pm MWF, SBE 32; (Non-LSBE students); Meets with: 11482 ACCT 2001; Lin, Jerry W, 3 cr
- 11484 011 LEC, 03:00pm-03:50pm MWF, SBE 32; (LSBE students); Meets with: 11485 ACCT 2001; Salmela, Karen Ellen, 3 cr
- 11485 012 LEC, 03:00pm-03:50pm MWF, SBE 32; (Non-LSBE students); 1 seat reserved for Continuing Education; Meets with: 11484 ACCT 2001; Salmela, Karen Ellen, 3 cr
- 11486 013 LEC, 09:30am-10:45am TTh, SBE 32; (LSBE students); Meets with: 11487 ACCT 2001; Li, June F, 3 cr
- 11487 014 LEC, 09:30am-10:45am TTh, SBE 32; (Non-LSBE students); Meets with: 11486 ACCT 2001; Li, June F, 3 cr
- 11885 015 LEC, 03:30pm-04:45pm TTh, SBE 32; (LSBE students); Meets with: 11886 ACCT 2001, 3 cr
- 11886 016 LEC, 03:30pm-04:45pm TTh, SBE 32; (Non-LSBE students); 1 seat reserved for Continuing Education; Meets with: 11885 ACCT 2001, 3 cr
- 12215 017 LEC, 06:00pm-08:40pm M, SBE 32; (LSBE students); Meets with: 12216 ACCT 2001, 3 cr
- 12216 018 LEC, 06:00pm-08:40pm M, SBE 32; (Non-LSBE students); 3 seats reserved for Continuing Education; Meets with: 12215 ACCT 2001, 3 cr
- 2002 Principles of Managerial Accounting**
(A-F only; prereq 2001, LSBE student or college consent)
- 10442 001 LEC, 09:00am-09:50am MWF, SBE 32; Salmela, Karen Ellen, 3 cr
- 10443 002 LEC, 11:00am-11:50am MWF, SBE 32; Salmela, Karen Ellen, 3 cr
- 10444 003 LEC, 11:00am-12:15pm TTh, SBE 32; Yang, Joon Sun, 3 cr
- 11950 004 LEC, 06:00pm-08:40pm T, SBE 32, 3 cr
- 3101 Intermediate Accounting I**
(A-F only; prereq LSBE cand or non-LSBE acct minor or college consent)
- 31059 001 LEC, 12:30pm-01:45pm TTh, SBE 32; (LSBE candidates); Meets with: 31060 ACCT 3101; Li, June F, 3 cr
- 31060 002 LEC, 12:30pm-01:45pm TTh, SBE 32; (Non-LSBE accounting minors); Meets with: 31059 ACCT 3101; Li, June F, 3 cr
- 31064 003 LEC, 03:30pm-04:45pm TTh, SBE 20; (LSBE candidates); Meets with: 31065 ACCT 3101; Li, June F, 3 cr
- 31065 004 LEC, 03:30pm-04:45pm TTh, SBE 20; (Non-LSBE Accounting minors); Meets with: 31064 ACCT 3101; Li, June F, 3 cr

- 3102 Intermediate Accounting II**
(A-F only; prereq 3101, LSBE cand or non-LSBE acct minor or college consent)
- 11837 001 LEC, 12:30pm-01:45pm TTh, SBE 20; (LSBE candidates); Meets with: 11838 ACCT 3102; Feroz PhD, Ehsan Habib, 3 cr
- 11838 002 LEC, 12:30pm-01:45pm TTh, SBE 20; (Non-LSBE Accounting minors); Meets with: 11837 ACCT 3102; Feroz PhD, Ehsan Habib, 3 cr
- 3110 Accounting Information Systems**
(A-F only; prereq LSBE cand or non-LSBE acct minor or college consent)
- 10653 001 LEC, 02:00pm-03:15pm TTh, SBE 20; (LSBE candidates); Meets with: 10654 ACCT 3110; Yang, Joon Sun, 3 cr
- 10654 002 LEC, 02:00pm-03:15pm TTh, SBE 20; (Non-LSBE Accounting minors); Meets with: 10653 ACCT 3110; Yang, Joon Sun, 3 cr
- 3151 Business Taxation**
(A-F only; prereq LSBE cand or non-LSBE acct minor or college consent)
- 10611 001 LEC, 11:00am-11:50am MWF, SBE 20; (LSBE candidates); Meets with: 11526 ACCT 3151; Skalberg, Randall Kirk, 3 cr
- 11526 002 LEC, 11:00am-11:50am MWF, SBE 20; (Non-LSBE Accounting minors); Meets with: 10611 ACCT 3151; Skalberg, Randall Kirk, 3 cr
- 3152 Individual Income Taxation: A Strategic Planning Approach**
(A-F only; prereq 3151, LSBE cand or college consent. Credit will not be granted if credit has been received for: 4152)
- 11951 001 LEC, 01:00pm-01:50pm MWF, SBE 20; Skalberg, Randall Kirk, 3 cr
- 11952 002 LEC, 3 cr
- 3191 Independent Study**
(max crs 3; A-F only; prereq BAc cand with 80 cr, department consent; cr not available as acct elective)
- 10688 001 IND; Roline, Alan C, 1-3 cr
- 3196 Internship in Accounting**
(max crs 6; 3 repeats allowed; S-N only; prereq 3101, dept consent; repeatable for a maximum of 6 credits; 3 repeats allowed; max 3 cr may be applied to acct electives)
- 10801 001 IEX; Roline, Alan C, 2-6 cr
- 3201 Cost Accounting**
(A-F only; prereq LSBE cand or non-LSBE acct minor or college consent)
- 11527 001 LEC, 12:00pm-12:50pm MWF, SBE 20; Meets with: 11528 ACCT 3201; Brannan, Rodger L, 3 cr
- 11528 002 LEC, 12:00pm-12:50pm MWF, SBE 20; Meets with: 11527 ACCT 3201; Brannan, Rodger L, 3 cr
- 4160 Auditing**
(A-F only; prereq 3110, 3102, LSBE candidate or college consent; cannot apply cr to a Graduate School program.)
- 11707 001 LEC, 10:00am-10:50am MWF, SBE 20; Lin, Jerry W, 3 cr
- 4505 International Accounting**
(A-F only; prereq 3102, LSBE cand or college consent)
- 12496 001 SEM, 09:30am-10:45am TTh, SBE 20; Feroz PhD, Ehsan Habib, 3 cr

AEROSPACE STUDIES (Air)**College of Science & Engineering**

- 100 AFROTC GMC Leadership Laboratory**
(S-N only)
- 11677 001 LAB, 06:20am-07:45am T, SpHC 9; In addition to normal lead lab activities, you must attend a minimum of two PT sessions per week.; Loughran, Harry T, 0 cr
- 1101 Foundations of the U.S. Air Force**
(A-F only)
- 10175 001 LEC, 08:00am-08:50am T, SpHC 9; Loughran, Harry T, 1 cr
- 1591 Leadership Practicum**
(max crs 4; 4 repeats allowed; A-F only)
- 10212 001 PRC; McGoffin, Mike, 1-4 cr
- 2101 The Evolution of the U.S. Air Force Air and Space Power**
(A-F only)
- 10202 001 LEC, 09:00am-09:50am T, ROTC 12; Loughran, Harry T, 1 cr
- 3000 AFROTC POC Leadership Laboratory**
(max crs 4; 4 repeats allowed; S-N only)
- 11678 001 LAB, 06:20am-07:45am T, SpHC 9; In addition to normal lead lab activities, you must attend a minimum of two PT sessions per week.; Loughran, Harry T, 1 cr
- 3101 Air Force Leadership Studies**
(A-F only)
- 10229 001 LEC, 06:00pm-09:00pm Th, ROTC 12; Larson, Ted, 3 cr
- 3591 Leadership Practicum**
(max crs 4; 4 repeats allowed; A-F only)
- 10222 001 PRC; McGoffin, Mike, 1-4 cr
- 4101 National Security Affairs, Preparation for Active Duty**
(A-F only; prereq No Grad School credit)
- 10230 001 LEC, 06:00pm-09:00pm W, ROTC 12; McGoffin, Mike, 3 cr

AMERICAN INDIAN STUDIES**(Amln)****College of Liberal Arts**

- 1103 Beginning Ojibwe I**
(A-F only; meets LECD req of LECD CAT03)
- 10677 001 LEC, 12:00pm-01:15pm TTh, H 468; Aubid, David Niib, 3 cr
- 1106 American Indian Prose, Poetry, and Oratory**
(A-F only; meets LE req of LE CAT9)
- 12511 001 LEC, 04:00pm-05:15pm MW, ABAH 235, 3 cr
- 1120 American Indians in the 20th Century**
(A-F only; meets LECD req of LECD CAT07)
- 10713 001 LEC, 12:00pm-12:50pm MWF, Cina 102, 3 cr
- 2203 Intermediate Ojibwe I**
(A-F only; prereq 1104 or instr consent; meets LECD req of LECD CAT03)
- 31150 001 LEC, 06:00pm-08:30pm W, ABAH 225; Aubid, David Niib, 3 cr
- 3106 Indian-White Relations**
(A-F only; prereq 1120 or instr consent; meets LECD req of LECD CAT08)
- 10714 001 LEC, 11:00am-12:15pm TTh, ABAH 225; Red Horse, John G, 3 cr
- 3300 Projects in American Indian Studies**
(max crs 10; 10 repeats allowed; A-F only; prereq 1120, instructor consent)
- 10715 001 IND; Red Horse, John G, 1-5 cr
- 3333 Introduction to Federal Indian Law**
(A-F only; prereq 1120 or instructor consent)
- 31154 001 LEC, 04:00pm-05:15pm TTh, SpHC 212; Red Horse, John G, 3 cr
- 3410 Fur Trade in Canada and the United States**
(A-F only; prereq 1120 or instructor consent)
- 31151 001 LEC, 04:00pm-05:15pm TTh, ABAH 245; Aubid, David Niib, 3 cr
- 3997 Internship in American Indian Studies**
(max crs 12; 3 repeats allowed; A-F only; prereq Amln major, instructor consent; may not be taken final semester of sr yr; may be taken in one or two semesters)
- 10717 001 IEX; Red Horse, John G, 4-8 cr
- 4302 Independent Study of the Ojibwe Language**
(max crs 12; 12 repeats allowed; A-F only; prereq 1103, instructor consent; no Grad School credit)
- 10716 001 IND; Aubid, David Niib, 1-6 cr
- 4990 Directed Research**
(max crs 12; 12 repeats allowed; A-F only; prereq max 8 cr to Grad School program, instructor consent)
- 10718 001 DRS; Red Horse, John G, 1-6 cr

ANTHROPOLOGY (Anth)**College of Liberal Arts**

- 1095 Freshman Seminar: Topics: (Various Titles to be Assigned)**
(max crs 4; A-F only; prereq Freshman, fewer than 30 cr; meets LEIP req of LEIP CAT08)
- 29875 001 SEM, 03:30pm-04:45pm TTh, Cina 214; Roufs, Tim, 3 cr; Freshman Seminar: Topic: Understanding Global Cult
- 1601 Freshman Seminar: Prehistoric Cultures**
(A-F only; prereq Freshman, less than 30 cr, Credit will not be granted if credit has been received for: 1602; meets LEIP req of LEIP CAT07)
- 11806 001 SEM, 01:00pm-02:40pm TTh, Cina 214; Roufs, Tim, 4 cr
- 1602 Prehistoric Cultures**
(A-F only; prereq Credit will not be granted if credit has been received for: 1601; meets LEIP req of LEIP CAT07)
- 10150 001 LEC, 01:00pm-02:40pm TTh, MonH 70; Belote, Jim, 4 cr
- 11839 090 LEC, 06:00pm-09:30pm M, Cina 214; 2 seats reserved for Continuing Education; Roufs, Tim, 4 cr
- 1604 Cultural Anthropology**
(A-F only; meets LEIP req of LEIP CAT06)
- 10151 001 LEC, 09:00am-10:40am TTh, MonH 70; 1 seat reserved for Continuing Education; Belote, Jim, 4 cr
- 1612 Introduction to Archaeology**
(A-F only; meets LE req of LE CAT6)
- 001 LEC, 10:00am-10:50am MWF, Cina 214; Jones, Jennifer Elaine
- 11808 002 LAB, 10:00am-10:50am T, Cina 214; Jones, Jennifer Elaine, 4 cr
- 12089 003 LAB, 10:00am-10:50am Th, Cina 214; Jones, Jennifer Elaine, 4 cr
- 3632 Latin American Cultures**
(A-F only; prereq 1604, 30 cr)
- 12440 001 LEC, 09:00am-09:50am MWF, Cina 214; Belote, Linda S, 3 cr
- 3640 What is a City?: Archaeological Perspectives on Urbanism**
(A-F only; prereq 30 cr or instructor consent)
- 29877 001 LEC, 11:00am-12:40pm TTh, Cina 214, 3 cr
- 3691 Independent Study in Anthropology**
(max crs 5; A-F only; prereq 60 credits or instructor contact)
- 12581 001 DRS, 1-5 cr
- 4623 Anthropology and Contemporary Human Problems**
(A-F only; prereq 1604, 60 cr)
- 12153 001 LEC, 11:00am-11:50am MWF, Cina 214; Belote, Linda S, 3 cr
- 4651 Development of Anthropological Theory**
(A-F only; prereq 1604, 90 cr, no Grad School credit)
- 10161 001 LEC, 08:00am-09:40am TTh, Cina 214; Jones, Jennifer Elaine, 4 cr
- 4691 Independent Study in Anthropology**
(max crs 5; 5 repeats allowed; A-F only; prereq 60 cr or instructor consent, no Grad School credit)
- 10272 001 IND, 1-5 cr
- 4697 Anthropology Internship**
(max crs 6; S-N only; prereq Instructor consent, no Grad School credit)
- 11741 001 IEX, 2-6 cr
- 4699 Honors Project**
(max crs 4; A-F only; prereq 1604, instructor consent; no Grad School credit; meets HON req of Honors)
- 10966 001 DRS; Belote, Linda S, 2-4 cr
- 4997 Teaching Assistantship in Anthropology**
(max crs 6; S-N only; prereq Instructor consent, no Grad School credit)
- 11742 001 LEC; Belote, Linda S, 1-3 cr

ART (Art)**School of Fine Arts**

- 903 Art Education Review**
(S-N only; prereq (repeatable one time), 9 cr in art courses, pre-art ed major or department consent)
- 11705 001 DIS; Dietrich, Jennifer Lee, 0 cr
- 1001 Art Today**
(A-F only; meets LEIP req of LEIP CAT09)
- 10500 001 LEC, 01:00pm-01:50pm MWF, BohH 90; 3 seats reserved for Continuing Education; Wittig, Rob, 3 cr
- 1002 Introduction to Art**
(A-F only; prereq Not for art majors except those in art history; credit will not be granted if credit received for 1005.; meets LE req of LE CAT10)
- 10501 001 LEC, 08:00am-09:40am MW, ABAH 135; Christine, Jayme, 3 cr
- 10502 002 LEC, 10:00am-11:40am MW, ABAH 135; Rostvold, Anthony Jay, 3 cr
- 10503 003 LEC, 04:00pm-05:40pm MW, ABAH 135; 1 seat reserved for Continuing Education; Gordon, Jennifer Ann, 3 cr
- 10504 004 LEC, 10:00am-11:40am TTh, ABAH 135; Rostvold, Anthony Jay, 3 cr
- 11517 005 LEC, 02:00pm-03:40pm TTh, ABAH 135; Percy, Wanda J., 3 cr
- 12401 006 LEC, 03:00pm-04:40pm TTh, ABAH 125, 3 cr
- 1005 Freshman Seminar: Introduction to Art**
(A-F only; prereq Freshman, fewer than 30 cr; credit will not be granted if credit received for 1002.; meets LE req of LE CAT10)
- 12534 001 SEM, 04:00pm-05:50pm TTh, ABAH 135; Papenfuss, Elizabeth Ann, 3 cr
- 1006 Freshman Seminar: Fundamentals of Drawing**
(A-F only; prereq Freshman, fewer than 30 cr; Credit will not be granted if credit received for 1009.; meets LE req of LE CAT10)
- 11529 001 SEM, 12:00pm-01:50pm MW, ABAH 325; Dietrich, Jennifer Lee, 3 cr
- 1009 Fundamentals of Drawing**
(A-F only; prereq Not for art majors or minors; credit will not be granted if credit received for 1006.; meets LE req of LE CAT10)
- 10923 090 LEC, 06:00pm-09:40pm T, ABAH 325; 1 seat reserved for Continuing Education; Meets with: 11920 ART 1010, 3 cr
- 1010 Drawing I**
(A-F only; prereq Art or art ed major or art minor or architecture and design minor or instructor consent)
- 10517 001 LEC, 08:00am-09:50am MW, ABAH 325; Percy, Wanda J., 3 cr
- 10518 002 LEC, 10:00am-11:50am MW, ABAH 325; Percy, Wanda J., 3 cr
- 11554 003 LEC, 12:00pm-01:50pm TTh, ABAH 325; Papenfuss, Elizabeth Ann, 3 cr
- 11706 004 LEC, 02:00pm-03:50pm TTh, ABAH 325, 3 cr
- 11920 090 LEC, 06:00pm-09:40pm T, ABAH 325; Meets with: 10923 ART 1009, 3 cr
- 1011 2-D Design**
(A-F only; prereq Art or art ed major or art minor or instructor consent)
- 10519 001 LEC, 04:00pm-05:50pm MW, ABAH 125; Ramon, Cecilia, 3 cr
- 10520 002 LEC, 02:00pm-03:50pm MW, ABAH 125; Christine, Jayme, 3 cr
- 10521 003 LEC, 12:00pm-01:50pm TTh, ABAH 135; Colman, Marian, 3 cr
- 10522 004 LEC, 3 cr
- 11568 005 LEC, 08:00am-09:50am TTh, ABAH 125; Rock, Joellyn Jean, 3 cr
- 11679 006 LEC, 10:00am-11:50am TTh, ABAH 125; Rock, Joellyn Jean, 3 cr
- 11774 007 LEC, 12:00pm-01:50pm MW, ABAH 135; Christine, Jayme, 3 cr
- 1012 3-D Design**
(A-F only; prereq Art or art ed major or art or architecture and design studies minor or instructor consent; credit will not be granted if credit received for 1015)
- 10265 001 LEC, 12:00pm-01:50pm TTh, ABAH 145; Suh, Eun-Kyung, 3 cr
- 1013 2-D Digital Design**
(A-F only; prereq Art or art ed major or art minor or photography minor or architecture and design studies minor or communication arts or arts in media minor or instructor consent)
- 10496 001 LEC, 08:00am-09:50am MW, SBE 17; Rock, Joellyn Jean, 3 cr
- 10497 002 LEC, 10:00am-11:50am TTh, SBE 17; Bardolph, Steve, 3 cr
- 10498 003 LEC, 04:00pm-05:50pm TTh, SBE 17; Bardolph, Steve, 3 cr
- 10499 004 LEC, 04:00pm-05:50pm WF, SBE 17; Wittig, Rob, 3 cr
- 11775 005 LEC, 10:00am-11:50am WF, SBE 17, 3 cr
- 1100 Painting I**
(A-F only; prereq 1009 or 1010, 1011, art or art ed major or art minor or instr consent)
- 10294 001 LEC, 08:00am-09:50am MW, H 318; Dietrich, Jennifer Lee, 3 cr
- 11834 002 LEC, 08:00am-09:50am TTh, H 318, 3 cr
- 1125 Watercolor I**
(A-F only; prereq 1002 or 1010 or instr consent)
- 11776 090 LEC, 06:00pm-09:40pm Th, ABAH 135; 2 seats reserved for Continuing Education; Meets with: 11778 ART 3125; Papenfuss, Elizabeth Ann, 3 cr
- 1200 Sculpture I**
(A-F only; prereq 1012, art or art ed major or art minor or instr consent)
- 10261 001 LEC, 02:00pm-03:50pm TTh, Room TBA, DULUTH; Meets with: 11924 ART 3200, 11926 ART 4200, 3 cr
- 1300 Printmaking I: Intaglio, Relief**
(A-F only; prereq 1009 or 1010, 1011, art or art ed major or art minor or instr consent)
- 12585 001 LEC, 12:00pm-01:50pm MW, H 338, 12:00pm-01:50pm MW, H 332; Meets with: 10540 ART 4300, 11542 ART 3300, 3 cr
- 1400 Ceramics I**
(A-F only; prereq 1009 or 1010, 1012, art or art ed major or art minor or instr consent)
- 10282 001 LEC, 12:00pm-01:50pm TTh, ABAH 155; Klueg, James, 3 cr
- 1500 Jewelry and Metals I**
(A-F only; prereq 1011 or 1013, art or art ed major or art minor or instr consent)
- 12574 090 LEC, 06:00pm-09:40pm W, ABAH 135; Meets with: 10287 ART 3500; Klueg, James, 3 cr
- 1600 Photography I**
(A-F only; prereq Art or art ed major or art or photography minor or instr consent, Credit will not be granted if credit has been received for: 1605 or Credit will not be granted if credit has been received for: 1607.)
- 10510 001 LEC, 10:00am-11:50am MW, Cina 16; Brush, Gloria De, 3 cr
- 1605 Fundamentals of Photography**
(A-F only; prereq Not for art majors or minors; cr will not be granted if cr has been received for 1600, 1607.; meets LE req of LE CAT10)
- 10523 090 LEC, 06:00pm-09:40pm T, Cina 16; 2 seats reserved for Continuing Education; Brush, Gloria De, 3 cr
- 1607 Freshman Seminar: Fundamentals of Photography**
(A-F only; prereq Freshman, fewer than 30 cr; cr will not be granted if cr has been received for 1600, 1605.; meets LE req of LE CAT10)
- 11530 001 SEM, 08:00am-09:50am TTh, Cina 16; Dugan, Jeffrey William, 3 cr
- 2900 Visual Literacy**
(A-F only; meets LE req of LE CAT9)
- 12470 001 LEC, 10:00am-11:15am TTh, H 314; Klueg, James, 3 cr
- 2905 Design Technology I**
(A-F only; prereq 1013 and graphic design major or pregrad art and tech major or arts in media minor or instr consent)
- 10397 001 LAB, 08:00am-09:50am TTh, VKH 131; Lehman, Victoria Dahlstrom, 3 cr
- 11518 002 LAB, 02:00pm-03:50pm TTh, VKH 131; Lehman, Victoria Dahlstrom, 3 cr
- 11921 003 LAB, 08:00am-09:50am WF, VKH 131; Lehman, Victoria Dahlstrom, 3 cr

2907	Typography I (A-F only; prereq Graphic design major or instructor consent.)	3625	Photography II: Digital (A-F only; prereq 1013, 1600 or 1607, and art or art ed major or art or photography minor or instr consent)	4400	Ceramics III (max crs 6; A-F only; prereq 3400, art or art ed major or art minor or instr consent ; no Grad School credit)
11777	001 LEC, 08:00am-09:50am M, VKH 131, 08:00am-09:50am W, ABAH 335; Waisman, Mariana Marta, 3 cr	29892	001 LEC, 04:00pm-05:50pm W, Cina 16, 04:00pm-05:50pm M, SBE 17; Dugan, Jeffrey William, 3 cr	10285	001 LEC, 02:00pm-03:50pm TTh, ABAH 155; Meets with: 10284 ART 3400; Klueg, James, 3 cr
11874	002 LEC, 08:00am-09:50am Th, ABAH 335, 08:00am-09:50am T, SBE 17; Choo, Phil, 3 cr	3700	Drawing II (max crs 6; A-F only; prereq 1010, art or art ed major or art minor or instr consent)	4491	Individual Study in Ceramics (max crs 9; 9 repeats allowed; A-F only; prereq 2 sem ceramics, dept consent)
11922	003 LEC, 08:00am-09:50am Th, SBE 17, 08:00am-09:50am T, ABAH 335; Waisman, Mariana Marta, 3 cr	10299	001 LEC, 10:00am-11:50am TTh, ABAH 325; Meets with: 11004 ART 4700, 3 cr	10543	001 IND; Klueg, James, 1-3 cr
3014	3-D Digital Studio I (A-F only; prereq 1013 and art or art education major or art minor or architecture and design studies minor or instr consent . Credit will not be granted if credit has been received for: 1014)	3810	Art in Elementary Education (A-F only; prereq 1002, art ed major or pre-elem/middle school ed major or admission to elem ed program or instr consent)	4600	Photography III (max crs 9; 3 repeats allowed; A-F only; prereq 2900, 3600 or 3625, art or art ed major or art or photography minor or instr consent)
11682	001 LAB, 02:00pm-03:50pm MW, SCC 42; Meets with: 11685 ART 4014; Suh, Eun-Kyung, 3 cr	10269	001 LEC, 10:00am-11:25am MW, H 331; Colman, Marian, 2 cr	10513	001 LEC, 02:00pm-03:50pm MW, Cina 16; Brush, Gloria De, 3 cr
3016	2-D Digital Studio I (max crs 6; A-F only; prereq 1013, art or art ed major or art or photography minor or instr consent)	11287	002 LEC, 10:00am-11:25am TTh, H 331; Colman, Marian, 2 cr	4691	Individual Study in Photography (max crs 9; 9 repeats allowed; A-F only; prereq 2 semesters of photography, dept consent)
10250	001 LEC, 02:00pm-03:50pm MW, SBE 17; Meets with: 10258 ART 5016; Coker, Alyce L, 3 cr	11934	090 LEC, 06:00pm-08:50pm T, H 331; Dietrich, Jennifer Lee, 2 cr	10542	001 IND; Brush, Gloria De, 1-3 cr
11681	002 LEC, 02:00pm-03:50pm TTh, SBE 17; Meets with: 11686 ART 5016; Rock, Joellyn Jean, 3 cr	3811	Art Education Elementary-Level Experience (A-F only; prereq 3810, Art ed major or instr consent)	11835	002 IND; Dugan, Jeffrey William, 1-3 cr
11923	003 LEC, 12:00pm-01:50pm WF, SBE 17; Meets with: 11927 ART 5016; Bauer, Sarah Anne, 3 cr	12119	001 LEC, 03:00pm-04:20pm MW, H 331; Dietrich, Jennifer Lee, 2 cr	4700	Drawing III (max crs 6; A-F only; prereq 3700, art or art ed major or art minor or instr consent)
3030	Art in Technologies I (max crs 6; A-F only; prereq 1013, 3016, art or art ed major or art minor or instr consent)	3922	Graphic Design II (A-F only; prereq 2911, graphic design major or instr consent)	11004	001 LEC, 10:00am-11:50am TTh, ABAH 325; Meets with: 10299 ART 3700, 3 cr
10999	001 LEC, 04:00pm-05:50pm WF, VKH 131; Meets with: 12158 ART 5030; Bauer, Sarah Anne, 3 cr	10399	001 LEC, 02:00pm-03:50pm M, VKH 131, 02:00pm-03:50pm W, ABAH 335; Bardolph, Steve, 3 cr	4791	Individual Study in Drawing (max crs 9; 9 repeats allowed; A-F only; prereq 2 semesters of drawing, instr consent)
3100	Painting II (max crs 9; 3 repeats allowed; A-F only; prereq 1100, art or art ed major or art minor or instr consent ; max 9 cr)	11519	002 LEC, 12:00pm-01:50pm T, ABAH 335, 12:00pm-01:50pm Th, SBE 17; Bardolph, Steve, 3 cr	10300	001 IND, 1-3 cr
10296	001 LEC, 02:00pm-03:50pm MW, H 318; Meets with: 12657 ART 4100, 3 cr	3933	Graphic Design III (A-F only; prereq 3922, graphic design major or instr consent)	4812	Senior Seminar (A-F only; prereq Sr or instructor consent; no Grad School credit)
3125	Watercolor II (max crs 6; A-F only; prereq 1125 or instr consent)	12123	001 LEC, 10:00am-11:50am W, ABAH 335, 10:00am-11:50am F, VKH 131; Choo, Phil, 3 cr	12154	001 SEM, 12:00pm-01:15pm MW, Cina 16; Brush, Gloria De, 3 cr
11778	090 LEC, 06:00pm-09:40pm Th, ABAH 135; Meets with: 11776 ART 1125; Papenfuss, Elizabeth Ann, 3 cr	3950	Architecture Studio (A-F only; prereq 1009, 1012, 1013, 3014, Hist 3361, architecture and design studies minor or instr consent)	12425	002 SEM, 06:00pm-08:30pm Th, ABAH 345; Dugan, Jeffrey William, 3 cr
3200	Sculpture II (max crs 6; A-F only; prereq 1200, art or art ed major or art minor or instr consent)	29921	001 LEC, 02:00pm-03:50pm TTh, ABAH 135; Suh, Eun-Kyung, 3 cr	4899	Senior Presentation/Exhibition (A-F only; prereq Sr art major or instructor consent; no Grad School credit)
11924	001 LEC, 02:00pm-03:50pm TTh, Room TBA, DULUTH; Meets with: 10261 ART 1200, 11926 ART 4200, 3 cr	4014	3-D Digital Studio II (max crs 9; 3 repeats allowed; A-F only; prereq 3014, art or art ed major or architecture and design studies minor or art minor or instr consent)	10531	001 STU; Colman, Marian, 1 cr
3300	Printmaking II (max crs 6; A-F only; prereq 1300 or 1301, art or art ed major or art minor or instr consent)	11685	001 LAB, 02:00pm-03:50pm MW, SCC 42; Meets with: 11682 ART 3014; Suh, Eun-Kyung, 3 cr	4901	Honors Graphic Design (max crs 9; 3 repeats allowed; A-F only; prereq Graphic design major and instr consent ; no Grad School credit; meets HON req of Honors)
11542	001 LEC, 12:00pm-01:50pm MW, H 338, 12:00pm-01:50pm MW, H 332; Meets with: 10540 ART 4300, 12585 ART 1300, 3 cr	4100	Painting III (max crs 9; 3 repeats allowed; A-F only; prereq 3100, art or art ed major or art minor or instr consent ; no Grad School credit)	12730	001 STU; Kmetz, Janice D, 3 cr
3400	Ceramics II (max crs 6; A-F only)	12657	001 LEC, 02:00pm-03:50pm MW, H 318; Meets with: 10296 ART 3100, 3 cr	4903	Art Education Student Teaching Seminar (A-F only; prereq Art ed major and concurrent registration in Educ 4500, EdSe 4600, EIEd 4650; no Grad School credit)
10284	001 LEC, 02:00pm-03:50pm TTh, ABAH 155; Meets with: 10285 ART 4400; Klueg, James, 3 cr	4191	Individual Study in Painting (max crs 9; 9 repeats allowed; A-F only; prereq Two sem painting, instr consent ; no Grad School credit)	11546	001 LEC, 04:00pm-04:50pm Th, H 331; Colman, Marian, 1 cr
3500	Jewelry and Metals II (max crs 6; A-F only; prereq 1500, art or art ed major or art minor or instr consent)	10297	001 IND, 1-3 cr	4905	Design Technology II (A-F only; prereq 2905, graphic design major or instr consent)
10287	090 LEC, 06:00pm-09:40pm W, ABAH 135; Meets with: 12574 ART 1500; Klueg, James, 3 cr	4200	Sculpture III (max crs 6; A-F only; prereq 3200, art or art ed major or art minor or instr consent ; no Grad School credit)	10424	001 LEC, 10:00am-11:50am TTh, VKH 131; Lehman, Victoria Dahlstrom, 3 cr
3600	Photography II: Film (max crs 6; A-F only; prereq 1013, 1600 or 1607 and art or art ed major or art or photography minor or instr consent)	11926	001 LEC, 02:00pm-03:50pm TTh, Room TBA, DULUTH; Meets with: 10261 ART 1200, 11924 ART 3200, 3 cr	4910	Senior Design Studio (max crs 6; A-F only; prereq 3933, sr graphic design major or instr consent ; no Grad School credit)
10512	001 LEC, 10:00am-10:50am TTh, Cina 16; Dugan, Jeffrey William, 3 cr	4291	Individual Study in Sculpture (max crs 9; 9 repeats allowed; A-F only; prereq 2 sem sculpture, instr consent ; no Grad School credit)	11779	001 SEM, 10:00am-11:50am M, SBE 17, 10:00am-11:50am W, ABAH 125; Kmetz, Janice D, 3 cr
		10273	001 IND, 1-3 cr	11935	002 SEM, 12:00pm-01:50pm M, VKH 131, 12:00pm-01:50pm W, ABAH 125; Kmetz, Janice D, 3 cr
		4300	Printmaking III (max crs 6; A-F only; prereq 3300, art or art ed major or art minor or instr consent)	11936	003 SEM, 12:00pm-01:50pm T, SBE 17, 12:00pm-01:50pm Th, ABAH 335; Appleton, Robert, 3 cr
		10540	001 LEC, 12:00pm-01:50pm MW, H 338, 12:00pm-01:50pm MW, H 332; Meets with: 11542 ART 3300, 12585 ART 1300, 3 cr	5016	2-D Digital Studio II (max crs 6; A-F only; prereq 3016, art or art ed major or art minor or instr consent)
				10258	001 LEC, 02:00pm-03:50pm MW, SBE 17; Meets with: 10250 ART 3016; Coker, Alyce L, 3 cr
				11686	002 LEC, 02:00pm-03:50pm TTh, SBE 17; Meets with: 11681 ART 3016; Rock, Joellyn Jean, 3 cr
				11927	003 LEC, 12:00pm-01:50pm WF, SBE 17; Meets with: 11923 ART 3016; Bauer, Sarah Anne, 3 cr

- 5030 Art in Technologies II**
(max crs 6; A-F only; prereq 3030, art or art ed major or art minor or instr consent)
- 12158 001 LEC, 04:00pm-05:50pm WF, VKH 131; Meets with: 10999 ART 3030; Bauer, Sarah Anne, 3 cr
- 5795 Intermedia Studio Problems**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 sem work in each subject area with instructor consent)
- 12799 001 STU; Klueg, James, 1-3 cr
- 5907 Motion Graphics**
(A-F only; prereq 2911 and graphic design major or pregrad art and tech or grad, or instr consent)
- 10492 001 LEC, 12:00pm-01:50pm TTh, VKH 131; Ishino, Catherine Jo, 3 cr
- 11687 002 LEC, 04:00pm-05:50pm TTh, VKH 131; Ishino, Catherine Jo, 3 cr
- 11928 003 LEC, 10:00am-11:50am MW, VKH 131; Ishino, Catherine Jo, 3 cr
- 5909 Interactive Design I**
(max crs 6; A-F only; prereq 5907, graphic design major or instr consent)
- 12475 001 LEC, 02:00pm-03:50pm W, VKH 131, 02:00pm-03:50pm F, VKH 131; Choo, Phil, 3 cr
- 5910 Interactive Design II**
(max crs 6; A-F only; prereq 5909, graphic design major or instr consent)
- 29920 001 LAB, 12:00pm-01:50pm W, VKH 131, 12:00pm-01:50pm F, ABAH 335; Waisman, Mariana Marta, 3 cr
- 5991 Independent Study in Graphic Design**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 sem work in graphic design and graphic design major and instr consent)
- 10990 001 IND; Appleton, Robert, 1-3 cr
- 11929 002 IND; Choo, Phil, 1-3 cr
- 11930 003 IND; Kmetz, Janice D, 1-3 cr
- 11931 004 IND; Lehman, Victoria Dahlstrom, 1-3 cr
- 11932 005 IND; Waisman, Mariana Marta, 1-3 cr
- 12424 006 IND; Ishino, Catherine Jo, 1-3 cr
- 12713 007 IND; Rock, Joelynn Jean, 1-3 cr
- 5997 Art Museum Internship**
(max crs 12; 4 repeats allowed; A-F only; prereq 1001, 6 cr art hist; 1 cr for each 45 hrs of work; no Grad School credit, instr consent)
- 12593 001 IEX; Spooner, Peter F, 3 cr
- 5999 Special Projects in Design**
(max crs 6; A-F only; prereq graphic design major or grad; instructor consent)
- 12594 001 STU; Kmetz, Janice D, 3 cr
- 8901 Graduate Seminar**
(max crs 16; 4 repeats allowed; A-F only; prereq Concurrent registration is required (or allowed) for 8980)
- 11019 001 SEM, 10:00am-11:50am MW, Room TBA, DULUTH; Appleton, Robert, 4 cr
- 8980 Graduate Studio**
(max crs 16; 4 repeats allowed; A-F only; prereq Concurrent registration is required (or allowed) for 8901; grad student)
- 11021 001 STU; Appleton, Robert, 4 cr
- 8990 M.F.A. Creative Thesis**
(max crs 6; A-F only; prereq Graduate student and instructor consent)
- 12595 001 STU; Appleton, Robert, 3-6 cr

ART HISTORY (ArtH) School of Fine Arts

- 1303 History of World Art I**
(A-F only; meets LE req of LE CAT9)
- 11937 001 LEC, 12:00pm-01:15pm TTh, H 314; Hedin, Thomas F, 3 cr
- 2305 Classical Themes in Art History**
(A-F only; meets LE req of LE CAT9)
- 12458 001 LEC, 08:00am-09:15am TTh, H 314; 1 seat reserved for Continuing Education; Hedin, Thomas F, 3 cr

- 2390 American Art of the 20th Century**
(A-F only; meets LECD req of LECD CAT09)
- 10276 001 LEC, 09:00am-09:50am MWF, H 314; 1 seat reserved for Continuing Education; Roslak, Robyn, 3 cr
- 3091 Honors Research in Art History**
(max crs 3; A-F only; prereq Instructor consent; meets HON req of Honors)
- 10277 001 DST; Roslak, Robyn, 1-3 cr
- 11933 002 DST; Hedin, Thomas F, 1-3 cr
- 3361 European Art: Impressionism and Post-Impressionism**
(A-F only)
- 29952 001 LEC, 10:00am-10:50am MWF, ABAH 345; Roslak, Robyn, 3 cr
- 3370 European Art, 1900-1945**
(A-F only)
- 11938 001 LEC, 12:00pm-12:50pm MWF, ABAH 345; Roslak, Robyn, 3 cr
- 4491 Directed Study in 19th- and 20th-Century European Art**
(max crs 9; 9 repeats allowed; A-F only; prereq Graduate Student or instructor consent; max 6 cr for undergrads, max 9 cr for grad)
- 11939 001 DRS; Roslak, Robyn, 1-4 cr
- 4901 History of Graphic Design**
(A-F only; prereq Art or art ed major or pre-graphic design major or art or communication arts or arts in media minor or grad student or instructor consent)
- 12472 001 LEC, 06:00pm-08:30pm W, H 314; Kmetz, Janice D, 3 cr
- 4991 Directed Study in the History of Graphic Design**
(max crs 8; A-F only; prereq Grad student or instructor consent)
- 12543 001 DRS; Kmetz, Janice D, 1-4 cr
- 4999 Senior Paper Art History**
(A-F only; prereq Major in ArtH with 90 cr, instructor consent; no Grad School credit)
- 11901 001 DRS; Hedin, Thomas F, 1 cr
- 11940 002 DRS; Roslak, Robyn, 1 cr
- 5391 Directed Study in Renaissance and Baroque Art**
(max crs 9; 9 repeats allowed; A-F only; prereq Instructor consent; max 6 cr for undergrads)
- 11941 001 DRS; Hedin, Thomas F, 1-3 cr

ASTRONOMY (Ast) College of Science & Engineering

- 1040 Introductory Astronomy**
(A-F only; meets LE req of LE CAT5)
- 10671 001 LEC, 12:00pm-12:50pm MWF, LSci 185; (1 hr recitation, 1st 3 wks by arr); 1 seat reserved for Continuing Education; Mooers, Howard D, 3 cr
- 11085 090 LEC, 06:00pm-08:30pm M, LSci 185; 3 seats reserved for Continuing Education; Mooers, Howard D, 3 cr
- 11265 200 LEC; (Individualized Instruction); 1 seat reserved for Continuing Education; Holst, Timothy Bailey, 3 cr
- 1051 Freshman Seminar: The New Solar System**
(A-F only; prereq Freshman, fewer than 30 credits; meets LE req of LE CAT5)
- 31125 001 SEM, 09:30am-10:45am TTh, Room TBA, DULUTH; Hansen, Vicki L, 3 cr

BEHAVIORAL SCIENCES (BhSc) Duluth School of Medicine

- 5491 Problems in Medical Behavioral Sciences**
(max crs 6; A-F only; prereq Med or upper div or Graduate Student, instructor consent; max 6 cr to Graduate School program)
- 10940 001 IND; al'Absi, Mustafa N, 1-6 cr

BIOCHEMISTRY AND MOLECULAR BIOLOGY (MdBc) Duluth School of Medicine

- 5201 Topics in Biochemistry**
(A-F only; prereq Chem 3322 or Chem 4341 or instructor consent)
- 11897 001 LEC; Prohaska, Joseph R; Wallace, Doreen E., 3 cr
- 8151 Biochemistry Seminar**
(max crs 4; 4 repeats allowed; S-N only; prereq Graduate Student or instructor consent)
- 12717 001 SEM, 04:00pm-05:00pm Th, LSci 170; Perkins, Edward Leon, 1 cr
- 8294 Current Research Techniques**
(max crs 4; 4 repeats allowed; S-N only; prereq Biochem or Chem Graduate Student or instructor consent)
- 10929 001 DRS, 1-3 cr
- 8333 FTE: Master's**
(NGA; prereq Master's \geq 1/2 student, adviser and DGS consent)
- 11350 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
- 11359 001 DRS, 1 cr
- 8666 Doctoral Pre-Thesis Credits**
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
- 11369 001 THE, 1-18 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))
- 11389 001 THE, 1-18 cr
- 8888 Thesis Credits: Doctoral**
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
- 11399 001 THE, 1-24 cr

BIOLOGY (Biol) College of Science & Engineering

- 1001 Biology and Society**
(A-F only; prereq For nonmajors; meets LE req of LE CAT4)
- 001 LEC, 09:00am-09:50am MWF, LSci 175; Belk, Colleen M
- 10582 002 LAB, 09:00am-10:50am T, LSci 270, 4 cr
- 10583 003 LAB, 11:00am-12:50pm T, LSci 270, 4 cr
- 10584 004 LAB, 02:00pm-03:50pm T, LSci 270, 4 cr
- 10585 005 LAB, 01:00pm-02:50pm W, LSci 270, 4 cr
- 10586 006 LAB, 03:00pm-04:50pm W, LSci 270, 4 cr
- 10587 007 LAB, 09:00am-10:50am Th, LSci 270, 4 cr
- 11746 008 LAB, 11:00am-12:50pm Th, LSci 270, 4 cr
- 11747 009 LAB, 02:00pm-03:50pm Th, LSci 270, 4 cr
- 1011 General Biology I**
(A-F only; prereq 1 yr high school Chem or 1 sem college Chem; meets LE req of LE CAT4)
- 001 LEC, 11:00am-11:50am MTWF, Chem 200; Belk, Colleen M; Hrabik, Thomas R
- 10566 002 LAB, 12:35pm-02:50pm M, LSci 310, 5 cr
- 10567 003 LAB, 03:00pm-05:15pm M, LSci 310, 5 cr
- 10568 004 LAB, 06:00pm-08:15pm M, LSci 310, 5 cr
- 10569 005 LAB, 08:30am-10:45am T, LSci 310, 5 cr
- 10570 006 LAB, 12:00pm-02:15pm T, LSci 310, 5 cr
- 10571 007 LAB, 02:30pm-04:45pm T, LSci 310, 5 cr
- 10572 008 LAB, 06:00pm-08:15pm T, LSci 310, 5 cr
- 10573 009 LAB, 08:30am-10:45am W, LSci 310, 5 cr
- 10574 010 LAB, 12:00pm-02:15pm W, LSci 310, 5 cr
- 10575 011 LAB, 02:30pm-04:45pm W, LSci 310, 5 cr
- 10576 012 LAB, 06:00pm-08:15pm W, LSci 310, 5 cr
- 10577 013 LAB, 08:00am-10:15am Th, LSci 310, 5 cr

10578	014 LAB, 10:30am-12:45pm Th, LSci 310, 5 cr				
10579	015 LAB, 01:00pm-03:15pm Th, LSci 310, 5 cr				
11877	016 LAB, 03:30pm-05:45pm Th, LSci 310, 5 cr				
11895	017 LAB, 06:00pm-08:15pm Th, LSci 310, 5 cr				
12751	018 LAB, 5 cr				
1012	General Biology II (A-F only; prereq 1011)				
	001 LEC, 09:00am-09:50am MTWTh, Chem 200; Shannon, Lyle John				
11455	002 LAB, 10:00am-12:15pm T, LSci 314, 5 cr				
11456	003 LAB, 12:30pm-02:45pm T, LSci 314, 5 cr				
11457	004 LAB, 03:00pm-05:15pm T, LSci 314, 5 cr				
11953	005 LAB, 06:00pm-08:15pm T, LSci 314, 5 cr				
11458	006 LAB, 10:00am-12:15pm W, LSci 314, 5 cr				
11459	007 LAB, 12:30pm-02:45pm W, LSci 314, 5 cr				
11460	008 LAB, 03:00pm-05:15pm W, LSci 314, 5 cr				
11954	009 LAB, 06:00pm-08:15pm W, Room TBA, DULUTH; Shannon, Lyle John, 5 cr				
11461	010 LAB, 10:00am-12:15pm Th, LSci 314, 5 cr				
11955	011 LAB, 12:30pm-02:45pm Th, LSci 314, 5 cr				
11956	012 LAB, 03:00pm-05:15pm Th, Room TBA, DULUTH; Shannon, Lyle John, 5 cr				
11957	013 LAB, 06:00pm-08:15pm Th, Room TBA, DULUTH, 5 cr				
11816	014 LAB, 09:00am-11:15am F, Room TBA, DULUTH; Shannon, Lyle John, 5 cr				
11958	015 LAB, 11:30am-01:45pm F, LSci 314, 5 cr				
1094	Freshman Seminar: Northern Stream Ecosystems and the Angler (A-F only; prereq Freshman, fewer than 30 credits; meets LE req of LE CAT5)				
11959	001 SEM, 03:30pm-04:45pm TTh, Chem 155; Hicks, Randall E, 3 cr				
1761	Human Anatomy (A-F only; prereq 1 yr high school Biol or 1011)				
	001 LEC, 02:00pm-03:05pm TTh, Chem 150; Holmstrand, Linda Lea				
10546	002 LAB, 10:00am-11:30am MW, LSci 360, 4 cr				
10547	003 LAB, 01:00pm-02:30pm MW, LSci 360, 4 cr				
10548	004 LAB, 09:00am-10:30am TTh, LSci 360, 4 cr				
10549	005 LAB, 12:00pm-01:30pm TTh, LSci 360, 4 cr				
2201	Genetics (A-F only; prereq 1012, Math 1004)				
10589	001 LEC, 02:00pm-02:50pm MWF, Chem 200, 3 cr				
2801	General Ecology (A-F only; prereq 1012 or instructor consent)				
10590	001 LEC, 12:00pm-01:15pm TTh, LSci 185; Schimpf, David J, 3 cr				
2802	Ecology Laboratory (A-F only; prereq Concurrent registration is required (or allowed) for 2801)				
10592	001 LAB, 08:00am-11:50am T, LSci 234, 2 cr				
10593	002 LAB, 02:00pm-05:50pm T, LSci 234, 2 cr				
10594	003 LAB, 08:00am-11:50am W, LSci 234, 2 cr				
10595	004 LAB, 01:00pm-04:50pm W, LSci 234, 2 cr				
10596	005 LAB, 08:00am-11:50am Th, LSci 234, 2 cr				
10597	006 LAB, 02:00pm-05:50pm Th, LSci 234, 2 cr				
10598	007 LAB, 08:00am-11:50am F, LSci 234, 2 cr				
10591	008 LAB, 01:00pm-04:50pm F, LSci 234, 2 cr				
2961	Introduction to Veterinary Medicine (S-N only; prereq 1012 or instructor consent)				
11545	001 LEC, 07:00pm-09:00pm T, MWAH 191; Karim, M Raj, 1 cr				
3601	Plant Diversity (A-F only; prereq 1012)				
	001 LEC, 08:00am-08:50am TTh, LSci 175; Etterson, Julie Rae				
12484	002 LAB, 09:00am-11:50am T, LSci 260, 3 cr				
12485	003 LAB, 01:00pm-03:50pm T, LSci 260, 3 cr				
3703	Animal Physiology (A-F only; prereq 1011, 1012, one semester college chemistry)				
	001 LEC, 11:00am-11:50am MW, LSci 175; Mensinger, Allen				
11581	002 LAB, 12:30pm-03:20pm W, LSci 260; Mensinger, Allen, 3 cr				
11749	003 LAB, 04:00pm-06:50pm W, LSci 260, 3 cr				
12159	004 LAB, 09:00am-11:50am Th, LSci 260, 3 cr				
12743	005 LAB, 02:00pm-04:50pm Th, LSci 260, 3 cr				
3993	Laboratory Teaching Experience (max crs 2; S-N only; prereq instructor consent, biol or cell biol major, 90 cr incl 25 cr Biol; max 2 cr may be applied toward Biol major)				
10588	001 LAB, 1-2 cr				
3994	Undergraduate Research (max crs 6; 6 repeats allowed; S-N only; prereq 1012, jr, instructor consent; max 4 cr may be applied to biol or cell biol major or biol minor as upper div elective)				
10604	001 DRS, 1-3 cr				
3996	Internship in Biology (max crs 2; S-N only; prereq 1012, instructor consent, department consent; max 1 cr may be applied to biol or cell biol major)				
10603	001 IEX, 1-2 cr				
3997	Seminar I (S-N only; prereq Jr or instructor consent)				
10599	001 SEM, 03:00pm-04:30pm F, LSci 185; Etterson, Julie Rae, 0.50 cr				
3998	Seminar II (S-N only; prereq 3997, jr or sr or instructor consent)				
10600	001 SEM, 10:00am-10:50am MW, Cina 106; Richards, Carl, 0.50 cr				
11690	002 SEM, 02:00pm-02:50pm MW, Cina 106; Carter, Clay J, 0.50 cr				
10601	003 SEM, 11:00am-11:50am TTh, HH 216; Karim, M Raj, 0.50 cr				
10602	004 SEM, 03:00pm-03:50pm TTh, MWAH 191; Shannon, Lyle John, 0.50 cr				
4199	Frontiers in Cell Biology (A-F only; prereq 2101, 2201, 90 cr, Credit will not be granted if credit has been received for: 5199)				
12514	001 LEC, 2 cr				
4361	Developmental Biology (A-F only; prereq 2101, 2201 or instr consent, Credit will not be granted if credit has been received for: 5361)				
	001 LEC, 01:00pm-01:50pm TTh, MWAH 191; Rachinsky, Anna				
31056	002 LAB, 02:00pm-04:50pm TTh, LSci 370; Rachinsky, Anna, 4 cr				
31057	003 LAB, 05:00pm-07:50pm TTh, Room TBA, DULUTH; Rachinsky, Anna, 4 cr				
4501	General Microbiology (A-F only; prereq 2101 or instructor consent)				
	001 LEC, 10:00am-10:50am MW, LSci 185; Karim, M Raj				
10606	002 LAB, 03:00pm-04:50pm MW, LSci 250; Karim, M Raj, 4 cr				
11086	003 LAB, 08:00am-09:50am TTh, LSci 250, 4 cr				
11087	004 LAB, 11:00am-12:50pm TTh, LSci 250, 4 cr				
12744	005 LAB, 02:00pm-03:50pm TTh, LSci 250, 4 cr				
4731	Entomology (A-F only; prereq 1012 or instr consent)				
	001 LEC, 01:00pm-01:50pm MW, Chem 155; Craig, Timothy Paul				
11961	002 LAB, 02:00pm-04:50pm M, LSci 330; Craig, Timothy Paul, 3 cr				
31036	003 LAB, 02:00pm-04:50pm W, LSci 330; Craig, Timothy Paul, 3 cr				
4764	Mammalogy (A-F only; prereq 2801 or instructor consent)				
31040	001 LEC, 01:00pm-01:50pm TTh, ABAH 225, 02:00pm-03:30pm TTh, LSci 330, 3 cr				
4801	Evolution (A-F only; prereq 1012, 2201 or instructor consent)				
11560	001 LEC, 03:00pm-03:50pm TTh, LSci 185; Craig, Timothy Paul, 2 cr				
5240	Ecological Genetics (A-F only; prereq 1012, 2201 and Stat 1411)				
30158	001 LEC, 09:00am-09:50am MW, Chem 153, 09:00am-11:50am F, Chem 153; Etterson, Julie Rae, 3 cr				
5401	Coevolution of Plants, Animals and Microbes (A-F only; prereq 2801, 2802)				
11745	001 LEC, 3 cr				
5805	Fisheries Ecology (A-F only; prereq 2801, 2802, college-level course in statistics)				
30159	001 LEC, 01:00pm-01:50pm MW, BohH 343, 02:00pm-04:50pm W, Room TBA, DULUTH; Hrabik, Thomas R, 3 cr				
5831	Plant Population and Community Ecology (A-F only; prereq 2801)				
	001 LEC, 11:00am-11:50am WF, BohH 343; Schimpf, David J				
31039	002 LAB, 01:00pm-04:50pm F, LSci 230; Schimpf, David J, 4 cr				
5867	Managing and Monitoring Lakes and Streams (A-F only; prereq 2801, 2802, 5833 or 5861 or instructor consent)				
30160	001 LEC, 08:00am-08:50am MWF, LSci 175; Richards, Carl, 3 cr				
8099	The Biological Practitioner (S-N only; prereq Grad student in biol or related field)				
11023	001 SEM, 03:00pm-04:50pm M, LSci 231, 1 cr				
8333	FTE: Master's (NGA; prereq Master's \geq 1/3 student, adviser and DGS consent)				
11345	001 DRS, 1 cr				
8777	Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))				
11376	001 THE, 1-18 cr				
8994	Graduate Research (max crs 10; 10 repeats allowed; S-N only; prereq Grad student in biol or related field)				
11338	001 DST, 1-4 cr				

BUSINESS LAW (BLaw) School of Business & Economics

2001	The Legal Environment (A-F only; prereq Min 30 cr.; meets LE req of LE CAT8)				
10685	001 LEC, 08:00am-08:50am MWF, MonH 80; Skalberg, Randall Kirk, 3 cr				
11254	002 LEC, 08:00am-09:15am TTh, MonH 80, 3 cr				
11756	003 LEC, 06:00pm-08:40pm Th, SBE 32; 2 seats reserved for Continuing Education, 4 cr				
3001	Law and Ethics for Financial Professionals (A-F only; prereq LSBE cand or department consent; credit will not be granted if credit received for 3101)				
12104	001 LEC, 11:00am-12:15pm TTh, SBE 20; Roline, Alan C, 3 cr				

CHEMICAL ENGINEERING (ChE) College of Science & Engineering

1011	Introduction to Chemical Engineering. (A-F only; prereq High school chem, high school algebra; meets LE req of LE CAT5)				
10254	001 LEC, 02:00pm-03:15pm TTh, Engr 177, 3 cr				
2001	Introduction to Environmental Engineering (A-F only; prereq High school chem, high school algebra; meets LE req of LE CAT4)				
10162	001 LEC, 05:00pm-09:00pm T, Engr 290, 3 cr				

2111	Material and Energy Balances (prereq Chem 1151 or Chem 1161)	5021	Transport Phenomena (A-F only; prereq 3112 or grad student or instr consent)	10473	029 DIS, 12:00pm-12:50pm Th, Room TBA 030 LAB, 02:00pm-02:50pm M, Chem 301, 5 cr	
10169	001 LEC, 03:30pm-04:45pm TTh, Engr 177; Hasan, Abu Rashid, 3 cr	29775	001 LEC, 08:00am-08:50am MWF, Engr 118; Rother, Michael Anthony, 3 cr	10475	031 DIS, 01:00pm-01:50pm Th, Room TBA 032 LAB, 09:00am-11:50am T, Chem 301, 5 cr	
3031	Computational Methods in Chemical Engineering (A-F only; prereq B.S.Ch.E. candidate, 2111, Math 3280)	CHEMISTRY (Chem) College of Science & Engineering			10477	033 DIS, 12:00pm-12:50pm Th, MWAH 191 034 LAB, 09:00am-11:50am T, Chem 301, 5 cr
	001 LEC, 02:00pm-03:15pm TTh, Engr 204; Class meets in 204 EB; Davis, Richard A	1102	Aspects of Chemistry (max crs 4; A-F only; prereq Credit will not be granted if credit has been received for: 1113, 1151, 1161 or 2172; meets LE req of LE CAT4; meets LE req of LE CAT5)	10479	035 DIS, 01:00pm-01:50pm Th, Room TBA 036 LAB, 09:00am-11:50am T, Chem 301, 5 cr	
12148	002 LAB; Davis, Richard A, 3 cr	10669	002 LAB, 03:00pm-04:50pm W, Chem 316; 1 seat reserved for Continuing Education, 3-4 cr	10481	037 DIS, 01:00pm-01:50pm Th, Engr 118 038 LAB, 02:00pm-04:50pm T, Chem 301, 5 cr	
3111	Fluid Mechanics (A-F only; prereq Engr 2015, Math 3280)	10670	003 LAB, 03:00pm-04:50pm Th, Chem 316, 3-4 cr	10483	039 DIS, 12:00pm-12:50pm Th, Engr 177 040 LAB, 09:00am-11:50am W, Chem 301, 5 cr	
10092	001 LEC, 01:00pm-01:50pm MWF, Engr 290; Sternberg, Steven P, 3 cr	11962	004 LAB, 12:00pm-01:50pm F, Chem 316, 3-4 cr	10485	041 DIS, 01:00pm-01:50pm Th, Engr 280 042 LAB, 09:00am-11:50am W, Chem 301, 5 cr	
3112	Heat and Mass Transfer (A-F only; prereq 3111)	11221	020 LET, 08:00am-09:15am TTh, SCC 120; (meets with sec 1 lec); Meets with: 10668 CHEM 1102; Fulkrod, John E, 3-4 cr	10487	043 DIS, 01:00pm-01:50pm Th, Chem 155 044 LAB, 09:00am-11:50am W, Chem 301, 5 cr	
11772	001 LEC, 03:30pm-04:45pm TTh, Engr 290; Rutkowski, Gregory, 3 cr	11221	020 LET, 08:00am-09:15am TTh, SCC 120; (meets with sec 1 lec); Meets with: 10668 CHEM 1102; Fulkrod, John E, 3-4 cr	10489	045 DIS, 12:00pm-12:50pm Th, Chem 200 046 LAB, 08:00am-10:50am Th, Chem 301, 5 cr	
3211	Chemical Engineering Laboratory I (A-F only; prereq 3111)	1113	Introduction to General, Organic, and Biological Chemistry I (A-F only; prereq Credit will not be granted if credit has been received for: 1151, 1161, 2172; for students terminating study of chem with no more than 10 cr; meets LE req of LE CAT4)	11267	047 DIS, 12:00pm-12:50pm Th, H 480 048 LAB, 08:00am-10:50am Th, Chem 301, 5 cr	
12365	001 LAB, 03:00pm-04:50pm T, Engr 165, 02:00pm-02:50pm T, Engr 204, 02:30pm-04:50pm Th, Engr 165; Sternberg, Steven P, 3 cr	10446	001 LEC, 01:00pm-01:50pm MTWThF, Chem 150; Fulkrod, John E	11269	049 DIS, 01:00pm-01:50pm Th, Chem 153 050 LAB, 09:00am-11:50am F, Chem 301, 5 cr	
3241	Principles of Particle Technology (A-F only; prereq B.S.Ch.E. candidate, 2111, Phys 2012, Math 3280 or instr consent; Credit will not be granted if credit has been received for: 4621)	10447	002 LAB, 09:00am-10:50am T, Chem 320, 5 cr	11819	051 DIS, 12:00pm-12:50pm Th, Chem 155 052 LAB, 09:00am-11:50am F, Chem 301, 5 cr	
	001 LEC, 10:00am-10:50am MW, VKH 221; Lodge, Keith B	10448	003 LAB, 11:00am-12:50pm T, Chem 320, 5 cr	12220	053 DIS, 12:00pm-12:50pm Th, Chem 153 054 LAB, 09:00am-11:50am M, Chem 316, 5 cr	
12146	002 LAB, 10:00am-11:50am T, Engr 114; Lodge, Keith B, 3 cr	11659	004 LAB, 02:00pm-03:50pm W, Chem 320, 5 cr	1152	General Chemistry II (A-F only; prereq 1151 or 1161; Credit will not be granted if credit has been received for: 1162, Credit will not be granted if credit has been received for: 2172)	
12147	003 LAB, 10:00am-11:50am Th, Engr 114; Lodge, Keith B, 3 cr		005 LAB, 11:00am-12:50pm F, Chem 320, 5 cr		001 LEC, 01:00pm-01:50pm MWThF, LSci 175; Evans, John F	
12584	004 LAB, 04:00pm-05:50pm Th, Engr 114; Lodge, Keith B, 3 cr	1151	General Chemistry I (A-F only; prereq High school chem, high school algebra; Credit will not be granted if credit has been received for: 1161, 2172; meets LE req of LE CAT4)	11430	002 DIS, 01:00pm-01:50pm T, Room TBA 003 LAB, 02:00pm-04:50pm M, Chem 316, 5 cr	
3791	Independent Study (max crs 3; 3 repeats allowed; prereq BSChE cand, department consent)	10452	001 LEC, 10:00am-10:50am MTWF, Chem 200; Splan, Patricia Rae	11432	004 DIS, 01:00pm-01:50pm T, Room TBA 005 LAB, 10:00am-12:50pm T, Chem 316, 5 cr	
10152	001 LEC, 1-3 cr	10454	002 DIS, 08:00am-08:50am Th, Room TBA	11434	006 DIS, 01:00pm-01:50pm T, Room TBA 007 LAB, 02:00pm-04:50pm T, Chem 316, 5 cr	
3894	Chemical Engineering Research (max crs 6; 6 repeats allowed; prereq BSChE cand, max 6 cr in 3994)	10455	003 LAB, 02:00pm-04:50pm M, Chem 301, 5 cr	11661	008 DIS, 12:00pm-12:50pm T, Room TBA 009 LAB, 10:00am-12:50pm W, Chem 316, 5 cr	
10153	001 LAB, 1-3 cr	10456	004 DIS, 09:00am-09:50am Th, Room TBA	11663	010 DIS, 12:00pm-12:50pm T, Room TBA 011 LAB, 09:00am-11:50am Th, Chem 316, 5 cr	
3951	Cooperative Education (max crs 20; 20 repeats allowed; prereq BSChE cand, department consent)	10458	005 LAB, 02:00pm-04:50pm M, Chem 301, 5 cr	1161	Honors: General Chemistry I (A-F only; prereq High school chem and high school algebra or dept consent, Credit will not be granted if credit has been received for: 1151, 2172; meets HON req of Honors; meets LE req of LE CAT4)	
10170	001 IEX; Hasan, Abu Rashid, 1-6 cr	10460	006 DIS, 08:00am-08:50am Th, Room TBA		001 LEC, 10:00am-10:50am MTWF, Chem 150; Nemykin, Viktor N.	
3994	Honors Chemical Engineering Research (max crs 6; 6 repeats allowed; A-F only; prereq BSChE cand and department consent; meets HON req of Honors)	10462	007 LAB, 02:00pm-04:50pm T, Chem 301, 5 cr	10692	002 DIS, 09:00am-09:50am T, Room TBA 003 LAB, 02:00pm-04:50pm M, Chem 320, 5 cr	
10154	001 LAB, 1-3 cr	10464	008 DIS, 09:00am-09:50am Th, Room TBA	10694	004 DIS, 08:00am-08:50am T, Room TBA 005 LAB, 02:00pm-04:50pm T, Chem 320, 5 cr	
4111	Separations (A-F only; prereq 3112; no Grad School credit)	10466	009 LAB, 02:00pm-04:50pm T, Chem 301, 5 cr	10696	006 DIS, 08:00am-08:50am T, Room TBA 007 LAB, 10:00am-12:50pm Th, Chem 320, 5 cr	
	001 LEC, 11:00am-11:50am WF, Engr 177; Class meets in 204 EB on Mondays; Davis, Richard A	10470	010 DIS, 08:00am-08:50am Th, Room TBA	11964	008 DIS, 09:00am-09:50am T, BohH 343 009 LAB, 02:00pm-04:50pm Th, Chem 320, 5 cr	
11225	002 LAB, 11:00am-11:50am M, Engr 204; Davis, Richard A, 3 cr	11425	011 LAB, 02:00pm-04:50pm W, Chem 301, 5 cr	1191	Independent Study (max crs 4; 4 repeats allowed; A-F only; prereq Department consent)	
4211	Chemical Engineering Laboratory II (A-F only; prereq 3211; no Grad School credit)	11427	012 DIS, 09:00am-09:50am Th, BohH 343	10781	001 IND, 1-2 cr	
10902	001 LAB, 12:00pm-01:50pm T, Engr 165, 02:00pm-02:50pm T, Engr 204, 12:00pm-02:20pm Th, Engr 165; Sternberg, Steven P, 3 cr	12178	013 LAB, 02:00pm-04:50pm W, Chem 301, 5 cr	2222	Quantitative Analysis (A-F only; prereq 1152 or 1162)	
10903	002 LAB, 03:00pm-04:50pm T, Engr 165, 02:00pm-02:50pm T, Engr 204, 02:30pm-04:50pm Th, Engr 165; Sternberg, Steven P, 3 cr		014 DIS, 08:00am-08:50am Th, H 480	10712	001 LEC, 10:00am-10:50am MWF, LSci 175; Poe, Donald Patrick, 3 cr	
4301	Chemical Reaction Engineering (A-F only; prereq 3112; no Grad School credit)		015 LAB, 02:00pm-04:50pm W, Chem 301, 5 cr			
10144	001 LEC, 09:00am-09:50am MWF, Engr 280; Lodge, Keith B, 3 cr		016 DIS, 09:00am-09:50am Th, H 480			
4501	Chemical Engineering Design I (A-F only; prereq 2121, 3231, 4111, 4211, 4301; no Grad School credit)		017 LAB, 11:00am-01:50pm Th, Chem 301, 5 cr			
	001 LEC, 02:00pm-03:50pm MWF, Engr 118; Rother, Michael Anthony		018 DIS, 08:00am-08:50am Th, BohH 343			
11159	002 LAB, 03:15pm-05:00pm TTh, Engr 204; Rother, Michael Anthony, 4 cr		019 LAB, 11:00am-01:50pm Th, Chem 301, 5 cr			
			020 DIS, 08:00am-08:50am Th, Engr 118			
			021 LAB, 11:00am-01:50pm Th, Chem 301, 5 cr			
			022 DIS, 09:00am-09:50am Th, Library 409			
			023 LAB, 02:00pm-04:50pm Th, Chem 301, 5 cr			
			024 DIS, 09:00am-09:50am Th, MWAH 195			
			025 LAB, 02:00pm-04:50pm Th, Chem 301, 5 cr			
			026 DIS, 08:00am-08:50am Th, Chem 153			
			027 LAB, 02:00pm-04:50pm Th, Chem 316, 5 cr			
			028 LEC, 12:00pm-12:50pm MTWF, Chem 200			

2223 Quantitative Analysis Laboratory (A-F only; prereq concurrent registration is required (or allowed) in 2222)	4435 Inorganic Chemistry Laboratory (A-F only; prereq concurrent registration is required (or allowed) in 4434)	3117 Functional Anatomy and Sport Injury Management (A-F only; prereq Current Red Cross First Aid and CPR card or Hlth 1600, Credit will not be granted if credit has been received for: 3116)
11664 001 LAB, 02:00pm-04:50pm M, Chem 232; Poe, Donald Patrick, 1 cr	11670 001 LAB, 08:00am-10:50am T, Chem 347; Kiprof, Paul, 1 cr	29935 001 LEC, 09:00am-09:50am MWF, SpHC 21, 3 cr
11665 002 LAB, 09:00am-11:50am T, Chem 232; Poe, Donald Patrick, 1 cr	11969 002 LAB, 02:00pm-04:50pm T, Chem 347; Kiprof, Paul, 1 cr	3150 Coaching Methods (A-F only; prereq Coaching minor or instr consent)
11666 003 LAB, 02:00pm-04:50pm T, Chem 232; Poe, Donald Patrick, 1 cr	4632 Physical Chemistry (A-F only; prereq Phys 2012, 2 years of chemistry)	10805 001 LEC, 09:30am-10:45am TTh, Room TBA, DULUTH, 09:30am-10:45am TTh, Room TBA, DULUTH; Knapp, Jim L, 3 cr
11667 004 LAB, 02:00pm-04:50pm W, Chem 232; Poe, Donald Patrick, 1 cr	10768 001 LEC, 10:00am-10:50am MTWF, Chem 251; Tsai, Bilin Paula, 4 cr	3160 Psychoanalytic Aspects of Coaching and Athletic Performance (A-F only; prereq Coaching minor or instr consent)
11668 005 LAB, 09:00am-11:50am Th, Chem 232; Poe, Donald Patrick, 1 cr	4633 Physical Chemistry Laboratory (A-F only; prereq concurrent registration is required (or allowed) in 4632)	10890 001 LEC, 08:00am-08:50am MWF, SpHC 208, 3 cr
11965 006 LAB, 03:00pm-05:50pm Th, Chem 232; Poe, Donald Patrick, 1 cr	11671 001 LAB, 02:00pm-04:50pm M, Chem 342; Tsai, Bilin Paula, 1 cr	3161 Administrative Aspects of Coaching (A-F only; prereq Coaching minor or instr consent)
2521 Organic Chemistry I (A-F only; prereq 1152 or 1162)	11672 002 LAB, 02:00pm-04:50pm T, Chem 342; Tsai, Bilin Paula, 1 cr	10278 001 LEC, 02:00pm-02:50pm MWF, SpHC 208, 3 cr
001 LEC, 01:00pm-01:50pm MWF, Chem 200; Zhdankin, Viktor	11967 003 LAB, 09:00am-11:50am F, Chem 342; Tsai, Bilin Paula, 1 cr	3170 Coaching and Officiating Football (A-F only; prereq Coaching minor or instructor consent)
10857 002 LAB, 02:30pm-04:20pm M, Chem 206, 4 cr	4641 Physical Chemistry I (A-F only; prereq 2 yrs chem, Math 3280, Phys 2012)	11305 001 LEC, 06:00pm-07:50pm T, SpHC 212, 06:00pm-07:50pm x, 2 cr
10858 003 LAB, 02:30pm-04:20pm M, Chem 206, 4 cr	10778 001 LEC, 08:00am-08:50am MWF, Chem 150; Siders, Paul D, 3 cr	3171 Coaching and Officiating Basketball (A-F only; prereq Coaching minor or instructor consent)
10859 004 LAB, 09:00am-10:50am T, Chem 206, 4 cr	4643 Physical Chemistry Laboratory I (A-F only; prereq concurrent registration is required (or allowed) in 4641.)	11282 001 LEC, 06:00pm-07:50pm Th, SpHC 212, 2 cr
10860 005 LAB, 09:00am-10:50am T, Chem 206, 4 cr	11673 001 LAB, 09:00am-11:50am T, Chem 342; Siders, Paul D, 1 cr	3172 Coaching and Officiating Volleyball (A-F only; prereq Coaching minor or instructor consent)
10861 006 LAB, 02:30pm-04:20pm T, Chem 206, 4 cr	11674 002 LAB, 02:00pm-04:50pm W, Chem 342; Siders, Paul D, 1 cr	11620 001 LEC, 06:00pm-07:50pm M, SpHC 212, 06:00pm-07:50pm M, SpHC 150; Also need SpHC 150, 2 cr
10862 007 LAB, 02:30pm-04:20pm T, Chem 206, 4 cr	11968 003 LAB, 09:00am-11:50am Th, Chem 342; Siders, Paul D, 1 cr	3173 Coaching and Officiating Baseball (A-F only; prereq Coaching minor or instructor consent)
10863 008 LAB, 02:30pm-04:20pm W, Chem 206, 4 cr	12223 004 LAB, 02:00pm-04:50pm Th, Chem 342; Siders, Paul D, 1 cr	12143 001 LEC, 2 cr
10864 009 LAB, 09:00am-10:50am Th, Chem 206, 4 cr	5994 Directed Research in Chemistry (max crs 9; 3 repeats allowed; prereq sr or grad in the sciences or engineering or instructor consent)	3175 Coaching and Officiating Ice Hockey (A-F only; prereq Coaching minor or instructor consent)
10865 010 LAB, 09:00am-10:50am Th, Chem 206, 4 cr	12360 001 DRS, 1-3 cr	11283 001 LEC, 06:00pm-07:50pm W, SpHC 210, 2 cr
10866 011 LAB, 12:00pm-01:50pm Th, Chem 206, 4 cr	8184 Seminar (S-N only; prereq Grad chem major or instructor consent)	3991 Independent Study (A-F only; prereq Coaching minor and instr consent)
10867 012 LAB, 12:00pm-01:50pm Th, Chem 206, 4 cr	10804 001 SEM, 03:00pm-04:05pm F, Chem 150; Poe, Donald Patrick, 1 cr	11001 001 IND; Collins, Donald T, 2 cr
11561 013 LAB, 02:30pm-04:20pm Th, Chem 206, 4 cr	8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)	3997 Coaching Practicum (S-N only; prereq Coaching minor and instr consent)
11883 014 LAB, 02:30pm-04:20pm Th, Chem 206, 4 cr	11346 001 DRS, 1 cr	10423 001 PRC; Collins, Donald T, 2 cr
2522 Organic Chemistry II (A-F only; prereq 2521)	8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)	
001 LEC, 11:00am-11:50am MWF, Chem 150	11357 001 DRS, 1 cr	
11436 002 LAB, 09:00am-10:50am T, Chem 206, 4 cr	8666 Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral exam)	
11966 003 LAB, 02:30pm-04:20pm T, Chem 206, 4 cr	11366 001 THE, 1-18 cr	
11669 004 LAB, 02:30pm-04:20pm W, Chem 206, 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))	
3184 Undergraduate Seminar (max crs 2; S-N only; prereq B.S. chem or biochem/molecular biol majors)	11377 001 THE, 1-18 cr	
10710 001 SEM, 1 cr	8888 Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)	
3194 Undergraduate Research (max crs 30; 10 repeats allowed; S-N only; prereq dept consent)	11396 001 THE, 1-24 cr	
10785 001 IND, 1-3 cr	COACHING (CC) College of Education & Human Service Professions	
4184 Undergraduate Seminar I (S-N only; prereq BS Chem or BS BMB Major; Senior standing)	3101 Sport Science Applications (A-F only; prereq Coaching minor or instr consent, Credit will not be granted if credit has been received for: 3100)	
32421 001 SEM, 02:00pm-02:50pm F, Chem 155, 03:00pm-04:05pm F, Chem 150, 1 cr	29937 001 LEC, 08:00am-09:15am TTh, SpHC 212, 3 cr	
4342 Molecular Biology (A-F only; prereq 4341 or instr consent)		
11437 001 LEC, 08:00am-09:50am TTh, Chem 150; Chang, Leng Chee, 4 cr		
4364 Molecular Biology Laboratory (A-F only; prereq 4363. Concurrent registration is required (or allowed) in 4342)		
11438 001 LAB, 01:00pm-04:50pm W, MWAH 55; Chang, Leng Chee, 2 cr		
11439 002 LAB, 10:00am-01:50pm Th, MWAH 55; Chang, Leng Chee, 2 cr		
4434 Inorganic Chemistry (A-F only; prereq 4632 or 4642)		
11024 001 LEC, 11:00am-11:50am MTWF, Chem 155; Kiprof, Paul, 4 cr		

COLLEGE OF LIBERAL ARTS (CLA)**College of Liberal Arts**

1001 Learning Community Integrative Seminar (max crs 2; A-F only; prereq Freshman, fewer than 30 cr, college consent)	12108 001 SEM, 01:00pm-01:50pm TTh, Cina 308, 09/06/05-10/31/05, 1 cr
	12109 002 SEM, 03:00pm-03:50pm MW, H 458, 09/06/05-10/31/05, 1 cr
	12110 003 SEM, 01:00pm-01:50pm TTh, SpHC 207, 09/06/05-10/31/05, 1 cr
	12111 004 SEM, 10:00am-10:50am TTh, MWAH 195, 09/06/05-10/31/05, 1 cr
	12112 005 SEM, 10:00am-10:50am TTh, BohH 112, 09/06/05-10/31/05, 1 cr
	12113 006 SEM, 11:00am-11:50am TTh, BohH 112, 09/06/05-10/31/05, 1 cr
	12114 007 SEM, 03:00pm-03:50pm MW, SpHC 208, 09/06/05-10/31/05, 1 cr
	12115 008 SEM, 09:00am-09:50am WF, BohH 346, 09/06/05-10/31/05, 1 cr
	12116 009 SEM, 02:00pm-02:50pm MW, ABAH 235, 09/06/05-10/31/05, 1 cr
	12117 010 SEM, 01:00pm-01:50pm WF, ABAH 235, 09/06/05-10/31/05, 1 cr

12118 011 SEM, 12:00pm-12:50pm TTh, Cina 224,
09/06/05-10/31/05, 1 cr
30995 012 SEM, 11:00am-11:50am TTh, BohH 346,
09/06/05-10/31/05, 1 cr

COMMUNICATION (Comm) College of Liberal Arts

1000 Human Communication Theory

(A-F only; meets LE req of LE CAT3)

29893 001 LEC, 06:00pm-08:40pm T, BohH 90;
Sunnaf Frank, Michael J, 3 cr

1112 Public Speaking

(A-F only; meets LE req of LE CAT3)

11766 001 LEC, 08:00am-08:50am MWF, ABAH
435, 3 cr

11767 002 LEC, 09:00am-10:15am WF, ABAH 435,
3 cr

10401 003 LEC, 11:00am-11:50am MWF, ABAH
435; 4 seats reserved for Learning
Community F05, 3 cr

10402 004 LEC, 02:00pm-02:50pm MWF, ABAH
445, 3 cr

10403 005 LEC, 08:00am-09:15am TTh, ABAH 435;
4 seats reserved for Learning Community
F05, 3 cr

10404 006 LEC, 09:30am-10:45am TTh, ABAH 435;
Carlson, Kristin Hope, 3 cr

10405 007 LEC, 02:30pm-03:45pm TTh, ABAH 435;
Carlson, Kristin Hope, 3 cr

11025 008 LEC, 04:00pm-05:15pm TTh, ABAH 435;
1 seat reserved for Continuing Education;
Nelson, Elizabeth Jean, 3 cr

11026 009 LEC, 09:00am-09:50am MWF, ABAH
425, 3 cr

11407 010 LEC, 03:00pm-03:50pm MWF, ABAH
435, 3 cr

11257 011 LEC, 04:00pm-05:15pm MW, ABAH 435,
3 cr

32629 012 LEC, 06:00pm-08:30pm T, ABAH 435, 3
cr

11903 090 LEC, 06:00pm-08:30pm M, ABAH 425;
Titus, Barbara Jean, 3 cr

1222 Interpersonal Communication

(A-F only; meets LECD req of LECD CAT03)

10406 001 LEC, 08:00am-08:50am MWF, ABAH
425; 8 seats reserved for Learning
Community F05, 3 cr

10407 002 LEC, 08:00am-08:50am MWF, ABAH
445; 8 seats reserved for Learning
Community F05; Lewis, Geri Lee, 3 cr

10408 003 LEC, 09:00am-09:50am MWF, ABAH
445; 8 seats reserved for Learning
Community F05, 3 cr

10409 004 LEC, 01:00pm-01:50pm MWF, ABAH
425; 8 seats reserved for Learning
Community F05; Lewis, Geri Lee, 3 cr

10410 005 LEC, 01:00pm-01:50pm MWF, ABAH
445, 3 cr

11028 006 LEC, 08:00am-09:15am TTh, ABAH 445,
3 cr

11029 007 LEC, 09:30am-10:45am TTh, ABAH 445,
3 cr

11258 008 LEC, 01:00pm-02:15pm TTh, ABAH 425;
8 seats reserved for Learning Community
F05; 1 seat reserved for Continuing
Education; Sunnaf Frank, Michael J, 3 cr

11260 009 LEC, 03:00pm-03:50pm MWF, ABAH
445, 3 cr

11308 010 LEC, 04:00pm-05:15pm MW, ABAH 445,
3 cr

32630 011 LEC, 04:00pm-05:15pm TTh, ABAH 425,
3 cr

32631 012 LEC, 06:00pm-08:30pm M, ABAH 425, 3
cr

11904 090 LEC, 06:00pm-08:30pm W, ABAH 425; 4
seats reserved for Continuing Education;
Titus, Barbara Jean, 3 cr

1500 Media and Society

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

29899 001 LEC, 02:00pm-03:15pm TTh, MonH 80;
Pfau, Michael W, 3 cr

2101 Foundations of Mass Communication

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

11768 090 LEC, 06:00pm-08:30pm T, ABAH 425;
Petersen-Perliman, Deborah Susan, 3 cr

2505 Analysis of Public Discourse

(A-F only; prereq 1112)

29900 001 LEC, 11:00am-12:15pm TTh, ABAH 445;
Pfau, Michael W, 3 cr

2929 Intercultural Communication

(meets LEIP req of LEIP CAT06)

10412 001 LEC, 06:00pm-09:40pm Th, H 490; 1
seat reserved for Continuing Education, 4 cr

29922 090 LEC, 06:00pm-09:40pm Th, ABAH 445;
Sunnaf Frank, Michael J, 4 cr

3115 Persuasion and Argumentation in Public Speaking

(A-F only; prereq 1112, 2505)

10413 090 LEC, 06:00pm-09:40pm T, ABAH 445;
Nelson, Elizabeth Jean, 4 cr

3116 Professional Communication

(A-F only; prereq 1112, 2505)

10416 001 LEC, 11:00am-12:40pm TTh, ABAH 435;
Carlson, Kristin Hope, 4 cr

3200 Interpersonal Communication Theory

(A-F only; prereq 1000 or 1222)

11227 001 LEC, 03:00pm-04:15pm TTh, ABAH 445;
Goei, Ryan Christopher, 3 cr

3205 Relationship Communication

(A-F only; prereq 1222)

11562 001 LEC, 10:00am-10:50am MWF, ABAH
445; Lewis, Geri Lee, 3 cr

11563 002 LEC, 12:00pm-12:50pm MWF, ABAH
425; Lewis, Geri Lee, 3 cr

3210 Group Communication

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

12055 001 LEC, 02:00pm-03:40pm WF, ABAH 425,
02:00pm-03:50pm F, ABAH 425; Fediuk,
Thomas A, 4 cr

12056 002 LEC, 08:00am-09:40am TTh, ABAH 425;
Botero, Isabel C, 4 cr

3211 Communication and Technology in the Information Age

(A-F only)

29924 001 LEC, 02:30pm-03:45pm TTh, ABAH 425;
Skalski, Paul, 3 cr

3215 Conflict Management

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

12474 001 LEC, 11:00am-11:50am MWF, ABAH
445; Pepper, Jerry, 3 cr

3223 Communication and Creativity

(A-F only; prereq credit will not be granted if
credit received for 3123, 30 cr or instructor
consent)

11833 001 LEC, 12:00pm-12:50pm MWF, ABAH
445; Pepper, Jerry, 3 cr

3300 Teaching Assistantship in Communication

(max crs 6; 6 repeats allowed; S-N only; prereq
60 cr Comm major or minor, instructor consent,
may not be applied to elective cr for a Comm
major or minor)

10421 001 LAB; Nelson, Elizabeth Jean, 1-3 cr

3390 Special Topics: (Various Titles to be Assigned)

(max crs 6; A-F only)

29925 001 LEC, 01:00pm-02:15pm TTh, ABAH 435;
Botero, Isabel C, 3 cr

29926 002 LEC, 04:30pm-05:45pm TTh, ABAH 445;
Skalski, Paul, 3 cr

3395 Special Topics: (Various Titles to be Assigned)

(max crs 6; A-F only)

29927 001 LEC, 10:00am-10:50am MWF, ABAH
435; Fediuk, Thomas A, 3 cr

29928 002 LEC, 12:00pm-12:50pm MWF, H 458;
Fediuk, Thomas A, 3 cr

29929 003 LEC, 06:00pm-08:30pm Th, ABAH 425;
Skalski, Paul, 3 cr

4200 Communication in Organizations

(A-F only; prereq 60 cr or instructor consent)

10419 001 LEC, 11:00am-12:40pm TTh, ABAH 425;
Botero, Isabel C, 4 cr

4394 Directed Research in Communication

(max crs 6; 6 repeats allowed; A-F only; prereq
60 cr, comm major, instructor consent; max 3 cr
may be applied to comm major)

11550 001 DRS; Nelson, Elizabeth Jean, 1-3 cr

4397 Internship in Communication

(max crs 8; 8 repeats allowed; S-N only; prereq
max 3 cr apply to comm major/minor
requirements, 79 cr comm major/minor,
2.50 GPA in major/minor; no Grad School credit)

10420 001 IEX; Nelson, Elizabeth Jean, 1-8 cr

4399 Directed Projects in Communication

(max crs 6; 6 repeats allowed; S-N; prereq 60
cr, comm major, instructor consent; max 3 cr
may be applied to comm major; no Grad School
credit)

11551 001 DST; Nelson, Elizabeth Jean, 1-3 cr

4505 Media Theory and Research

(A-F only; prereq 1500 or 2101, 60 cr or
instructor consent; no Grad School credit)

30089 001 LEC, 01:00pm-02:40pm TTh, ABAH 445;
Petersen-Perliman, Deborah Susan, 4 cr

5200 Communication and Organizational Creativity

(A-F only; prereq 4200 or Grad School student or
instructor consent)

30090 001 LEC, 02:00pm-04:30pm M, ABAH 425;
Pepper, Jerry, 3 cr

5300 Teaching Methods in Communication

(S-N only; prereq 79 cr or Grad or instructor
consent)

11628 090 LEC, 06:00pm-08:30pm M, ABAH 445;
Pepper, Jerry, 3 cr

COMMUNICATION SCIENCES

AND DISORDERS (CSD)

College of Education & Human

Service Professions

2001 American Sign Language Studies I

(meets LECD req of LECD CAT03)

11757 001 LEC, 09:00am-09:50am MWF, Library
409, 3 cr

11758 002 LEC, 10:00am-10:50am MWF, Library
409, 3 cr

11898 003 LEC, 06:00pm-08:30pm M, MonH 30, 3
cr

12410 004 LEC, 06:00pm-08:30pm W, MonH 30, 3
cr

10797 090 LEC, 06:00pm-08:30pm T, MonH 30; 6
seats reserved for Continuing Education, 3 cr

10798 091 LEC, 06:00pm-08:30pm Th, MonH 208; 6
seats reserved for Continuing Education, 3 cr

2230 Human Communication Disorders

(meets LECD req of LECD CAT08)

11987 001 LEC, 10:00am-10:50am MWF, MWAH
195; Carlson, Lynette Rene; Deputy, Paul N.;
Loven, Faith C; Meredith PhD, Amy E.;
Brorson, Kent R; Spillers, Cindy S; Mizuko,
Mark I; Komarek, Rachel Ann, 3 cr

3103 Anatomy of Speech and Hearing Mechanisms

(A-F only; prereq CSD major or instructor
consent)

10176 001 LEC, 10:00am-11:25am TTh, MonH 30;
Loven, Faith C; Meredith PhD, Amy E., 3 cr

3131 Language Development

(A-F only; prereq CSD major or instructor
consent)

11988 001 LEC, 12:00pm-01:50pm MW, MonH 30;
Brorson, Kent R, 4 cr

3150 Fundamentals and Clinical Applications of Speech Science

(A-F only; prereq 3103, CSD major or instr
consent)

11989 001 LEC, 08:00am-09:15am MW, MonH 30;
Meredith PhD, Amy E., 3 cr

3200 Articulation and Phonological Disorders

(A-F only; prereq 1100, 2230, CSD major or instr
consent)

11088 001 LEC, 11:00am-11:50am MWF, MonH 30;
Carlson, Lynette Rene, 3 cr

4142 Introduction to Diagnosis of Communication Disorders

(A-F only; prereq 1100, 2230, 3103, 3131, 3150,
3160, 3200, 3232, 3241, CSD major, no Grad
School credit)

11990 001 LEC, 02:00pm-02:50pm TTh, H 403;
Brorson, Kent R, 2 cr

4197	Clinical Practicum in Communication Disorders (A-F only; prereq 1100, 2230, 3130, 3150, 3160, 3131, 3200, 3232, 3241, CSD candidate, C grade or better in 3241, no Grad School credit)				
10968	001 PRC, 12:00pm-12:50pm F, MonH 30; Carlson, Lynette Rene; John, Lynda Barker; Komarek, Rachel Ann; Meredith PhD, Amy E.; Mizuko, Mark I; Spillers, Cindy S; Brorson, Kent R; Olson, Jana D, 3 cr				
4400	Hearing Disorders and Evaluation (A-F only; prereq 3103, 3160, CSD candidate or instr consent)				
10177	001 LEC, 02:00pm-03:25pm MW, MonH 30; Loven, Faith C, 3 cr				
5003	American Sign Language Studies III (prereq 2002 or instr consent; no Grad School credit)				
12413	001 LEC, 02:00pm-03:15pm TTh, MonH 206, 3 cr				
11241	090 LEC, 06:00pm-08:30pm T, MonH 206; 5 seats reserved for Continuing Education, 3 cr				
5005	American Sign Language V (A-F only; prereq 5004 or instr consent; no Grad School credit)				
11734	090 LEC, 06:00pm-08:30pm M, MonH 206; 5 seats reserved for Continuing Education, 3 cr				
5010	Portfolio Development (A-F only; prereq CSD major or instr consent)				
31112	001 LEC, 09:00am-09:50am F, SCC 42; Mizuko, Mark I, 1 cr				
5091	Independent Study (max crs 6; 6 repeats allowed; prereq Sr or grad student in CSD or SpEd, department consent)				
10913	001 IND; Carlson, Lynette Rene; Mizuko, Mark I; Loven, Faith C; Spillers, Cindy S; Brorson, Kent R; Meredith PhD, Amy E.; Komarek, Rachel Ann, 1-3 cr				
5240	Dementia: Communication Impairment and Management (max crs 2; A-F only; prereq CSD major or instr consent)				
31113	001 SEM, 10:00am-10:50am F, MonH 30; Mizuko, Mark I, 1-2 cr				
5400	Rehabilitative Procedures for the Hard of Hearing (A-F only; prereq 4400 or equiv, CSD candidate or instr consent)				
31116	001 LEC, 12:30pm-01:50pm TTh, MonH 30; Loven, Faith C, 3 cr				
8097	Internship: Communication Disorders (max crs 12; 12 repeats allowed; A-F only; prereq Can apply max 4 cr to a Graduate School program. 25 hrs supervised clinical observation, CSD grad student or instructor consent)				
10178	001 PRC, 12:00pm-12:50pm F, MonH 30, 03:30pm-07:00pm Th, MonH 30; Carlson, Lynette Rene; Olson, Jana D; John, Lynda Barker; Spillers, Cindy S; Mizuko, Mark I; Brorson, Kent R; Meredith PhD, Amy E.; Komarek, Rachel Ann, 1-3 cr				
8205	Advanced Fluency Disorders (prereq 4200 or equiv, CSD grad student or instructor consent)				
31118	001 LEC, 02:00pm-03:25pm TTh, MonH 30; Carlson, Lynette Rene, 3 cr				
8230	Neurogenic Language Disorders (prereq 3103 or equiv, CSD grad student or instructor consent)				
11615	001 LEC, 08:30am-09:45am TTh, MonH 30; Mizuko, Mark I; Carlson, Lynette Rene, 3 cr				
8297	Audiology Practicum (max crs 4; 4 repeats allowed; S-N only; prereq 5400, 8400, CSD grad student or instructor consent; Cannot apply more than 2 cr to a Graduate School program)				
10179	001 PRC; Loven, Faith C, 1-2 cr				
		COMPOSITION (Comp)			
		College of Liberal Arts			
1015	Freshman Seminar: Honors, Cyber Theory and Practice (A-F only; prereq college consent, freshman, fewer than 30 cr, Credit will not be granted if credit has been received for: 1005; meets HON req of Honors; meets LE req of LE CAT7)				
12647	001 SEM, 12:00pm-12:50pm MWF, BohH 343, 3 cr				
1017	Freshman Seminar: Honors, The Rhetoric of Popular Culture (A-F only; prereq College consent, freshman, fewer than 30 cr, or will not be granted if credit received for comp 1007.; meets HON req of Honors; meets LE req of LE CAT8)				
12120	001 SEM, 08:00am-09:15am TTh, Cina 106, 08:00am-09:15am T, SCC 42, 3 cr				
1120	College Writing (A-F only; prereq Students speaking English as a second language must have TOEFL score of 550; meets LE req of LE CAT1)				
10023	001 LEC, 08:00am-08:50am MF, BohH 104				
	002 LAB, 08:00am-08:50am W, H 470, 3 cr				
	003 LEC, 08:00am-08:50am MF, H 468				
10025	004 LAB, 08:00am-08:50am W, SCC 42, 3 cr				
	005 LEC, 08:00am-09:15am T, BohH 104				
10027	006 LAB, 08:00am-09:15am Th, H 470, 3 cr				
	007 LEC, 08:00am-09:15am T, H 480				
10029	008 LAB, 08:00am-09:15am Th, SCC 42, 3 cr				
	009 LEC, 08:00am-08:50am WF, BohH 112				
10031	010 LAB, 08:00am-08:50am M, H 470, 3 cr				
	011 LEC, 08:00am-09:15am T, H 468				
10033	012 LAB, 08:00am-09:15am T, H 470, 3 cr				
	013 LEC, 02:00pm-03:15pm T, Room TBA, DULUTH				
10035	014 LAB, 02:00pm-03:15pm Th, H 470, 3 cr				
	015 LEC, 01:00pm-01:50pm WF, H 468				
10037	016 LAB, 01:00pm-01:50pm M, H 470, 3 cr				
	017 LEC, 02:00pm-03:15pm Th, H 458				
10039	018 LAB, 02:00pm-03:15pm T, H 470, 3 cr				
	019 LEC, 10:00am-10:50am MF, Engr 280				
10041	020 LAB, 10:00am-10:50am W, H 470, 3 cr				
	021 LEC, 10:00am-10:50am MW, MonH 208				
10043	022 LAB, 10:00am-10:50am F, H 470, 3 cr				
	023 LEC, 11:00am-11:50am WF, BohH 346				
10045	024 LAB, 11:00am-11:50am M, KPlz 143, 3 cr				
	025 LEC, 11:00am-11:50am MF, BohH 104				
10047	026 LAB, 11:00am-11:50am W, H 470, 3 cr				
	027 LEC, 11:00am-11:50am MW, Cina 202				
10049	028 LAB, 11:00am-11:50am F, H 470, 3 cr				
	029 LEC, 11:00am-11:50am WF, H 468				
10051	030 LAB, 11:00am-11:50am M, H 470, 3 cr				
	031 LEC, 09:30am-10:45am T, H 468				
10052	032 LAB, 09:30am-10:45am Th, KPlz 143, 3 cr				
	033 LEC, 12:00pm-12:50pm MW, Cina 202				
10054	034 LAB, 12:00pm-12:50pm F, H 470, 3 cr				
	035 LEC, 12:00pm-12:50pm MF, H 468				
10056	036 LAB, 12:00pm-12:50pm W, H 470, 3 cr				
	037 LEC, 12:00pm-12:50pm WF, VKH 221				
10058	038 LAB, 12:00pm-12:50pm M, H 470, 3 cr				
	039 LEC, 01:00pm-01:50pm MF, MonH 206				
10060	040 LAB, 01:00pm-01:50pm W, KPlz 143, 3 cr				
	041 LEC, 03:30pm-04:45pm Th, HH 216				
10062	042 LAB, 03:30pm-04:45pm T, KPlz 143, 3 cr				
	043 LEC, 09:30am-10:45am T, KPlz 312				
10064	044 LAB, 09:30am-10:45am Th, H 470, 3 cr				
	045 LEC, 09:30am-10:45am Th, H 468				
10066	046 LAB, 09:30am-10:45am T, H 470, 3 cr				
	047 LEC, 02:00pm-02:50pm MF, MonH 208				
11031	048 LAB, 02:00pm-02:50pm W, H 470, 3 cr				
	049 LEC, 02:00pm-02:50pm MW, Chem 155				
11512	050 LAB, 02:00pm-02:50pm F, H 470, 3 cr				
	051 LEC, 02:00pm-02:50pm WF, VKH 221				
11256	052 LAB, 02:00pm-02:50pm M, H 470, 3 cr				
	053 LEC, 03:00pm-03:50pm WF, H 468				
11263	054 LAB, 03:00pm-03:50pm M, H 470, 3 cr				
	055 LEC, 09:30am-10:45am Th, Room TBA, DULUTH				
11272	056 LAB, 09:30am-10:45am T, KPlz 143, 3 cr				
	057 LEC, 03:00pm-04:15pm M, H 468				
11274	058 LAB, 03:00pm-04:15pm W, H 470, 3 cr				
	059 LEC, 03:30pm-04:45pm T, HH 216				
11281	060 LAB, 03:30pm-04:45pm Th, H 470, 3 cr				
	061 LEC, 09:00am-09:50am MW, H 468				
11514	062 LAB, 09:00am-09:50am F, H 470, 3 cr				
	063 LEC, 01:00pm-01:50pm MW, Chem 251				
11516	064 LAB, 01:00pm-01:50pm F, H 470, 3 cr				
		665 LEC, 08:00am-08:50am MW, HH 216			
		666 LAB, 08:00am-08:50am F, H 470, 3 cr			
		067 LEC, 12:00pm-12:50pm MF, SpHC 208			
		068 LAB, 12:00pm-12:50pm W, Engr 204, 3 cr			
		069 LEC, 01:00pm-01:50pm MF, Cina 102			
		070 LAB, 01:00pm-01:50pm W, H 470, 3 cr			
		071 LEC, 12:30pm-01:45pm T, Room TBA, DULUTH			
		072 LAB, 12:30pm-01:45pm Th, Room TBA, DULUTH, 3 cr			
		073 LEC, 09:00am-09:50am MF, H 458			
		074 LAB, 09:00am-09:50am W, H 470, 3 cr			
		090 LEC, 06:00pm-07:15pm T, H 464; 7 seats reserved for Continuing Education			
		091 LAB, 06:00pm-07:15pm Th, H 470; 3 seats reserved for Continuing Education, 3 cr			
		092 LEC, 06:00pm-07:15pm M, H 464; 7 seats reserved for Continuing Education			
		093 LAB, 06:00pm-07:15pm W, H 470; 5 seats reserved for Continuing Education, 3 cr			
1506	Literacy, Technology and Society (A-F only; meets LE req of LE CAT7)				
30007	001 LEC, 09:30am-10:45am TTh, HH 216; Farrell, Thomas James, 3 cr				
3100	Advanced Writing: Language and Literature (A-F only; prereq 1120, 60 cr)				
12433	001 LEC, 12:00pm-12:50pm MWF, BohH 104, 3 cr				
3110	Advanced Writing: Arts and Letters (A-F only; prereq 1120, 60 cr)				
10068	001 LEC, 12:00pm-12:50pm MWF, H 464, 3 cr				
10069	002 LEC, 09:30am-10:45am TTh, H 458, 3 cr				
12726	003 LEC, 02:00pm-03:15pm TTh, Chem 155, 3 cr				
3121	Advanced Writing: Business and Organizations (A-F only; prereq 1120, 60 cr)				
10223	001 LEC, 03:30pm-04:45pm TTh, Cina 224, 3 cr				
10224	002 LEC, 01:00pm-01:50pm MWF, VKH 221, 3 cr				
10225	003 LEC, 12:00pm-12:50pm MWF, Engr 280, 3 cr				
11822	004 LEC, 10:00am-10:50am MWF, H 458, 3 cr				
10226	200 INI; (Individualized Instruction; Instructor consent required), 3 cr				
3130	Advanced Writing: Engineering (A-F only; prereq 1120, 60 cr)				
10070	001 LEC, 02:00pm-02:50pm MW, H 458, 02:00pm-02:50pm F, KPlz 143; Mackiewicz, Jo M, 3 cr				
10071	200 INI; (Individualized Instruction; Instructor consent required); Fuller, Robin Kristie, 3 cr				
3140	Advanced Writing: Human Services (A-F only; prereq 1120, 60 cr)				
10072	001 LEC, 08:00am-09:15am TTh, H 458, 3 cr				
10073	002 LEC, 10:00am-10:50am MWF, H 468, 3 cr				
10074	003 LEC, 12:00pm-12:50pm MWF, MonH 208, 3 cr				
12575	004 LEC, 02:00pm-03:15pm TTh, SBE 32, 3 cr				
12727	005 LEC, 03:30pm-04:45pm TTh, SpHC 210, 3 cr				
11288	200 INI; La Jeunesse, Thomas A, 3 cr				
3150	Advanced Writing: Science (A-F only; prereq 1120, 60 cr)				
10075	001 LEC, 09:00am-09:50am MWF, BohH 112, 3 cr				
11629	002 LEC, 03:30pm-04:45pm Th, Cina 316, 03:30pm-04:45pm T, H 470, 3 cr				
11823	003 LEC, 02:00pm-02:50pm MWF, H 314, 3 cr				
11725	200 INI; (Individualized Instruction; Instructor consent required); Fuller, Robin Kristie, 3 cr				
3160	Advanced Writing: Social Sciences (A-F only; prereq 1120, 60 cr)				
10076	001 LEC, 08:00am-09:15am TTh, MonH 208, 3 cr				
10077	002 LEC, 03:30pm-04:45pm TTh, Cina 202, 3 cr				
10078	003 LEC, 03:00pm-04:15pm MW, MonH 208, 3 cr				

10079	004 LEC, 02:00pm-02:50pm MWF, BohH 346, 3 cr	1511	Computer Science I (A-F only; prereq Credit will not be granted if credit received for 1581, 3 1/2 yrs high school math or instructor consent; meets LE req of LE CAT3)	2991	Independent Study (max crs 8; 8 repeats allowed; prereq Instructor consent)
10080	200 INI; (Individualized Instruction; Instructor consent required); La Jeunesse, Thomas A, 3 cr		001 LEC, 08:00am-08:50am MWF, Chem 200; Allert, James Donald	11230	001 LEC; Crouch, Donald B, 1-4 cr
5197	Internship in Writing (max crs 3; 3 repeats allowed; A-F only; prereq Instructor consent)		002 DIS, 08:00am-08:50am Th, HH 306; Allert, James Donald	3011	Information Technology Hardware and Software (A-F only; prereq FMIS 3201 or SBE 1101, 2511 or instr consent)
10081	001 IEX, 1-3 cr	11076	003 LAB, 08:00am-08:50am T, MWAH 177; Allert, James Donald, 5 cr		001 LEC, 10:00am-10:50am MWF, HH 302; Shute, Gary M
5222	Electronic Publication (A-F only; prereq Jr or sr or Grad or instructor consent)		004 DIS, 09:00am-09:50am Th, HH 306; Allert, James Donald	11812	002 LAB, 03:00pm-04:50pm T, MWAH 177; Shute, Gary M, 4 cr
12731	001 LEC, 06:00pm-08:30pm M, SCC 42; Risdon, Kenneth C; Angelos, Peter Jason, 4 cr	10554	005 LAB, 09:00am-09:50am T, MWAH 177; Allert, James Donald, 5 cr	3111	Computer Ethics (A-F only; prereq 2511 or instr consent)
5230	Web Design and Digital Culture (A-F only; prereq 60 cr or Grad or instructor consent)		006 DIS, 10:00am-10:50am Th, HH 306; Allert, James Donald	12689	001 LEC, 02:00pm-03:15pm TTh, HH 302, 09:00am-09:50am M, HH 306; Colburn, Timothy Robert, 4 cr
11873	001 LAB, 06:00pm-08:30pm T, SCC 42; 1 seat reserved for Continuing Education, 3 cr	10555	007 LAB, 10:00am-10:50am T, MWAH 177; Allert, James Donald, 5 cr	3121	Interactive Multimedia Technology (A-F only; prereq FMIS 3201 or SBE 1101, 2511 or instr consent)
12699	002 LAB, 02:00pm-03:15pm TTh, SCC 42, 3 cr		008 DIS, 11:00am-11:50am Th, HH 306; Allert, James Donald		001 LEC, 11:00am-11:50am MWF, HH 306; Prince, Christopher George
5250	New Media Writing (A-F only)	10556	009 LAB, 11:00am-11:50am T, MWAH 177; Allert, James Donald, 5 cr	11653	002 LAB, 08:00am-09:50am F, SBE 17; Prince, Christopher George, 4 cr
12700	001 LEC, 09:30am-10:45am TTh, SCC 42, 3 cr		010 DIS, 12:00pm-12:50pm Th, HH 306; Allert, James Donald	3211	Database System Concepts (A-F only; prereq FMIS 3201 or SBE 1101, 2511 or instr consent)
5591	Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Max 3 cr or may be applied to Grad School program, instructor consent)	10557	011 LAB, 12:00pm-12:50pm T, MWAH 177; Allert, James Donald, 5 cr		001 LEC, 09:30am-10:45am TTh, HH 302; Crouch, Donald B
10082	001 IND; Risdon, Kenneth C, 1-3 cr	10558	012 DIS, 01:00pm-01:50pm Th, HH 306; Allert, James Donald	11655	002 LAB, 01:00pm-02:50pm T, HH 306, 4 cr
8902	Teaching College Composition (A-F only; prereq Required for tchg assts in comp and Engl depts, instructor consent)	10559	013 LAB, 01:00pm-01:50pm T, MWAH 177; Allert, James Donald, 5 cr	3511	Computer Science Theory (A-F only; prereq Math 3355 or instr consent)
10083	001 LEC, 11:00am-12:15pm TTh, BohH 104; Jenson, Jill Diane, 3 cr		014 DIS, 02:00pm-02:50pm Th, HH 306	12583	001 LEC, 12:30pm-01:45pm TTh, HH 302; Turner, Hudson, 3 cr
8910	Practicum in Teaching Composition (A-F only; prereq Instructor consent)	10560	015 LAB, 02:00pm-02:50pm T, MWAH 177, 5 cr	3996	Internship in Computer Science (max crs 3; S-N only; prereq Comp sci jr, instructor consent)
10085	001 PRC; Risdon, Kenneth C, 3 cr		016 DIS, 08:00am-08:50am T, HH 306	11231	001 IEX; Colburn, Timothy Robert, 1-3 cr
8994	Directed Research in Composition (max crs 3; 3 repeats allowed; A-F only; prereq 8902; instructor consent)	11644	017 LAB, 08:00am-08:50am Th, MWAH 177, 5 cr	4521	Algorithms and Data Structures (A-F only; prereq 2511, 3511 or instr consent)
10084	001 DRS; Linn, Michael Duncan, 1-3 cr		018 DIS, 09:00am-09:50am T, HH 306		001 LEC, 09:00am-09:50am MWF, HH 302; Dunham, Douglas
		11644	019 LAB, 09:00am-09:50am Th, MWAH 177, 5 cr	31133	002 LAB, 06:00pm-06:50pm W, MWAH 177, 4 cr
			020 DIS, 10:00am-10:50am T, HH 306; Allert, James Donald	4991	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq Instructor consent)
		11646	021 LAB, 10:00am-10:50am Th, MWAH 177; Allert, James Donald, 5 cr	11232	001 IND; Crouch, Donald B, 1-4 cr
			022 DIS, 11:00am-11:50am T, HH 306; Allert, James Donald	4993	Seminar (A-F only; prereq 2511, Comm 1112, Comp 3130 or 3150, CS or IST major and 90 cr; no Grad School credit)
		11648	023 LAB, 11:00am-11:50am Th, MWAH 177; Allert, James Donald, 5 cr	11813	001 SEM, 11:00am-11:50am TTh, HH 302; Maclin, Richard Frank, 1 cr
			024 DIS, 12:00pm-12:50pm T, HH 306; Allert, James Donald	4994	Honors Project (max crs 3; A-F only; prereq Consent of comp sci honors prog committee; meets HON req of Honors)
		11650	025 LAB, 12:00pm-12:50pm Th, MWAH 177; Allert, James Donald, 5 cr	11233	001 DRS; Colburn, Timothy Robert, 2-3 cr
		3521	Computer Science II (A-F only; prereq 1511)	5541	Artificial Intelligence (A-F only; prereq 2511, 3511 or instr consent)
			001 LEC, 11:00am-11:50am MWF, MWAH 195; Holtz, Steven James		001 LEC, 01:00pm-01:50pm MWF, HH 302; Prince, Christopher George
		10563	002 DIS, 08:00am-08:50am W, HH 306; Holtz, Steven James	11491	002 LAB, 05:00pm-05:50pm M, MWAH 177, 4 cr
			003 LAB, 08:00am-08:50am F, MWAH 177; Holtz, Steven James, 5 cr	5551	User Interface Design (A-F only; prereq 2511, Math 1297 or instr consent)
		10564	004 DIS, 09:00am-09:50am W, HH 306; Holtz, Steven James		001 LEC, 01:00pm-01:50pm MWF, HH 306; Dunham, Douglas
			005 LAB, 09:00am-09:50am F, MWAH 177; Holtz, Steven James, 5 cr	31135	002 LAB, 06:00pm-06:50pm M, MWAH 177, 4 cr
		2511	Software Analysis and Design (prereq 1521 or instr consent)	5631	Operating Systems (A-F only; prereq 2511, 2521 or instr consent)
			001 LEC, 09:30am-10:45am TTh, LSci 175; Colburn, Timothy Robert		001 LEC, 10:00am-10:50am MWF, HH 306; Crouch, Carolyn J
		10614	002 DIS, 08:00am-08:50am F, HH 306; Colburn, Timothy Robert	10623	002 LAB, 05:00pm-05:50pm T, MWAH 177; Crouch, Carolyn J, 4 cr
			003 LAB, 08:00am-08:50am M, MWAH 177; Colburn, Timothy Robert, 4 cr	5641	Compiler Design (A-F only; prereq 2511, 2521, 3511 or instr consent)
		10615	004 DIS, 09:00am-09:50am F, HH 306; Colburn, Timothy Robert		001 LEC, 12:00pm-12:50pm MWF, HH 306; Maclin, Richard Frank
			005 LAB, 09:00am-09:50am M, MWAH 177; Colburn, Timothy Robert, 4 cr		
		10616	006 DIS, 02:00pm-02:50pm F, HH 306; Colburn, Timothy Robert		
		2521	007 LAB, 02:00pm-02:50pm M, MWAH 177; Colburn, Timothy Robert, 4 cr		
			Computer Organization and Architecture (prereq 1521, ECE 1315, Math 1296 or instr consent)		
			001 LEC, 09:30am-10:45am TTh, SCC 120; Shute, Gary M		
		10619	002 LAB, 11:00am-11:50am F, MWAH 177; Shute, Gary M, 4 cr		
		11651	003 LAB, 12:00pm-12:50pm F, MWAH 177; Shute, Gary M, 4 cr		
		12404	004 LAB, 01:00pm-01:50pm F, MWAH 177; Shute, Gary M, 4 cr		

- 12691 002 LAB, 06:00pm-06:50pm Th, MWAH 177; Maclin, Richard Frank, 4 cr
- 5651 Computer Networks**
(A-F only; prereq 2511, 2521 or instr consent)
001 LEC, 02:00pm-02:50pm MWF, HH 302
- 11493 002 LAB, 06:00pm-06:50pm T, MWAH 177, 4 cr
- 5741 Object-Oriented Design**
(A-F only; prereq 2511, 3511 or instr consent)
001 LEC, 12:00pm-12:50pm MWF, HH 302
- 12499 002 LAB, 07:00pm-07:50pm M, MWAH 177, 4 cr
- 5761 Introduction to Natural Language Processing**
(A-F only; prereq 2511, 3511 or instr consent)
001 LEC, 03:30pm-04:45pm TTh, HH 306; Pedersen, Ted
- 31138 002 LAB, 05:00pm-05:50pm W, MWAH 177, 4 cr
- 5991 Independent Study**
(max crs 8; 8 repeats allowed; A-F only; prereq Instructor consent)
31142 001 IND, 1-4 cr
- 8333 FTE: Master's**
(NGA; prereq Master's 1/2 student, adviser and DGS consent)
11347 001 DRS, 1 cr
- 8621 Advanced Computer Architecture**
(A-F only; prereq 5621 or instructor consent)
31139 001 LEC, 03:00pm-04:40pm MW, HH 302, 4 cr
- 8751 Advanced Machine Learning**
(A-F only; prereq 5751 or instructor consent)
31140 001 LEC, 03:30pm-05:10pm TTh, HH 302; Maclin, Richard Frank, 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))
11378 001 THE; Crouch, Donald B, 1-24 cr
11379 002 THE; Dunham, Douglas, 1-24 cr
11380 003 THE; Crouch, Carolyn J, 1-24 cr
11381 004 THE, 1-24 cr
11382 005 THE; Shute, Gary M, 1-24 cr
11383 006 THE; Maclin, Richard Frank, 1-24 cr
11384 007 THE; Sosonkina, Masha, 1-24 cr
11385 008 THE; Turner, Hudson, 1-24 cr
11386 009 THE; Pedersen, Ted, 1-24 cr
11531 010 THE; Prince, Christopher George, 1-24 cr
11893 011 THE, 1-24 cr
- 8993 Seminar**
(max crs 3; 3 repeats allowed; A-F only; prereq Instructor consent)
11656 001 SEM, 02:00pm-02:50pm MW, HH 306; Crouch, Carolyn J, 1 cr

CULTURAL STUDIES (CSt)**College of Liberal Arts**

- 1004 From Classical Antiquity to Medieval Culture**
(A-F only; prereq Credit will not be granted if credit received for HmCl 1004.; meets LE req of LE CAT7)
12580 001 LEC, 12:00pm-01:40pm TTh, H 403; 1 seat reserved for Continuing Education; Farrell, Thomas James, 4 cr
- 1020 Landscapes, Environments, and U.S. Culture**
(A-F only; prereq Credit will not be granted if credit received for AmS 1031; meets LE req of LE CAT7)
11809 001 LEC, 12:00pm-01:50pm MW, H 403; Syring PhD, David, 3 cr
- 1030 Frontier Heritage in Canada and the United States**
(A-F only; meets LECD req of LECD CAT07)
29887 200 INI, 4 cr
- 1101 Introduction to Cultural Studies**
(A-F only; meets LE req of LE CAT8)
11720 001 LEC, 10:00am-11:40am TTh, H 403; Emad, Mitra C, 4 cr
- 1201 American Working Class History and Culture: The Struggle for Control**
(A-F only; meets LE req of LE CAT7)
29889 090 LEC, 06:00pm-09:30pm W, Cina 224; Peterson, Erik S, 4 cr
- 3010 Popular Culture in the 1960s**
(A-F only; prereq Sophomore standing or above; credit will not be granted if credit received for HmCl 3271)
11810 001 LEC, 09:00am-10:50am MW, H 403; Syring PhD, David, 3 cr
- 3030 Science Fiction**
(A-F only; prereq Sophomore standing or above; credit will not be granted if credit received for HmCl 3221)
12672 200 INI; Bacig, Thomas D, 3 cr
- 3040 The Music and Lives of the Beatles**
(A-F only; prereq Sophomore standing or above.; credit will not be granted if credit received for HmCl 3035)
12371 200 INI; (Online course); Gallian, Joseph A, 3 cr
- 3080 Cultural Constructions of the Body**
(A-F only; prereq 30 credits or instructor consent)
12567 001 LEC, 12:00pm-01:50pm TTh, VKH 221; Emad, Mitra C, 4 cr
- 4691 Independent Study in Cultural Studies**
(max crs 8; A-F only; prereq Instructor consent)
11723 001 DRS; Bacig, Thomas D, 1-4 cr

DANCE (DN)**School of Fine Arts**

- 1001 Introduction to the World of Dance**
(A-F only; meets LEIP req of LEIP CAT09)
11995 001 LEC, 09:00am-09:50am MWF, BohH 104, 3 cr
- 1101 Modern Dance Technique I**
(max crs 12; 6 repeats allowed; A-F only; meets LE req of LE CAT10)
10242 001 STU, 12:00pm-01:10pm MWF, MPAC 155, 2 cr
- 1111 Jazz Dance Technique I**
(max crs 8; 4 repeats allowed; A-F only; meets LE req of LE CAT10)
12047 001 STU, 02:00pm-03:45pm TTh, MPAC 155, 2 cr
12381 002 STU, 04:00pm-05:45pm TTh, MPAC 155; Fields, Allen, 2 cr
- 1121 Tap Dance Technique I**
(max crs 8; 4 repeats allowed; A-F only; prereq 4 cr of 1101 or 1111, instructor consent)
10247 001 STU, 12:00pm-01:45pm TTh, MPAC 21; Bergeron, Ann Aiko, 2 cr
- 1131 Ballet Technique I**
(max crs 12; 6 repeats allowed; A-F only; meets LE req of LE CAT10)
10248 001 STU, 08:00am-09:45am TTh, MPAC 155; White, LilaAnn Coates, 2 cr
12383 002 STU, 12:00am-01:45pm TTh, MPAC 155, 2 cr
- 3231 Ballet Technique II**
(max crs 12; 6 repeats allowed; A-F only; prereq Instructor consent)
10251 001 STU, 04:00pm-05:15pm MWF, MPAC 155, 2 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 cr in 3991 and 5991 combined)
12455 001 IND; Bergeron, Ann Aiko, 1-3 cr
- 4311 Jazz Dance Technique III**
(max crs 12; 6 repeats allowed; A-F only; prereq instr consent; no Grad School credit)
11727 001 STU, 01:30pm-02:40pm MWF, MPAC 155; Bergeron, Ann Aiko, 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 School credit)
11884 001 DIS; Bergeron, Ann Aiko, 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; no Grad School credit)
12456 001 IND; Bergeron, Ann Aiko, 1-3 cr
- 5997 Internship in Professional Dance**
(max crs 12; 12 repeats allowed; A-F only; prereq Department consent; 1 cr for each 45 hrs of work; no Grad School credit)
10260 001 IEX; Bergeron, Ann Aiko, 1-12 cr

EARLY CHILDHOOD STUDIES (Ech)**College of Education & Human Service Professions**

- 2010 Foundational Issues in Early Childhood Studies**
(A-F only)
11009 001 LEC, 10:00am-11:50am T, Room TBA, DULUTH; (Practicum arr); Marchel, Mary A, 3 cr
- 2015 Literacy for Young Children**
(A-F only; prereq Admission to the ECh program)
29872 001 LEC, 09:00am-11:50am M, BohH 346; Onchwari, Jacqueline Ariri, 3 cr
- 2025 Cognitive Development: Theory to Practice**
(A-F only)
29873 001 LEC, 09:00am-11:50am F, MonH 151; Minkinen, Molly Harney, 3 cr
- 3006 Early School Years**
(A-F only; prereq Pre-EIEd major, concurrent registration is required (or allowed) for EIEd 1010.)
11236 001 LEC, 08:00am-09:40am T, MonH 108; Mitchell, Lorraine Marie, 2 cr
11237 002 LEC, 08:00am-09:40am W, MonH 151; Mitchell, Lorraine Marie, 2 cr
- 3020 Literacy, Language, and Mathematics: Birth-Age Eight**
(prereq ECh major, concurrent registration is required (or allowed) in the following: 3030, 4011, SpEd 3103)
29874 001 LEC, 12:30pm-02:45pm TTh, MonH 151; (Practicum arr); Mitchell, Lorraine Marie; Wohlhuter, Kay A., 5 cr
- 3030 Inquiry, Social Studies, and Science Learning: Birth-Age Eight**
(prereq ECh major, 2010, 3010, concurrent registration is required (or allowed) for: 3020, 4011 and SpEd 3105)
29876 001 LEC, 10:00am-12:15pm TTh, MonH 151; (Practicum arr); Onchwari, Jacqueline Ariri, 5 cr
- 4009 Leadership in Early Childhood Studies**
(A-F only; prereq Admission to ECh program; no Grad School cr.)
10609 001 LEC, 10:00am-11:50am M, Room TBA, DULUTH, 3 cr
- 4251 Parenting**
(A-F only; prereq ECh major, Educ 1000 or Psy 2021 or Psy 3371 or instructor consent; no Grad School credit)
11750 001 LEC, 12:00pm-02:40pm M, Library 409; Shannon PhD, Terrie M, 3 cr
- 4400 Professional Development Seminar**
(max crs 3; 3 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)
11641 001 DIS, 01:00pm-03:30pm F, MonH 151; (Special term: 9/23, 10/14, 11/11, 12/2, 12/16); Mitchell, Lorraine Marie, 1 cr
- 4600 Student Teaching in Early Childhood/Primary**
(max crs 12; S-N only; prereq 3005, 3007 or instructor consent; no Grad School credit)
11092 001 PRC, 3-12 cr
12179 002 PRC, 3-12 cr
12180 003 PRC, 3-12 cr
12181 004 PRC, 3-12 cr
12182 005 PRC, 3-12 cr
12183 006 PRC, 3-12 cr

- 4610 Professional Issues Seminar in Early Childhood Education**
(prereq Concurrent registration is required (or allowed) in 4600; no Grad School credit)
- 11011 001 LEC, 09:00am-04:00pm S, MonH 108, 09/10/05-09/10/05, 08:00am-04:00pm S, MonH 108, 12/10/05-12/10/05; (course meets Saturday, Sept 10 and Dec 10, 2005. All other course hours will be done on-line.); Shannon PhD, Terrie M, 2 cr
- 4991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)
- 11093 001 IND, 1-6 cr
- 4993 Special Area Project**
(max crs 4; A-F only; prereq Instructor consent; no Grad School credit)
- 11094 001 DST, 1-4 cr
- 5993 Special Area Project**
(max crs 4; A-F only; prereq no Grad School credit)
- 11095 001 DST, 1-4 cr
- 7030 Cognitive Development**
(A-F only; prereq Collegiate grad program admission or instr consent)
- 12768 045 LEC, 09/06/05-10/21/05, 09/06/05-10/21/05, instruction mode: Distance Education and On-Site; (Additional on-line hours required); Minkinen, Molly Harney, 4 cr

ECONOMICS (Econ)**School of Business & Economics**

- 1022 Principles of Economics: Macro**
(A-F only; meets LE req of LE CAT6)
- 10233 001 LEC, 09:00am-09:50am MWF, MonH 80; 2 seats reserved for Continuing Education; Peterson, Jerrold M, 3 cr
- 10234 002 LEC, 11:00am-11:50am MWF, MonH 80; Doorn, David J., 3 cr
- 11310 003 LEC, 01:00pm-01:50pm MWF, MonH 80; 1 seat reserved for Continuing Education; Oleas, Sebastien, 3 cr
- 1023 Principles of Economics: Micro**
(A-F only; meets LE req of LE CAT6)
- 10235 001 LEC, 10:00am-10:50am MWF, MonH 80; Oleas, Sebastien, 3 cr
- 10236 002 LEC, 12:00pm-12:50pm MWF, MonH 80; 2 seats reserved for Continuing Education; Lichty, Richard W, 3 cr
- 11843 003 LEC, 02:00pm-02:50pm MWF, MonH 70; Lichty, Richard W, 3 cr
- 2030 Applied Statistics for Business and Economics**
(A-F only; prereq Min 30 cr; credit will not be granted if credit received for Econ 2020, Stat 1411, Stat 2411, Stat 3611, Soc 3151, Psy 3020)
- 12031 001 LEC, 03:00pm-04:15pm MW, SBE 36; (LSBE students); Meets with: 12032 ECON 2030, 12033 ECON 2030; Doorn, David J., 3 cr
- 12032 002 LEC, 03:00pm-04:15pm MW, SBE 36; (Economics majors or minors); Meets with: 12031 ECON 2030, 12033 ECON 2030; Doorn, David J., 3 cr
- 12033 003 LEC, 03:00pm-04:15pm MW, SBE 36; (Non-LSBE Business Adm or Accounting minors); Meets with: 12031 ECON 2030, 12032 ECON 2030; Doorn, David J., 3 cr
- 12034 004 LEC, 08:00am-09:15am TTh, SBE 36; (LSBE students); Meets with: 12035 ECON 2030, 12036 ECON 2030, 3 cr
- 12035 005 LEC, 08:00am-09:15am TTh, SBE 36; (Economics majors or minors); Meets with: 12034 ECON 2030, 12036 ECON 2030, 3 cr
- 12036 006 LEC, 08:00am-09:15am TTh, SBE 36; (NON-LSBE Business Adm or Accounting minors); Meets with: 12034 ECON 2030, 12035 ECON 2030, 3 cr
- 12037 007 LEC, 09:30am-10:45am TTh, SBE 36; (LSBE students); Meets with: 12038 ECON 2030, 12039 ECON 2030; Oleas, Sebastien, 3 cr
- 12038 008 LEC, 09:30am-10:45am TTh, SBE 36; (Economics majors or minors); Meets with: 12037 ECON 2030, 12039 ECON 2030; Oleas, Sebastien, 3 cr
- 12039 009 LEC, 09:30am-10:45am TTh, SBE 36; (Non-LSBE Business Adm or Accounting minors); Meets with: 12037 ECON 2030, 12038 ECON 2030; Oleas, Sebastien, 3 cr
- 12040 010 LEC, 11:00am-12:15pm TTh, SBE 36; (LSBE students); Meets with: 12041 ECON 2030, 12042 ECON 2030; O'Brien, A. Maureen, 3 cr
- 12041 011 LEC, 11:00am-12:15pm TTh, SBE 36; (Economics majors or minors); Meets with: 12040 ECON 2030, 12042 ECON 2030; O'Brien, A. Maureen, 3 cr
- 12042 012 LEC, 11:00am-12:15pm TTh, SBE 36; (Non-LSBE Business Adm or Accounting minors); Meets with: 12040 ECON 2030, 12041 ECON 2030; O'Brien, A. Maureen, 3 cr
- 12126 013 LEC, 02:00pm-03:15pm TTh, SBE 36; (LSBE students); Meets with: 12127 ECON 2030, 12128 ECON 2030; Oleas, Sebastien, 3 cr
- 12127 014 LEC, 02:00pm-03:15pm TTh, SBE 36; (Economics majors or minors); Meets with: 12126 ECON 2030, 12128 ECON 2030; Oleas, Sebastien, 3 cr
- 12128 015 LEC, 02:00pm-03:15pm TTh, SBE 36; (Non-LSBE Business Adm or Accounting minors); Meets with: 12126 ECON 2030, 12127 ECON 2030; Oleas, Sebastien, 3 cr
- 3022 Macroeconomic Analysis**
(A-F only; prereq 1022, 1023, Math 1160 or Math 1296)
- 10227 001 LEC, 01:00pm-01:50pm MWF, SBE 36; Doorn, David J., 3 cr
- 3030 Economic Research Methodology**
(A-F only; prereq 1022, 1023, 2030, Math 1160 or Math 1296)
- 11844 001 LEC, 11:00am-11:50am MWF, SBE 36; Tadesse, Bedassa, 3 cr
- 3311 Money and Banking**
(A-F only; prereq 1022)
- 12451 001 LEC, 12:00pm-12:50pm MWF, SBE 36; Peterson, Jerrold M, 3 cr
- 3402 Global Economic Issues**
(A-F only; prereq LSBE candidate; cannot apply cr to econ major or minor)
- 30009 001 LEC, 01:00pm-01:50pm MWF, MonH 203; Tadesse, Bedassa, 3 cr
- 3410 International Economics**
(A-F only; prereq 1022, 1023, 3022, 3023)
- 11973 001 LEC, 09:00am-09:50am MWF, SBE 36; Tadesse, Bedassa, 3 cr
- 3512 Managerial Economics**
(A-F only; prereq 1023, 2030)
- 10231 001 LEC, 12:30pm-01:45pm TTh, SBE 36; Raab, Raymond L, 3 cr
- 4397 Half-Time Internship**
(max crs 6; S-N only; prereq Credit will not be granted if credit has been received for: 4497, Econ major, 3022, 3023, instr consent)
- 11478 001 IEX; O'Brien, A. Maureen, 3 cr
- 4497 Full-Time Internship**
(S-N only; prereq Credit will not be granted if credit has been received for: 4397, Econ major 3022, 3023, instr consent)
- 11479 001 IEX; O'Brien, A. Maureen, 6 cr
- 4721 Natural Resource and Energy Economics**
(A-F only; prereq 1023, preferred but not required 3023)
- 30010 001 LEC, 02:00pm-02:50pm MWF, SBE 36; Anderson, Curt L, 3 cr
- 4935 Urban/Regional Economics**
(A-F only; prereq 1003 or 1022, 1023, preferred but not required 3023)
- 30011 001 LEC, 10:00am-10:50am MWF, SBE 36; Lichty, Richard W, 3 cr
- 4991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq Econ major, 12 cr of Econ 3xxx or above, instr consent)
- 10232 001 IND; O'Brien, A. Maureen, 1-6 cr

EDUCATION (Educ)**College of Education & Human Service Professions**

- 1000 Human Development**
(A-F only)
- 11051 001 LEC, 08:00am-09:15am TTh, KPlz 312; 1 seat reserved for Continuing Education; Varney, Joan Dee, 3 cr
- 11052 002 LEC, 09:30am-10:45am TTh, MonH 206; Albert-Peacock, Elizabeth (Betsy) L., 3 cr
- 1100 Human Diversity**
(A-F only; meets LECD req of LECD CAT08)
- 11053 001 LEC, 10:00am-11:50am W, Engr 280; (Practicum 2 hrs per wk arr); Albert-Peacock, Elizabeth (Betsy) L., 3 cr
- 11054 002 LEC, 03:00pm-04:50pm M, MonH 203; (Practicum 2 hrs per wk arr); Mweti, Chang'aa, 3 cr
- 11055 003 LEC, 10:00am-11:50am Th, MonH 203; (Practicum 2 hrs per wk arr); 1 seat reserved for Continuing Education; Varney, Joan Dee, 3 cr
- 11275 004 LEC, 03:00pm-04:50pm W, MonH 203; (Practicum 2 hrs per wk arr); Albert-Peacock, Elizabeth (Betsy) L., 3 cr
- 1101 Education in Modern Society**
(A-F only; meets LE req of LE CAT7)
- 11056 001 LEC, 02:00pm-02:50pm MWF, MonH 80; Guldbrandsen, Frank A, 3 cr
- 11057 002 LEC, 04:00pm-06:50pm T, MonH 80; Guldbrandsen, Frank A, 3 cr
- 1201 Managing Planet Earth**
(A-F only; meets LE req of LE CAT8)
- 11321 200 INI; (Individualized Instruction); Boman, Thomas G, 3 cr
- 3412 The Computer in Education**
(max crs 6; 6 repeats allowed; A-F only)
- 11059 001 LEC, 01:00pm-02:50pm MW, MonH 239; Mc Carthy, David Albert, 4 cr
- 11060 002 LEC, 03:00pm-04:50pm MW, MonH 239; Mc Carthy, David Albert, 4 cr
- 11311 003 LEC, 10:00am-11:50am MW, MonH 239; Mc Carthy, David Albert, 4 cr
- 11573 004 LEC, 05:00pm-08:50pm M, MonH 209; Glisczynski, Daniel Joseph, 4 cr
- 11761 005 LEC, 03:00pm-04:50pm MW, MonH 209; Glisczynski, Daniel Joseph, 4 cr
- 11797 006 LEC, 05:00pm-08:50pm T, MonH 209, 4 cr
- 3416 Teaching Elementary Keyboarding and Computer Applications**
(A-F only; prereq 3412 or 5412, pre-EIEd, EIEd, pre-ECh, ECh, or non-degree candidates, credit will not be granted if credit has been received for 5416)
- 12564 090 LEC, 05:00pm-06:50pm M, MonH 239; Meets with: 12566 EDUC 5416, 2 cr
- 4227 Number Theory for Teachers in Grades 5-8**
(A-F only; prereq Math 1141 or instructor consent; no Grad School credit)
- 11537 001 LEC, 06:00pm-08:50pm T, MonH 151; Wohlhuter, Kay A., 3 cr
- 4234 Science, Technology, and Society**
(A-F only; prereq Min 30 cr; no Grad School credit)
- 11058 001 LEC, 02:00pm-03:15pm TTh, Room TBA, DULUTH; Yoon PhD, Jiyoon, 3 cr
- 4360 Teaching Methods for Ojibwe Language**
(max crs 8; A-F only; prereq Admitted to EIEd or pre-EIEd, no Grad School credit)
- 12550 400 LEC; (class meets at Fond du Lac Community College); Hermes, Mary Rose, 2 cr
- 4381 Teaching American Indian Students**
(A-F only; prereq 10 cr Educ; no Grad School credit)
- 10684 001 LEC, 08:00am-09:50am Th, MonH 108; Hermes, Mary Rose, 2 cr
- 11050 002 LEC, 02:00pm-03:50pm Th, MonH 108; Hermes, Mary Rose, 2 cr

- 4500 Professional Issues in Teaching**
(A-F only; prereq Admission to the elementary education program, successful completion of courses in block one and block two, no Grad School cr)
- 11089 001 LEC, 04:45pm-06:30pm M, MonH 151; (wks 2,4,6,8,10,12,14); Langseth, Jody L, 1 cr
- 11223 002 LEC, 04:45pm-06:30pm T, MonH 108; (wks 2,4,6,8,10,12,14); Langseth, Jody L, 1 cr
- 4991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)
- 11018 001 IND, 0.50-3 cr
- 4993 Special Area Project**
(max crs 4; A-F only; prereq instructor consent; no Grad School credit)
- 11090 001 DST, 1-4 cr
- 5128 Urban Education**
(prereq No Grad School credit)
- 11322 200 INI; (Individualized Instruction); Rummel, Mary Kay, 3 cr
- 5340 Interacting With Diverse Families**
(A-F only; prereq 90 cr or instructor consent)
- 11799 001 LEC, 06:00pm-08:45pm Th, MonH 108, 3 cr
- 5401 Creative and Intellectually Gifted Children**
(A-F only; prereq No Grad School credit)
- 11323 200 INI; (Individualized Instruction); Rotondi, Mary Ann, 2 cr
- 5412 The Computer in Education**
(max crs 6; 6 repeats allowed; A-F only; prereq No Grad School credit)
- 11131 090 LEC, 05:00pm-08:50pm T, MonH 239; 4 seats reserved for Continuing Education; Mc Carthy, David Albert, 4 cr
- 5413 Teaching With Technology**
(A-F only; prereq 3412 or 5412, jr or sr or grad or instructor consent)
- 11061 001 LEC, 04:30pm-08:10pm Th, SCC 42; 1 seat reserved for Continuing Education; Shannon PhD, Terrie M, 4 cr
- 5414 Using Technology for the Administrative Tasks of Teaching**
(A-F only; prereq Junior, Senior or Grad; 3412 or 5412, 5413 or instructor consent)
- 11870 090 LEC, 05:00pm-08:50pm W, MonH 239, 4 cr
- 5416 Teaching of Elementary Keyboarding and Computer Applications**
(A-F only; prereq 3412 or 5412, pre-EIEd or EIEd or pre-ECh or ECh or non-degree candidates, Credit will not be granted if credit has been received for: 3416, no Grad School credit)
- 12566 090 LEC, 05:00pm-06:50pm M, MonH 239; Meets with: 12564 EDUC 3416, 2 cr
- 5850 Classroom Learning Applications**
(A-F only; prereq Admission to MEd or instructor consent)
- 11341 731 LEC, 07/30/05-01/16/06; (Wolf Ridge Environmental Learning Center Certificate course); Beery, Thomas Harold, 2 cr
- 5991 Independent Study**
(max crs 8; 8 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)
- 11091 001 IND, 0.50-4 cr
- 12801 002 IND, 0.50-4 cr
- 12805 003 IND, 0.50-4 cr
- 12808 004 IND, 0.50-4 cr
- 11724 030 IND, 0.50-4 cr
- 11752 040 IND, 0.50-4 cr
- 11918 741 IND; (Educational Computing & Technology Certificate), 0.50-4 cr
- 5993 Special Area Project**
(max crs 14; 14 repeats allowed; A-F only; prereq No Grad School credit)
- 12526 001 DST, 0.50-4 cr
- 7001 Educational Innovations and Technology**
(A-F only; prereq MEd candidate or instructor consent; no Grad School credit)
- 12766 020 LEC; (For Morris 3 cohort only); 30 seats reserved for Morris MEd, 1 cr
- 12345 025 LEC; (registration for Cohort 10 only) (meets with Educ 7008); 30 seats reserved for MEd Cohort IX; Shannon PhD, Terrie M, 1 cr

- 7002 Human Diversity and Exceptionality**
(A-F only; prereq MEd candidate or instructor consent; no Grad School credit)
- 12541 015 LEC; (registration for Morris Cohort 2 only); 30 seats reserved for Morris MEd; Peacock, Thomas D, 3 cr
- 30048 045 LEC; (registration for Cohort 9 only); Hughes, Trudie Ann, 3 cr
- 7006 Ethics and Professionalism in Education**
(A-F only; prereq MEd candidate or instructor consent; no Grad School credit)
- 12542 035 LEC; (registration for Cohort 8 only); 30 seats reserved for MEd Cohort VIII; Damme, Susan R, 2 cr
- 7008 Foundations of Teaching and Learning: Curriculum Theory and Design**
(A-F only; prereq MEd student or instructor consent; no Grad School credit)
- 12767 020 LEC; (For Morris 3 Cohort only); 30 seats reserved for Morris MEd; Wright, Mary Frances, 4 cr
- 12218 025 LEC; (registration for Cohort 10 only) (meets with Educ 7001); 30 seats reserved for MEd Cohort IX; Guldbrandsen, Frank A, 4 cr

EDUCATIONAL ADMINISTRATION (EdAd) College of Education & Human Service Professions

- 5912 Supervision of Teachers and School Staff**
(A-F only; prereq EdAd lic program or collegiate grad program admission or instr consent; no Grad School credit)
- 29931 001 LEC, 3 cr
- 5915 Resource Management and Scheduling in Education**
(A-F only; prereq EdAd lic program or collegiate graduate program admission or instr consent; no Grad School credit)
- 29932 001 LEC, 3 cr
- 5916 Curriculum and Instruction and Assessment**
(A-F only; prereq EdAd lic program or collegiate graduate program admission or instr consent; no Grad School credit)
- 29933 001 LEC, 3 cr

EDUCATION AND HUMAN SERVICE PROFESSIONS (EHS) College of Education & Human Service Professions

- 799 CEHSP Masters Active Status**
(20 repeats allowed; NGA; prereq MEd or MSpEd students only)
- 29878 001 IND, 0 cr
- 5713 American Indian Culture and Tradition: Oral Tradition and History**
(A-F only; prereq No Grad School credit)
- 11917 200 INI; Grover, Linda L, 2 cr
- 5990 Research Project**
(max crs 12; 12 repeats allowed; A-F only; prereq No Grad School credit)
- 11107 002 LEC; Hazareesingh, Nedra A, 1-12 cr
- 11108 003 LEC; Shannon PhD, Terrie M, 1-12 cr
- 11109 004 LEC; Guldbrandsen, Frank A, 1-12 cr
- 11110 005 LEC; Mongan-Rallis, Helen, 1-12 cr
- 11111 006 LEC; Strand, Joyce, 1-12 cr
- 11112 007 LEC, 1-12 cr
- 11113 008 LEC; Peacock, Thomas D, 1-12 cr
- 11114 010 LEC; Munson PhD, Bruce H, 1-12 cr
- 11115 011 LEC; Mc Carthy, David Albert, 1-12 cr
- 11116 012 LEC; Gilbertson, Kenneth Lloyd, 1-12 cr
- 12738 013 LEC; Babiuk, Gary E, 1-12 cr
- 12765 014 LEC; Stevenson, Jean Myers, 1-12 cr
- 12807 015 LEC; Hughes, Trudie Ann, 1-12 cr

EDUCATION, SECONDARY (EdSe)

College of Education & Human Service Professions

- 3204 General Instructional Methods**
(A-F only; prereq Admission to EdSe program)
- 10580 001 LEC, 08:00am-09:50am MW, MonH 108; Mongan-Rallis, Helen; Nierengarten, Gerry, 4 cr
- 11045 002 LEC, 02:00pm-03:50pm MW, MonH 108; Mongan-Rallis, Helen; Nierengarten, Gerry, 4 cr
- 3205 Apprenticeship: Middle School**
(A-F only; prereq Admission to EdSe program, concurrent registration is required (or allowed) for 3204)
- 11100 001 PRC, 05:00pm-06:50pm Th, MonH 80; (Practicum 4 hrs per wk arr) (class meets 9/8, 9/15, 9/22, 11/3, 12/15); Meets with: 11101 EDSE 3206, 2 cr
- 11702 002 PRC, 08:00am-09:50am Th, MonH 203; (Practicum 4 hrs per wk arr) (class meets 9/8, 9/15, 9/22, 11/3, 12/15); Meets with: 11703 EDSE 3206, 2 cr
- 3206 Apprenticeship: Secondary School**
(A-F only; prereq Admission to EdSe program, concurrent registration is required (or allowed) for 3204)
- 11101 001 PRC, 05:00pm-06:50pm Th, MonH 80; (Practicum 4 hrs per wk arr) (class meets 9/8, 9/15, 9/22, 11/3, 12/15); Meets with: 11100 EDSE 3205, 2 cr
- 11703 002 PRC, 08:00am-09:50am Th, MonH 203; (Practicum 4 hrs per wk arr) (class meets 9/8, 9/15, 9/22, 11/3, 12/15); Meets with: 11702 EDSE 3205, 2 cr
- 4100 Human Relations in Classrooms**
(A-F only; prereq Admission to EdSe program)
- 11015 001 LEC, 11:00am-12:50pm T, KPlz 312; Varney, Joan Dee, 2 cr
- 11046 002 LEC, 03:00pm-04:50pm T, MonH 151; Varney, Joan Dee, 2 cr
- 4212 Literature for Adolescents**
(A-F only; prereq Credit will not be granted if credit received for 5215; major, minor or pre teaching comm arts/lit students)
- 11840 001 LEC, 04:00pm-06:45pm M, BohH 108; Wright, Mary Frances, 3 cr
- 4214 Reading in the Middle and Secondary School, Grades 5-12**
(A-F only; prereq Credit will not be granted if credit received for 5215)
- 12545 001 LEC, 11:00am-12:50pm Th, KPlz 312, 2 cr
- 29885 002 LEC, 12:00pm-01:50pm T, MonH 108, 2 cr
- 4244 Teaching Social Studies: Grades 5-12**
(A-F only; prereq Admission to EdSe program, 3204 or instructor's consent; no Grad School credit)
- 11048 001 LEC, 04:00pm-07:00pm W, MonH 121; Babiuk, Gary E, 3 cr
- 4255 Teaching Science: Grades 5-12**
(A-F only; prereq Admission to EdSe program, 3204 or instructor's consent; no Grad School credit)
- 11049 001 LEC, 08:00am-09:15am TTh, MonH 151, 3 cr
- 4400 Professional Development Seminar for Secondary Education Majors**
(max crs 3; 3 repeats allowed; A-F only; prereq Acceptance into EdSe program; no Grad School credit)
- 11800 001 LEC, 06:30pm-08:15pm M, MonH 151; (weeks 2,4,6,8,10,12,14), 1 cr
- 4501 Educational Psychology**
(A-F only; prereq Admission to EdSe program; no Grad School credit)
- 10607 001 LEC, 10:00am-10:50am MWF, MonH 108; Langseth, Jody L, 3 cr
- 11047 002 LEC, 11:00am-11:50am MWF, MonH 108; Langseth, Jody L, 3 cr

4600 Student Teaching (max crs 12; S-N only; prereq 4100, 4501, appropriate methods course; no Grad School cr)	1102 001 PRC, 6-12 cr	11535 002 PRC, 6-12 cr	12184 003 PRC, 6-12 cr	12185 004 PRC, 6-12 cr	12186 005 PRC, 6-12 cr	12187 006 PRC, 6-12 cr	12188 007 PRC, 6-12 cr	12189 008 PRC, 6-12 cr	12190 009 PRC, 6-12 cr	12191 010 PRC, 6-12 cr	12192 011 PRC, 6-12 cr	12193 012 PRC, 6-12 cr	12194 013 PRC, 6-12 cr	12195 014 PRC, 6-12 cr	12196 015 PRC, 6-12 cr	12197 016 PRC, 6-12 cr	12198 017 PRC, 6-12 cr	12199 018 PRC, 6-12 cr																				
4993 Special Area Project (max crs 4; A-F only; prereq Instructor consent; no Grad School credit)	11103 001 DST, 1-4 cr																																					
5120 Philosophy and Organization of the Middle School (A-F only; prereq Secondary majors admitted to teacher education or pre-elementary education majors, 45 cr)	11104 001 LEC, 08:00am-09:50am F, MonH 121; Glisczinski, Daniel Joseph, 2 cr	11105 002 LEC, 12:00pm-01:50pm T, MonH 206; Glisczinski, Daniel Joseph, 2 cr	11726 003 LEC, 04:00pm-05:50pm Th, MonH 108; Glisczinski, Daniel Joseph, 2 cr																																			
ELECTRICAL AND COMPUTER ENGINEERING (ECE) College of Science & Engineering																																						
1001 Introduction to Electrical and Computer Engineering (A-F only; prereq Pre-Engr, ChE, CS, ECE, IE majors only)	10133 001 LEC, 09:00am-09:50am TTh, LSci 185; Burns, Stanley G, 2 cr																																					
1315 Digital System Design (A-F only; prereq Pre-Engr, ChE, CS, ECE, IE majors only.)	001 LEC, 10:00am-10:50am MWF, MWAH 191; Rios-Gutierrez, Fernando	11033 002 LAB, 09:00am-12:00pm T, MWAH 393; Rios-Gutierrez, Fernando, 4 cr	11034 003 LAB, 01:00pm-04:00pm T, MWAH 393; Alba-Flores, Rocio, 4 cr	006 LEC, 01:00pm-01:50pm MWF, MWAH 191; Alba-Flores, Rocio	11610 007 LAB, 09:00am-12:00pm Th, MWAH 393, 4 cr	11637 008 LAB, 01:00pm-04:00pm Th, MWAH 393; Yang, Jiann-Shiou, 4 cr																																
2006 Electrical Circuit Analysis (A-F only; prereq Phys 2011, concurrent registration is required (or allowed) in Math 3280)	001 LEC, 11:00am-11:50am MWF, BohH 112; Norr, Scott R	10167 002 LAB, 09:00am-12:00pm T, MWAH 391; Norr, Scott R, 4 cr	10168 003 LAB, 01:00pm-04:00pm T, MWAH 391; Norr, Scott R, 4 cr	004 LEC	12702 005 LAB, 4 cr																																	
2111 Linear Systems and Signal Analysis (A-F only; prereq 2006)	001 LEC, 11:00am-11:50am MWF, MWAH 191; Alba-Flores, Rocio	11121 002 LAB, 09:00am-12:00pm Th, MWAH 377; Alba-Flores, Rocio, 4 cr	11122 003 LAB, 01:00pm-04:00pm Th, MWAH 377; Alba-Flores, Rocio, 4 cr																																			
2212 Electronics I (A-F only; prereq 2006)	001 LEC, 12:00pm-12:50pm MWF, MWAH 191; Burns, Stanley G	11036 002 LAB, 10:00am-01:00pm Th, MWAH 391; Burns, Stanley G, 4 cr																																				
11037 003 LAB, 02:00pm-05:00pm Th, MWAH 391; Burns, Stanley G, 4 cr	2325 Microcomputer System Design (A-F only; prereq 1315)	001 LEC, 02:00pm-02:50pm MWF, MWAH 191; Rios-Gutierrez, Fernando	10184 002 LAB; Rios-Gutierrez, Fernando, 4 cr	3151 Control Systems (A-F only; prereq 2111)	11038 001 LEC, 03:00pm-03:50pm MWF, MWAH 191; Yang, Jiann-Shiou, 3 cr	3235 Electronics II (A-F only; prereq 2212)	001 LEC, 02:00pm-02:50pm MWF, HH 216	10173 002 LAB, 09:00am-12:00pm Th, MWAH 293, 4 cr	11541 003 LAB, 01:00pm-04:00pm Th, MWAH 293, 4 cr	3341 Digital Computer Circuits (A-F only; prereq 2325)	001 LEC, 08:00am-08:50am MWF, HH 302; Carroll, Christopher Ralph	10190 002 LAB; Carroll, Christopher Ralph, 4 cr	3445 Electromagnetic Fields (A-F only; prereq Math 3280, 3298, Phys 2011, 2012)	10198 001 LEC, 09:00am-09:50am MWF, Chem 155; Hasan, Mohammed A, 3 cr	4305 Computer Architecture (A-F only; prereq 3341)	001 LEC, 10:00am-10:50am MWF, Chem 155; Alba-Flores, Rocio	11040 002 LAB; Alba-Flores, Rocio, 4 cr	4321 Computer Networks (A-F only; prereq 3341, Stat 3611)	11041 001 LEC, 03:00pm-03:50pm MWF, Chem 155; Kwon, Taek Mu, 3 cr																			
5151 Digital Control System Design (A-F only; prereq 3151, 3341, Credit will not be granted if credit has been received for: 4151)	11976 001 LEC, 12:00pm-12:50pm MWF, Chem 155; Yang, Jiann-Shiou, 3 cr	5741 Digital Signal Processing (A-F only; prereq 2111, credit will not be granted if credit received for 4741)	12149 001 LEC, 05:30pm-06:45pm MW, MWAH 191; Hasan, Mohammed A, 3 cr	5765 Modern Communication (prereq 2111, 3235; Credit will not be granted if credit has been received for: 4765.)	001 LEC, 09:00am-09:50am MWF, SpHC 208	12735 002 LAB, 09:00am-12:00pm T, MWAH 377; Hayee, M. Imran, 4 cr	5831 Fuzzy Set Theory and Its Application (A-F only; prereq CS 1521, Math 3280, Credit will not be granted if credit has been received for: 4831)	31052 001 LEC; Cancelled for Fall 2005, 3 cr	8765 Digital Communications (A-F only; prereq 4765)	30065 001 LEC, 03:00pm-03:50pm MWF, HH 306; Hayee, M. Imran, 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))	12560 001 THE; Burns, Stanley G, 1-18 cr	12809 002 THE; Alba-Flores, Rocio, 1-18 cr	12810 003 THE; Rios-Gutierrez, Fernando, 1-18 cr	12811 004 THE; Hayee, M. Imran, 1-18 cr																							
ELEMENTARY EDUCATION (EIEd) College of Education & Human Service Professions																																						
1010 Introduction to Elementary Education (A-F only; prereq Pre EIEd)	11259 002 LEC, 02:30pm-03:45pm TTh, BohH 108; (Practicum 2 hrs per wk arr); Dietrich, Jane Ellen, 3 cr	11755 003 LEC, 10:00am-12:40pm F, MonH 121; (Practicum 2 hrs per wk arr); Dietrich, Jane Ellen, 3 cr	3113 Learning Environments and Diverse Learning Communities (A-F only; prereq Admission to the elementary education program)	10888 001 LEC, 03:00pm-03:50pm T, MonH 121, 03:00pm-04:50pm Th, MonH 121; (Practicum arr), 3 cr	11064 002 LEC, 01:00pm-01:50pm T, MonH 121, 01:00pm-02:50pm Th, MonH 121; (Practicum arr), 3 cr	3325 Language and Literacy (A-F only; prereq Concurrent registration is required (or allowed) in the following: 3113, 3331, 3355, 4400, SpEd 3310, admission to the elementary education program)	10889 001 LEC, 08:00am-09:40am MW, MonH 121; (Practicum arr); Stevenson, Jean Myers, 4 cr	11106 002 LEC, 10:00am-11:40am MW, MonH 121; (Practicum arr); Stevenson, Jean Myers, 4 cr	3331 Children's Literature and Integrated Creative Arts (A-F only; prereq Concurrent registration is required (or allowed) in the following: 3113, 3325, 3355, 4400, SpEd 3310, admission to the elementary education program)	10893 001 LEC, 10:00am-11:40am TTh, MonH 121; (Practicum arr); Dietrich, Jane Ellen; Mweti, Chang'aa, 4 cr	11450 002 LEC, 08:00am-09:40am TTh, MonH 121; (Practicum arr); Mweti, Chang'aa; Dietrich, Jane Ellen, 4 cr																											
4899 Senior Design Project I (A-F only; prereq Credit will not be granted if credit has been received for 4951; 3341, BSECE cand; instructor consent; no Grad School credit)	10203 001 DRS; Burns, Stanley G, 1 cr	10204 002 DRS; Hayee, M. Imran, 1 cr	10205 003 DRS; Carroll, Christopher Ralph, 1 cr	10206 004 DRS; Yang, Jiann-Shiou, 1 cr	10207 005 DRS; Kwon, Taek Mu, 1 cr	10208 006 DRS; Shaer, Bassam R, 1 cr	10209 007 DRS; Hasan, Mohammed A, 1 cr	10210 008 DRS; Stachowicz, Marian S, 1 cr	10211 009 DRS, 1 cr	11248 010 DRS, 1 cr	11574 011 DRS; Alba-Flores, Rocio, 1 cr	11575 012 DRS; Rios-Gutierrez, Fernando, 1 cr	4991 Independent Study (max crs 3; A-F only; prereq Instructor consent; does not qualify as ECE technical elective; no Grad School credit)	10630 001 IND; Burns, Stanley G, 1-3 cr	10631 002 IND, 1-3 cr	10632 003 IND; Carroll, Christopher Ralph, 1-3 cr	10633 004 IND; Yang, Jiann-Shiou, 1-3 cr	10634 005 IND; Kwon, Taek Mu, 1-3 cr	10635 006 IND; Shaer, Bassam R, 1-3 cr	10636 007 IND; Hasan, Mohammed A, 1-3 cr	10637 008 IND; Stachowicz, Marian S, 1-3 cr	10638 009 IND, 1-3 cr	11249 010 IND; Zhang, Qun, 1-3 cr	11576 011 IND, 1-3 cr	11577 012 IND; Rios-Gutierrez, Fernando, 1-3 cr	4999 Senior Design Project II (A-F only; prereq Instructor consent; credit will not be granted if credit has been received for 4951, 4899, BSECE cand; no Grad School credit)	10213 001 DRS; Burns, Stanley G, 3 cr	10214 002 DRS, 3 cr	10215 003 DRS; Carroll, Christopher Ralph, 3 cr	10216 004 DRS; Yang, Jiann-Shiou, 3 cr	10217 005 DRS; Kwon, Taek Mu, 3 cr	10218 006 DRS; Shaer, Bassam R, 3 cr	10219 007 DRS; Hasan, Mohammed A, 3 cr	10220 008 DRS; Stachowicz, Marian S, 3 cr	10221 009 DRS, 3 cr	11250 010 DRS; Zhang, Qun, 3 cr	11578 011 DRS, 3 cr	11579 012 DRS; Rios-Gutierrez, Fernando, 3 cr

3355	Critical Thinking: Elementary Mathematics (A-F only; prereq Successful completion of block one, concurrent registration is required (or allowed) in the following: 4344, 4345, 4366, SpEd 5310, admission to elementary education program)	12362 003 PRC, 1-6 cr 12363 004 PRC, 1-6 cr 12364 005 PRC, 1-6 cr 12367 006 PRC, 1-6 cr	8310	Project Methodology and Practice (A-F only; prereq 5110, 5120, 5130, 5160)		
10909	001 LEC, 01:00pm-02:40pm MW, MonH 121; (Practicum arr), 4 cr		12716	811 LEC, 06:00pm-08:40pm M, KPlz 173; (Course meets 9/8, 10/6, 11/3 and 12/1 with last meeting to be scheduled later); Wyrick, David Alan, 3 cr		
10910	002 LEC, 03:00pm-04:40pm MW, MonH 151; (Practicum arr), 4 cr		12749	812 LEC, 06:00pm-08:40pm M, Room TBA, DULUTH; (ITV, Hibbing Community College, Room B214, course meets 9/8, 10/6, 11/3, and 12/1 with last meeting to be scheduled later); Wyrick, David Alan, 3 cr		
3381	Teaching American Indian Students in the Elementary Classroom (A-F only; prereq EIED major)	4991	Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Department consent; no Grad School credit)	12750	814 LEC, 06:00pm-08:40pm M, Room TBA, DULUTH; (Grand Rapids NCROC, Room 209, ITV, course meets 9/8, 10/6, 11/3, and 12/1, with last meeting to be scheduled later); Wyrick, David Alan, 3 cr	
12140	001 LEC, 03:00pm-04:40pm T, MonH 108; Albert-Peacock, Elizabeth (Betsy) L., 2 cr	11097 001 IND, 1-6 cr 12806 400 IND; (course meets at Fond du Lac Community College), 1-6 cr	4993	Special Area Project (max crs 4; A-F only; prereq Instructor consent; no Grad School credit)		
29894	400 LEC; (course meets at Fond du Lac Community College); Hermes, Mary Rose, 2 cr	11098 001 DST, 1-4 cr	11099	001 DST, 1-4 cr		
4344	Teaching Science and Environmental Education (A-F only; prereq admission to elementary education program, successful completion of block one, concurrent registration is required (or allowed) in 3381, concurrent registration is required (or allowed) in 4345, concurrent registration is required (or allowed) in 4366, SpEd 5310, no Grad School cr)	5993	Special Area Project (max crs 4; A-F only; prereq Instructor consent; no Grad School credit)	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))	
11451	001 LEC, 01:00pm-02:40pm MW, MonH 151; (Practicum arr); Yoon PhD, Jiyoon, 4 cr	11099 001 DST, 1-4 cr		11914	811 THE; Wyrick, David Alan, 1-18 cr	
29895	400 LEC; (course meets at Fond du Lac Community College), 4 cr		ENGINEERING (Engr) College of Science & Engineering	8993	Engineering Management Seminar (max crs 2; S-N only; prereq Grad student, dept consent)	
4345	Instructional Strategies, Assessment, and Management (A-F only; prereq admission to elementary education program, successful completion of block one, concurrent registration is required (or allowed) in 3381, concurrent registration is required (or allowed) in 4344, 4366, SpEd 5310, no Grad School cr)	2015	Statics (prereq Math 1297, Phys 2011)	12662	811 SEM, 04:00pm-04:50pm M, Engr 280; Lindeke, Richard R, 1 cr	
11452	001 LEC, 10:00am-11:15am MW, MonH 151; (Practicum arr); Mwetli, Chang'aa, 3 cr	31025	001 LEC, 08:00am-08:50am MWF, Engr 280, 3 cr	8994	Directed Research (max crs 8; 8 repeats allowed; A-F only; prereq MSEM or grad student, department consent)	
29896	400 LEC; (course meets at Fond du Lac Community College); Dietrich, Jane Ellen, 3 cr	31024	002 LEC, 10:00am-10:50am MWF, Engr 177, 3 cr	12661	811 DRS, 1-4 cr	
4366	Teaching Social Studies and Environmental Education (A-F only; prereq admission to elementary education program, successful completion of block one, &3381, &4344, &4345, &SpEd 5310; no Grad School credit)	10180	003 LEC, 08:00am-09:15am TTh, ABAH 245, 3 cr	ENGLISH (Engl) College of Liberal Arts		
11453	001 LEC, 01:00pm-02:40pm TTh, BohH 346; (Practicum arr), 4 cr	2016	Mechanics of Materials (prereq 2015, concurrent registration is required (or allowed) for Math 3280)	1001	Great American Authors (A-F only; meets LE req of LE CAT9)	
29897	400 LEC; (course meets at Fond du Lac Community College); Peacock, Thomas D, 4 cr	10182	001 LEC, 03:00pm-03:50pm MWF, MWAH 195, 3 cr	11996	001 LEC, 10:00am-10:50am MWF, H 314; Schwetman, John David, 3 cr	
4400	Professional Development Seminar for Elementary Education Majors (A-F only; prereq Admission to elementary education program, concurrent registration is required (or allowed) in 3113, concurrent registration is required (or allowed) in 3325, concurrent registration is required (or allowed) in 3331, concurrent registration is required (or allowed) in 3355, SpEd 3310, no Grad School cr)	2026	Dynamics (prereq 2015, concurrent registration is required (or allowed) for Math 3280)	1101	Literature Appreciation (A-F only; prereq Credit will not be granted if credit received for 1907; primarily for nonmajors but also for potential majors and creative writers; meets LE req of LE CAT9)	
11764	001 LEC, 03:00pm-04:40pm W, MonH 206; (Weeks 2, 4, 6, 8, 10, 15), 1 cr	10181	001 LEC, 01:00pm-01:50pm MWF, Engr 280, 3 cr	12437	001 LEC, 09:00am-09:50am MWF, SCC 120; 1 seat reserved for Continuing Education, 3 cr	
11841	002 LEC, 01:00pm-02:40pm W, MonH 206; (Weeks 2, 4, 6, 8, 10, 15), 1 cr	4001	Engineering Professionalism (A-F only; prereq BSECE or BSChE or BSIE or BSME student, min 60 credits, no Grad School credit)	1575	20th-Century Literature (A-F only; prereq Primarily for nonmajors; meets LE req of LE CAT9)	
4600	Student Teaching (max crs 12; S-N only; prereq Admission to elementary education program, successful completion of block one and block two courses, no Grad School credit)	31223	001 LEC, 10:00am-11:50am TTh, LSci 185; Carroll, Christopher Ralph, 3 cr	11998	001 LEC, 4 cr	
11096	001 PRC, 6-12 cr	ENGINEERING MANAGEMENT (EMgt) College of Science & Engineering	4110	Engineering Professionalism and Practice (A-F only; prereq BSChE or BSECE or BSIE or BSME candidate within 2 semesters of graduation; instructor consent; no Grad School credit; credit will not be granted if credit received for IE 4155 or ME 4155)	1582	Introduction to World Literatures (A-F only; meets LEIP req of LEIP CAT09)
11536	002 PRC, 6-12 cr			10139	001 LEC, 3 cr	
12200	003 PRC, 6-12 cr			12122	002 LEC, 11:00am-11:50am MWF, ABAH 235; 1 seat reserved for Continuing Education, 3 cr	
12201	004 PRC, 6-12 cr			1666	Tales of Terror (A-F only; meets LE req of LE CAT9)	
12202	005 PRC, 6-12 cr			29962	001 DIS, 02:00pm-03:50pm TTh, ABAH 245; Adams, Stephen James, 4 cr	
12203	006 PRC, 6-12 cr			1803	Freshman Seminar: Unseen Reality (A-F only; prereq Freshman, fewer than 30 cr.; meets LE req of LE CAT9)	
12204	007 PRC, 6-12 cr			29986	001 SEM, 4 cr	
12205	008 PRC, 6-12 cr			1907	Introduction to Literature (A-F only; prereq Primarily for nonmajors; meets LE req of LE CAT9)	
12800	009 PRC, 6-12 cr			11771	001 LEC, 01:00pm-01:50pm MWF, ABAH 225; Bock, Martin F, 3 cr	
4650	Student Teaching in Individual Subjects: K-8 (max crs 7; 7 repeats allowed; S-N only; prereq Art ed cand or music ed cand, or phy ed cand or instr consent; no Grad School credit)	5160	Quality Management (A-F only; prereq EMgt student or department consent.)	2571	Contemporary Literature (A-F only; meets LE req of LE CAT9)	
11245	001 PRC, 1-6 cr	12085	811 LEC, 06:00pm-08:40pm Th, Engr 280; (ITV); Lindeke, Richard R, 3 cr	10148	001 LEC, 08:00am-08:50am MTWTh, BohH 108; 1 seat reserved for Continuing Education; Lips, Roger Cameron, 4 cr	
12361	002 PRC, 1-6 cr	12086	812 LEC, 06:00pm-08:40pm Th, Room TBA, OFFCAMPUMD; (Hibbing Comm College); Lindeke, Richard R, 3 cr	2581	Women Writers (A-F only; prereq 30 cr or instr consent; meets LECD req of LECD CAT09)	
		12087	813 LEC, 06:00pm-08:40pm Th, Room TBA, OFFCAMPUMD; (Mesabi Comm College, Virginia-ITV); Lindeke, Richard R, 3 cr	30059	001 LEC, 04:00pm-05:40pm TTh, MWAH 191; Basham, Kate, 4 cr	
		12088	814 LEC, 06:00pm-08:40pm Th, Room TBA, OFFCAMPUMD; (NCROC, Grand Rapids); Lindeke, Richard R, 3 cr	3115	Writing Fiction (max crs 8; A-F only; prereq Comp 1120 or instr consent)	
		12351	815 LEC, 06:00pm-06:40pm Th, Room TBA, OFFCAMPUMD; (Cesa #12, Ashland WI); Lindeke, Richard R, 3 cr	10140	001 SEM, 02:00pm-03:50pm TTh, Chem 153; Maiolo, Joseph C, 4 cr	
		5230	Technical Forecasting (A-F only; prereq EMgt Student or department consent.)			
		31034	811 LEC, 06:00pm-08:40pm T, Engr 280; Rosandich PhD, Ryan G, 3 cr			

3195 Special Topics: (Various Titles to be Assigned) (max crs 4; A-F only)	5821 History of the English Language (A-F only)	4996 Outdoor Education Internship (S-N only; prereq Rec major, instr consent ; no Grad School credit; Credit will not be granted if credit has been received for: Rec 4996)
30097 001 LEC, 12:00pm-01:50pm WF, ABAH 245, 1-4 cr	11228 001 LEC, 08:00am-09:50am TTh, Cina 316; Linn, Michael Duncan, 4 cr	10921 001 IEX, 12 cr
29995 002 LEC, 12:00pm-01:50pm TTh, ABAH 245, 09/06/05-10/26/05, 1-4 cr	5902 Teaching Language, Cognition, and Writing (A-F only; prereq Teach comm art/lit major or minor or TESOL licensure or instructor consent)	5164 Environmental Education In-Service Training (max crs 10; A-F only; prereq instr consent ; no Grad School credit)
3333 Children's Literature: Texts and Contexts (A-F only)	11123 001 LEC, 04:00pm-05:50pm TTh, MonH 208; Miller Cleary, Linda, 4 cr	11919 200 INI, 0.50-10 cr
29988 001 LEC, 08:00am-09:50am TTh, H 403; Sigler, Carolyn, 4 cr	12157 002 LEC, 12:00pm-01:50pm TTh, ABAH 235; Miller Cleary, Linda, 4 cr	5165 Theories and Models in Outdoor Education (A-F only; prereq instr consent ; no Grad School credit)
3501 British Literature I (A-F only; prereq Engl major or minor or teach comm art/lit major or minor)	5922 Teaching Literature and Communication (S-N only; prereq 5902, teach comm art/lit major or minor or TESOL licensure or instr consent)	12139 731 LEC; (Wolf Ridge Environmental Learning Center Certificate course), 2 cr
12785 001 LEC, 02:00pm-03:50pm TTh, MonH 208, 4 cr	10147 001 LEC, 12:00pm-01:40pm TTh, H 458, 12:00pm-12:50pm Th, SCC 42; Wright, Mary Frances, 4 cr	5555 Environmental Education for Practicing Educators (A-F only; prereq No Grad School credit)
3563 American Literature I (A-F only)	8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)	11324 200 INI; (Individualized Instruction); Boman, Thomas G, 2 cr
10142 001 LEC, 12:00pm-01:50pm M, ABAH 235, 12:00pm-12:50pm WF, ABAH 235; Schwetman, John David, 4 cr	11252 001 DRS; Adams, Stephen James, 1 cr	5850 Classroom Applications (A-F only; prereq MEd candidate or instr consent , no Graduate School credit)
3906 Methods of Literary Study (A-F only; prereq Comp 1120, Engl major or Tch Comm Art/Lit major or instr consent)	8444 FTE: Doctoral (NGA; prereq doctoral student, adviser and DGS consent)	29934 731 LEC, 2 cr
10143 001 LEC, 12:00pm-01:50pm TTh, Library 409; Sigler, Carolyn, 4 cr	11356 001 DRS, 1 cr	5998 Outdoor Education Seminar (max crs 3; 3 repeats allowed; S-N only; prereq Credit will not be granted if credit has been received for: Rec 4998, instr consent ; no Grad School credit)
4292 Literature into Film (A-F only; prereq 30 cr or instructor consent)	8666 Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; NGA; prereq [max 18 cr per semester or summer]; doctoral student who has not passed prelim oral exam)	10922 001 SEM, 04:00pm-05:00pm M, SpHC 212, 1 cr
29989 001 SEM, 02:00pm-03:50pm MW, H 403; This class should be scheduled in H 403., 4 cr	11367 001 THE, 1-18 cr	
4375 Drama (A-F only)	8888 Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq [max 18 cr per semester or summer]; 24 cr required)	
29990 001 LEC, 09:00am-09:50am MW, MonH 208, 08:00am-09:50am F, MonH 208, 4 cr	11397 001 THE, 1-24 cr	
4909 Senior Portfolio (S-N only; prereq Engl major, sr)	8906 Introduction to Critical Theory (A-F only; prereq Grad Student)	
11619 001 SEM; Adams, Stephen James; Bock, Carol Ann; Miller Cleary, Linda; Bock, Martin F; Maiolo, Joseph C; Sigler, Carolyn; Basham, Kate, 1 cr	10146 001 LEC, 04:00pm-05:50pm TTh, H 314; Twu, Krista Sue-Lo, 4 cr	
4931 Practicum in Teaching Literature (A-F only; prereq 3906, sr, 4 other upper division literature courses and instructor consent; no Grad School credit)	8931 Practicum in Teaching Literature (A-F only; prereq 8 cr grad-level literature or instructor consent)	
11748 001 PRC, 4 cr	11335 001 PRC, 4 cr	
5222 Shakespeare (A-F only; prereq 6 cr literature)		
12439 001 LEC, 02:00pm-02:50pm WF, BohH 108, 02:00pm-03:50pm M, BohH 108, 4 cr		
5533 Studies in English Literature Before 1800 (A-F only; prereq 6 cr literature)		
30062 001 LEC, 10:00am-11:50am TTh, MonH 208, 4 cr		
5572 American Renaissance (A-F only; prereq 6 cr literature)		
29994 001 LEC, 10:00am-11:50am TTh, H 480; Adams, Stephen James, 4 cr		
5577 Major American Authors (max crs 8; A-F only; prereq 6 cr literature)		
29991 001 LEC, 10:00am-10:50am MTWTh, ABAH 235; Lips, Roger Cameron, 4 cr		
5583 British Novel (A-F only)		
12000 001 LEC, 10:00am-10:50am MF, ABAH 245, 09:00am-10:50am W, ABAH 245; Bock, Martin F, 4 cr		
5591 Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq Instructor consent, max 6 cr may be applied to Grad School program)		
11244 001 DST; Bock, Carol Ann; Bock, Martin F, 1-5 cr		
5663 Readers and the History of Books (A-F only; prereq Jr or sr or grad student or instructor consent)		
29992 001 LEC, 11:00am-12:50pm M, H 314, 11:00am-11:50am WF, H 314; Bock, Carol Ann, 4 cr		
	ENVIRONMENTAL EDUCATION (EnEd) College of Education & Human Service Professions	ENVIRONMENTAL STUDIES (ES) College of Liberal Arts
	3331 Organization of Environmental Education Centers (A-F only; prereq 2300 or instr consent ; Credit will not be granted if credit has been received for: Rec 3331)	1001 Introductory Seminar (A-F only)
	11805 001 LEC, 12:00pm-03:00pm F, SpHC 212, 2 cr	11718 001 SEM, 02:00pm-02:50pm MW, Cina 308; Mageau, Michael T, 2 cr
	3341 Field Interpretive Techniques I (A-F only; prereq 3341 and instructor consent, credit will not be granted if credit has been received for: Rec 3341)	2001 Ecosystems I (A-F only; prereq ES major)
	10919 001 LEC, 02:00pm-04:50pm W, SpHC 9, 3 cr	11692 001 LEC, 03:30pm-04:45pm MW, H 490; Mageau, Michael T, 3 cr
	11842 002 LEC, 02:00pm-04:50pm W, SpHC 9A, 3 cr	4001 Independent Study (A-F only; prereq 60 cr or instructor consent; no Grad School credit)
	4163 Outdoor Education Methods (A-F only; prereq Rec 3342 or instr consent ; no Grad School credit)	11261 001 IND; Freunds Schuh, Scott, 1-3 cr
	11909 001 LAB, 02:00pm-05:00pm Th, SpHC SPHC000119; Gilbertson, Kenneth Lloyd, 3 cr	
	4315 Operations and Management (A-F only; prereq 2300 or instr consent ; no Graduate School credit)	
	10920 001 LEC, 12:00pm-12:50pm MTWTh, SpHC 212; Gilbertson, Kenneth Lloyd, 4 cr	
	4601 Wilderness Philosophy (prereq instr consent ; no Grad School credit)	
	11798 090 LEC, 06:00pm-08:00pm M, SpHC 207; Gilbertson, Kenneth Lloyd, 2 cr	
		EXERCISE SCIENCE ATHLETIC TRAINING (ESAT) College of Education & Human Service Professions
		2610 Introduction to Athletic Training (A-F only; prereq Pre-athletic training; Credit will not be granted if credit has been received for: PEP 2610)
		11005 001 LEC, 01:00pm-01:50pm MWF, SpHC 210; Dewald, Lori L, 3 cr
		2620 Athletic Emergency Care (A-F only; prereq Athletic training major instr consent , Credit will not be granted if credit has been received for: PEP 2620)
		12074 001 LEC, 11:00am-11:50am MW, SpHC 21, 2 cr
		2697 Clinical Experience in Athletic Training I (A-F only; prereq 2610, 2620, Athletic Training major, instr consent)
		12075 001 CLN, 11:00am-11:50am F, SpHC 21, 1 cr
		3200 Motor Learning and Development (A-F only; prereq Psy 1003 and athletic training or exercise science or pe cand or instr consent ; cr will not be granted if received for PEP 3020)
		001 LEC, 01:00pm-01:50pm MTWF, SpHC 205; Millslagle, Duane G.
		10978 002 LAB, 02:00pm-02:50pm T, SpHC 135, 02:00pm-02:50pm T, SpHC 150; SpHC 135 as second room; Millslagle, Duane G., 5 cr
		10979 003 LAB, 03:00pm-03:50pm T, SpHC 135, 03:00pm-03:50pm T, SpHC 205; SpHC 135 as second room; Millslagle, Duane G., 5 cr

3210 Exercise Adherence (A-F only; prereq Psy 1003, athletic training or exercise science candidate or instr consent; Credit will not be granted if credit has been received for: PEP 3021)	4646 Medical Aspects of Athletic Training (A-F only; prereq 3642, 3698, Athletic Training major, no Grad School credit)	12066 007 LEC, 06:00pm-08:40pm W, Engr 290; (LSBE candidates); Meets with: 12067 FMIS 3141, 3 cr
12576 001 LEC, 11:00am-11:50am MTWF, SpHC 207; Millslagle, Duane G., 4 cr	29944 001 LEC, 09:00am-09:50am MWF, SpHC 207; Dewald, Lori L., 3 cr	12067 008 LEC, 06:00pm-08:40pm W, Engr 290; (Economics majors); Meets with: 12066 FMIS 3141, 3 cr
3300 Human Biomechanics (A-F only; prereq Phys 1001, athletic training or exercise science cand or instr consent; Credit will not be granted if credit has been received for: PEP 3030)	4697 Clinical Experiences in Athletic Training V (A-F only; prereq 3697, athletic training major, no Grad School credit)	12207 009 LEC, 08:00am-09:15am TTh, SBE 40; (LSBE candidates); Meets with: 12208 FMIS 3141, 3 cr
001 LEC, 02:00pm-02:50pm MWF, SpHC 207; Levy, Morris	12090 001 CLN, 11:00am-11:50am T, SpHC 21, 2 cr	12208 010 LEC, 08:00am-09:15am TTh, SBE 40; (Economics majors); Meets with: 12207 FMIS 3141, 3 cr
11621 002 LAB, 08:00am-09:15am T, SpHC 205, 08:00am-09:15am T, FH 25; FH 25 as second room; Levy, Morris, 4 cr	4700 Statistics and Research Methods in Exercise Science (A-F only; prereq Exercise science candidate, 90 cr; Credit will not be granted if credit has been received for: PEP 5700, no Grad School credit)	3201 Management Information Systems (A-F only; prereq LSBE cand or approved non-LSBE Bus Adm minor or CS or Engr major or college consent)
11622 003 LAB, 09:30am-10:45am T, SpHC 205, 09:30am-10:45am T, FH 25; FH 25 as second room; Levy, Morris, 4 cr	11559 001 LEC, 11:00am-11:50am MTWF, SpHC 205; Levy, Morris, 4 cr	10524 001 LEC, 07:30am-08:45am TTh, MonH 70; (LSBE candidates); Meets with: 10525 FMIS 3201, 3 cr
12423 004 LAB, 4 cr	4996 Internship (max crs 12; 4 repeats allowed; S-N only; prereq 3420, pe cand, instr consent; no Grad School credit; Credit will not be granted if credit has been received for: PEP 4996)	10525 002 LEC, 07:30am-08:45am TTh, MonH 70; (Computer Science, Engineering or approved non-LSBE or Business Adm minors); Meets with: 10524 FMIS 3201, 3 cr
3400 Exercise Physiology (A-F only; prereq Hlth 2040, athletic training or exercise science cand or instr consent; Credit will not be granted if credit has been received for: PEP 3040)	10898 001 IEX, 3-12 cr	3222 Systems Analysis and Design (A-F only; prereq 3201, 3421, LSBE cand or college consent.)
001 LEC, 10:00am-10:50am MWF, SpHC 207; Keener PhD, John R	FAMILY MEDICINE (FMed) Duluth School of Medicine	10527 001 LEC, 02:00pm-02:50pm MWF, SBE 40; Hassan, Nik R., 3 cr
10900 002 LAB, 08:00am-09:15am Th, SpHC 201; Keener PhD, John R, 4 cr	5591 Independent Study (max crs 12; 12 repeats allowed; prereq Department consent)	3224 Telecommunications (A-F only; prereq 3201, CS 1121 or CS 1511, LSBE cand or college consent)
10901 003 LAB, 09:30am-10:45am Th, SpHC 201; Keener PhD, John R, 4 cr	11570 001 LAB; Davis, Gary L, 1-8 cr	11974 001 LEC, 04:00pm-05:15pm MW, SBE 40; Li, Dahui, 3 cr
3410 Performance Nutrition and Weight Management (A-F only; prereq 3400 or PEP 3040 or Hlth 2030, Hlth 2040, ath trng or exer sci or hlth ed or rec cand or instr consent, Credit will not be granted if credit has been received for: PE 3470 or PEP 3470)	7100 Clinical Family Medicine (max crs 117; 9 repeats allowed; P-N only; prereq Department consent; no grad credit)	3232 ASP.Net and Web Services (A-F only; prereq 3201, LSBE candidate or college consent)
11343 001 LEC, 12:00pm-12:50pm MTWF, SpHC 207; Harkins, Charlene Gail, 4 cr	10974 001 CLN; Westra, Ruth E, 13 cr	12563 001 LEC, 11:00am-12:15pm TTh, SBE 40; Lee, Seung Chan, 3 cr
3420 Exercise Testing and Prescription (A-F only; prereq 3300 or PEP 3030, 3400 or PEP 3040, athletic training or exercise science cand or instructor consent; cr will not be granted if cr received for PEP 3400)	FINANCE & MANAGEMENT INFORMATION (FMIS) School of Business & Economics	3301 Production and Operations Management (A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)
001 LEC, 12:00pm-12:50pm MWF, SpHC 205	2201 Information Technology in Business (A-F only; prereq Credit will not be granted if credit has been received for: 1201 or 3201 or CS 1011, LSBE student, min 15 cr or college consent)	10529 001 LEC, 04:00pm-04:50pm MWF, SCC 120; (LSBE candidates); Meets with: 10530 FMIS 3301; Person PhD, Henry B, 3 cr
11697 002 LAB, 12:00pm-01:15pm Th, SpHC 201, 3 cr	31070 001 LEC, 03:00pm-03:50pm MWF, SCC 120; (LSBE students and 15 cr); Meets with: 31073 FMIS 2201; Person PhD, Henry B, 3 cr	10530 002 LEC, 04:00pm-04:50pm MWF, SCC 120; (Non-LSBE Business Adm minors); Meets with: 10529 FMIS 3301; Person PhD, Henry B, 3 cr
12418 003 LAB, 02:00pm-03:15pm Th, SpHC 201, 3 cr	31073 002 LEC, 03:00pm-03:50pm MWF, SCC 120; (Information Systems Management students and 15 cr); Meets with: 31070 FMIS 2201; Person PhD, Henry B, 3 cr	11472 003 LEC, 03:00pm-03:50pm MWF, SBE 16; (LSBE candidates); Meets with: 11473 FMIS 3301; Lievano, Rodrigo J, 3 cr
3432 Exercise Leadership (A-F only; prereq 3400, exercise science cand or instr consent)	31074 003 LEC, 02:00pm-02:50pm MWF, Chem 150; (LSBE students and 15 cr); Meets with: 31076 FMIS 2201; Li, Dahui, 3 cr	11473 004 LEC, 03:00pm-03:50pm MWF, SBE 16; (Non-LSBE Business Adm minors); Meets with: 11472 FMIS 3301; Lievano, Rodrigo J, 3 cr
29783 001 LEC, 11:00am-11:50am MWF, SpHC 9; Also need SpHC 150A, 3 cr	31076 004 LEC, 02:00pm-02:50pm MWF, Chem 150; (Information Systems Management students and 15 cr); Meets with: 31074 FMIS 2201; Li, Dahui, 3 cr	11474 005 LEC, 06:00pm-08:40pm W, MonH 80; (LSBE candidates); Meets with: 11475 FMIS 3301; Lievano, Rodrigo J, 3 cr
3450 Management of Fitness Facilities (A-F only; prereq Exercise science cand or instr consent, cr will not be granted if cr received for PEP 3500)	31127 005 LEC, 12:00pm-12:50pm MWF, MonH 203; (LSBE students and 15 cr); Meets with: 31128 FMIS 2201; Hassan, Nik R., 3 cr	11475 006 LEC, 06:00pm-08:40pm W, MonH 80; (Non-LSBE Business Adm minors); Meets with: 11474 FMIS 3301; Lievano, Rodrigo J, 3 cr
10283 001 LEC, 09:30am-10:45am TTh, SpHC 9; Collins, Donald T, 3 cr	31128 006 LEC, 12:00pm-12:50pm MWF, MonH 203; (Information Systems Management students and 15 cr); Meets with: 31127 FMIS 2201; Hassan, Nik R., 3 cr	12068 007 LEC, 01:00pm-01:50pm MWF, SBE 16; (LSBE candidates); Meets with: 12069 FMIS 3301; Person PhD, Henry B, 3 cr
3630 Upper Extremity Injuries (A-F only; prereq 3600, athletic training major, Credit will not be granted if credit has been received for: PEP 3620)	3141 Business Communications (A-F only; prereq LSBE cand or Econ major or college consent)	12069 008 LEC, 01:00pm-01:50pm MWF, SBE 16; (Non-LSBE Business Adm minors); Meets with: 12068 FMIS 3301; Person PhD, Henry B, 3 cr
12076 001 LEC, 10:00am-10:50am MWF, SpHC 212; Dewald, Lori L, 3 cr	10515 001 LEC, 08:00am-08:50am MWF, SBE 40; (LSBE candidates); Meets with: 10516 FMIS 3141; Merrier, Patricia A, 3 cr	3397 LSBE Internship (A-F only; prereq Admitted to LSBE candidacy, consent of internship director)
3640 Therapeutic Modalities (A-F only; prereq 3600, 3630, 3632, athletic training major, Credit will not be granted if credit has been received for: PEP 3640)	10516 002 LEC, 08:00am-08:50am MWF, SBE 40; (Economics majors); Meets with: 10515 FMIS 3141; Merrier, Patricia A, 3 cr	11124 001 IEX; Kaas, Duane A, 3 cr
12077 001 LEC, 12:00pm-12:50pm MWF, SpHC 210, 3 cr	11467 003 LEC, 10:00am-10:50am MWF, SBE 40; (LSBE candidates); Meets with: 11468 FMIS 3141; Merrier, Patricia A, 3 cr	3421 Database Management and Design (A-F only; prereq CS 1121 or CS 1511, LSBE cand or college consent)
3697 Clinical Experiences in Athletic Training III (A-F only; prereq 2698, Athletic Training major)	11468 004 LEC, 10:00am-10:50am MWF, SBE 40; (Economics majors); Meets with: 11467 FMIS 3141; Merrier, Patricia A, 3 cr	11066 001 LEC, 12:00pm-12:50pm MWF, SBE 40; Li, Dahui, 3 cr
12078 001 CLN, 09:30am-10:30am T, SpHC 207, 2 cr	11543 005 LEC, 11:00am-11:50am MWF, SBE 40; (LSBE candidates); Meets with: 11544 FMIS 3141, 3 cr	3601 Corporation Finance (A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)
4001 Pharmacology in Athletic Training (A-F only; prereq 3632, 3642, 3698, Athletic Training major, no Grad School credit)	11544 006 LEC, 11:00am-11:50am MWF, SBE 40; (Economics majors); Meets with: 11543 FMIS 3141, 3 cr	31109 001 LEC, 09:00am-09:50am MWF, SBE 16; (LSBE candidates); Meets with: 11065 FMIS 3601, 3 cr
29946 001 LEC, 08:00am-08:50am MWF, SpHC 21, 2 cr		11065 002 LEC, 09:00am-09:50am MWF, SBE 16; (Non-LSBE Business Adm minors); Meets with: 31109 FMIS 3601, 3 cr

- 11476 003 LEC, 11:00am-11:50am MWF, SBE 16; (LSBE candidates); Meets with: 11477 FMIS 3601, 3 cr
- 11477 004 LEC, 11:00am-11:50am MWF, SBE 16; (Non-LSBE Business Adm minors); Meets with: 11476 FMIS 3601, 3 cr
- 11792 005 LEC, 08:00am-09:15am TTh, SBE 16; (LSBE candidates); Meets with: 11793 FMIS 3601, 3 cr
- 11793 006 LEC, 08:00am-09:15am TTh, SBE 16; (Non-LSBE Business Adm minors); Meets with: 11792 FMIS 3601, 3 cr
- 12072 007 LEC, 11:00am-12:15pm TTh, SBE 16; (LSBE candidates); Meets with: 12073 FMIS 3601, 3 cr
- 12073 008 LEC, 11:00am-12:15pm TTh, SBE 16; (Non-LSBE Business Adm minors); Meets with: 12072 FMIS 3601, 3 cr
- 10544 009 LEC, 02:00pm-03:15pm TTh, SBE 16; (LSBE candidates); Meets with: 31110 FMIS 3601, 3 cr
- 31110 010 LEC, 02:00pm-03:15pm TTh, SBE 16; (Non-LSBE Business Adm minors); Meets with: 10544 FMIS 3601, 3 cr
- 3612 Managerial Finance**
(A-F only; prereq 3601, LSBE cand or college consent)
- 10550 001 LEC, 02:00pm-03:15pm TTh, SBE 40; Dhatt, Manjeet, 3 cr
- 12737 002 LEC, 09:30am-10:45am TTh, SBE 40; Dhatt, Manjeet, 3 cr
- 3644 Investment Fundamentals**
(A-F only; prereq 3601, LSBE cand or college consent)
- 10551 001 LEC, 01:00pm-01:50pm MWF, SBE 40, 3 cr
- 3647 Financial Markets and Institutions**
(A-F only; prereq 3601, LSBE cand or college consent)
- 10561 001 LEC, 09:00am-09:50am MWF, SBE 40, 3 cr
- 3649 International Finance**
(A-F only; prereq 3601, LSBE cand or college consent)
- 10610 001 LEC, 12:30pm-01:45pm TTh, SBE 40; Dhatt, Manjeet, 3 cr
- 3695 Special Topics: (Various Titles to be Assigned)**
(max crs 6; 6 repeats allowed; A-F only; prereq 3601, LSBE cand or college consent)
- 31144 001 LEC, 03:00pm-03:50pm MWF, SBE 40, 3 cr; Special Topics: Risk Management and Insurance
- 3991 Independent Study**
(max crs 3; A-F only; prereq Department consent)
- 11243 001 IND; Wong, Shee Q, 1-3 cr
- 4222 Trends and Issues in Information Systems**
(A-F only; prereq 3201, CS 1121 or CS 1511, MIS major with 90 credits; no Grad School credit)
- 11866 001 LEC, 06:00pm-08:40pm W, SBE 40; Hassan, Nik R., 3 cr
- 4225 Advanced Applications Development**
(A-F only; prereq 3222, CS 2121, MIS major or college consent)
- 11466 001 LEC, 03:30pm-04:45pm TTh, SBE 40; Lee, Seung Chan, 3 cr
- 4615 Futures and Options**
(A-F only; prereq 3644, LSBE cand with 60 cr or grad student or college consent)
- 11975 001 LEC, 06:00pm-08:40pm T, SBE 40; Wong, Shee Q, 3 cr
- 4616 Security Analysis**
(A-F only; prereq 3644, Acct 3101 or Acct 3619; dept consent; no Grad School credit)
- 11689 001 LEC, 09:30am-10:45am TTh, SBE 51; Artim, Joseph Keith, 3 cr
- 4620 Portfolio Theory and Analysis**
(A-F only; prereq 4616, dept consent; no Grad School credit; Credit will not be granted if credit has been received for: FMIS 4611.)
- 11865 001 LEC, 11:00am-12:15pm TTh, SBE 51; Artim, Joseph Keith, 3 cr

FOREIGN STUDIES (FST)**College of Liberal Arts**

- 2929 Orientation to Foreign Studies**
(S-N only; prereq Admitted to an approved Study Abroad Program, required consent from the International Education Office.)
- 12654 001 LEC; Bacig, Thomas D; Sunnafrank, Michael J, 2 cr
- 4949 Foreign Study Synthesis**
(S-N only; prereq Admitted to an approved Study Abroad Program, required consent from the International Education Office.; meets IP req of International Perspective)
- 12655 001 DIS; Bacig, Thomas D; Sunnafrank, Michael J, 2 cr

FRENCH (Fr)**College of Liberal Arts**

- 1101 Beginning French I**
(A-F only; meets LE req of LE CAT3)
- 10129 001 LEC, 08:00am-08:50am MTThF, Library 409; 1 seat reserved for Continuing Education; Jenny, Yolande J, 4 cr
- 1201 Intermediate French I**
(A-F only; prereq 3-4 yrs high school Fr or 1102 or instr consent; meets LEIP req of LEIP CAT03)
- 10130 001 LEC, 01:00pm-01:50pm MF, Bohh 112, 01:00pm-01:50pm T, Engr 177; Kovacovic, Milan, 4 cr
- 2301 Advanced French**
(A-F only; prereq 5 yrs high school Fr or 1202 or instr consent; meets LECD req of LECD CAT03)
- 10131 001 LEC, 10:00am-10:50am MTThF, H 464; Jenny, Yolande J, 4 cr
- 3591 Independent Study**
(max crs 8; 8 repeats allowed; A-F only; prereq 2301 with C or better, instructor consent)
- 10132 001 IND, 1-4 cr
- 4472 French Classical Literature**
(A-F only; prereq 2301 or equiv with C or better or instr consent; no Grad School credit)
- 29749 001 LEC, 03:00pm-03:50pm MTThF, H 464; Kovacovic, Milan, 4 cr

GEOGRAPHY (Geog)**College of Liberal Arts**

- 1202 World Regional Geography**
(A-F only; meets LEIP req of LEIP CAT08)
- 10174 090 LEC, 04:00pm-05:15pm TTh, MonH 70; 6 seats reserved for Continuing Education; Knopp, Lawrence M, 3 cr
- 1304 Human Geography**
(A-F only; meets LECD req of LECD CAT06)
- 10185 001 LEC, 10:00am-10:50am MWF, MonH 70; 1 seat reserved for Continuing Education; Kuhlke, Olaf, 3 cr
- 1414 Physical Geography**
(A-F only; meets LE req of LE CAT4)
- 001 LEC, 09:30am-10:45am TTh, MonH 80; Farrell, Pat
- 10193 002 LAB, 08:00am-09:40am W, Cina 316; Farrell, Pat, 4 cr
- 10194 003 LAB, 09:00am-10:40am M, Cina 316; Farrell, Pat, 4 cr
- 10195 004 LAB, 09:00am-10:40am F, Cina 316; Farrell, Pat, 4 cr
- 10196 005 LAB, 12:00pm-01:40pm M, Cina 316; Farrell, Pat, 4 cr
- 11558 006 LAB, 12:00pm-01:40pm W, Cina 316; Farrell, Pat, 4 cr
- 11627 007 LAB, 12:00pm-01:40pm F, Cina 316; Farrell, Pat, 4 cr
- 11751 008 LAB, 02:00pm-03:40pm M, Cina 316; Farrell, Pat, 4 cr
- 11783 009 LAB, 02:00pm-03:40pm W, Cina 316; Farrell, Pat, 4 cr
- 2306 Environmental Conservation**
(A-F only; meets LE req of LE CAT8)
- 10186 001 LEC, 11:00am-12:15pm TTh, Cina 202; 1 seat reserved for Continuing Education; Zhu, Tongxin, 3 cr

- 2552 Introduction to Maps and Cartographic Methods**
(A-F only; meets LE req of LE CAT2)
- 10228 001 LEC, 01:00pm-01:50pm MWF, MonH 70; 1 seat reserved for Continuing Education; Kuhlke, Olaf, 3 cr
- 3422 Natural Hazards**
(A-F only; prereq 1414, 25 cr or instructor consent)
- 11782 001 LEC, 02:00pm-03:40pm TTh, VKH 221; Zhu, Tongxin, 4 cr
- 3991 Independent Study in Geography**
(max crs 6; 6 repeats allowed; A-F only; prereq instructor consent)
- 10259 001 IND, 04:30pm-05:20pm M, Cina 316; Freunds Schuh, Scott, 1-4 cr
- 3997 Internship in Geography**
(max crs 8; 8 repeats allowed; prereq Geog major, 60 cr or instructor consent)
- 10943 001 IEX, 04:30pm-05:20pm T, Cina 316; Freunds Schuh, Scott, 1-6 cr
- 4394 Gender, Space and Culture**
(A-F only; prereq 80 cr inc 6 cr geog or instructor consent)
- 11982 001 LEC, 10:00am-11:40am TTh, Cina 316; Knopp, Lawrence M, 4 cr
- 4451 The Geography of Soils**
(A-F only; prereq 1414 or Geol 1110 or Chem 1113 or Chem 1151 or grad student or instructor consent.)
- 001 LEC, 12:00pm-01:15pm TTh, Cina 316; Farrell, Pat
- 11694 002 LAB, 01:20pm-02:10pm Th, Cina 316; Farrell, Pat, 4 cr
- 4563 Introduction to Geographic Information Science**
(A-F only; prereq 3532, concurrent registration is required (or allowed) in 4564, 60 cr incl 16 cr geog or instructor consent)
- 10262 001 LEC, 11:00am-11:50am MWF, Cina 316; Freunds Schuh, Scott, 3 cr
- 4564 Laboratory in Geographic Information Science**
(A-F only; prereq 60 cr, concurrent registration required (or allowed) in 4563 or instructor consent)
- 11125 001 LEC, 12:00pm-01:50pm MW, Cina 324; Freunds Schuh, Scott, 2 cr
- 5803 Geographic Thought**
(A-F only; prereq 30 cr incl 12 cr geog or grad student or instructor consent)
- 10267 001 LEC, 02:00pm-03:15pm TTh, Cina 316; Knopp, Lawrence M, 3 cr
- 5991 Independent Study in Geography**
(max crs 6; 6 repeats allowed; A-F only; prereq Max 4 cr can be applied to Graduate School program; instructor consent)
- 10268 001 IND, 04:00pm-04:50pm W, Cina 316; Freunds Schuh, Scott, 1-4 cr
- 5995 Special Topics: (Various Titles to be Assigned)**
(max crs 6; 6 repeats allowed; A-F only; prereq Grad student or instr consent; max 8 cr to Grad School program)
- 31130 001 LEC, 06:00pm-08:30pm W, Cina 316; Stark, Stacey L, 1-4 cr
- 5999 Senior Project in Geography**
(max crs 4; A-F only; prereq Instructor consent; Max 3 cr can be applied to Grad School program)
- 11235 001 DRS, 02:00pm-04:50pm F, Cina 316; Freunds Schuh, Scott, 3-4 cr

GEOLOGY (Geol)**College of Science & Engineering**

- 1045 Freshman Seminar: Minnesota's Geologic History**
(A-F only; prereq Freshman, fewer than 30 cr.; meets LE req of LE CAT4)
- 12107 001 SEM, 02:00pm-03:15pm WF, LSci 126; Gallup, Christina D, 3 cr

1110	Geology and Earth Systems (A-F only; meets LE req of LE CAT4) 001 LEC, 02:00pm-03:15pm TTh, Chem 200; Goodge, John William	5220	Global Climate Change (A-F only; prereq instr consent) 31114 001 LEC, 02:00pm-03:15pm TTh, HH 238; Colman, Steve, 3 cr	4404	Contemporary Germany (A-F only; prereq 2301 with a grade of C or higher or equiv or instr consent; no Grad School credit) 29750 001 LEC, 02:00pm-02:50pm MTThF, KP1z 312; Zinn, Gesa, 4 cr
10318	002 LAB, 08:00am-09:50am M, LSci 120; Goodge, John William, 4 cr	5440	Depositional Environment and Stratal Architecture I: Field Methods and Applications (A-F only; prereq 3420 or grad student, instr consent) 31115 001 LEC, 02:00pm-03:50pm M, Chem 153; Demko, Timothy Michael, 2 cr	GRADUATE SCHOOL (Grad) UMD-Academic Administration	
10319	003 LAB, 01:00pm-02:50pm M, LSci 120; Goodge, John William, 4 cr	5810	Environmental Geophysics (A-F only; prereq 1110, Math 1297 or grad student or instr consent) 31117 001 LEC, 11:00am-12:15pm MW, HH 238; Wattrus, Nigel James, 3 cr	999 Graduate School Active Status (90 repeats allowed; NGA; prereq Grad School Students Only) 11896 001 IND, 0 cr	
10320	004 LAB, 03:00pm-04:50pm M, LSci 120; Goodge, John William, 4 cr	8094	Geologic Research (max crs 6; A-F only; prereq Instructor consent) 10983 001 DRS, 1-6 cr	HEALTH (Hlth) College of Education & Human Service Professions	
10321	005 LAB, 12:00pm-01:50pm T, LSci 120; Goodge, John William, 4 cr	8200	Professional Issues in Earth and Environmental Science (S-N only; prereq Graduate student or instr consent) 31119 001 LEC, 12:00pm-12:50pm T, HH 238; Hansen, Vicki L, 1 cr	1100 Health and Wellness Strategies for Life (A-F only; prereq Credit will not be granted if credit received for Hlth 1000; meets LE req of LE CAT8) 11700 001 LEC, 08:00am-08:50am MWF, SpHC 207; Kowalczyk PhD, John P, 3 cr 11701 002 LEC, 11:00am-11:50am MWF, SpHC 208; Kowalczyk PhD, John P, 3 cr 11983 003 LEC, 08:00am-09:15am TTh, SpHC 208; 1 seat reserved for Continuing Education; Harkins, Charlene Gail, 3 cr 12151 004 LEC, 02:00pm-03:15pm TTh, SpHC 207; Harkins, Charlene Gail, 3 cr	
10322	006 LAB, 03:00pm-04:50pm T, LSci 120; Goodge, John William, 4 cr	8333	FTE: Master's (NGA; prereq Master's 1/2s student, adviser and DGS consent) 11348 001 DRS, 1 cr	1104 Health Science Terminology (max crs 3; 3 repeats allowed; A-F only) 10134 001 DST, 12:00pm-12:50pm Th, SpHC 207; Meets with: 11801 HLTH 1104, 11802 HLTH 1104; Tornabene, Ladona L, 1-3 cr 11801 002 DST, 12:00pm-12:50pm Th, SpHC 207; Meets with: 10134 HLTH 1104, 11802 HLTH 1104; Tornabene, Ladona L, 1-3 cr 11802 003 DST, 12:00pm-12:50pm Th, SpHC 207; Meets with: 10134 HLTH 1104, 11801 HLTH 1104; Tornabene, Ladona L, 1-3 cr 10135 200 INI, 01:00pm-01:50pm T, SpHC 210; (Individualized Instruction), 1-3 cr	
10323	007 LAB, 10:00am-11:50am T, LSci 120; Goodge, John William, 4 cr	8444	FTE: Doctoral (NGA; prereq prereq doctoral student, adviser and DGS consent) 11358 001 DRS, 1 cr	1470 Human Nutrition (A-F only; meets LE req of LE CAT5) 10136 001 LEC, 09:00am-09:50am MWF, LSci 185; 2 seats reserved for Continuing Education; Harkins, Charlene Gail, 3 cr 10137 002 LEC, 02:00pm-02:50pm MWF, LSci 185; 1 seat reserved for Continuing Education; Harkins, Charlene Gail, 3 cr 10138 003 LEC, 08:00am-08:50am T, MonH 203; 1 seat reserved for Continuing Education; Ley, Eugene Stephen, 3 cr 11538 004 LEC, 10:00am-10:50am T, MonH 203; 2 seats reserved for Continuing Education; Ley, Eugene Stephen, 3 cr 11301 200 INI, 02:00pm-02:50pm T, MWAH 195; (Individualized Instruction); must be completed in a UMD computer lab. **Students must attend an introductory session on Tues., Sept 6, 2004 at 2 pm in MWAH 195); 1 seat reserved for Continuing Education; Ley, Eugene Stephen, 3 cr	
10324	008 LAB, 08:00am-09:50am W, LSci 120, 4 cr	8666	Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; NGA; prereq [max 18 cr per semester or summer]; prereq doctoral student who has not passed prelim oral) 11368 001 THE, 1-18 cr	1600 Basic First Aid (A-F only) 11234 001 LEC, 01:00pm-01:50pm MW, SpHC 21, 2 cr 10846 002 LEC, 09:30am-10:45am TTh, SpHC 21, 2 cr 11736 003 LEC, 12:00pm-12:50pm TTh, SpHC 21; Skrbich, Karen O, 2 cr 11759 004 LEC, 01:00pm-01:50pm TTh, SpHC 21, 2 cr 10847 090 LEC, 06:00pm-07:50pm W, SpHC 21; 4 seats reserved for Continuing Education, 2 cr	
10325	009 LAB, 10:00am-11:50am W, LSci 120; Goodge, John William, 4 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)) 11387 001 THE, 1-18 cr	1650 Cardiopulmonary Resuscitation (A-F only) 11264 090 LEC, 06:00pm-09:00pm M, SpHC 21, 09/ 12/05-10/31/05; (Special Term 9/12/05-10/ 31/05), 1 cr	
10326	010 LAB, 12:00pm-01:50pm W, LSci 120; Goodge, John William, 4 cr	8888	Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq [max 18 cr per semester or summer]; 24 cr required) 11398 001 THE, 1-24 cr	1700 Emergency Response (A-F only; prereq 1650 or 1600) 10963 001 LEC, 10:00am-10:50am MWF, SpHC 21, 3 cr	
10327	011 LAB, 03:00pm-04:50pm W, LSci 120, 4 cr	GERMAN (Ger) College of Liberal Arts			
11784	012 LAB, 08:00am-09:50am Th, LSci 120; Goodge, John William, 4 cr	1101	Beginning German I (A-F only; meets LE req of LE CAT3) 10086 001 LEC, 09:00am-09:50am MTThF, H 490; 1 seat reserved for Continuing Education; Conant, Jonathan B, 4 cr 12053 002 LEC, 11:00am-11:50am MTThF, H 490; Zinn, Gesa, 4 cr		
11785	013 LAB, 10:00am-11:50am M, LSci 120, 4 cr	1201	Intermediate German I (A-F only; prereq 3-4 yrs high school Ger or 1102 or instructor consent; meets LE req of LE CAT3) 10087 001 LEC, 08:00am-08:50am MTThF, H 490; Mullins, Michael John, 4 cr 10088 002 LEC, 10:00am-10:50am MTThF, Room TBA, DULUTH; Mullins, Michael John, 4 cr		
11786	014 LAB, 10:00am-11:50am Th, LSci 120; Goodge, John William, 4 cr	2301	Advanced German (A-F only; prereq 5 yrs high school Ger or 1202 or instr consent; meets LEIP req of LEIP CAT03) 10089 001 LEC, 02:00pm-02:50pm MTThF, H 490; Mullins, Michael John, 4 cr		
11787	015 LAB, 12:00pm-01:50pm Th, LSci 120; Goodge, John William, 4 cr	3401	Introduction to Literary Studies (A-F only; prereq 2301 or concurrent registration is required (or allowed) in 2301 or instructor consent) 29751 001 LEC, 11:00am-11:50am MTThF, H 464; Conant, Jonathan B, 4 cr		
11788	016 LAB, 4 cr	3591	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq 2301 with a grade of C or higher or equiv or instr consent) 10090 001 IND, 1-4 cr		
2120	The Earth's Dynamic Interior (A-F only; prereq 1110 or 2110) 11676 001 LEC, 02:00pm-03:15pm TTh, HH 216; Hansen, Vicki L, 3 cr				
2311	Mineralogy (A-F only; prereq Credit will not be granted if credit has been received for: 2300; 1110, 1 sem college chem or Instructor approval) 001 LEC, 09:00am-09:50am TTh, HH 120; Morton, Penelope 11789 002 LAB, 10:00am-11:50am TTh, HH 120; Morton, Penelope, 4 cr				
2350	Earth's Resources (A-F only; prereq 25 sem cr or instr consent; meets LEIP req of LEIP CAT05) 10381 001 LEC, 03:00pm-04:15pm MW, HH 216; Wattrus, Nigel James, 3 cr				
2610	Oceanography (A-F only; meets LE req of LE CAT5) 10689 001 LEC, 01:00pm-01:50pm MWF, LSci 185, 3 cr				
3091	Independent Study (max crs 4; 4 repeats allowed; prereq Instructor consent) 10869 001 IND, 1-2 cr				
3420	Sedimentology and Stratigraphy (A-F only; prereq 2312) 001 LAB, 02:00pm-03:50pm W, HH 114; Demko, Timothy Michael 12106 002 LEC, 09:00am-09:50am MWF, HH 216; Demko, Timothy Michael, 1 cr				
3540	Geologic Field Methods (A-F only; prereq 2300 or 2312 or instr consent.) 12660 001 LAB; Class will meet August 29, 2005 - September 2, 2005, 1 cr				
3710	Introduction to Geochemistry (A-F only; prereq Math 1296 or equiv, Chem 1152 or instr consent) 31111 001 LEC, 11:00am-11:50am MWF, HH 216; Brown, Erik Thorson, 3 cr				
5091	Geologic Problems (max crs 4; 4 repeats allowed; prereq Graduate Student or instructor consent) 10967 001 DST, 1-2 cr				
5210	Glacial and Quaternary Geology (A-F only; prereq 3210 or grad student or instr consent) 12792 001 LAB, 02:00pm-03:50pm F, HH 114; Moers, Howard D, 3 cr 002 LEC, 10:00am-10:50am MW, HH 216; Moers, Howard D				

11549 002 LEC, 12:00pm-12:50pm MWF, SpHC 21, 3 cr

2030 Applied Human Anatomy

(A-F only; prereq Athletic training, hlth ed or pe or exer sci or rec major or cand, [biol 1001 or biol 1011], [chem 1102 or chem 1113], credit will not be granted if credit has been received for: biol 1001 or 1011, Chem 1102 or 1113)

001 LEC, 09:00am-09:50am MTWTF, MonH 203; Nierengarten, Mark Edward

10938 002 LAB, 08:00am-09:15am Th, SpHC 207; Nierengarten, Mark Edward, 4 cr

10939 003 LAB, 09:30am-10:45am Th, SpHC 207; Nierengarten, Mark Edward, 4 cr

2040 Principles of Human Physiology

(A-F only; prereq Athletic training or hlth ed or pe or rec or ex sci majors or cand or hlth ed minor, 1 sem each of college Biol, Chem, Anat recommended)

12518 001 LEC, 02:00pm-02:50pm MTWTh, MonH 203; Keener PhD, John R, 4 cr

3101 Community Health

(A-F only)

10912 001 LEC, 02:00pm-03:15pm TTh, SpHC 208; Tornabene, Ladona L, 3 cr

3115 Consumer Health Education

(A-F only)

10811 001 LEC, 09:30am-10:45am TTh, SpHC 210; Kowalczyk PhD, John P, 3 cr

3118 Women's Health Issues

(A-F only)

12601 001 LEC, 06:00pm-07:50pm W, SpHC 208, 3 cr

11284 090 LEC, 3 cr

3202 Drug Education

(A-F only; prereq 45 cr, for students seeking and admitted to the STEP (Secondary Teaching Education program), cand in health education, physical education, exercise science and communication sciences and disorders or instructor consent.)

10241 001 LEC, 01:00pm-01:50pm TTh, MonH 80; 1 seat reserved for Continuing Education; Kowalczyk PhD, John P, 2 cr

3301 Foundations of Health Education

(A-F only; prereq 1100, hlth ed cand or instructor consent)

10239 001 LEC, 01:00pm-01:50pm MWF, SpHC 207; Keeney, Georgia Lynn, 3 cr

3303 Health Education and Promotion Program

(A-F only; prereq Concurrent registration is required (or allowed) in 3301, hlth ed cand or instructor consent; credit will not be granted if credit received for 3450)

12091 001 LEC, 10:00am-10:50am MWF, SpHC 208; Keeney, Georgia Lynn, 3 cr

4000 Professional Issues for Health Educators

(A-F only; prereq 3305, hlth ed candidate or instr consent; no Grad School credit)

12079 001 LEC, 02:00pm-04:50pm W, SpHC 210; Tornabene, Ladona L, 3 cr

4996 Internship in Health Education

(max crs 15; 3 repeats allowed; S-N only; prereq hlth ed major, instructor consent; no Grad School credit)

10914 001 IEX; Tornabene, Ladona L, 1-15 cr

5161 School Health Programs: Early Childhood through Middle School

(A-F only; prereq EIEd 1010 and completion of 45 cr, el/middle school educ, hlth ed or ECh cand or pre el/middle school educ majors)

10783 001 LEC, 03:00pm-04:04pm M, SpHC 207; Kowalczyk PhD, John P, 2 cr

11848 002 LEC, 12:00pm-12:50pm TTh, SpHC 210; Kowalczyk PhD, John P, 2 cr

HEALTH, PHYSICAL EDUCATION AND RECREATION (HPER)**College of Education & Human Service Professions****3000 Organization and Administration of Health, Physical Education, and Recreation**

(A-F only; prereq hlth ed or pe or exer sci or rec cand or instr consent)

10279 001 LEC, 09:00am-09:50am MWF, SpHC 212; Collins, Donald T, 3 cr

3100 Risk Management

(A-F only; prereq exer sci or rec cand or instructor consent)

29997 001 LEC, 12:00pm-12:50pm TTh, SpHC 9, 2 cr

3200 Research and Evaluation in Health Science

(A-F only; prereq Min 60 cr, Health ed major or minor or rec major or minor or instr consent)

11239 001 LEC, 02:00pm-03:15pm TTh, SpHC 210; Keeney, Georgia Lynn, 3 cr

HISTORY (Hist)**College of Liberal Arts****1027 Freshman Seminar: Introduction to Islam**

(A-F only; prereq Freshman, fewer than 30 credits; meets LE req of LE CAT7)

11881 001 SEM, 08:00am-09:15am TTh, ABAH 225; Stanfield-Johnson, Rosemary, 3 cr

1207 Dawn of Modern Europe

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

12063 001 LEC, 11:00am-11:50am MWF, ABAH 225; 1 seat reserved for Continuing Education; Matthews, Steven Paul, 3 cr

1208 Europe in the Modern Age

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

10237 001 LEC, 09:00am-09:50am MWF, ABAH 225; Yelengi, Nkasa Tekilaz, 3 cr

11624 090 LEC, 06:00pm-08:40pm T, ABAH 225; 5 seats reserved for Continuing Education; Pogorelskin, Alexis E, 3 cr

1304 US History Part I: 1607-1877

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

11623 001 LEC, 10:00am-10:50am MWF, MonH 203; Approved Large Lecture Classroom MonH 203; 1 seat reserved for Continuing Education; Hannah, Eleanor L, 3 cr

32503 002 LEC, 03:30pm-04:45pm TTh, ABAH 225; Miller, William Kevin, 3 cr

1305 US History Part II: 1865-Present

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

29863 001 LEC, 3 cr

12725 002 LEC, 12:00pm-12:50pm MWF, ABAH 225, 3 cr

11699 090 LEC, 06:00pm-08:40pm Th, ABAH 225; Miller, William Kevin, 3 cr

2244 The History of Science: Ancients to Newton

(A-F only)

12532 001 LEC, 02:00pm-02:50pm MWF, ABAH 225; Matthews, Steven Paul, 3 cr

2265 Russia in the 20th Century

(A-F only; meets LEIP req of LEIP CAT07)

11780 001 LEC, 12:00pm-12:50pm MWF, SCC 120; Approved large classroom

SCC 120

; 1 seat reserved for Continuing Education; Pogorelskin, Alexis E, 3 cr

2357 Women in American History

(A-F only; meets LECD req of LECD CAT07)

12061 001 LEC, 02:00pm-03:15pm TTh, ABAH 225, 3 cr

2515 Precolonial Africa

(A-F only; meets LECD req of LECD CAT07)

10240 001 LEC, 11:00am-11:50am MWF, ABAH 245; Yelengi, Nkasa Tekilaz, 3 cr

2525 Islamic Societies

(A-F only; meets LEIP req of LEIP CAT07)

12646 001 LEC, 09:30am-10:45am TTh, ABAH 245; Stanfield-Johnson, Rosemary, 3 cr

3007 The World of Late Antiquity

(A-F only; prereq Credit will not be granted if credit received for HmCI 3007)

29774 001 LEC, 02:00pm-03:15pm TTh, ABAH 235; Miller, William Kevin, 3 cr

3091 Directed Readings in History

(max crs 16; 16 repeats allowed; A-F only; prereq Instructor consent)

10291 001 DRD, 1-4 cr

3097 Internship in History

(max crs 6; 6 repeats allowed; A-F only; prereq 60 cr, instructor consent)

10290 001 IEX; Pogorelskin, Alexis E, 1-3 cr

3099 Practicum in Teaching History

(max crs 6; A-F only; prereq History major, completion of 20 cr of 2xxx and above history courses with GPS of 3.3, completion of 90 credits, instructor consent)

12565 001 PRC, 3 cr

3239 Europe in the Age of Renaissance and Reformation: 1348-1648

(A-F only)

12062 001 LEC, 09:30am-10:45am TTh, Engr 290; Matthews, Steven Paul, 3 cr

3243 Europe in Crisis in the 20th Century

(A-F only)

11739 200 INI; (Individualized Instruction); 2 seats reserved for Continuing Education; Pogorelskin, Alexis E, 3 cr

3244 History of Holocaust

(A-F only)

11781 001 LEC, 10:00am-10:50am MWF, ABAH 225; Pogorelskin, Alexis E, 3 cr

3257 Modern France

(A-F only)

29826 001 LEC, 02:00pm-02:50pm MWF, ABAH 245; Yelengi, Nkasa Tekilaz, 3 cr

3317 American Expansion, 1800-1900

(A-F only)

29827 001 LEC, 02:00pm-03:15pm TTh, H 314; Hannah, Eleanor L, 3 cr

3333 From Homer to Alexander: Archaic and Classical Greece

(A-F only; prereq Credit will not be granted if credit received for HmCI 3333)

11638 001 LEC, 08:00am-09:15am TTh, ABAH 235; Miller, William Kevin, 3 cr

3365 American Culture and Globalization

(A-F only)

12461 001 LEC, 09:30am-10:45am TTh, ABAH 225, 3 cr

3505 Colloquium for Majors

(max crs 2; S-N only; prereq Department consent; hist or teaching soc studies major/minor; attendance at 5 dept-approved lectures/discussions over 1-yr period; regis only during semester of 5th lect; (1 cr for attendance; 2 cr for attendance, presentation))

10298 001 COL, 03:00pm-03:50pm W, ABAH 235; Hannah, Eleanor L, 1-2 cr

3725 Islamic History from Muhammad to the Ottomans

(A-F only)

11882 001 LEC, 03:30pm-04:45pm TTh, ABAH 235; Stanfield-Johnson, Rosemary, 3 cr

5094 Directed Research

(max crs 12; 3 repeats allowed; A-F only; prereq Instructor consent, max 4 cr may be applied to Grad School program)

10301 001 DRS, 4 cr

5905 History Seminar

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

12462 001 SEM, 03:30pm-05:10pm TTh, H 480, 4 cr

**INDUSTRIAL ENGINEERING (IE)
College of Science & Engineering**

- 1225 Introduction to Design and Manufacturing Engineering**
(A-F only; prereq Math 1296 or instr consent, Credit will not be granted if credit has been received for: 1105, 1205)
001 LEC, 08:00am-09:50am M, Engr 204; Voss, John C
11633 002 LAB, 08:00am-09:50am WF, Engr 204; Voss, John C, 4 cr
- 3105 Human Factors**
(A-F only; prereq BSIE or BSME candidate or instructor consent)
001 LEC, 11:00am-11:50am MWF, VKH 201; Voss, John C
11635 002 LAB, 10:00am-11:50am Th, VKH 201; Voss, John C, 4 cr
11636 003 LAB, 01:00pm-02:50pm Th, VKH 201; Voss, John C, 4 cr
- 3115 Operations Research**
(A-F only; prereq Math 3280, Stat 3611, BSIE or BSME candidate or instr consent)
10782 001 LEC, 08:00am-09:50am TTh, Engr 177; Johnson, Thys B, 4 cr
- 3125 Engineering Economic Analysis**
(A-F only; prereq Stat 3611 (concurrent registration is allowed), BSIE or BSME cand or instr consent)
10780 001 LEC, 10:00am-10:50am MWF, Engr 118; Rosandich PhD, Ryan G, 3 cr
- 3135 Materials Processing**
(A-F only; prereq Engr 2016, ME 2105, Stat 3611, BSIE or BSME cand or instr consent)
001 LEC, 09:00am-09:50am MWF, Engr 290; Pedersen PhD, Bill
10788 002 LAB, 10:00am-11:50am T, VKH 168; Pedersen PhD, Bill, 4 cr
10789 003 LAB, 03:00pm-04:50pm T, VKH 168; Pedersen PhD, Bill, 4 cr
30069 004 LAB, 01:00pm-02:50pm T, VKH 168; Pedersen PhD, Bill, 4 cr
- 4115 Facility Planning and Simulation**
(A-F only; prereq 3255, 3265, BSIE or BSME candidate)
001 LEC, 03:00pm-03:50pm MWF, VKH 221, 03:00pm-03:50pm F, Engr 204
10807 002 LAB, 10:00am-11:50am F, Engr 204; Kendall, L Alden, 4 cr
- 4196 Cooperative Education**
(max crs 2; A-F only; prereq BSIE or BSME candidate; no Grad School credit)
10991 001 IEX; Wyrick, David Alan, 1 cr
- 4255 Multidisciplinary Senior Design**
(A-F only; prereq EMgt 4110; BSIE or BSME cand, instr consent, no Grad School credit; Credit will not be granted if credit has been received for: ME 4255)
001 LEC, 03:00pm-04:50pm T, Engr 260
30071 002 LAB, 01:00pm-04:50pm Th, Engr 260, 4 cr
- 4491 Independent Study**
(max crs 4; 4 repeats allowed; A-F only; prereq BSIE or BSME cand, department consent)
10992 001 IND, 1-4 cr
- 4993 Industrial Engineering Seminar**
(max crs 2; S-N only; prereq BSIE or BSChE or BSECE or BSME or MEHS cand or instructor consent; no Grad School credit)
11887 001 LEC, 04:00pm-04:50pm M, Engr 118; Lindeke, Richard R, 1 cr
- 5335 Engineered Products and Services**
(prereq BSChE, BSECE, BSME, BSIE, and MSEM candidate, instructor consent)
30141 815 LEC, 06:00pm-08:40pm W, Engr 280, instruction mode: Distance Education and On-Site; Ashland WITC, 3 cr

INTERDISCIPLINARY STUDIES (IS)**College of Liberal Arts**

- 3001 Interdisciplinary Methods Seminar**
(A-F only; prereq IS major or instructor consent)
10149 001 SEM, 01:00pm-01:50pm TTh, H 480, 2 cr
- 3099 Senior Project**
(max crs 10; A-F only; prereq IS major or instructor consent)
10160 001 IND; Bacig, Thomas D, 1-10 cr
- 8001 Introduction to Liberal Studies**
(max crs 8; 8 repeats allowed; S-N only; prereq MLS candidate or department consent)
11732 821 LEC, 06:00pm-09:30pm T, H 403; Fetzer, James H, 1-4 cr
- 8250 Ecological Economics**
(A-F only; prereq Econ 1003 or 1023 or Biol 2803 or instructor consent)
31108 821 LEC, 06:00pm-09:30pm W, H 403; Klemmer, A R, 4 cr
- 8591 Directed Study**
(max crs 8; 8 repeats allowed; A-F only; prereq MLS candidate or department consent)
10965 821 DST; Fetzer, James H, 1-8 cr

INTERNATIONAL STUDIES (IntS)**College of Liberal Arts**

- 1191 International Study**
(max crs 15; 15 repeats allowed; A-F only; prereq Department consent)
10328 001 IND, 1-5 cr
- 3191 International Study**
(max crs 15; 15 repeats allowed; A-F only; prereq Department consent)
10329 001 IND, 1-5 cr
- 3197 International Internship**
(max crs 8; 8 repeats allowed; S-N only; prereq 50 cr, department consent; max 4 cr may be applied to IntS major)
11158 001 IEX, 1-6 cr
- 4100 Seminar in International Studies**
(A-F only; prereq Pol 1050, 60 cr incl 8 upper div cr approved IntS courses or instructor consent)
11523 001 SEM, 12:00pm-01:50pm T, BohH 343, 12:00pm-01:50pm Th, MonH 108, 4 cr
- 4891 Independent Study**
(A-F only; prereq 8 cr IntS, instructor consent.)
11524 001 IND, 1-5 cr

ITALIAN (Ital)**College of Liberal Arts**

- 1101 Beginning Italian**
(A-F only; meets LEIP req of LEIP CAT03)
29752 001 LEC, 11:00am-11:50am MWF, H 480; Weidmer-Ocampo, Richard T, 3 cr

JOURNALISM (Jour)**College of Liberal Arts**

- 2001 Reporting and Writing I**
(A-F only; prereq Comp 1120)
11534 001 LEC, 11:00am-11:50am MWF, H 484; Aima, Abhinav Kaul, 3 cr
12124 090 LEC, 06:00pm-08:40pm M, H 484; 3 seats reserved for Continuing Education, 3 cr
- 3001 Reporting and Writing II**
(A-F only; prereq 2001, Comp 1120)
12064 001 LEC, 02:00pm-03:15pm MW, H 484; Aima, Abhinav Kaul, 3 cr
- 3300 News Photography**
(A-F only)
12720 090 LEC, 06:00pm-08:40pm T, H 484; Digby, Drew, 3 cr
- 3401 Broadcast News Writing**
(A-F only; prereq 2001, Comp 1120)
11630 001 LEC, 04:30pm-05:45pm TTh, H 484, 3 cr

- 3991 Independent Study in Journalism**
(max crs 5; A-F only; prereq 2001, instr consent)
29954 001 IND; Digby, Drew, 1-5 cr
- 4021 Sports and Outdoors Journalism**
(A-F only; prereq 2001, Comp 1120; no Grad School credit)
12539 090 LAB, 02:00pm-03:15pm TTh, H 484, 3 cr
- 4101 News Layout and Design**
(A-F only; prereq No Grad School credit)
12346 001 LAB, 09:30am-10:45am TTh, H 484, 3 cr
- 4800 Perspectives on International News Reporting and Editing**
(A-F only; prereq No Grad School credit)
29953 090 LEC, 06:00pm-08:40pm T, H 484; Aima, Abhinav Kaul, 3 cr
- 5102 Advanced Editing**
(A-F only; prereq 2001, 3101 or grad or instructor consent)
12540 001 LEC, 02:45pm-04:00pm MW, H 484; Aima, Abhinav Kaul, 3 cr
- 5197 Journalism Internship**
(max crs 3; A-F only; prereq 2001, 3700, 60 cr or grad or instructor consent)
11631 001 IEX, 1-3 cr

LABOVITZ SCHOOL OF BUSINESS AND ECONOMICS (LSBE)**School of Business & Economics**

- 1101 The Business Environment**
(A-F only; meets LE req of LE CAT8)
10001 001 LEC, 03:30pm-04:45pm TTh, MWAH 195, 3 cr

LANGUAGE (Lang)**College of Liberal Arts**

- 1301 ESL: English for Academic Writing and Speaking**
(max crs 6; A-F only)
11708 001 LEC, 02:00pm-02:50pm MWF, Engr 177; Anderson, Heidi Rochelle, 3 cr
- 3091 Directed Study**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent, department consent)
10093 001 DST, 1-3 cr

LIMNOLOGY (Lim)**College of Science & Engineering**

- 5101 Physical Limnology**
(A-F only; prereq Math 1297, Phys 2012, or grad student, Credit will not be granted if credit has been received for: 5001)
31120 001 LEC, 08:00am-09:15am TTh, KPlz 144, 3 cr
- 5102 Chemical Limnology**
(A-F only; prereq Math 1296, Phys 1002 or 1202, Chem 1152 or 1162, or grad student, Credit will not be granted if credit has been received for: 5001)
31121 001 LEC, 09:30am-10:45am TTh, Chem 153; Werne, Josef P, 3 cr

LINGUISTICS (Ling)**College of Liberal Arts**

- 1811 Introduction to Language**
(A-F only; meets LE req of LE CAT2)
11462 001 LEC, 09:00am-09:50am MWF, Cina 202; Linn, Michael Duncan, 3 cr
11553 002 LEC, 08:00am-09:15am TTh, Engr 290; Mackiewicz, Jo M, 3 cr
12356 003 LEC, 09:30am-10:45am TTh, Cina 308; Tornaiainen, Maarit-Hannele, 3 cr
- 3591 Independent Study in Linguistics**
(max crs 6; 6 repeats allowed; A-F only; prereq 1811 or instructor consent, department consent)
10678 001 IND; Linn, Michael Duncan, 1-3 cr

5802 Applied Linguistics (A-F only; prereq 1811 or instructor consent)	30991 009 LEC, 03:00pm-03:50pm MWF, ABAH 245; (LSBE candidates); Meets with: 31000 MGTS 3701, 3 cr	4481 Strategic Management (A-F only; prereq 3401, 3701, FMIS 3301, FMIS 3601, 90 cr, LSBE cand or college consent; no Grad School credit)	
11242 001 LEC, 10:00am-11:50am TTh, Room TBA, DULUTH; Mackiewicz, Jo M, 4 cr	31000 010 LEC, 03:00pm-03:50pm MWF, ABAH 245; (Non-LSBE Business Adm minors); Meets with: 30991 MGTS 3701, 3 cr	10673 001 LEC, 09:00am-09:50am MWF, SBE 50; Goel, Sanjay, 3 cr	
5852 Practicum in Teaching Linguistics (A-F only; prereq 1811, 3101, 3102 or instructor consent)	3711 Marketing Research (A-F only; prereq 3701, LSBE cand or college consent)	10674 002 LEC, 08:00am-08:50am MWF, SBE 50; Borchert, Patricia Sand, 3 cr	
10680 001 PRC, 3 cr	10656 001 LEC, 02:00pm-03:15pm TTh, SBE 50; Castleberry Sr, Stephen Byron, 3 cr	10675 003 LEC, 10:00am-10:50am MWF, SBE 50; Borchert, Patricia Sand, 3 cr	
8591 Independent Study in Linguistics (max crs 6; 6 repeats allowed; A-F only; prereq Department consent)	11507 002 LEC, 06:00pm-08:40pm Th, SBE 50, 3 cr	12409 004 LEC, 06:00pm-08:40pm Th, SBE 20; Bell, Geoffrey George, 3 cr	
10681 001 IND; Linn, Michael Duncan, 1-3 cr	3741 Fundamentals of Selling (A-F only; prereq 3701, LSBE cand or college consent)	12709 005 LEC, 12:00pm-12:50pm MWF, SBE 50, 3 cr	
MANAGEMENT STUDIES (MgtS)			
School of Business & Economics			
3397 LSBE Internship (A-F only; prereq LSBE cand, consent of internship director)	11509 001 LEC, 08:00am-09:15am TTh, SBE 50; Castleberry Sr, Stephen Byron, 3 cr	4495 Special Topics: (Various Titles to be Assigned) (max crs 9; 3 repeats allowed; A-F only; prereq LSBE cand, 3401 or college consent)	
10771 001 IEX; Kaas, Duane A, 3 cr	11510 002 LEC, 09:30am-10:45am TTh, SBE 50; Castleberry Sr, Stephen Byron, 3 cr	30102 001 SEM, 04:00pm-05:15pm MW, SBE 20; Cummings, Anne, 3 cr; T:Negotiations, Bargaining and Conflict Resolution	
3401 Organizational Behavior and Management (A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)	3781 International Marketing (A-F only; prereq 3701, LSBE cand or college consent)	4496 Management of Field Studies (A-F only; prereq 90 cr, LSBE cand; department consent; no Grad School credit)	
31026 001 LEC, 09:30am-10:45am TTh, SBE 16; (LSBE candidates); Meets with: 31027 MGTS 3401; Pierce, Jon L, 3 cr	10657 001 LEC, 03:30pm-04:45pm TTh, SBE 36; Kratz, John L, 3 cr	10775 001 IEX; Knudsen, Kjell Roar, 3 cr	
31027 002 LEC, 09:30am-10:45am TTh, SBE 16; (Non-LSBE Business Adm minors); Meets with: 31026 MGTS 3401; Pierce, Jon L, 3 cr	11336 002 LEC, 06:00pm-08:40pm T, SBE 50, 3 cr	4721 Advertising and Marketing Communications (A-F only; prereq 3701, LSBE cand or college consent)	
31029 003 LEC, 10:00am-10:50am MWF, SBE 16; (LSBE candidates); Meets with: 11339 MGTS 3401; Mencl, Jennifer, 3 cr	3801 Human Resource Management (A-F only; prereq LSBE cand or approved non-LSBE bus adm or college consent)	12504 001 LEC, 11:00am-12:15pm TTh, SBE 40; Kratz, John L, 3 cr	
11339 004 LEC, 10:00am-10:50am MWF, SBE 16; (Non-LSBE Business Adm minors); Meets with: 31029 MGTS 3401; Mencl, Jennifer, 3 cr	10625 001 LEC, 12:30pm-01:45pm TTh, SBE 16; (LSBE candidates); Meets with: 10626 MGTS 3801; David, Jannifer Gregory, 3 cr	12505 002 LEC, 12:30pm-01:45pm TTh, Cina 202; Kratz, John L, 3 cr	
11503 005 LEC, 12:00pm-12:50pm MWF, Engr 290; (LSBE candidates); Meets with: 11504 MGTS 3401; Cummings, Anne, 3 cr	10626 002 LEC, 12:30pm-01:45pm TTh, SBE 16; (Non-LSBE Business Adm minors); Meets with: 10625 MGTS 3801; David, Jannifer Gregory, 3 cr	4731 Consumer Behavior (A-F only; prereq 3701, LSBE cand or college consent)	
11504 006 LEC, 12:00pm-12:50pm MWF, Engr 290; (Non-LSBE Business Adm minors); Meets with: 11503 MGTS 3401; Cummings, Anne, 3 cr	10627 003 LEC, 12:00pm-12:50pm MWF, SBE 16; (LSBE candidates); Meets with: 11337 MGTS 3801; Mencl, Jennifer, 3 cr	10655 001 LEC, 01:00pm-01:50pm MWF, SBE 50, 3 cr	
31030 007 LEC, 02:00pm-02:50pm MWF, SBE 16; (LSBE candidates); Meets with: 31031 MGTS 3401; Cummings, Anne, 3 cr	11337 004 LEC, 12:00pm-12:50pm MWF, SBE 16; (Non-LSBE Business Adm minors); Meets with: 10627 MGTS 3801; Mencl, Jennifer, 3 cr	11508 002 LEC, 03:00pm-03:50pm MWF, SBE 50, 3 cr	
31031 008 LEC, 02:00pm-02:50pm MWF, SBE 16; (Non-LSBE Business Adm minors); Meets with: 31030 MGTS 3401; Cummings, Anne, 3 cr	11794 005 LEC, 04:00pm-05:15pm MW, SBE 16; (LSBE candidates); Meets with: 11795 MGTS 3801; Mencl, Jennifer, 3 cr	4781 Marketing Management and Strategy (A-F only; prereq 3701, 3711, 1 other marketing course, 90 cr, LSBE cand or grad or college consent)	
10660 009 LEC, 03:30pm-04:45pm TTh, SBE 16; (LSBE candidates); Meets with: 10661 MGTS 3401, 3 cr	11795 006 LEC, 04:00pm-05:15pm MW, SBE 16; (Non-LSBE Business Adm minors); Meets with: 11794 MGTS 3801; Mencl, Jennifer, 3 cr	10651 001 LEC, 04:00pm-05:15pm MW, SBE 50; Rochford, Linda, 3 cr	
10661 010 LEC, 03:30pm-04:45pm TTh, SBE 16; (Non-LSBE Business Adm minors); Meets with: 10660 MGTS 3401, 3 cr	12406 007 LEC, 06:00pm-08:40pm M, SBE 16; (LSBE candidates); Meets with: 12407 MGTS 3801, 3 cr	12408 002 LEC, 07:45am-08:50am MW, SBE 20; Rochford, Linda, 3 cr	
3491 Independent Study (max crs 3; A-F only; prereq Department consent)	12407 008 LEC, 06:00pm-08:40pm M, SBE 16; (Non-LSBE Business Adm minors); Meets with: 12406 MGTS 3801, 3 cr	4821 Staffing Work Organizations (A-F only; prereq 3801, LSBE cand or college consent)	
10773 001 IND; Castleberry Sr, Stephen Byron, 1-3 cr	3997 Management of Community Projects (max crs 3; A-F only; prereq 3401, 3801, LSBE cand or instr consent)	10628 001 LEC, 09:30am-10:45am TTh, Room TBA, DULUTH; David, Jannifer Gregory, 3 cr	
3701 Principles of Marketing (A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)	10982 001 FWK; Kaas, Duane A, 1-3 cr	4831 Compensation Systems (A-F only; prereq 3801, LSBE cand or college consent)	
10646 001 LEC, 08:00am-08:50am MWF, SBE 16; (LSBE candidates); Meets with: 10647 MGTS 3701, 3 cr	4421 Managing Change (A-F only; prereq 3401, 3801 or equiv, LSBE cand or grad student or college consent)	10629 001 LEC, 03:30pm-04:45pm TTh, SBE 50; Rubenfeld, Stephen A, 3 cr	
10647 002 LEC, 08:00am-08:50am MWF, SBE 16; (Non-LSBE Business Adm minors); Meets with: 10646 MGTS 3701, 3 cr	11984 001 LEC, 03:30pm-04:45pm TTh, H 458, 3 cr	4881 Human Resource Issues and Trends (A-F only; prereq 3801, LSBE cand or college consent)	
11067 003 LEC, 10:00am-10:50am MWF, Room TBA, DULUTH; (LSBE candidates); Meets with: 11340 MGTS 3701, 3 cr	4431 Leadership (A-F only; prereq 3401, LSBE cand or college consent)	12502 001 LEC, 11:00am-12:15pm TTh, SBE 50; Rubenfeld, Stephen A, 3 cr	
11340 004 LEC, 10:00am-10:50am MWF, Room TBA, DULUTH; (Non-LSBE Business Adm minors); Meets with: 11067 MGTS 3701, 3 cr	11985 001 LEC, 12:30pm-01:45pm TTh, SBE 50; Pierce, Jon L, 3 cr	MASTER IN ADVOCACY AND POLITICAL LEADERSHIP (MAPL)	
11505 005 LEC, 06:00pm-08:40pm T, SBE 16; (LSBE candidates); Meets with: 11506 MGTS 3701; Aggarwal, Praveen, 3 cr	4461 Business and Society (A-F only; prereq 3401, LSBE cand or college consent)	College of Liberal Arts	
11506 006 LEC, 06:00pm-08:40pm T, SBE 16; (Non-LSBE Business Adm minors); Meets with: 11505 MGTS 3701; Aggarwal, Praveen, 3 cr	11796 001 LEC, 06:00pm-08:40pm W, SBE 16; Bell, Geoffrey George, 3 cr	5112 Politics of Labor (A-F only; prereq MAPL or Grad School or Collegiate Grad student or instructor consent)	
12093 007 LEC, 01:00pm-01:50pm MWF, H 314; (LSBE candidates); Meets with: 12094 MGTS 3701, 3 cr	4472 Entrepreneurship (A-F only; prereq LSBE cand or college consent)	31077 001 SEM, 01:00pm-04:00pm S, Cina 316; Peterson, Erik S, 3 cr	
12094 008 LEC, 01:00pm-01:50pm MWF, H 314; (Non-LSBE Business Adm minors); Meets with: 12093 MGTS 3701, 3 cr	12521 001 SEM, 02:00pm-02:50pm MWF, SBE 50; Borchert, Patricia Sand, 3 cr	5115 Small Community Leadership (A-F only; prereq MAPL or Grad School or Collegiate Grad student or #)	
	4473 Management of Innovation and Technology (A-F only; prereq 3401, LSBE cand or college consent)	12758 001 LEC, 07/30/05-01/16/06; Mageau, Michael T, 3 cr	
	30091 001 LEC, 11:00am-11:50am MWF, SBE 50; Goel, Sanjay, 3 cr	31072 001 LEC, 01:00pm-04:00pm S, SpHC 212; Mageau, Michael T, 3 cr	

- 5119 Techniques for Nonprofit Advocacy**
(A-F only; prereq MAPL or Grad School or Collegiate Grad student or instructor consent)
31071 001 LEC, 01:00pm-03:00pm S, Cina 214; Reinert, Roger Jonathon, 3 cr
- 5200 Nonprofits and Civic Engagement**
(A-F only; prereq MAPL or Grad School or Collegiate Grad student or instructor consent)
12755 001 LEC, 07/30/05-01/16/06; Prefer Kplz 311 or 309 or 312 with all of our MAPL weekend classes, 3 cr
- 5301 Campaigns and Elections**
(A-F only; prereq MAPL or Grad School or Collegiate Grad student or instructor consent)
31066 001 LEC, 06:00pm-09:00pm F, SpHC 212, 3 cr
- 5305 Courts as Agents of Social Change**
(A-F only; prereq MAPL or Grad School or Collegiate Grad student or instructor consent)
31067 001 LEC, 06:00pm-09:00pm F, Cina 214, 3 cr
- 6001 Political Process and Public Policy**
(prereq MAPL or Grad School or Collegiate Grad student or instructor consent)
12754 001 LEC, 09:00am-12:00pm S, Room TBA, DULUTH, 07/30/05-01/16/06; Open to MAPL students only; Spano, Wy; Stromquist, Sue J, 3 cr
- 6003 Civic Engagement and Political Cultures**
(prereq MAPL or Grad School or Collegiate Grad student or instr consent)
31069 001 LEC, 09:00am-12:00pm S, SpHC 212; Open to MAPL students only., 3 cr
- 6004 Political Organizing and Communication**
(prereq MAPL or Grad School or Collegiate Grad student or instr consent)
31068 001 LEC, 09:00am-12:00pm S, Cina 214; Open to MAPL students only., 3 cr
- 6009 Advocacy Internship**
(max crs 8; prereq MAPL or Grad School or Collegiate Grad student or instr consent)
12802 001 IEX, instruction mode: Distance Education and On-Site; Spano, Wy, 1-5 cr

- 29773 800 LEC, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 11/04/05-11/04/05, 08:00am-12:30pm S, Room TBA, ROCHESTER, 11/05/05-11/05/05, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 11/18/05-11/18/05, 08:00am-12:30pm S, Room TBA, ROCHESTER, 11/19/05-11/19/05, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 12/02/05-12/02/05, 08:00am-12:30pm S, Room TBA, ROCHESTER, 12/03/05-12/03/05, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 12/16/05-12/16/05, 08:00am-12:30pm S, Room TBA, ROCHESTER, 12/17/05-12/17/05, 3 cr
- 8811 Human Resource Challenges**
(A-F only; prereq MgtS 3801 or equiv, grad student or college consent)
12427 800 LEC, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 09/09/05-09/09/05, 08:00am-12:30pm S, Room TBA, ROCHESTER, 09/10/05-09/10/05, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 09/23/05-09/23/05, 08:00am-12:30pm S, Room TBA, ROCHESTER, 09/24/05-09/24/05, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 10/07/05-10/07/05, 08:00am-12:30pm S, Room TBA, ROCHESTER, 10/08/05-10/08/05, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 10/21/05-10/21/05, 08:00am-12:30pm S, Room TBA, ROCHESTER, 10/22/05-10/22/05; Rubenfeld, Stephen A, 3 cr
- 8991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq College consent)
11127 001 LEC; Vaidyanathan, Rajiv, 1-3 cr
- 8994 Directed Research**
(max crs 6; 6 repeats allowed; A-F only; prereq MBA student)
11128 001 DRS; Vaidyanathan, Rajiv, 1-6 cr
- 8999 Projects in Business**
(max crs 6; 6 repeats allowed; A-F only; prereq MBA or grad student, college consent)
11991 001 DST; Vaidyanathan, Rajiv, 1-3 cr

- 6160 Finite Mathematics and Introduction to Calculus**
(A-F only; prereq 1005; credit will not be received if credit granted for: 1290, 1296; meets LE req of LE CAT2)
10331 001 LEC, 08:00am-08:50am MWF, LSci 185
002 DIS, 08:00am-08:50am TTh, LSci 185; 1 seat reserved for Continuing Education, 5 cr
10332 003 DIS, 09:00am-09:50am TTh, Room TBA, DULUTH, 5 cr
10333 004 DIS, 10:00am-10:50am TTh, Chem 155, 5 cr
10334 005 DIS, 11:00am-11:50am TTh, BohH 343, 5 cr
10335 006 DIS, 12:00pm-12:50pm TTh, Cina 106, 5 cr
10336 007 DIS, 02:00pm-02:50pm TTh, H 480, 5 cr
008 LEC, 02:00pm-02:50pm MWF, SCC 120; Pierson, Chad Michael
10338 009 DIS, 08:00am-08:50am TTh, Chem 155, 5 cr
10339 010 DIS, 10:00am-10:50am TTh, Engr 118, 5 cr
10340 011 DIS, 11:00am-11:50am TTh, H 468, 5 cr
10341 012 DIS, 12:00pm-12:50pm TTh, H 490, 5 cr
10342 013 DIS, 02:00pm-02:50pm TTh, Cina 106, 5 cr
10343 014 DIS, 04:00pm-04:50pm TTh, Cina 106, 5 cr
12175 015 LET, 03:00pm-04:05pm MTWTh, Cina 308, 5 cr
- 1234 Freshman Seminar: Topics: (Various Titles to be Assigned)**
(A-F only; prereq Freshman, fewer than 30 cr.; meets LE req of LE CAT2)
31159 001 SEM, 10:00am-11:15am TTh, SCC 130; Gallian, Joseph A, 3 cr
- 1250 Precalculus Analysis**
(A-F only; prereq A grade of at least C- in 1005 or math placement; meets LE req of LE CAT2)
10345 001 LEC, 08:00am-08:50am MWF, SCC 120
002 DIS, 09:00am-09:50am TTh, Chem 251, 4 cr
10346 003 DIS, 10:00am-10:50am TTh, Room TBA, DULUTH, 4 cr
10347 004 DIS, 02:00pm-02:50pm TTh, LSci 185, 4 cr
10348 005 DIS, 03:00pm-03:50pm TTh, BohH 104, 4 cr
006 LEC, 10:00am-10:50am MWF, SCC 120; Pierson, Chad Michael
10350 007 DIS, 08:00am-08:50am TTh, SBE 20, 4 cr
10351 008 DIS, 10:00am-10:50am TTh, Engr 280, 4 cr
10352 009 DIS, 12:00pm-12:50pm TTh, Chem 251, 4 cr
10353 010 DIS, 03:00pm-03:50pm TTh, H 468, 4 cr
011 LEC, 11:00am-11:50am MWF, SCC 120
10355 012 DIS, 08:00am-08:50am TTh, Cina 202, 4 cr
10356 013 DIS, 09:00am-09:50am TTh, Room TBA, DULUTH, 4 cr
11306 014 DIS, 11:00am-11:50am TTh, Cina 308, 4 cr
11993 015 DIS, 02:00pm-02:50pm TTh, Cina 308, 4 cr

MASTER OF BUSINESS ADMINISTRATION (MBA)
School of Business & Economics

- 8311 Operations Management**
(A-F only; prereq FMIS 3301 or equiv, grad student or college consent)
12527 001 LEC, 06:00pm-08:40pm M, SBE 40; Lievano, Rodrigo J, 3 cr
- 8512 Managerial Economics**
(A-F only; prereq Econ 1022, Econ 1023 or equiv), grad student or college consent)
29770 001 LEC, 06:00pm-08:40pm T, SBE 20, 09/06/05-11/08/05; Raab, Raymond L, 2 cr
29771 800 LEC, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 10/14/05-10/14/05, 08:00am-12:00pm S, Room TBA, ROCHESTER, 10/15/05-10/15/05, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 10/28/05-10/28/05, 08:00am-12:00pm S, Room TBA, ROCHESTER, 10/29/05-10/29/05, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 11/11/05-11/11/05, 08:00am-12:00pm S, Room TBA, ROCHESTER, 11/12/05-11/12/05; Lichy, Richard W, 2 cr
- 8711 Marketing Management**
(A-F only; prereq MgtS 3701 or equiv, grad student or college consent)
29772 001 LEC, 06:00pm-08:40pm W, SBE 50; Aggarwal, Praveen, 3 cr

MATHEMATICS (Math)
College of Science & Engineering

- 1005 College Algebra**
(A-F only; prereq Math placement or department consent)
11709 001 LEC, 08:00am-08:50am MTWThF, Chem 251, 5 cr
11992 002 LEC, 11:00am-11:50am MTWThF, Chem 251, 5 cr
11710 003 LEC, 03:00pm-04:05pm MTWTh, Chem 251, 5 cr
11711 004 LEC, 04:00pm-05:05pm MTWTh, Cina 102; 1 seat reserved for Continuing Education, 5 cr
11712 005 LEC, 06:00pm-08:15pm MW, Chem 251; 1 seat reserved for Continuing Education, 5 cr
11738 006 LEC, 06:00pm-08:15pm TTh, Chem 251; 1 seat reserved for Continuing Education, 5 cr
- 1024 Introduction to Contemporary Mathematics**
(A-F only; prereq 1005 or math placement; meets LE req of LE CAT2)
11494 001 LEC, 02:00pm-02:50pm MWF, Cina 102; Latterell, Carmen Marie, 3 cr
- 1141 Mathematics for Elementary Education**
(A-F only; prereq [1005, pre-elem ed major] or department consent)
001 LEC, 08:00am-08:50am MWF, Chem 155
10311 002 LAB, 08:00am-08:50am T, MonH 239, 4 cr
10312 003 LAB, 08:00am-08:50am Th, MonH 239, 4 cr
004 LEC, 09:00am-09:50am MWF, Chem 251
10314 005 LAB, 09:00am-09:50am T, MonH 239, 4 cr
10315 006 LAB, 09:00am-09:50am Th, MonH 239, 4 cr

- 1290 Calculus for the Natural Sciences**
(A-F only; prereq 1250 or math placement; credit will not be granted if credit received for: 1296; meets LE req of LE CAT2)
001 LEC, 10:00am-10:50am MTThF, BohH 108; Sharp, Angela Marie
10358 002 LAB, 10:00am-10:50am W, KPlz 143, 5 cr
- 1296 Calculus I**
(A-F only; prereq 3 1/2 yrs high school algebra or trig or geometry or college precalc course, a grade of at least C- in 1250, Credit will not be granted if credit has been received for: 1290; meets LE req of LE CAT2)
001 LEC, 11:00am-11:50am MWF, LSci 185; Greene, John Robert
10360 002 DIS, 08:00am-08:50am TTh, Engr 280, 5 cr
10361 003 DIS, 09:00am-09:50am TTh, BohH 112, 5 cr
10362 004 DIS, 11:00am-11:50am TTh, Engr 177, 5 cr
10363 005 DIS, 12:00pm-12:50pm TTh, H 464, 5 cr

10364	006 DIS, 02:00pm-02:50pm TTh, Engr 118, 5 cr	11189	014 IEX; Regal, Ronald Ray, 1-3 cr	5365	Graph Theory (A-F only; prereq 3355 or instructor consent)
10365	007 DIS, 04:00pm-04:50pm TTh, BohH 104, 5 cr 008 LEC, 01:00pm-01:50pm MWF, SCC 120; Sharp, Angela Marie	11190	015 IEX; Stech, Harlan W, 1-3 cr	10431	001 LEC, 12:00pm-12:50pm MWF, Chem 251; Froncek, Dalibor, 3 cr
10367	009 DIS, 08:00am-08:50am TTh, HH 302, 5 cr	11606	016 IEX; Trogdon, Steven Arman, 1-3 cr	5371	Abstract Algebra I (A-F only; prereq 3355 or 4326 or grad standing or instr consent)
10368	010 DIS, 10:00am-10:50am TTh, Engr 177, 5 cr	3120	Mathematics Tutorial Project (max crs 4; 4 repeats allowed; S-N only; prereq 1296 or 1596, instr consent)	10441	001 LEC, 02:00pm-02:50pm MWF, Cina 202; Mc Farland, Robert L, 3 cr
10369	011 DIS, 12:00pm-12:50pm TTh, MonH 208, 5 cr	10380	001 PRC; Tutoring schedules are arranged with the instructor.; Latterell, Carmen Marie, 1-2 cr	5830	Numerical Analysis: Approximation and Quadrature (prereq 3280 or 4326, proficiency in FORTRAN or C or C++)
10370	012 DIS, 02:00pm-02:50pm TTh, MWAH 191, 5 cr	3280	Differential Equations with Linear Algebra (A-F only; prereq A grade of at least C- in 1297 or 1597)	10449	001 LEC, 11:00am-11:50am MWF, Cina 308; Trogdon, Steven Arman, 4 cr
10371	013 DIS, 03:00pm-03:50pm TTh, Engr 280, 5 cr	10383	001 LEC, 09:00am-09:50am MWThF, Engr 118; Thralow, Amanda Marie	5991	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq Department consent; Max 6 cr to a Grad School program.)
10372	014 DIS, 04:00pm-04:50pm TTh, MonH 206, 5 cr 015 LEC, 03:00pm-04:15pm MW, LSci 185; McFarland, Robert L	10385	002 LAB, 09:00am-09:50am T, MonH 209, 4 cr 003 LEC, 10:00am-10:50am MWThF, Room TBA, DULUTH; Stech, Harlan W	11191	001 IND; Fei, Guihua, 1-4 cr
11312	016 DIS, 08:00am-08:50am TTh, HH 216, 5 cr	10387	004 LAB, 10:00am-10:50am T, MonH 209, 4 cr 005 LEC, 12:00pm-12:50pm MWThF, MonH 206; Fei, Guihua	11192	002 IND; Froncek, Dalibor, 1-4 cr
11888	017 DIS, 09:00am-09:50am TTh, Engr 280, 5 cr	10389	006 LAB, 12:00pm-12:50pm T, MonH 209, 4 cr 007 LEC, 01:00pm-01:50pm MWThF, KPlz 312	11193	003 IND; Gallian, Joseph A, 1-4 cr
12095	018 DIS, 11:00am-11:50am TTh, Cina 102, 5 cr	11744	008 LAB, 01:00pm-01:50pm T, MonH 209, 4 cr 009 LEC, 03:00pm-04:15pm MWTh, KPlz 312; Peckham, Bruce B	11194	004 IND; Green, Richard F, 1-4 cr
12096	019 DIS, 02:00pm-02:50pm TTh, Room TBA, DULUTH, 5 cr	11890	010 LAB, 03:00pm-03:50pm T, MonH 209, 4 cr 011 LEC, 04:00pm-05:15pm MWTh, H 464; Fei, Guihua	11195	005 IND; Greene, John Robert, 1-4 cr
12097	020 DIS, 03:00pm-03:50pm TTh, SCC 25, 5 cr	12398	012 LAB, 04:00pm-04:50pm T, MonH 209, 4 cr	11196	006 IND; James, Barry R, 1-4 cr
12098	021 DIS, 04:00pm-04:50pm TTh, SpHC 207, 5 cr	3298	Calculus III (A-F only; prereq At grade of at least C- in 1297 or 1597)	11197	007 IND; James, Kang Ling, 1-4 cr
1297	Calculus II (A-F only; prereq A grade of at least C- in 1290 or 1296) 001 LEC, 12:00pm-12:50pm MWF, LSci 175; Gallian, Joseph A	10389	001 LEC, 09:00am-09:50am MWF, SBE 20, 09:00am-09:50am T, Engr 118	11198	008 IND; Latterell, Carmen Marie, 1-4 cr
10374	002 DIS, 08:00am-08:50am TTh, BohH 112, 5 cr	10391	002 LAB, 09:00am-09:50am Th, MonH 209, 4 cr 003 LEC, 12:00pm-12:50pm MTWF, Engr 177; Thralow, Amanda Marie	11199	009 IND; Lenz, Kathryn E, 1-4 cr
10375	003 DIS, 09:00am-09:50am TTh, Chem 155, 5 cr	10392	004 LAB, 12:00pm-12:50pm Th, MonH 209, 4 cr 005 LEC, 02:00pm-02:50pm MTWF, Chem 251; Thralow, Amanda Marie	11200	010 IND; Liu, Zhuangyi, 1-4 cr
10376	004 DIS, 12:00pm-12:50pm TTh, Cina 308, 5 cr	12100	006 LAB, 02:00pm-02:50pm Th, MonH 209, 4 cr	11201	011 IND; Mc Farland, Robert L, 1-4 cr
10377	005 DIS, 02:00pm-02:50pm TTh, Engr 280, 5 cr	3299	Intermediate Analysis (A-F only; prereq 1297 or 1597)	11202	012 IND; Peckham, Bruce B, 1-4 cr
10378	006 DIS, 03:00pm-03:50pm TTh, MonH 203, 5 cr	31174	001 LEC, 09:00am-09:50am MWF, Cina 308; Lenz, Kathryn E, 3 cr	11203	013 IND; Qi, Yongcheng, 1-4 cr
10379	007 DIS, 04:00pm-04:50pm TTh, H 468, 5 cr	3355	Discrete Mathematics (A-F only; prereq [1296 or 1596 or 1597, CS 1511, 1297 or CS 1521] or instr consent)	11204	014 IND; Regal, Ronald Ray, 1-4 cr
1596	Honors: Calculus I (A-F only; prereq 1250 or 3 1/2 years high school mathematics including trigonometry, dept consent; meets HON req of Honors; meets LE req of LE CAT2)	10392	001 LEC, 03:00pm-03:50pm MWF, BohH 346, 03:00pm-03:50pm Th, Engr 118; Greene, John Robert, 4 cr	11205	015 IND; Stech, Harlan W, 1-4 cr
31173	001 LEC, 11:00am-11:50am MWF, VKH 221, 11:00am-11:50am TTh, ABAH 235; Froncek, Dalibor, 5 cr	3941	Undergraduate Colloquium (S-N only; prereq Math major or minor, department consent; must regis during sem of 16th point)	11206	016 IND; Trogdon, Steven Arman, 1-4 cr
3091	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq Department consent)	10395	001 COL, 03:30pm-04:45pm Th, SCC 120; Gallian, Joseph A, 1 cr	8333	FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
11161	001 IND; Fei, Guihua, 1-3 cr	4326	Linear Algebra (A-F only; prereq A grade of at least C- in 3280, 3 cr Math/Stat above 3120; no Grad School credit)	11349	001 DRS; Stech, Harlan W, 1 cr
11162	002 IND; Froncek, Dalibor, 1-3 cr	11657	001 LEC, 10:00am-10:50am MWF, SpHC 210; Lenz, Kathryn E, 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))
11163	003 IND; Gallian, Joseph A, 1-3 cr	4371	Introduction to Abstract Algebra (A-F only; prereq 3355, 4326 or 3280; no Grad School credit)	11388	001 THE; Fei, Guihua, 1-18 cr
11164	004 IND; Green, Richard F, 1-3 cr	32471	001 LEC, 02:00pm-02:50pm MWF, SBE 40, 3 cr	12673	002 THE; Froncek, Dalibor, 1-18 cr
11165	005 IND; Greene, John Robert, 1-3 cr	5201	Real Variables (A-F only; prereq 3299)	12674	003 THE; Gallian, Joseph A, 1-18 cr
11166	006 IND; James, Barry R, 1-3 cr	32472	001 LEC, 03:00pm-04:05pm MWF, MonH 70; Liu, Zhuangyi, 4 cr	12675	004 THE; Green, Richard F, 1-18 cr
11167	007 IND; James, Kang Ling, 1-3 cr	5260	Dynamical Systems (prereq 3280)	12676	005 THE; Greene, John Robert, 1-18 cr
11168	008 IND; Latterell, Carmen Marie, 1-3 cr	31175	001 LEC, 09:00am-09:50am MWF, KPlz 312; Peckham, Bruce B, 3 cr	12677	006 THE; James, Barry R, 1-18 cr
11169	009 IND; Lenz, Kathryn E, 1-3 cr			12678	007 THE; James, Kang Ling, 1-18 cr
11170	010 IND; Liu, Zhuangyi, 1-3 cr			12679	008 THE; Latterell, Carmen Marie, 1-18 cr
11171	011 IND; McFarland, Robert L, 1-3 cr			12680	009 THE; Lenz, Kathryn E, 1-18 cr
11172	012 IND; Peckham, Bruce B, 1-3 cr			12681	010 THE; Liu, Zhuangyi, 1-18 cr
11173	013 IND; Qi, Yongcheng, 1-3 cr			12682	011 THE; Mc Farland, Robert L, 1-18 cr
11174	014 IND; Regal, Ronald Ray, 1-3 cr			12683	012 THE; Peckham, Bruce B, 1-18 cr
11175	015 IND; Stech, Harlan W, 1-3 cr			12684	013 THE; Qi, Yongcheng, 1-18 cr
11605	016 IND; Trogdon, Steven Arman, 1-3 cr			12685	014 THE; Regal, Ronald Ray, 1-18 cr
3097	Internship (max crs 3; 3 repeats allowed; S-N only; prereq Math major, department consent)			12686	015 THE; Stech, Harlan W, 1-18 cr
11176	001 IEX; Fei, Guihua, 1-3 cr			12687	016 THE; Trogdon, Steven Arman, 1-18 cr
11177	002 IEX; Froncek, Dalibor, 1-3 cr			8980	Graduate Seminar (A-F only; prereq Instructor consent)
11178	003 IEX; Gallian, Joseph A, 1-3 cr			10552	001 SEM, 04:00pm-04:50pm T, SCC 120; Trogdon, Steven Arman, 1 cr
11179	004 IEX; Green, Richard F, 1-3 cr			8994	Directed Research (max crs 12; 12 repeats allowed; A-F only; prereq Instructor consent)
11180	005 IEX; Greene, John Robert, 1-3 cr			11206	001 DRS; Fei, Guihua, 1-4 cr
11181	006 IEX; James, Barry R, 1-3 cr			11207	002 DRS; Froncek, Dalibor, 1-4 cr
11182	007 IEX; James, Kang Ling, 1-3 cr			11208	003 DRS; Gallian, Joseph A, 1-4 cr
11183	008 IEX; Latterell, Carmen Marie, 1-3 cr			11209	004 DRS; Green, Richard F, 1-4 cr
11184	009 IEX; Lenz, Kathryn E, 1-3 cr			11210	005 DRS; Greene, John Robert, 1-4 cr
11185	010 IEX; Liu, Zhuangyi, 1-3 cr			11211	006 DRS; James, Barry R, 1-4 cr
11186	011 IEX; McFarland, Robert L, 1-3 cr			11212	007 DRS; James, Kang Ling, 1-4 cr
11187	012 IEX; Peckham, Bruce B, 1-3 cr			11213	008 DRS; Latterell, Carmen Marie, 1-4 cr
11188	013 IEX; Qi, Yongcheng, 1-3 cr			11214	009 DRS; Lenz, Kathryn E, 1-4 cr
				11215	010 DRS; Liu, Zhuangyi, 1-4 cr
				11216	011 DRS; McFarland, Robert L, 1-4 cr
				11217	012 DRS; Peckham, Bruce B, 1-4 cr
				11218	013 DRS; Qi, Yongcheng, 1-4 cr
				11219	014 DRS; Regal, Ronald Ray, 1-4 cr
				11220	015 DRS; Stech, Harlan W, 1-4 cr
				11608	016 DRS; Trogdon, Steven Arman, 1-4 cr

MECHANICAL ENGINEERING (ME)**College of Science & Engineering**

- 2105 Introduction to Material Science for Engineers**
(A-F only; prereq Chem 1151 or dept consent; Credit will not be granted if credit has been received for: IE 2105)
001 LEC, 03:00pm-03:50pm MW, Engr 280; Enemuoh, Emmanuel U
- 10507 002 LAB, 10:00am-11:50am Th, VKH 168; Enemuoh, Emmanuel U, 3 cr
- 10508 003 LAB, 01:00pm-02:50pm Th, VKH 168; Enemuoh, Emmanuel U, 3 cr
- 3111 Fluid Mechanics**
(A-F only; prereq Engr 2026, BSME or BSChE cand or instr consent; Credit will not be granted if credit has been received for: ChE 3111)
12048 001 LEC, 11:00am-11:50am MWF, Engr 118; Pope, Daniel Nelson, 3 cr
- 4112 Heat and Mass Transfer**
(A-F only; prereq 3211, Math 3298, BSME or BSChE cand or instr consent, Credit will not be granted if credit has been received for: ChE 3112; no Grad School credit)
12049 001 LEC, 01:00pm-01:50pm MWF, Engr 118; Pedersen PhD, Bill, 3 cr
- 4122 Heat Transfer, Thermodynamics and Fluid Mechanics Laboratory**
(A-F only; prereq concurrent registration is required (or allowed) in 4112 or instr consent; BSIE or BSME cand; no Grad School credit)
001 LEC, 09:00am-09:50am F, Engr 177; Pope, Daniel Nelson
- 12051 002 LAB, 10:00am-11:50am T, VKH 164; Pope, Daniel Nelson, 2 cr
- 12052 003 LAB, 01:00pm-02:50pm T, VKH 164; Pope, Daniel Nelson, 2 cr
- 4135 Robotics and Controls**
(A-F only; prereq CS 1511 or CS 1131 or CS 1211 or CS 1511 or CS 2121, ECE 2006, Math 3298, Engr 2026, BSME or BSIE candidate or instr consent; Credit will not be granted if credit has been received for: IE 4135; no Grad School credit)
001 LEC, 01:00pm-01:50pm MWF, Engr 177; Lindeke, Richard R
- 30126 002 LAB, 01:00pm-02:50pm Th, VKH 162; Lindeke, Richard R, 4 cr
- 30128 003 LAB, 01:00pm-02:50pm T, VKH 162; Lindeke, Richard R, 4 cr
- 4145 CAD/CAM**
(A-F only; prereq Engr 2016, BSIE or BSME cand, Credit will not be granted if credit has been received for: IE 4145)
001 LEC, 09:00am-09:50am MW, Engr 208; Fugelso, Mark A
- 10809 002 LAB, 03:00pm-04:50pm MW, Engr 208; Fugelso, Mark A, 4 cr
- 10810 003 LAB, 10:00am-11:50am MW, Engr 208; Fugelso, Mark A, 4 cr
- 4175 Machine Design**
(A-F only; prereq 2105, Engr 2016, BSIE or BSME cand or instr consent; Credit will not be granted if credit has been received for: IE 4175.)
10509 001 LEC, 02:00pm-02:50pm MWF, Engr 280; Fugelso, Mark A, 3 cr
- 4196 Cooperative Education**
(A-F only; prereq BSME, BSIE cand, dept consent, no Graduate School credit; Credit will not be granted if credit has been received for: IE 4196)
30120 001 IEX; Wyrick, David Alan, 1 cr
- 4255 Multidisciplinary Senior Design**
(A-F only; prereq EMgt 4110, BSME or BSIE cand, instr consent; no Grad School credit; Credit will not be granted if credit has been received for: IE 4255)
001 LAB, 03:00pm-04:50pm T, Engr 260
- 30122 002 LAB, 01:00pm-04:50pm Th, Engr 260, 4 cr

- 4491 Independent Study in Mechanical Engineering**
(max crs 4; 4 repeats allowed; prereq Sr standing in engineering discipline, department consent)
30123 001 IND, 1-4 cr
- 5991 Independent Study in Mechanical Engineering**
(max crs 6; 6 repeats allowed; prereq MSEM can, department consent)
30124 001 IND, 1-4 cr

MEDICAL AND MOLECULAR PHYSIOLOGY (Phsl)**Duluth School of Medicine**

- 5211 Literature Seminar**
(max crs 2; S-N only)
12693 001 SEM; Wittmers Jr, Lorentz E, 1-2 cr
- 5292 Readings in Physiology**
(max crs 3; prereq Instructor consent)
12694 001 DST; Wittmers Jr, Lorentz E, 1-3 cr
- 5294 Research in Physiology**
(max crs 15; prereq Instructor consent)
12695 001 DRS; Wittmers Jr, Lorentz E, 1-15 cr
- 5601 Physiology of Organ Systems I**
(A-F only; prereq Biol 2101 or Biol 2201 or Chem 3322 or 4341 or instructor consent)
12653 001 LEC, 11:00am-11:50am MTThF, MonH 70; Stauffer, Edward Keith, 4 cr
- 8333 FTE: Master's**
(NGA; prereq Master's $\frac{1}{2}$ s student, adviser and DGS consent)
11352 001 DRS, 1 cr
- 8401 Physiology of Aging**
(prereq 5601, instructor consent)
12696 001 DIS; Heller, Lois Jane, 2 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
11362 001 DRS, 1 cr
- 8666 Doctoral Pre-Thesis Credits**
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
11372 001 THE, 1-18 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))
11392 001 THE, 1-18 cr
- 8888 Thesis Credits: Doctoral**
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
11402 001 THE, 1-24 cr

MEDICAL MICROBIOLOGY AND IMMUNOLOGY (MicB)**Duluth School of Medicine**

- 5545 Immunobiology**
(A-F only; prereq Instructor consent)
11717 001 LEC, 01:00pm-01:50pm MWF, Med 165; Clarke, Benjamin L, 3 cr
- 5591 Problems in Medical Microbiology and Immunology**
(max crs 8; 8 repeats allowed; prereq Open to med students or qualified upper div and grad students with instructor consent)
10981 001 IND, 1-4 cr
- 8333 FTE: Master's**
(NGA; prereq Master's $\frac{1}{2}$ s student, adviser and DGS consent)
11351 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
11360 001 DRS, 1 cr

- 8666 Doctoral Pre-Thesis Credits**
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
11370 001 THE, 1-18 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))
11390 001 THE, 1-18 cr
- 8888 Thesis Credits: Doctoral**
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
11400 001 THE, 1-24 cr

MEDICINE (Med)**Duluth School of Medicine**

- 3998 Human Biology and Behavior Topics**
(max crs 12; 12 repeats allowed; prereq Instructor consent)
10984 001 LEC, 1-10 cr

MUSIC (Mu)**School of Fine Arts**

- 100 Recital Hour**
(S-N only; prereq Concurrent registration in applied instruction, instructor consent)
10877 001 LAB, 12:00pm-12:50pm Th, WMH 101; Kritzmire, Judith A, 0 cr
- 12366 002 LAB; Kritzmire, Judith A, 0 cr
- 1001 Introduction to Music**
(prereq Not for music majors or minors; meets LEIP req of LEIP CAT09)
10873 001 LEC, 08:00am-08:50am MWF, BohH 90; Please schedule this class in Boh 90 from 8:00 8:50 a.m. MWF which is an assigned time for the Music Department for this large lecture hall; 3 seats reserved for Continuing Education, 3 cr
- 11540 002 LEC, 10:00am-10:50am MWF, H 222; Anderson, A, 3 cr
- 1003 Beethoven to the Beatles**
(meets LE req of LE CAT9)
10874 001 LEC, 02:00pm-02:50pm MWF, BohH 90; This class should be scheduled in Boh 90 from 2:00 - 2:50 p.m. MWF which is the assigned time for the Music Department for this large lecture room.; 4 seats reserved for Continuing Education; Wegren, Thomas Joseph, 3 cr
- 1005 Jazz Studies**
(meets LECD req of LECD CAT09)
10875 001 LEC, 08:00am-08:50am MWF, MonH 70; This class should be scheduled in MonH 70 from 8:00 a.m. - 8:50 a.m. on MWF which is the time assigned to the Music Dept. for this large lecture hall.; 2 seats reserved for Continuing Education; Barnard, William Michael, 3 cr
- 10876 002 LEC, 09:00am-09:50am MWF, MonH 70; This class should be scheduled in MonH 70 from 9:00 a.m. - 9:50 a.m. on MWF which is the time assigned to the Music Dept. for this large lecture hall.; Barnard, William Michael, 3 cr
- 1101 Music Theory I**
(A-F only; prereq Concurrent registration is required (or allowed) for 1421 or equivalent or passed piano proficiency)
10733 001 LEC, 08:00am-08:50am MTWThF, H 222; Husby, Betsy Margare, 3 cr
- 10734 002 LEC, 09:00am-09:50am MTWThF, H 222; Husby, Betsy Margare, 3 cr
- 1311 Voice**
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
10786 001 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R; Thielen-Gaffey, Tina, 1-3 cr
- 11132 002 STU, 01:00am-01:50am Th, VKH 106; (+ 3/4 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R; Thielen-Gaffey, Tina, 1-3 cr

11133	003 STU, 01:00am-01:50am Th, VKH 106; (+ 1 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R; Thielen-Gaffey, Tina, 1-3 cr	31086	004 STU; (Bass) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Osborn, Vince, 1 cr	16391	Classical Guitar (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
1312	Voice (A-F only; prereq Non-music major or usic major sec instr; may be repeated)	10845	001 STU, 01:00pm-01:50pm Th, H 170; (+ 1/2 hr arr lesson); Annoni, Maria Therese, 1-3 cr	11143	002 STU, 01:00pm-01:50pm Th, H 170; (+ 1 hr arr lesson); Annoni, Maria Therese, 1-3 cr
10790	001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Spann, Joseph S; Kulas, Kate F; Wold, Stanley R, 1 cr	11139	002 STU; (+ 1 hr arr lesson); Lemire, Janell Marie, 1-3 cr	1392	Classical Guitar (A-F only; prereq Non-music major or music major sec instr; may be repeated)
1321	Piano (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	10849	001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Annoni, Maria Therese, 1 cr	1395	Jazz Guitar (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
10813	001 STU, 01:00pm-01:50pm Th, H 232; (+ 1/2 hr arr lesson); Doty, Jeanne Alyce; Wegren, Thomas Joseph, 1-3 cr	10828	001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Lemire, Janell Marie, 1 cr	10851	001 STU, 01:00pm-01:50pm Th, H 170; (+ 1/2 hr arr lesson); Barnard, William Michael, 1-3 cr
11134	002 STU, 01:00pm-01:50pm Th, H 232; (+ 3/4 hr arr lesson); Doty, Jeanne Alyce; Wegren, Thomas Joseph, 1-3 cr	1361	Woodwinds (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	11144	002 STU, 01:00pm-01:50pm Th, H 171; (+ 1 hr arr lesson); Barnard, William Michael, 1-3 cr
11135	003 STU, 01:00pm-01:50pm Th, H 232; (+ 1 hr arr lesson); Doty, Jeanne Alyce; Wegren, Thomas Joseph, 1-3 cr	10830	001 STU, 01:00pm-01:50pm Th, H 220; (+ 1/2 hr arr lesson); Neff, Kathleen Ann; Schoen, Theodore A; Edwards, Jason, 1-3 cr	1396	Jazz Guitar (A-F only; Non-Music major or Music major sec instr; may be repeated)
1322	Piano (A-F only; prereq Non-music major or music major sec instr; may be repeated)	11140	002 STU, 01:00pm-01:50pm Th, H 160; (+ 1 hr arr lesson); Neff, Kathleen Ann; Edwards, Jason; Schoen, Theodore A, 1-3 cr	10853	001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Barnard, William Michael; Cooper, James M; Risdon, David Russell; Osborn, Vince, 1 cr
10794	001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Doty, Jeanne Alyce; Wegren, Thomas Joseph; Chernyshev, Alexander; Steward, Lori B., 1 cr	1362	Woodwinds (A-F only; prereq Non-music major or music major sec instr; may be repeated)	1398	Pop Styles Guitar (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instr; may be repeated.)
1325	Jazz Piano (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	10832	001 STU; (Flute)(student to arrange 1/2 hr weekly lesson in 231 Humanities); Neff, Kathleen Ann, 1 cr	10855	001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Cooper, James M; Johnson, Michael L; Barnard, William Michael; Osborn, Vince, 1 cr
10815	001 STU, 01:00pm-01:50pm Th, H 224; (+ 1/2 hr arr lesson); Frane, Ryan J, 1-3 cr	31090	002 STU; (Clarinet)(student to arrange 1/2 hr weekly lesson in 231 Humanities); Schoen, Theodore A, 1 cr	1411	Diction: Italian and English (A-F only; prereq Principal instr voice or instructor consent)
11136	002 STU, 01:00pm-01:50pm Th, H 224; (+ 1 hr arr lesson); Frane, Ryan J, 1-3 cr	31091	003 STU; (Saxophone)(student to arrange 1/2 hr weekly lesson in 231 Humanities); Schoen, Theodore A, 1 cr	10711	001 LEC, 11:00am-11:50am TTh, H 222; Wold, Stanley R, 1 cr
1326	Jazz Piano (max crs 15; 15 repeats allowed; A-F only; prereq Non-music major or music major sec instr; may be repeated)	31092	004 STU; (Oboe)(student to arrange 1/2 hr weekly lesson in 231 Humanities); Edwards, Jason; Van Brunt, Laurie, 1 cr	1421	Piano Class I (A-F only; prereq Music major or instr consent)
10817	001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Frane, Ryan J; lerino, Paul Vincent, 1 cr	31093	005 STU; (Bassoon)(student to arrange 1/2 hr weekly lesson in 231 Humanities); Edwards, Jason, 1 cr	10776	001 LAB, 09:00am-09:50am MW, H 160;
1328	Jazz Applied (max crs 8; 8 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; instructor consent)	1371	Brass (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	10777	002 LAB, 10:00am-10:50am TTh, H 160; Doty, Jeanne Alyce, 1 cr
12103	001 STU; (1/2 hour weekly lesson arr with instructor); Frane, Ryan J; Schmalenberger, David J, 1 cr	10834	001 STU, 01:00pm-01:50pm Th, H 226; (+ 1/2 hr arr lesson); Whitlock, Mark Eugene; Eaton, Daniel W; Pospisil, James A; Thornton, Dann Lee, 1-3 cr	1442	Percussion Techniques (A-F only; prereq Music major or instructor consent)
1331	Organ (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	11141	002 STU, 01:00pm-01:50pm Th, H 226; (+ 1 hr arr lesson); Whitlock, Mark Eugene; Pospisil, James A; Eaton, Daniel W; Thornton, Dann Lee, 1-3 cr	10659	001 LAB, 10:00am-10:50am MW, MPAC 1, 1 cr
10818	001 STU, 01:00pm-01:50pm Th, H 232; (+ 1/2 hr arr lesson), 1-3 cr	1372	Brass (max crs 18; 18 repeats allowed; A-F only; prereq Non-music major or music major sec instr; may be repeated)	1501	Concert Band (prereq Instructor determines placement, may be repeated; meets LE req of LE CAT10)
11137	002 STU, 01:00pm-01:50pm Th, H 232; (+ 1 hr arr lesson), 1-3 cr	10906	001 STU; (Trumpet) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Thornton, Dann Lee, 1 cr	10663	001 REH, 12:00pm-12:50pm MWF, Room TBA, DULUTH; Meets with: 10679 MU 4501; Eaton, Daniel W, 1 cr
1332	Organ (A-F only; prereq Non-music major or music major sec instr; may be repeated)	31147	002 STU; (Trombone) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Whitlock, Mark Eugene, 1 cr	1502	Symphonic Wind Ensemble (prereq Instructor determines placement, may be repeated; meets LEIP req of LEIP CAT10)
10820	001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities), 1 cr	31148	003 STU; (French Horn) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Pospisil, James A, 1 cr	10664	001 REH, 03:15pm-04:30pm MTWTh, Room TBA, DULUTH; Meets with: 10686 MU 4502; Whitlock, Mark Eugene, 1 cr
1351	Strings (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	31149	004 STU; (Tuba) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Eaton, Daniel W, 1 cr	1503	Symphony Orchestra (prereq Instructor determines placement, may be repeated; meets LEIP req of LEIP CAT10)
10822	001 STU, 01:00pm-01:50pm Th, H 243; (+ 1/2 hr arr lesson); Anderson, A; Perrault, Rudy; Osborn, Vince; Husby, Betsy Margare, 1-3 cr	1381	Percussion (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	10665	001 REH, 07:00pm-09:30pm M, Room TBA, DULUTH; Meets with: 10687 MU 4503; Perrault, Rudy, 1 cr
11138	002 STU, 01:00pm-01:50pm Th, H 243; (+ 1 hr arr lesson); Anderson, A; Perrault, Rudy; Osborn, Vince; Husby, Betsy Margare, 1-3 cr	10840	001 STU, 01:00pm-01:50pm Th, MPAC 1; (+ 1/2 hr arr lesson), 1-3 cr	1504	Chamber Orchestra (max crs 12; 12 repeats allowed; prereq Instructor consent; may be repeated; meets LE req of LE CAT10)
1352	Strings (A-F only; prereq Non-music major or music major sec instr; may be repeated)	11142	002 STU, 01:00pm-01:50pm Th, MPAC 1; (+ 1 hr arr lesson), 1-3 cr	11589	001 REH, 07:00pm-09:30pm W, Room TBA, DULUTH; Meets with: 11590 MU 4504; Perrault, Rudy, 1 cr
10824	001 STU; (Violin) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Anderson, A; Perrault, Rudy, 1 cr	1382	Percussion (A-F only; prereq Non-music major or music major sec instr; may be repeated)		
31084	002 STU; (Viola) (Student to arrange 1/2 hr weekly lesson in 231 Humanities); Anderson, A; Perrault, Rudy, 1 cr	10843	001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities), 1 cr		
31085	003 STU; (Cello) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Husby, Betsy Margare, 1 cr				

1505 Jazz Ensemble (prereq Instructor determines placement, may be repeated; meets LECD req of LECD CAT10)	1901 Music Technology (A-F only; prereq Music major or instructor consent)	11229 002 LEC, 11:00am-11:50am TTh, H 170; Thielen-Gaffey, Tina, 2 cr
10719 001 REH, 04:40pm-05:55pm MTWTh, Room TBA, DULUTH; Meets with: 10728 MU 4505; Frane, Ryan J, 1 cr	10762 001 LAB, 08:00am-08:50am M, MonH 209; Schoen, Theodore A, 1 cr	3605 Teaching Classroom Music (A-F only; prereq 60 cr, music major or instructor consent)
10720 002 REH, 02:00pm-02:50pm MWF, Room TBA, DULUTH; Meets with: 10729 MU 4505, 1 cr	10763 002 LAB, 09:00am-09:50am M, MonH 209; Schoen, Theodore A, 1 cr	10905 001 LEC, 08:10am-09:50am TTh, H 170; Dorn, Patricia Lynn, 4 cr
1510 Concert Chorale (prereq Instructor determines placement, may be repeated; meets LE req of LE CAT10)	2001 Ethnic and Folk Music of the World (meets LEIP req of LEIPCAT09)	3606 Field Experience: Classroom Music Pre K-8 (A-F only; prereq 60 cr, music ed major or instructor consent, credit will not be granted if credit received for EIED 3425.)
10721 001 REH, 02:00pm-02:50pm MWF, Room TBA, DULUTH; Meets with: 10730 MU 4510; Thielen-Gaffey, Tina, 1 cr	10928 001 LEC, 01:00pm-01:50pm MWF, H 150; 1 seat reserved for Continuing Education; Anderson, A, 3 cr	12136 001 LAB; Dorn, Patricia Lynn, 1 cr
1511 University Singers (prereq Instructor determines placement, may be repeated; meets LEIP req of LEIP CAT10)	11488 002 LEC, 02:00pm-02:50pm MWF, H 150; Anderson, A, 3 cr	3627 Art of Accompanying: Vocal Music (A-F only; prereq Instructor consent)
10722 001 REH, 03:15pm-04:30pm MTWTh, Room TBA, DULUTH; Meets with: 10723 MU 4511; Wold, Stanley R, 1 cr	2003 Survey of American Music (meets LE req of LE CAT9)	12544 001 LEC, 11:00am-11:50am TTh, VKH 106; Doty, Jeanne Alyce, 2 cr
1512 Chamber Singers (prereq 1511 or 4511; instructor determines placement, may be repeated; meets LE req of LE CAT10)	31172 001 LEC MWF, H 222, 3 cr	3701 Choral Conducting and Methods I (A-F only; prereq 2701 or instructor consent)
10724 001 REH, 02:00pm-03:15pm TTh, Room TBA, DULUTH; Meets with: 10731 MU 4512; Wold, Stanley R, 1 cr	2101 Music Theory III (A-F only; prereq 1102)	10774 001 LEC, 11:00am-11:50am MWF, VKH 106; Wold, Stanley R, 3 cr
1513 Vocal Jazz Ensemble (prereq Instructor determines placement, may be repeated; meets LECD req of LECD CAT10)	10764 001 LEC, 09:00am-09:50am MTWThF, H 150; Thielen-Gaffey, Tina; Wegren, Thomas Joseph, 3 cr	3705 Instrumental Conducting I (A-F only; prereq 2701 or instructor consent)
10725 001 REH, 05:00pm-06:00pm TWTh, Room TBA, DULUTH; Meets with: 10732 MU 4513; Thielen-Gaffey, Tina, 1 cr	2105 Composition I (max crs 4; 4 repeats allowed; A-F only; prereq 1102)	10676 001 LEC, 11:00am-11:50am TTh, H 150; Whitlock, Mark Eugene, 1 cr
11611 002 REH, 06:00pm-06:50pm TTh, Room TBA, DULUTH; Meets with: 11612 MU 4513; Thielen-Gaffey, Tina, 1 cr	10765 001 LEC, 01:00pm-02:40pm F, H 160; (+1 hr arr); Meets with: 10766 MU 3105, 10767 MU 4105; Wegren, Thomas Joseph, 2 cr	3801 Jazz Improvisation III (A-F only; prereq 2802 or instructor consent)
1541 Chamber Music (max crs 4; 4 repeats allowed; A-F only; prereq Instructor determines placement, may be repeated)	2443 Woodwind Techniques I (A-F only; prereq Music major or instructor consent)	10706 001 LEC, 09:00am-09:50am TTh, WMH 206; Thornton, Dann Lee, 1 cr
10738 001 REH, 02:00pm-02:50pm TTh, Room TBA, DULUTH; (1-2 hr arr H 243) (Percussion Ensemble); Meets with: 10749 MU 4541; Schmalenberger, David J, 0.50-1 cr	10666 001 LEC, 08:00am-08:50am TTh, WMH 206; Neff, Kathleen Ann, 1 cr	3991 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent)
10739 002 REH, 06:00pm-06:50pm MW, Room TBA, DULUTH; (Combo I); Meets with: 10750 MU 4541; Frane, Ryan J, 0.50-1 cr	2445 String Techniques I (A-F only; prereq Music major or instructor consent)	10709 001 IND; Kritzmire, Judith A; Whitlock, Mark Eugene; Schmalenberger, David J, 1-3 cr
10740 003 REH, 06:00pm-06:50pm TTh, Room TBA, DULUTH; (Combo II); Meets with: 10751 MU 4541; Barnard, William Michael, 0.50-1 cr	10667 001 LEC, 10:00am-10:50am TTh, H 222; Perrault, Rudy, 1 cr	4101 Instrumental Arranging (A-F only; prereq 1901, 3101 or instructor consent)
10741 004 REH, 06:00pm-06:50pm TTh, Room TBA, DULUTH; (Combo III); Meets with: 10752 MU 4541; Thornton, Dann Lee, 0.50-1 cr	2447 Brass Techniques I (A-F only; prereq Music major or instructor consent)	10769 001 LEC, 11:00am-11:50am MWF, H 222; Schoen, Theodore A, 3 cr
10742 005 REH, 06:00pm-06:50pm MW, Room TBA, DULUTH; (Combo IV); Meets with: 10753 MU 4541; Eaton, Daniel W, 0.50-1 cr	10672 001 LAB, 11:00am-11:50am MW, WMH 206; Pospisil, James A; Thornton, Dann Lee, 1 cr	4105 Composition III (max crs 4; A-F only; prereq 3105)
10743 006 REH, 10:00am-11:30am S, Room TBA, DULUTH, 04:00pm-05:30pm F, Room TBA, DULUTH; (Pep Band); Meets with: 10754 MU 4541; Eaton, Daniel W, 0.50-1 cr	2802 Jazz Improvisation I (A-F only; prereq 2801)	10767 001 LEC, 01:00pm-02:40pm F, H 160; (+1 hr arr); Meets with: 10765 MU 2105, 10766 MU 3105; Wegren, Thomas Joseph, 2 cr
10744 007 REH, 04:00pm-04:50pm MW, Room TBA, DULUTH; (Guitar Ensemble); Meets with: 10755 MU 4541; Barnard, William Michael, 0.50-1 cr	11548 001 LEC, 11:00am-11:50am TTh, WMH 206; Barnard, William Michael, 1 cr	4311 Voice (max crs 12; 12 repeats allowed; A-F only; prereq Music major or fee-waiver student, department consent)
10745 008 REH; (1-2 hr arr) (Strings); Meets with: 10756 MU 4541; Perrault, Rudy, 0.50-1 cr	3101 Form and Analysis (A-F only; prereq 2102)	10791 001 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R; Thielen-Gaffey, Tina, 1-3 cr
10746 009 REH, 07:00pm-07:50pm TTh, Room TBA, DULUTH; (1-2 hr arr) (Brass Quintet); Meets with: 10757 MU 4541; Thornton, Dann Lee, 0.50-1 cr	10697 001 LEC, 08:00am-08:50am MW, H 150; Wegren, Thomas Joseph, 2 cr	11145 002 STU, 01:00pm-01:50pm Th, VKH 106; (+ 3/4 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R; Thielen-Gaffey, Tina, 1-3 cr
10747 010 REH; (1-2 hr arr) (Woodwinds); Meets with: 10758 MU 4541; Neff, Kathleen Ann; Lipori, Daniel G; Schoen, Theodore A; Edwards, Jason, 0.50-1 cr	3105 Composition II (max crs 4; 4 repeats allowed; A-F only; prereq 2105)	11146 003 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R; Thielen-Gaffey, Tina, 1-3 cr
10748 011 REH; (1-2 hr arr) (Piano Trio); Meets with: 10759 MU 4541; Doty, Jeanne Alyce; Rubin, Justin Henry, 0.50-1 cr	10766 001 LEC, 01:00pm-02:40pm F, H 160; (1 hr arr); Meets with: 10765 MU 2105, 10767 MU 4105; Wegren, Thomas Joseph, 2 cr	4312 Voice (A-F only; prereq Non-Music major or Music major sec instr; may be repeated)
11915 013 REH, 03:00pm-03:50pm MW, Room TBA, DULUTH; Meets with: 11916 MU 4541; Barnard, William Michael, 0.50-1 cr	3201 Music History I (A-F only; prereq 2102 or instructor consent)	10792 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Spann, Joseph S; Kulas, Kate F; Wold, Stanley R, 1 cr
1601 Music Fundamentals (A-F only; prereq Pre-EIED major)	10779 001 LEC, 10:00am-10:50am MTWThF, H 150; Edwards, Jason, 4 cr	4321 Piano (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)
10760 001 LEC, 02:00pm-02:50pm T, H 160, 1 cr	3211 Art Song Literature (A-F only; prereq 1102, music major or instructor consent)	10796 001 STU, 01:00pm-01:50pm Th, H 232; (+ 1/2 hr arr lesson); Doty, Jeanne Alyce; Wegren, Thomas Joseph, 1-3 cr
10761 002 LEC, 02:00pm-02:50pm Th, H 160, 1 cr	31167 001 LEC, 09:00am-09:50am MW, VKH 106; Inselman, Rachel Laura, 2 cr	11147 002 STU, 01:00pm-01:50pm Th, H 232; (+ 3/4 hr arr lesson); Doty, Jeanne Alyce; Wegren, Thomas Joseph, 1-3 cr
	3300 Recital (max crs 3; A-F only; prereq Department consent, may be repeated)	11148 003 STU, 01:00pm-01:50pm Th, H 232; (+ 1 hr arr lesson); Doty, Jeanne Alyce; Wegren, Thomas Joseph, 1-3 cr
	10726 001 DST, 06:00pm-10:00pm TTh, WMH 101, 02:00pm-06:00pm Su, WMH 101; Kritzmire, Judith A, 1-3 cr	
	3510 Opera Studio (A-F only; prereq Instructor consent; may be repeated)	
	10727 001 LEC, 12:45pm-01:50pm MWF, Room TBA, DULUTH; Meets with: 11602 MU 5510; Inselman, Rachel Laura, 1 cr	
	3601 Elementary School Music Teaching (A-F only; prereq 1601, 1001 or 1005 or 2001 or 2003 or 2005, 60 cr or instructor consent)	
	10904 001 LEC, 10:00am-10:50am TTh, H 170; Dorn, Patricia Lynn, 2 cr	

4322 Piano (A-F only; prereq Non-music major or music major sec instr; may be repeated)	31097 004 STU; (Oboe) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Edwards, Jason; Van Brunt, Laurie, 1 cr	4503 Symphony Orchestra (max crs 12; 12 repeats allowed; A-F only; prereq Instructor determines placement)
10793 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Doty, Jeanne Alyce; Wegren, Thomas Joseph; Chernyshev, Alexander; Steward, Lori B., 1 cr	31098 005 STU; (Bassoon)(student to arrange 1/2 hr weekly lesson in 231 Humanities); Edwards, Jason, 1 cr	10687 001 REH, 07:00pm-09:30pm M, Room TBA, DULUTH, 07:00pm-09:30pm Th, Room TBA, DULUTH; Meets with: 10665 MU 1503; Perrault, Rudy, 1 cr
4325 Jazz Piano (max crs 3; prereq Music major, department consent)	4371 Brass (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)	4504 Chamber Orchestra (A-F only; prereq Instructor determines placement)
10816 001 STU, 01:00pm-01:50pm Th, H 224; (+ 1/2 hr arr lesson); Frane, Ryan J, 1-3 cr	10836 001 STU, 01:00pm-01:50pm Th, H 226; (+ 1/2 hr arr lesson); Whitlock, Mark Eugene; Thornton, Dann Lee; Pospisil, James A; Eaton, Daniel W, 1-3 cr	11590 001 REH, 07:00pm-09:30pm W, Room TBA, DULUTH; Meets with: 11589 MU 1504; Perrault, Rudy, 1 cr
11149 002 STU, 01:00pm-01:50pm Th, H 224; (+ 1 hr arr lesson); Frane, Ryan J, 1-3 cr	11154 002 STU, 01:00pm-01:50pm Th, H 226; (+ 1 hr arr lesson); Whitlock, Mark Eugene; Pospisil, James A; Thornton, Dann Lee; Eaton, Daniel W, 1-3 cr	4505 Jazz Ensemble (max crs 4; A-F only; prereq Instructor determines placement)
4331 Organ (max crs 12; 12 repeats allowed; prereq Music major, department consent)	4372 Brass (A-F only; prereq Non-music major or music major sec instr; may be repeated)	10728 001 REH, 04:40pm-05:55pm MTWTh, Room TBA, DULUTH; Meets with: 10719 MU 1505; Frane, Ryan J, 1-4 cr
10819 001 STU, 01:00pm-01:50pm Th, H 232; (+ 1/2 hr arr lesson); Rubin, Justin Henry, 1-3 cr	10907 001 STU; (Trumpet) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Thornton, Dann Lee, 1 cr	10729 002 REH, 02:00pm-02:50pm MWF, Room TBA, DULUTH; Meets with: 10720 MU 1505, 1-4 cr
11150 002 STU, 01:00pm-01:50pm Th, H 232; (+ 1 hr arr lesson); Rubin, Justin Henry, 1-3 cr	31164 002 STU; (Trombone) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Whitlock, Mark Eugene, 1 cr	4510 Concert Chorale (max crs 4; A-F only; prereq Instructor determines placement)
4332 Organ (A-F only; prereq Non-music major or music major sec instr; may be repeated)	31165 003 STU; (French Horn) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Pospisil, James A, 1 cr	10730 001 REH, 02:00pm-02:50pm MWF, Room TBA, DULUTH; Meets with: 10721 MU 1510; Thielen-Gaffey, Tina, 1-4 cr
10821 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities), 1 cr	31166 004 STU; (Tuba) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Eaton, Daniel W, 1 cr	4511 University Singers (max crs 12; 12 repeats allowed; A-F only; prereq Instructor determines placement)
4351 Strings (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)	4381 Percussion (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)	10723 001 REH, 03:15pm-04:30pm MTWTh, Room TBA, DULUTH; Meets with: 10722 MU 1511; Wold, Stanley R, 1 cr
10823 001 STU, 01:00pm-01:50pm Th, H 243; (+ 1/2 hr arr lesson); Perrault, Rudy; Anderson, A; Osborn, Vince; Husby, Betsy Margare, 1-3 cr	10841 001 STU, 01:00pm-01:50pm Th, MPAC 1; (+ 1/2 hr arr lesson), 1-3 cr	4512 Chamber Singers (max crs 12; 12 repeats allowed; A-F only; prereq Concurrent registration required (or allowed) for: 1511 or 4511; instructor determines placement)
11151 002 STU, 01:00pm-01:50pm Th, H 243; (+ 1 hr arr lesson); Anderson, A; Perrault, Rudy; Osborn, Vince; Husby, Betsy Margare, 1-3 cr	11155 002 STU, 01:00pm-01:50pm Th, MPAC 1; (+ 1 hr arr lesson), 1-3 cr	10731 001 REH, 02:00pm-03:15pm TTh, Room TBA, DULUTH; Meets with: 10724 MU 1512; Wold, Stanley R, 1 cr
4352 Strings (A-F only; prereq Non-music major or music major sec instr; may be repeated)	4382 Percussion (A-F only; prereq Non-music major or music major sec instr; may be repeated)	4513 Vocal Jazz Ensemble (A-F only; prereq Instructor determines placement)
10825 001 STU; (Violin)(student to arrange 1/2 hr weekly lesson in 231 Humanities); Anderson, A; Perrault, Rudy, 1 cr	10842 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities), 1 cr	10732 001 REH, 05:00pm-06:00pm TWTh, Room TBA, DULUTH; Meets with: 10725 MU 1513; Thielen-Gaffey, Tina, 1 cr
31087 002 STU; (Viola)(student to arrange 1/2 hr weekly lesson in 231 Humanities); Anderson, A; Perrault, Rudy, 1 cr	4391 Classical Guitar (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)	11612 002 REH, 06:00pm-06:50pm TTh, Room TBA, DULUTH; Meets with: 11611 MU 1513; Thielen-Gaffey, Tina, 1 cr
31088 003 STU; (Cello)(student to arrange 1/2 hr weekly lesson in 231 Humanities); Husby, Betsy Margare, 1 cr	10848 001 STU, 01:00pm-01:50pm Th, H 171; (+ 1/2 hr arr lesson); Annoni, Maria Therese, 1-3 cr	4541 Chamber Music (max crs 10; 10 repeats allowed; A-F only; prereq instr consent)
31089 004 STU; (Bass)(student to arrange 1/2 hr weekly lesson in 231 Humanities); Osborn, Vince, 1 cr	11156 002 STU, 01:00pm-01:50pm Th, H 171; (+ 1 hr arr lesson); Annoni, Maria Therese, 1-3 cr	10749 001 REH, 02:00pm-02:50pm TTh, Room TBA, DULUTH; (Percussion Ensemble); Meets with: 10738 MU 1541; Schmalenberger, David J, 0.50-1 cr
4357 Harp (max crs 12; 12 repeats allowed; prereq Music major, department consent)	4392 Classical Guitar (A-F only; prereq Non-music major or music major sec instr; may be repeated)	10750 002 REH, 06:00pm-06:50pm MW, Room TBA, DULUTH; (Combo I); Meets with: 10739 MU 1541; Frane, Ryan J, 0.50-1 cr
10827 001 STU; (+ 1/2 hr arr lesson); Lemire, Janell Marie, 1-3 cr	10850 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Annoni, Maria Therese, 1 cr	10751 003 REH, 06:00pm-06:50pm TTh, Room TBA, DULUTH; (Combo II); Meets with: 10740 MU 1541; Barnard, William Michael, 0.50-1 cr
11152 002 STU; (+ 1 hr arr lesson); Lemire, Janell Marie, 1-3 cr	4395 Jazz Guitar (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)	10752 004 REH, 06:00pm-06:50pm TTh, Room TBA, DULUTH; (Combo III); Meets with: 10741 MU 1541; Thornton, Dann Lee, 0.50-1 cr
4358 Harp (prereq Non-music major or music major sec instr; may be repeated)	10852 001 STU, 01:00pm-01:50pm Th, H 171; (+ 1/2 hr arr lesson); Barnard, William Michael; Osborn, Vince, 1-3 cr	10753 005 REH, 06:00pm-06:50pm MW, Room TBA, DULUTH; (Combo IV); Meets with: 10742 MU 1541; Eaton, Daniel W, 0.50-1 cr
10829 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Lemire, Janell Marie, 1 cr	11157 002 STU, 01:00pm-01:50pm Th, H 171; (+ 1 hr arr lesson); Barnard, William Michael; Osborn, Vince, 1-3 cr	10754 006 REH, 10:00am-11:30am S, Room TBA, DULUTH, 04:00pm-05:30pm F, Room TBA, DULUTH; (Pep Band); Meets with: 10743 MU 1541; Eaton, Daniel W, 0.50-1 cr
4361 Woodwinds (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)	4396 Jazz Guitar (A-F only; prereq Non-music major or music major sec instr; may be repeated)	10755 007 REH, 04:00pm-04:50pm MW, Room TBA, DULUTH; (1-2 hr arr) (Guitar Ensemble); Meets with: 10744 MU 1541; Barnard, William Michael, 0.50-1 cr
10831 001 STU, 01:00pm-01:50pm Th, H 220; (+ 1/2 hr arr lesson); Neff, Kathleen Ann; Schoen, Theodore A; Edwards, Jason, 1-3 cr	10854 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Cooper, James M; Barnard, William Michael; Osborn, Vince, 1 cr	10756 008 REH; (1-2 hr arr H 243) (Strings); Meets with: 10745 MU 1541; Perrault, Rudy, 0.50-1 cr
11153 002 STU, 01:00pm-01:50pm Th, H 220; (+ 1 hr arr lesson); Neff, Kathleen Ann; Edwards, Jason; Schoen, Theodore A, 1-3 cr	4501 Concert Band (max crs 12; 12 repeats allowed; A-F only; prereq Instructor determines placement)	10757 009 REH, 07:00pm-07:50pm TTh, Room TBA, DULUTH; (1-2 hr arr) (Brass Quintet); Meets with: 10746 MU 1541; Thornton, Dann Lee, 0.50-1 cr
4362 Woodwinds (A-F only; prereq Non-music major or music major sec instr; may be repeated)	10679 001 REH, 12:00pm-12:50pm MWF, Room TBA, DULUTH; Meets with: 10663 MU 1501; Eaton, Daniel W, 1 cr	
10833 001 STU; (Flute) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Neff, Kathleen Ann; Schoen, Theodore A; Edwards, Jason, 1 cr	4502 Symphonic Wind Ensemble (max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)	
31095 002 STU; (Clarinet) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Schoen, Theodore A, 1 cr	10686 001 REH, 03:15pm-04:30pm MTWTh, Room TBA, DULUTH; Meets with: 10664 MU 1502; Whitlock, Mark Eugene, 1 cr	
31096 003 STU; (Saxophone) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Schoen, Theodore A, 1 cr		

- 10758 010 REH; (1-2 hr arr) (Woodwinds); Meets with: 10747 MU 1541; Neff, Kathleen Ann; Lipori, Daniel G; Schoen, Theodore A; Edwards, Jason, 0.50-1 cr
- 10759 011 REH; (1-2 hr arr) (Piano Trio); Meets with: 10748 MU 1541; Doty, Jeanne Alyce; Rubin, Justin Henry, 0.50-1 cr
- 11916 013 REH, 03:00pm-03:50pm MW, Room TBA, DULUTH; Meets with: 11915 MU 1541; Barnard, William Michael, 0.50-1 cr
- 4601 Applied Music Teaching**
(A-F only; prereq Instructor consent)
- 10784 001 STU, 1 cr
- 4621 Piano Pedagogy and Practicum I**
(A-F only; prereq Music major or instr consent)
- 31169 001 LEC, 11:00am-11:50am MW, H 160; Doty, Jeanne Alyce, 2 cr
- 4801 Evolution and Analysis of Jazz Styles**
(A-F only; prereq 2102)
- 31170 001 LEC, 12:00pm-12:50pm MW, Room TBA, DULUTH; Frane, Ryan J, 2 cr
- 4997 Internship in Music**
(max crs 4; 4 repeats allowed; A-F only; prereq Department consent)
- 10882 001 DST; Rubin, Justin Henry; Wegren, Thomas Joseph, 1-2 cr
- 5201 Advanced Music History**
(max crs 3; A-F only; prereq 3201, 3202 or instructor consent)
- 12517 001 LEC, 05:00pm-06:30pm Th, H 150; Rubin, Justin Henry, 2 cr
- 5203 Advanced Choral Literature**
(A-F only; prereq 3706 or instructor consent)
- 11704 001 LEC; Wold, Stanley R, 3 cr
- 5204 Instrumental Ensemble Literature**
(A-F only; prereq Graduate Student or instructor consent)
- 11910 001 LEC, 2 cr
- 5205 Instrumental Solo Literature**
(A-F only; prereq Grad student or instructor consent.)
- 11911 001 LEC; Schoen, Theodore A; Frane, Ryan J, 1 cr
- 5206 Vocal Solo Literature**
(A-F only; prereq Grad student or instructor consent)
- 11820 001 LEC; Inselman, Rachel Laura, 1-3 cr
- 5207 Instrumental Chamber Music Literature**
(A-F only; prereq Grad student or instructor consent)
- 11912 001 LEC, 1 cr
- 5510 Opera Studio**
(max crs 6; 6 repeats allowed; A-F only; prereq 3510 or equivalent, grad student or instructor consent.)
- 11602 001 LAB, 12:45pm-01:50pm MWF, Room TBA, DULUTH; Meets with: 10727 MU 3510; Inselman, Rachel Laura, 1 cr
- 5991 Independent Study**
(max crs 9; 9 repeats allowed; A-F only; prereq Jr or sr or grad student or instructor consent; can apply max 6 cr to a Graduate School program)
- 10881 001 IND; Kritzmire, Judith A; Whitlock, Mark Eugene, 1-3 cr
- 8300 Graduate Recital**
(max crs 2; A-F only; prereq Grad student, instructor consent)
- 10980 001 PRC; Kritzmire, Judith A, 1 cr
- 8301 Graduate Applied Music: Major Instrument**
(max crs 2; A-F only; prereq Advanced proficiency, grad student, instructor consent)
- 10872 001 STU; Inselman, Rachel Laura; Doty, Jeanne Alyce; Annoni, Maria Therese; Schoen, Theodore A, 1-2 cr
- 8302 Graduate Applied Music: Secondary Instrument**
(A-F only; prereq Intermediate proficiency, grad student, instructor consent; may be repeated)
- 10871 001 STU; Doty, Jeanne Alyce; Inselman, Rachel Laura, 1 cr

- 8401 Graduate Music Pedagogy**
(A-F only; prereq Graduate Student or instructor consent)
- 11821 001 LEC, 1 cr
- 8601 Foundations of Music Education**
(A-F only; prereq Grad student or instructor consent)
- 11994 001 LEC, 06:00pm-08:30pm W, H 150; Kritzmire, Judith A, 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)
- 11763 001 LEC; Wold, Stanley R, 1-2 cr
- 8899 Directed Project in Music Education**
(max crs 12; A-F only; prereq Grad, instructor consent)
- 12531 001 DRS; Kritzmire, Judith A, 1-12 cr
- 8991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq Grad student, instructor consent)
- 10870 001 IND; Kritzmire, Judith A, 1-2 cr

PHARMACOLOGY (Phcl) Duluth School of Medicine

- 4001 Introduction to Pharmacology**
(A-F only; prereq Biol 1011, Chem 1151,1152, 2521, 2522 or instructor consent)
- 11713 001 LEC, 01:00pm-02:00pm TTh, Room TBA, DULUTH; Trachte, George J, 2 cr
- 4094 Directed Research in Pharmacology I**
(max crs 10; A-F only; prereq Upper div sci major, instructor consent)
- 10944 001 DRS; Regal, Jean Frances; Knych Jr, Edward T; Trachte, George J; Fitzakerley, Janet Lyn; Wallace, Kendall B.; Eisenberg, Richard M, 1-10 cr
- 5094 Directed Research in Pharmacology II**
(max crs 10; 10 repeats allowed; prereq Grad student, instructor consent)
- 10942 001 DRS; Regal, Jean Frances; Fitzakerley, Janet Lyn; Wallace, Kendall B.; Eisenberg, Richard M; Knych Jr, Edward T; Trachte, George J, 1-10 cr
- 5201 Pharmacology I**
(A-F only; prereq Chem 4341-4342 and Phsl 5601 or instructor consent)
- 10945 001 LEC; Regal, Jean Frances; Fitzakerley, Janet Lyn; Wallace, Kendall B.; Eisenberg, Richard M; Knych Jr, Edward T; Trachte, George J, 6 cr
- 5204 Pharmacology Seminar**
(max crs 4; 4 repeats allowed; A-F only; prereq Grad student, instructor consent)
- 10947 001 SEM; Regal, Jean Frances; Knych Jr, Edward T; Eisenberg, Richard M; Wallace, Kendall B.; Fitzakerley, Janet Lyn; Trachte, George J, 1 cr
- 5410 Advanced Pharmacology**
(A-F only; prereq Phcl grad student or instructor consent)
- 10946 001 LEC; Regal, Jean Frances; Eisenberg, Richard M; Trachte, George J; Fitzakerley, Janet Lyn; Knych Jr, Edward T; Wallace, Kendall B., 1 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
- 11533 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
- 11361 001 DRS, 1 cr
- 8666 Doctoral Pre-Thesis Credits**
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
- 11371 001 THE, 1-18 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))
- 11391 001 THE, 1-18 cr
- 8888 Thesis Credits: Doctoral**
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
- 11401 001 THE, 1-24 cr

PHARMACY (Phar) College of Pharmacy, Duluth

- 5101 Pharmacology for Pharmacy Students**
(A-F only; prereq Regis 2nd yr pharmacy student or instructor consent, credit will not be granted if credit received for Phcl 5101)
- 12559 001 LEC, 09/06/05-12/14/05, 08:00am-09:55am T, Room TBA, DULUTH, 09/06/05-12/14/05; Dunham, Earl W.; Einat, Haim, 3 cr
- 5201 Health Sciences Applied Terminology**
(prereq PharmD students only, basic knowledge of human anatomy/physiology.)
- 12561 001 IND, 09/06/05-12/14/05, 54 seats reserved for PharmD students; Janke PhD, Kristin Kari, 2 cr
- 6061 Physiology and Neurophysiology Systems**
(A-F only; prereq [Biochemistry, human anatomy] recommended; intended primarily for PharmD students or grad students in health sciences)
- 001 LEC, 09/06/05-12/14/05; Stauffer, Edward Keith
- 12169 002 LAB, 09/06/05-12/14/05; Stauffer, Edward Keith, 5 cr
- 6111 The Practice of Pharmaceutical Care I**
(A-F only; prereq First yr pharmacy student, concurrent registration is required (or allowed) in 6171)
- 12164 001 LEC, 09/06/05-12/14/05; Stratton, Tim, 3 cr
- 6121 Pharmacotherapy I: Patient-Centered Pathophysiologic Approach**
(A-F only; prereq 6111, 6112, concurrent registration is required (or allowed) in 5101, 6163, 6154 and 6173)
- 12552 001 LEC, 09/06/05-12/14/05; St Peter, Wendy L; Nasstrom, Andrea Kay; Westberg, Sarah M., 5 cr
- 6123 Pharmacotherapy III: Patient-Centered Pathophysiologic Approach**
(A-F only; prereq 5101, 5102, 6112, 6153, 6163, concurrent registration is required (or allowed) in 6175)
- 29765 001 LEC, 5 cr
- 6132 Biostatistics and Drug Literature Evaluation**
(A-F only; prereq 6111, concurrent registration is required (or allowed) in 6173)
- 12553 001 LET, 09/06/05-12/14/05; Gross, Cynthia R; Worley-Louis, Marcia Marie; Ranelli PhD, Paul L, 2 cr
- 6141 Medical Microbiology and Immunizations**
(A-F only)
- 12165 001 LEC, 09/06/05-12/14/05; Anderson, Grant Wesley, 1 cr
- 6151 Biochemistry of Medicinals I**
(A-F only)
- 12166 001 LEC, 09/06/05-12/14/05; Rumbley, Jon N, 3 cr
- 6154 Medicinal Agents I**
(A-F only; prereq 6152, concurrent registration required (or allowed) in 5101)
- 12554 001 LEC, 09/06/05-12/14/05; Fecik, Robert A; Mereddy, Venkatram R, 3 cr
- 6156 Medicinal Agents III**
(A-F only; prereq 6152, 6153, 6154)
- 29766 001 LEC, 4 cr
- 6161 Drug Delivery I**
(A-F only; prereq Concurrent registration required (or allowed) in 6171)
- 12167 001 LEC, 09/06/05-12/14/05; Rutkowski, Gregory; Grant, David J, 3 cr

- 6163 Pharmacokinetics**
(A-F only; prereq Calculus I or equiv, 6162)
12555 001 LEC, 09/06/05-12/14/05; Elmquist, William Frederick; Noreddin PhD, Ayman M, 3 cr
- 6164 Biopharmaceutics**
(A-F only; prereq 6163, concurrent registration is required (or allowed) in 6175)
29767 001 LEC, 3 cr
- 6171 Pharmaceutical Care Skills**
(A-F only; prereq Concurrent registration is required (or allowed) in 6151, 6111, 6161)
001 LEC, 09/06/05-12/14/05; Bastianelli, Karen Marie; George, Angela
12171 002 LAB, 09/06/05-12/14/05; Bastianelli, Karen Marie; George, Angela, 2 cr
12172 003 LAB, 09/06/05-12/14/05; Bastianelli, Karen Marie; George, Angela, 2 cr
- 6173 Pharmaceutical Care Skills**
(A-F only; prereq Concurrent registration is required (or allowed) in 6121, 6132)
001 LEC, 09/06/05-12/14/05; George, Angela
12557 002 LAB, 09/06/05-12/14/05; George, Angela, 1 cr
12558 003 LAB, 09/06/05-12/14/05; George, Angela, 1 cr
- 6175 Pharmaceutical Care Lab V**
(A-F only; prereq Concurrent registration is required (or allowed) in 6123, 6164)
001 LEC, 09/06/05-12/14/05
29757 002 LAB, 09/06/05-12/14/05, 1 cr
29758 003 LAB, 09/06/05-12/14/05, 1 cr
- 6181 Introduction to Clerkships, Seminar, and Paper**
(A-F only; prereq Third year pharmacy)
29759 001 LEC, 1 cr
- 6212 Dermatology**
(A-F only; prereq 2nd or 3rd yr pharmacy student)
12769 001 LEC, 02:30pm-03:20pm M, LSci 170, 09/06/05-12/14/05, instruction mode: Distance Education and On-Site; Larson, Tom Alan, 1 cr
- 6219 Building a Pharmaceutical Practice**
(A-F only; prereq 6111, 6112, pharmacy student)
12770 001 LEC, 02:30pm-04:25pm T, Cina 316, 09/06/05-12/14/05, instruction mode: Distance Education and On-Site; Brummel PharmD, Amanda R; Ekstrand, Molly Jo, 2 cr
- 6293 Directed Research I**
(max crs 5; prereq instr consent)
29760 001 DRS, 1-5 cr
- 6294 Directed Study I**
(max crs 5; 5 repeats allowed; prereq instr consent)
12760 001 DST, 1-5 cr
- 6393 Directed Research II**
(max crs 5; prereq instr consent)
29761 001 DRS, 1-5 cr
- 6394 Directed Study II**
(max crs 5; 5 repeats allowed; prereq instr consent)
29762 001 DST, 1-5 cr
- 6494 Directed Study III**
(max crs 5; prereq instr consent)
29763 001 DST, 1-5 cr
- 7001 Early Pharmacy Practice Experience I**
(A-F; prereq Criminal bkgr chk, BLS CPR cert for infants/chld/adults, [proof of negative Mantoux test or explanation of positive test], proof of chicken pox immunity)
12784 001 PRC, 09/06/05-12/14/05; (Meets with Phar 7003 sec 1); George, Angela; Sisson, Debbie, 1 cr
- 7003 Early Pharmacy Practice Experience III**
(A-F; prereq 7002 or instr consent, criminal bkgr chk, BLS CPR cert for infants/chld/adults, [proof of negative Mantoux test or explanation of positive test], proof of chicken pox immunity)
12783 001 PRC, 09/06/05-12/14/05; (Meets with Phar 7001 sec 1); George, Angela, 0.50 cr

PHILOSOPHY (Phil) College of Liberal Arts

- 1001 Introduction to Philosophy**
(A-F only; meets LE req of LE CAT7)
10011 001 LEC, 10:00am-10:50am MWF, MonH 206; meets LE req of LE CAT2; Mayo, David J, 3 cr
10012 002 LEC, 12:00pm-12:50pm MWF, Engr 118; meets LE req of LE CAT2; Mayo, David J, 3 cr
12764 090 LEC, 06:00pm-08:40pm M, Cina 308, 3 cr
- 1003 Ethics and Society**
(A-F only; meets LEIP req of LEIP CAT08)
10014 001 LEC, 11:00am-12:15pm TTh, SCC 120, 3 cr
- 1007 Philosophy and World Religions**
(A-F only; meets LEIP req of LEIP CAT07)
11760 001 LEC, 10:00am-10:50am MWF, Cina 202, 3 cr
- 1008 Critical Thinking**
(A-F only; meets LE req of LE CAT2)
30088 090 LEC, 06:00pm-09:20pm T, Cina 308; Peterson, Nancy J, 4 cr
- 1018 Logic**
(A-F only; meets LE req of LE CAT2)
10394 001 LEC, 12:00pm-12:50pm MTThF, Chem 150; Cole, David J, 4 cr
- 1021 Classical Mythology**
(A-F only; meets LE req of LE CAT9)
11773 001 LEC, 09:00am-09:50am MWF, Chem 150; Browning, Eve Anne, 3 cr
- 2001 Existential Literature**
(A-F only; prereq Comp 1120, 30 cr or instructor consent)
12479 090 LEC, 06:00pm-08:40pm T, H 458; Evans, Robert Howard; Browning, Eve Anne, 3 cr
- 2011 Philosophy of Language**
(A-F only; prereq Course in logic or literary analysis or human communication or CS or math or instructor consent; meets LE req of LE CAT3)
30101 001 LEC, 10:00am-11:15am TTh, ABAH 345; Cole, David J, 3 cr
- 2021 Science and Pseudo-Science: Thinking about Weird Things**
(A-F only; meets LE req of LE CAT8)
11412 001 LEC, 01:00pm-02:15pm TTh, ABAH 345; Fetzter, James H, 3 cr
- 3222 Medical Ethics**
(A-F only)
10396 001 LEC, 11:00am-12:50pm TTh, Engr 290; Mayo, David J, 4 cr
- 3231 Law and Punishment**
(A-F only; prereq 1001 or Soc 1301)
30111 001 LEC, 03:00pm-04:50pm MW, ABAH 225, 4 cr
- 3301 Greek Philosophy**
(A-F only; prereq 30 cr or instructor consent)
30103 001 LEC, 11:00am-11:50am MTWF, MonH 206, 4 cr
- 3325 Environmental Ethics**
(A-F only; prereq 30 cr or instructor consent)
12065 001 LEC, 01:00pm-02:50pm TTh, Room TBA, DULUTH, 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)
10812 001 COL, 1 cr
- 4655 Theory of Knowledge**
(A-F only; prereq 1001, 1008 or 1018 or instructor consent; no Grad School credit)
30112 001 LEC, 12:00pm-01:50pm MW, H 480, 4 cr
- 4900 Seminar in Philosophy**
(max crs 12; 3 repeats allowed; A-F only; prereq 12 cr Phil or instructor consent; no Grad School credit)
12478 001 LEC, 03:00pm-04:50pm TTh, H 403; Fetzter, James H, 4 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)
11002 001 IND, 1-3 cr
- 5997 Intern Teaching Assistantship**
(max crs 4; A-F only; prereq Instructor consent)
10814 001 IEX, 2 cr

PHYSICAL EDUCATION (PE) College of Education & Human Service Professions

- 1220 Intermediate Swimming**
(meets LE req of PE)
10931 001 PHY, 09:00am-09:50am MW, SpHC 20, 1 cr
- 1300 Ballroom Dance**
(meets LE req of PE)
11285 090 PHY, 06:00pm-07:50pm M, SpHC 135; 1 seat reserved for Continuing Education, 1 cr
- 1402 Tennis**
(meets LE req of PE)
10935 001 PHY, 09:00am-09:50am MW, FH 25; Gibbs, Nate, 1 cr
- 1414 Bowling**
(meets LE req of PE)
11276 001 PHY, 02:00pm-03:40pm T, Skyline La SKYLINELAN, OFFCMPUMD; (Meets first day in SpHC 145), 1 cr
12420 002 PHY, 02:00pm-03:40pm Th, Skyline La SKYLINELAN; Meets first day in SpHC 145, 1 cr
- 1500 Cross-Country Skiing**
(meets LE req of PE)
32478 001 PHY; (first day 9/8 and last day 11/10 in SpHC 9A), 1 cr
- 1507 Introduction to River Kayaking**
(meets LE req of PE)
10916 001 PHY, 02:00pm-03:50pm T, SpHC 20; Special Term - 9/6-10/28, 1 cr
11286 090 PHY, 07:00pm-09:00pm W, SpHC 20; Special term: 9/6-10/28, 1 cr
- 1508 Flatwater Canoeing**
(meets LE req of PE)
10915 001 PHY, 08:00am-11:30am M, SpHC 20, OFFCMPUMD, 08:00am-09:50am M, Aquatic Ce AQUACENTER, OFFCMPUMD; First 2 weeks in SpHC 20 - the pool
Special Term - 9/6-10/31, 1 cr
- 1511 Sea Kayaking**
(A-F only)
11446 001 PHY, 08:30am-11:30am Th, Aquatic Ce AQUACENTER; (first day 9/9 and last day 11/11 are in SpHC 119), 1 cr
- 1530 Rock Climbing**
(meets LE req of PE)
10941 001 PHY, 02:00pm-06:00pm T, SpHC 78, 1 cr
12708 002 PHY, 02:00pm-06:00pm Th, SpHC 78, 1 cr
- 1531 Intermediate Rock Climbing**
(prereq 1530 or instr consent)
11733 001 PHY, 1 cr
- 1600 Physical Fitness**
(meets LE req of PE)
11277 001 PHY, 10:00am-10:50am MW, FH 25, 10:00am-10:50am MW, SpHC 9; Also need SpHC 9, 1 cr
- 1601 Aerobics**
(meets LE req of PE)
10952 001 PHY, 08:00am-08:50am MW, SpHC 135, 1 cr
10953 002 PHY, 08:00am-08:50am TTh, SpHC 135, 1 cr
- 1612 Karate**
(meets LE req of PE)
10932 001 PHY, 09:00am-09:50am MW, SpHC 150A, 1 cr

- 1613 Karate: Advanced Belts**
(max crs 4; 4 repeats allowed; A-F only; prereq 1612 or equivalent or instructor consent)
11238 001 PHY, 10:00am-10:50am MW, SpHC 150A, 1 cr
- 1614 Self Defense**
(meets LE req of PE)
10933 001 PHY, 11:00am-11:50am MW, SpHC 150A, 1 cr
- 1616 Weight Training**
(meets LE req of PE)
10927 001 PHY, 09:00am-09:50am MW, SpHC 33, 1 cr
11803 002 PHY, 09:30am-10:20am TTh, SpHC 33, 1 cr
- 1620 Aikido**
(meets LE req of PE)
10934 001 PHY, 12:00pm-01:50pm TTh, SpHC 145; Guldbrandsen, Frank A, 1 cr
- 1706 Volleyball**
(meets LE req of PE)
11279 001 PHY, 09:00am-09:50am MW, SpHC 150, 1 cr
- 1901 Varsity Football**
(max crs 4; 4 repeats allowed; S-N; prereq Instructor consent)
11325 001 PHY, 1 cr
- 1903 Varsity Soccer**
(max crs 4; 4 repeats allowed; S-N; prereq Instructor consent)
11326 001 PHY, 1 cr
- 1905 Varsity Basketball**
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
11327 001 PHY, 1 cr
11331 002 PHY, 1 cr
- 1907 Varsity Ice Hockey**
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
11328 001 PHY, 1 cr
11332 002 PHY, 1 cr
- 1913 Varsity Cross Country**
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
11329 001 PHY; Fulkrod, John E, 1 cr
- 1917 Varsity Volleyball**
(max crs 4; 4 repeats allowed; S-N; prereq Instructor consent)
11330 001 PHY, 1 cr
- 2001 Sport Ethics and Society**
(A-F only; meets LE req of LE CAT7)
31058 001 LEC, 01:00pm-01:50pm MWF, SpHC 208, 3 cr
- 2240 Lifeguarding Today**
(prereq Ability to swim 500 yards, instructor consent)
10800 001 PHY, 08:00am-09:15am TTh, SpHC 9, 08:00am-09:15am TTh, SpHC 20; Also need SpHC 9, 1 cr
- 2244 Water Safety Instructor**
(A-F only; prereq 1240, 17 yrs old, knowledge and skill based on Emergency Water Safety Standard)
10891 001 PHY, 09:30am-10:45am TTh, SpHC 20, 2 cr
- 3750 Movement Experience for the Young Child**
(A-F only; prereq ECh majors)
11539 001 LEC, 1 cr

PHYSICAL EDUCATION PROFESSIONAL (PEP)

College of Education & Human Service Professions

- 1001 Introduction to Physical Education**
(A-F only; prereq Pre-PE major or instructor consent)
12101 001 LEC, 01:00pm-01:50pm MW, SpHC 212; Knapp, Jim L, 2 cr

- 1010 Teaching Elementary Games and Gymnastics**
(A-F only; prereq PE or rec major or instr consent, Credit will not be granted if credit has been received for: 1000)
12001 001 LEC, 08:00am-09:15am TTh, SpHC 150, 08:00am-09:15am T, SpHC 207; Classroom SpHC 207 on Tues; Carlson, Jane A K, 1 cr
- 1310 Teaching Dance**
(A-F only; prereq Pre PE major or rec major)
12102 001 LEC, 10:00am-11:50am MWF, SpHC 135; Special Term - 9/6/05-10/31/05; Murray, Virginia Mae, 2 cr
- 1600 Teaching Fitness and Weight Training**
(A-F only; prereq Pre PE major or rec major or instr consent)
10896 001 LEC, 08:00am-08:50am MWF, SpHC 33, 08:00am-08:50am MWF, SpHC 9; Also SpHC 9; Knapp, Jim L, 2 cr
- 1710 Teaching Volleyball and Basketball**
(A-F only; prereq Pre PE major or rec major or instr consent)
10897 001 LEC, 09:30am-10:45am TTh, SpHC 150, 1 cr
- 3010 Adapted Physical Education**
(A-F only; prereq PE major or candidate or instr consent)
10100 001 LEC, 02:00pm-03:15pm TTh, SpHC 150A, 02:00pm-03:15pm TTh, SpHC 212; Knapp, Jim L, 3 cr
- 3035 Physiology and Mechanics of Physical Activity**
(A-F only; prereq Hlth 2030, 2040, pe major or cand or instr consent)
12002 001 LEC, 09:00am-09:50am MWF, SpHC 210, 3 cr
- 3126 Elementary School Physical Education**
(A-F only; prereq elem/middle sch teach educ pre- or candidate or instructor consent)
10964 001 LEC, 08:00am-09:15am TTh, SpHC 210, 08:00am-09:15am TTh, SpHC 150A; Knapp, Jim L, 2 cr
11547 002 LEC, 12:00pm-01:50pm TTh, SpHC 150A, 12:00pm-01:50pm TTh, SpHC 208; Carlson, Jane A K, 2 cr
- 3509 Teaching Canoeing**
(prereq Exer sci or pe or rec major, PE 1508 or instr consent, Credit will not be granted if credit has been received for: 1509)
12137 001 LEC, 02:00pm-04:00pm MW, SpHC 20, 02:00pm-04:00pm MW, Aquatic Ce AQUACENTER; First 2 weeks in SpHC 20 - the pool
Special Term 9/6-11/7/05; Gilbertson, Kenneth Lloyd, 1 cr
- 3700 Student Assessment in Physical Education**
(max crs 4; A-F only; prereq PE majors or cand or instructor consent)
12121 001 LEC, 10:00am-10:50am MWF, SpHC 205, 10:00am-10:50am MWF, SpHC 150; Millslagle, Duane G., 3 cr
- 3730 Secondary Physical Education Methods**
(A-F only; prereq Admission to secondary education program or instructor consent, concurrent registration is required (or allowed) in EdSe 3205)
12003 001 LEC, 09:30am-11:50am TTh, SpHC 208, 09:30am-10:20am; Carlson, Jane A K, 4 cr
- 3970 Supervised Teaching: College**
(A-F only; prereq [3720 or PE 3122], [3730 or PE 3123] BAS PE cand, instructor consent)
12524 001 PRC; Knapp, Jim L, 1 cr
- 4991 Independent Study**
(max crs 8; 8 repeats allowed; A-F only; prereq PE or exer sci major and instructor consent; no Grad School credit)
10950 001 IND; Keener PhD, John R, 1-4 cr
10951 002 IND; Nierengarten, Mark Edward, 1-4 cr
11447 003 IND; Millslagle, Duane G., 1-4 cr
11448 004 IND; Levy, Morris, 1-4 cr
12736 005 IND; Carlson, Jane A K, 1-4 cr

- 4992 Directed Readings**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)
10949 001 DRD; Nierengarten, Mark Edward, 1-3 cr
- 4997 Practicum**
(max crs 5; 5 repeats allowed; A-F only; prereq PE or exer sci major; no Grad School credit)
10948 001 PRC; Nierengarten, Mark Edward, 1-5 cr

PHYSICS (Phys) College of Science & Engineering

- 1001 Introduction to Physics I**
(A-F only; prereq Algebra, trig; meets LE req of LE CAT4)
001 LEC, 08:00am-08:50am MTWF, MWAH 195; Meets with: 11443 PHYS 1001; Johnson, Darrin Eric
10003 002 LAB, 09:00am-10:50am T, MWAH 275, 5 cr
10004 003 LAB, 11:00am-12:50pm T, MWAH 275, 5 cr
10005 004 LAB, 03:00pm-04:50pm T, MWAH 275, 5 cr
10006 005 LAB, 02:00pm-03:50pm W, MWAH 275, 5 cr
10007 006 LAB, 08:00am-09:50am Th, MWAH 275, 5 cr
10008 007 LAB, 10:00am-11:50am Th, MWAH 275, 5 cr
11878 008 LAB, 12:00pm-01:50pm Th, MWAH 275, 5 cr
11879 009 LAB, 02:00pm-03:50pm Th, MWAH 275, 5 cr
11443 020 LET, 08:00am-08:50am MTWF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 10002 PHYS 1001; Johnson, Darrin Eric, 5 cr
- 1002 Introduction to Physics II**
(A-F only; prereq 1001)
001 LEC, 09:00am-09:50am MTWF, MWAH 195; Meets with: 12010 PHYS 1002
12005 002 LAB, 10:00am-11:50am T, MWAH 249, 5 cr
12006 003 LAB, 12:00pm-01:50pm T, MWAH 249, 5 cr
12007 004 LAB, 08:00am-09:50am Th, MWAH 249, 5 cr
12008 005 LAB, 10:00am-11:50am Th, Room TBA, DULUTH, 5 cr
12009 006 LAB, 02:00pm-03:50pm Th, MWAH 249, 5 cr
12010 020 LET, 09:00am-09:50am MTWF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 12004 PHYS 1002, 5 cr
- 1011 Ideas in Physics**
(A-F only; prereq Will not satisfy major or minor requirements in phys; meets LE req of LE CAT5)
11075 001 LEC, 01:00pm-01:50pm MWF, MWAH 195; 2 seats reserved for Continuing Education; Johnson, Darrin Eric, 3 cr
- 1021 Exploring Current Topics in Physics**
(A-F only)
11880 001 LEC, 11:00am-11:50am Th, MWAH 195; Hiller, John R, 1 cr
- 2011 General Physics I**
(A-F only; prereq Math 1290 or Math 1296; Credit will not be granted if credit has been received for: 1201; meets LE req of LE CAT4)
001 LEC, 02:00pm-02:50pm MWThF, MWAH 195; Meets with: 11859 PHYS 2011; Ralph, Elise Ann
11851 002 LAB, 08:00am-09:50am T, MWAH 277, 4 cr
11852 003 LAB, 10:00am-11:50am T, MWAH 277, 4 cr
11853 004 LAB, 12:00pm-01:50pm T, MWAH 277, 4 cr
11854 005 LAB, 02:00pm-03:50pm T, MWAH 277, 4 cr
11855 006 LAB, 03:00pm-04:50pm W, MWAH 277, 4 cr
11856 007 LAB, 10:00am-11:50am Th, MWAH 277, 4 cr

11857	008 LAB, 12:00pm-01:50pm Th, MWAH 277, 4 cr	5591	Independent Study (max crs 6; 6 repeats allowed; S-N only; prereq Consent of director of graduate studies, instructor consent)	3297	Public Policy Internship (max crs 12; 4 repeats allowed; S-N only; prereq Completion of the introductory courses for policy studies concentration and instructor consent. No more than 3 cr may be applied to satisfy advanced policy concentration. No more than 4 cr combined 3097, 3197 and/or 3297 may be applied to satisfy advanced pol sci major.)
11858	009 LAB, 03:00pm-04:50pm Th, MWAH 277, 4 cr	10411	001 IND, 1-3 cr	11247	001 IEX, 3-12 cr
11859	020 LET, 02:00pm-02:50pm MWThF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 11850 PHYS 2011; Ralph, Elise Ann, 4 cr	5594	Physics Research (max crs 6; 6 repeats allowed; S-N only; prereq Instructor consent)	12628	002 IEX, 3-12 cr
2012	General Physics II (A-F only; prereq 2011, Math 1297; Credit will not be granted if credit has been received for: 1202 or 1204)	10414	001 DRS, 1-3 cr	12629	003 IEX, 3-12 cr
	001 LEC, 12:00pm-12:50pm MWThF, MWAH 195; Meets with: 12019 PHYS 2012; Sydor, Michael	8333	FTE: Master's (NGA; prereq Master's $\geq \frac{1}{2}$ s student, adviser and DGS consent)	3570	Third World and Development (A-F only; prereq 1050 or 1500 or 8 cr soc sci, 45 cr or instructor consent)
12012	002 LAB, 08:00am-09:50am T, MWAH 241, 4 cr	11353	001 DRS, 1 cr	11817	001 LEC, 03:00pm-03:50pm MWF, Cina 102; Chilton, Stephen P, 3 cr
12013	003 LAB, 10:00am-11:50am T, MWAH 241, 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))	3651	History of Western Political Thought I (A-F only; prereq 1610 or instr consent)
12014	004 LAB, 12:00pm-01:50pm T, MWAH 241, 4 cr	11393	001 THE; Habis, Alec T, 1-18 cr	30046	001 LEC, 06:00pm-07:50pm TTh, Cina 102; Powers, Thomas F, 4 cr
12015	005 LAB, 03:00pm-04:50pm W, MWAH 241, 4 cr	POLITICAL SCIENCE (Pol) College of Liberal Arts		4190	The Senior Seminar (A-F only; prereq 6 cr in relevant upper div pol courses, instructor consent)
12016	006 LAB, 4 cr	1011	American Government and Politics (A-F only; meets LE req of LE CAT6)	10295	001 SEM, 02:00pm-03:50pm TTh, Library 409, 4 cr
12017	007 LAB, 01:00pm-02:50pm Th, MWAH 241, 4 cr	10197	001 LEC, 09:00am-09:50am MWF, Cina 102; Grau, Craig H, 3 cr	4191	Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq 8 cr in pol, 6 cr in other soc sci, instructor consent)
12018	008 LAB, 03:00pm-04:50pm Th, MWAH 241, 4 cr	12176	002 LEC, 02:00pm-03:15pm TTh, Cina 102, 3 cr	10303	001 IND, 1-4 cr
12019	020 LET, 12:00pm-12:50pm MWThF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 12011 PHYS 2012; Sydor, Michael, 4 cr	12728	003 LEC, 3 cr	12637	002 IND, 1-4 cr
2111	Solving Physics Problems I (S-N only; prereq Math 1296, concurrent registration is required in 2011, Credit will not be granted if credit has been received for: 1101)	1050	International Relations (A-F only; meets LEIP req of LEIP CAT08)	12638	003 IND, 1-4 cr
11860	001 DIS, 04:00pm-04:50pm M, MWAH 195; Johnson, Darrin Eric, 1 cr	10199	001 LEC, 11:00am-11:50am MWF, Cina 102; 1 seat reserved for Continuing Education; Sharp, Paul, 3 cr	12639	004 IND, 1-4 cr
2112	Solving Physics Problems II (S-N only; prereq Math 1297, concurrent registration is required in 2012)	29996	002 LEC, 09:30am-10:45am TTh, BohH 346, 3 cr	12640	005 IND, 1-4 cr
12020	001 DIS, 04:00pm-04:50pm W, MWAH 195; Johnson, Darrin Eric, 1 cr	1500	Introduction to Comparative Politics (A-F only; meets LEIP req of LEIP CAT06)	12641	006 IND, 1-4 cr
3091	Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Department consent)	10200	001 LEC, 12:00pm-01:15pm TTh, Cina 102, 3 cr	12642	007 IND, 1-4 cr
10163	001 IND, 1-3 cr	1610	Politics and Society (A-F only; meets LE req of LE CAT7)	4192	Senior Seminar in Policy Studies (A-F only; prereq Completion of core course requirements for public policy concentration, instructor consent)
3094	Physics Research (max crs 6; 6 repeats allowed; S-N only; prereq Department consent)	10201	001 LEC, 10:00am-10:50am MWF, Cina 102; 1 seat reserved for Continuing Education; Chilton, Stephen P, 3 cr	12060	001 SEM, 04:00pm-05:50pm TTh, Library 409, 4 cr
10164	001 DRS, 1-6 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 Pol major requirements; instructor consent)	PSYCHOLOGY (Psy) College of Education & Human Service Professions	
3099	Physics Tutoring (max crs 4; 4 repeats allowed; S-N only; prereq 2012 or 1202 or 1204, department consent; may apply only 2 cr toward phys major)	11043	001 IEX, 1-12 cr	1003	General Psychology (A-F only; meets LE req of LE CAT6)
10165	001 IND; Maps, Jonathan, 1-2 cr	12603	002 IEX, 1-12 cr	10735	001 LEC, 06:00pm-07:40pm TTh, LSci 185; 4 seats reserved for Continuing Education, 4 cr
4001	Classical Mechanics (A-F only; prereq 2022 or 2001, Math 3280)	3109	Intern Teaching in Political Science (max crs 3; 3 repeats allowed; S-N only; prereq 90 cr, Pol major; 3 cr max may be applied to upper div Pol major requirements; instructor consent)	10736	002 LEC, 12:00pm-12:50pm MTWTh, BohH 90; 3 seats reserved for Continuing Education; Pedersen, Paula Jean, 4 cr
31078	001 LEC, 02:00pm-02:50pm MTWF, MWAH 279; Maps, Jonathan, 4 cr	11044	001 IEX, 1-2 cr	10737	003 LEC, 03:00pm-04:50pm MW, Chem 200; 3 seats reserved for Continuing Education, 4 cr
4021	Quantum Physics II (A-F only; prereq 2021, Math 3280)	12612	002 IEX, 1-2 cr	11289	200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th and complete all requirements by December 17th. No exceptions); Gordon, Randall A, 4 cr
31079	001 LEC, 10:00am-10:50am MTWF, MWAH 279; Hiller, John R, 4 cr	12613	003 IEX, 1-2 cr	2010	Human Service Seminar: Issues and Ethics in the Field (S-N only; prereq Psy major)
5043	Environmental Optics (A-F only; prereq 2012 or course containing elementary optics)	3120	Congress and the Presidency (A-F only; prereq 1011, 45 cr or instr consent)	11240	001 SEM, 10:00am-10:50am W, BohH 346; Pedersen, Paula Jean, 1 cr
	001 LEC, 03:00pm-03:50pm MW, MWAH 279; Sydor, Michael	30000	001 LEC, 03:00pm-04:50pm MW, MonH 80; Grau, Craig H, 4 cr	2021	Developmental Psychology (A-F only; meets LECD req of LECD CAT06)
32383	002 LAB, 03:00pm-04:50pm F, MWAH 347, 3 cr	3150	American Constitutional Law I (A-F only; prereq 1011, 45 cr or instr consent)	10417	001 LEC, 04:00pm-05:50pm TTh, VKH 221; Durgunoglu, Aydin Yucesan, 4 cr
5053	Data Analysis Methods in Physics (A-F only; prereq 2012, 1 sem programming, lab or field experience beyond 2012)	30002	001 LEC, 04:00pm-05:50pm TTh, Engr 280; Powers, Thomas F, 4 cr	10418	002 LEC, 10:00am-10:50am MTThF, BohH 90; Maas, Fay, 4 cr
	001 LAB, 11:00am-11:50am MW, MWAH 279	3170	Political Interest Groups and Individuals (A-F only; prereq 1011, 45 cr or instr consent)	12023	003 LEC, 03:00pm-03:50pm MTThF, LSci 175; 2 seats reserved for Continuing Education; Doane PhD, H Mitzi, 4 cr
32384	002 LEC, 11:00am-12:50pm F, MWAH 397, 3 cr	30026	001 LEC, 11:00am-11:50am MWF, KPlz 312; Grau, Craig H, 3 cr	12024	200 INI; (Online course - students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No exceptions); 2 seats reserved for Continuing Education; Mc Clure, Bud A, 4 cr
5501	Advanced Classical Mechanics (A-F only; prereq 4001)	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 Pol major requirements; instructor consent)	2023	Marriages and Families Worldwide (A-F only; meets LEIP req of LEIP CAT08)
31082	001 LEC, 01:00pm-01:50pm MWF, MWAH 279; Jordan, Thomas Frederi, 3 cr	11042	001 IEX, 1-12 cr	10422	001 LEC, 12:00pm-12:50pm MTWTh, MonH 70, 4 cr
		12619	002 IEX, 1-12 cr		

12025	002 LEC, 01:00pm-01:50pm MTWTh, MonH 208, 4 cr	3112	Psychology of Religion (A-F only; prereq Upper div standing, strong interest in scientific study of religious experience and behavior)	3445	Transpersonal Psychology (A-F only; prereq 1003 or instructor consent)
12400	003 LEC, 02:00pm-02:50pm MTWTh, LSci 175, 4 cr	12027	200 INI; (Online course, INI format - Students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No exceptions.); Mc Clure, Bud A, 3 cr	10772	001 DIS, 09:00am-09:50am MWF, MonH 206; Acheson, Joie B, 3 cr
2223	Gender in Society (A-F only; meets LECD req of LECD CAT08)	3121	Abnormal Psychology (A-F only; prereq 3 cr Psy)	11555	200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No exceptions.); 2 seats reserved for Continuing Education; Mc Clure, Bud A, 3 cr
11826	001 LEC, 01:00pm-01:50pm MTWTh, BohH 104; 1 seat reserved for Continuing Education; Doane PhD, H Mitzi, 4 cr	10838	001 LEC, 09:00am-09:50am MTWTh, MWAH 191, 4 cr	3450	Dreamwork (A-F only; prereq 3 cr Psy)
3020	Statistical Methods (A-F only; prereq Elem Algebra, Math placement test)	11688	002 LEC, 11:00am-12:40pm TTh, Engr 118; 1 seat reserved for Continuing Education, 4 cr	11556	200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No exceptions.); 1 seat reserved for Continuing Education; Mc Clure, Bud A, 3 cr
11012	001 LEC, 09:00am-09:50am MTWTh, BohH 108, 4 cr	12155	003 LEC, 12:00pm-01:40pm TTh, MonH 203; 1 seat reserved for Continuing Education, 4 cr	3520	Introduction to Industrial/Organizational Psychology (A-F only; prereq Credit will not be granted if credit has been received for: Psy 3701 and/or Psy 3707, 3 cr psy or instr consent)
11013	002 LEC, 12:00pm-12:50pm MTWTh, BohH 346; Lloyd, Robert Lee, 4 cr	11290	200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No exceptions.); 1 seat reserved for Continuing Education; Mc Clure, Bud A, 4 cr	12786	200 INI; (Online Individualized Instruction); Luong, Alexandra, 4 cr
11698	003 LEC, 01:00pm-01:50pm MTWTh, BohH 108; Grossman, Eugene Ernest, 4 cr	3201	Social Psychology (A-F only; prereq 3 cr Psy)	3524	Basic Helping Skills (A-F only)
11753	004 LEC, 02:00pm-02:50pm MTWTh, BohH 104; Grossman, Eugene Ernest, 4 cr	10895	001 LEC, 08:00am-09:15am TTh, SBE 32; 1 seat reserved for Continuing Education; Gordon, Randall A, 3 cr	10973	001 LEC, 01:00pm-02:40pm MW, BohH 311; Woolum, Sandra J, 4 cr
12721	200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th and complete all requirements by December 17th. No exceptions.); 1 seat reserved for Continuing Education, 4 cr	11291	200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th and complete all requirements by December 17th. No exceptions.); Gordon, Randall A, 3 cr	12422	002 LEC, 01:00pm-02:40pm TTh, BohH 311; Woolum, Sandra J, 4 cr
3021	Experimental Design and Methodology (A-F only; prereq 3020)	3211	Group Dynamics (A-F only; prereq 3 cr Psy)	3527	Psychology and Social Responsibility (A-F only; prereq 3 cr Psy)
001 LEC, 10:00am-10:50am MWF, BohH 112; Lloyd, Robert Lee	10958	10894	001 LEC, 12:00pm-12:50pm MWF, H 490, 3 cr	11566	200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No exceptions.); Mc Clure, Bud A, 4 cr
10955	002 LAB, 03:00pm-03:50pm Th, Cina 22; Lloyd, Robert Lee, 4 cr	11754	002 LEC, 01:00pm-01:50pm MWF, BohH 346, 3 cr	3535	Career Awareness and Development (A-F only; prereq 3 cr Psy)
10956	003 LAB, 04:00pm-04:50pm Th, Cina 22; Lloyd, Robert Lee, 4 cr	12156	003 LEC, 08:00am-09:15am MW, Cina 106; Alderman, Brandon L, 3 cr	12421	001 LEC, 12:00pm-12:50pm MWF, MonH 108, 3 cr
004 LEC, 02:00pm-03:15pm MW, SBE 20; Miller, Kristelle	10958	12787	200 INI; (Online Individualized Instruction); Mc Clure, Bud A, 3 cr	11295	200 INI; (Individualized Instruction); Olsen, Nancy Heller, 3 cr
10958	005 LAB, 11:00am-11:50am T, Cina 22; Miller, Kristelle, 4 cr	3215	Topics in Human Sexuality (A-F only; prereq Credit will not be granted if credit received for 3216; 3 cr Psy)	11296	201 INI; (Individualized Instruction); Heikel, Karen Luise, 3 cr
10959	006 LAB, 12:00pm-12:50pm T, Cina 22; Miller, Kristelle, 4 cr	10930	001 LEC, 04:30pm-06:15pm MW, BohH 346; Pedersen, Paula Jean, 3 cr	11297	202 INI; (Individualized Instruction); Arola, Kathy, 3 cr
007 LEC, 03:30pm-04:45pm TTh, BohH 346; Gordon, Randall A	11828	31094	002 LEC, 03:00pm-04:15pm MW, BohH 90; Pedersen, Paula Jean, 3 cr	11298	203 INI; (Individualized Instruction); Pribyl, Janet Marie, 3 cr
008 LAB, 01:00pm-01:50pm W, Cina 22; Gordon, Randall A, 4 cr	11829	3216	Human Sexuality: A Personal Perspective (A-F only; prereq Credit will not be granted if credit received for 3215)	11299	204 INI; (Individualized Instruction); Westlund, Julie Anne, 3 cr
009 LAB, 02:00pm-02:50pm W, Cina 22; Gordon, Randall A, 4 cr	3022	11292	200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No exceptions.); 2 seats reserved for Continuing Education; Pedersen, Paula Jean, 3 cr	11894	205 INI; (Individualized Instruction); Bonde, Carol Lois, 3 cr
3022	Applied Methods and Measurement (A-F only; prereq 3020, 3021)	3231	Psychology of Drug Use (A-F only; prereq 3 cr Psy)	11300	206 INI; (Individualized Instruction); O'Sullivan, Katherine S, 3 cr
001 LEC, 09:30am-10:45am TTh, Cina 106; Durgunoglu, Aydin Yucesan	10961	11846	001 LEC, 04:15pm-06:45pm Th, Engr 118; 1 seat reserved for Continuing Education; Lloyd, Robert Lee, 3 cr	12714	207 INI; (Individualized Instruction); 1 seat reserved for Continuing Education; Olsen, Sonja M., 3 cr
002 LAB, 12:00am-12:50am W, Cina 22; Durgunoglu, Aydin Yucesan, 4 cr	10962	3371	Child and Adolescent Psychology (A-F only; prereq 1003)	12715	208 INI; (Individualized Instruction), 3 cr
003 LAB, 11:00am-11:50am W, Cina 22; Durgunoglu, Aydin Yucesan, 4 cr	11496	10770	001 LEC, 08:00am-09:15am TTh, BohH 346; Maas, Fay, 3 cr	3601	Psychology of Personal Development (A-F only; prereq 3 cr Psy)
004 LEC, 10:00am-10:50am MWF, Cina 22; Miller, Kristelle	11497	11293	200 INI; (Online course - Students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No exceptions.); 2 seats reserved for Continuing Education; Mc Clure, Bud A, 3 cr	12411	001 LEC, 10:00am-10:50am MWF, H 480; Acheson, Joie B, 3 cr
005 LAB, 10:00am-10:50am T, Cina 22; Miller, Kristelle, 4 cr	3081	3381	Adult Development and Aging (A-F only; prereq 2021 or instructor consent)	12412	002 LEC, 12:00pm-12:50pm MWF, Cina 308; Acheson, Joie B, 3 cr
006 LAB, 11:00am-11:50am T, Cina 22; Miller, Kristelle, 4 cr	10802	11294	200 INI; (Individualized Instruction); 1 seat reserved for Continuing Education; Durgunoglu, Aydin Yucesan, 3 cr	12791	200 INI; Acheson, Joie B, 3 cr
10802	001 LEC, 03:00pm-03:50pm MWF, SpHC 212; Woolum, Sandra J, 3 cr	3111	Theories of Personality (A-F only; prereq 3 cr Psy)	3611	Learning and Behavior (A-F only; prereq 3 cr Psy)
10803	002 LEC, 11:00am-12:50pm TTh, Engr 280; Stuecher, Uwe Heinrich, 3 cr	10835	001 LEC, 12:00pm-12:50pm MWF, BohH 112; 1 seat reserved for Continuing Education, 3 cr	10682	001 LEC, 11:00am-11:50am MTWTh, BohH 108; Doane PhD, H Mitzi, 4 cr
11604	200 INI; (Online course - students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No exceptions.); Woolum, Sandra J, 3 cr	12026	002 LEC, 04:00pm-05:15pm TTh, SpHC 208; 1 seat reserved for Continuing Education; Stuecher, Uwe Heinrich, 3 cr	10683	002 LEC, 02:00pm-03:40pm TTh, Room TBA, DULUTH; Stuecher, Uwe Heinrich, 4 cr
3111	Theories of Personality (A-F only; prereq 3 cr Psy)	12414	090 LEC, 05:15pm-07:45pm W, BohH 104; Stuecher, Uwe Heinrich, 3 cr	12370	200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th and complete all requirements by December 17th. No exceptions.); 1 seat reserved for Continuing Education; Mc Clure, Bud A, 4 cr
10835	001 LEC, 12:00pm-12:50pm MWF, BohH 112; 1 seat reserved for Continuing Education, 3 cr	11613	200 INI; (Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No exceptions.); 2 seats reserved for Continuing Education; Woolum, Sandra J, 3 cr	3631	Cognitive Development: Ways of Knowing (A-F only)
12026	002 LEC, 04:00pm-05:15pm TTh, SpHC 208; 1 seat reserved for Continuing Education; Stuecher, Uwe Heinrich, 3 cr			12080	001 LEC, 12:15pm-01:30pm TTh, Room TBA, DULUTH; Maas, Fay, 3 cr

3661	Psychology of Language (A-F only; prereq 3 cr Psy)	12296	003 LEC, 1-3 cr
11502	001 LEC, 02:00pm-04:30pm W, BohH 112; Durgunoglu, Aydin Yucesan, 3 cr	12297	004 LEC, 1-3 cr
3691	Sensation and Perception (A-F only)	12298	006 LEC; Doane PhD, H Mitzi, 1-3 cr
11068	001 LEC, 12:00pm-12:50pm MTWTh, BohH 108; 1 seat reserved for Continuing Education; Grossman, Eugene Ernest, 4 cr	12299	007 LEC; Durgunoglu, Aydin Yucesan, 1-3 cr
3701	Personnel Psychology (A-F only; prereq 3 cr Psy)	12300	009 LEC; Gordon, Randall A, 1-3 cr
11603	200 INI; (Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th and complete all requirements by December 17th. No exceptions); Gordon, Randall A, 3 cr	12301	010 LEC; Grossman, Eugene Ernest, 1-3 cr
3985	Honors Seminar in Psychology (A-F only; prereq 3021, Psy major with 60 cr, 3.00 GPA overall, 3.25 GPA in psy, instructor consent; meets HON req of Honors)	12302	012 LEC, 1-3 cr
12152	001 SEM, 2 cr	12303	013 LEC; Lloyd, Robert Lee, 1-3 cr
3991	Projects in Psychology (max crs 4; 4 repeats allowed; S-N only; prereq Psy major or minor, instructor consent)	12304	014 LEC, 1-3 cr
12236	002 IND; Acheson, Joie B, 1-4 cr	12306	016 LEC; Maas, Fay, 1-3 cr
12237	003 IND, 1-4 cr	12307	017 LEC, 1-3 cr
12238	004 IND, 1-4 cr	12308	018 LEC; Miller, Kristelle, 1-3 cr
12239	005 IND, 1-4 cr	12309	019 LEC; Pedersen, Paula Jean, 1-3 cr
12240	006 IND; Doane PhD, H Mitzi, 1-4 cr	12310	020 LEC; Stuecher, Uwe Heinric, 1-3 cr
12241	007 IND; Durgunoglu, Aydin Yucesan, 1-4 cr	3998	Honors Research in Psychology (max crs 3; 3 repeats allowed; A-F only; prereq Psy major, instr consent, 3.00 GPA overall, 3.25 GPA in psy; meets HON req of Honors)
12242	009 IND; Gordon, Randall A, 1-4 cr	12311	002 IND; Acheson, Joie B, 1-3 cr
12243	010 IND; Grossman, Eugene Ernest, 1-4 cr	12312	003 IND, 1-3 cr
12244	012 IND, 1-4 cr	12313	004 IND, 1-3 cr
12245	013 IND; Lloyd, Robert Lee, 1-4 cr	12314	005 IND, 1-3 cr
12246	014 IND, 1-4 cr	12315	006 IND; Doane PhD, H Mitzi, 1-3 cr
12248	016 IND; Maas, Fay, 1-4 cr	12316	007 IND; Durgunoglu, Aydin Yucesan, 1-3 cr
12249	017 IND, 1-4 cr	12317	009 IND; Gordon, Randall A, 1-3 cr
12250	018 IND; Miller, Kristelle, 1-4 cr	12318	010 IND; Grossman, Eugene Ernest, 1-3 cr
12251	019 IND; Pedersen, Paula Jean, 1-4 cr	12319	012 IND, 1-3 cr
12252	020 IND; Stuecher, Uwe Heinric, 1-4 cr	12320	013 IND; Lloyd, Robert Lee, 1-3 cr
3994	Directed Research in Psychology (max crs 4; 4 repeats allowed; S-N only; prereq Psy major or minor, instructor consent)	12321	014 IND, 1-3 cr
12263	002 DRS; Acheson, Joie B, 1-4 cr	12323	016 IND; Maas, Fay, 1-3 cr
12264	003 DRS, 1-4 cr	12324	017 IND, 1-3 cr
12265	004 DRS, 1-4 cr	12325	018 IND; Miller, Kristelle, 1-3 cr
12266	005 DRS, 1-4 cr	12326	019 IND; Pedersen, Paula Jean, 1-3 cr
12267	006 DRS; Doane PhD, H Mitzi, 1-4 cr	12327	020 IND; Stuecher, Uwe Heinric, 1-3 cr
12268	007 DRS; Durgunoglu, Aydin Yucesan, 1-4 cr	3999	Directed Instruction (max crs 4; 4 repeats allowed; A-F only; prereq Instructor consent)
12269	009 DRS; Gordon, Randall A, 1-4 cr	12328	002 LEC; Acheson, Joie B, 1-4 cr
12270	010 DRS; Grossman, Eugene Ernest, 1-4 cr	12329	003 LEC, 1-4 cr
12271	012 DRS, 1-4 cr	12330	004 LEC, 1-4 cr
12272	013 DRS; Lloyd, Robert Lee, 1-4 cr	12331	005 LEC, 1-4 cr
12273	014 DRS, 1-4 cr	12332	006 LEC; Doane PhD, H Mitzi, 1-4 cr
12275	016 DRS; Maas, Fay, 1-4 cr	12333	007 LEC; Durgunoglu, Aydin Yucesan, 1-4 cr
12276	017 DRS, 1-4 cr	12334	009 LEC; Gordon, Randall A, 1-4 cr
12277	018 DRS; Miller, Kristelle, 1-4 cr	12335	010 LEC; Grossman, Eugene Ernest, 1-4 cr
12278	019 DRS; Pedersen, Paula Jean, 1-4 cr	12336	012 LEC, 1-4 cr
12279	020 DRS; Stuecher, Uwe Heinric, 1-4 cr	12337	013 LEC; Lloyd, Robert Lee, 1-4 cr
3995	Research in Psychology (max crs 4; 4 repeats allowed; A-F only; prereq Psy major or minor, instructor consent)	12338	014 LEC, 1-4 cr
12280	002 IND; Acheson, Joie B, 1-4 cr	12340	016 LEC; Maas, Fay, 1-4 cr
12281	003 IND, 1-4 cr	12341	017 LEC, 1-4 cr
12282	004 IND, 1-4 cr	12342	018 LEC; Miller, Kristelle, 1-4 cr
12283	005 IND, 1-4 cr	12343	019 LEC; Pedersen, Paula Jean, 1-4 cr
12284	006 IND; Doane PhD, H Mitzi, 1-4 cr	12344	020 LEC; Stuecher, Uwe Heinric, 1-4 cr
12285	007 IND; Durgunoglu, Aydin Yucesan, 1-4 cr	4500	Health Psychology (A-F only; prereq 1003, 12 sem cr in psy or #)
12286	008 IND; Gordon, Randall A, 1-4 cr	11832	001 LEC, 10:00am-10:50am MWF, BohH 343; Alderman, Brandon L, 3 cr
12287	010 IND; Grossman, Eugene Ernest, 1-4 cr	5001	Transpersonal Development (prereq Couns psy or soc work grad major or instructor consent)
12288	012 IND, 1-4 cr	11567	200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 7th, and complete all requirements by December 17th. No Exceptions.); Mc Clure, Bud A, 3 cr
12289	013 IND; Lloyd, Robert Lee, 1-4 cr	5131	Mind-Body Connection (A-F only)
12290	014 IND, 1-4 cr	12429	090 LEC, 05:15pm-07:45pm M, BohH 104; Kohls, Gary G, 3 cr
12291	016 IND; Maas, Fay, 1-4 cr	5160	Psychology of Hope (A-F only; prereq 1003 or instructor consent)
12292	017 IND, 1-4 cr	31106	001 LEC, 02:00pm-02:50pm MWF, BohH 343; Alderman, Brandon L; Acheson, Joie B, 3 cr
12293	018 IND; Miller, Kristelle, 1-4 cr	5455	Jungian Psychology (A-F only; prereq 1003 or 2021 or 3081 or instructor consent)
12294	019 IND; Pedersen, Paula Jean, 1-4 cr	31102	001 LEC, 3 cr
3996	Preprofessional Field Placement (max crs 10; 3 repeats allowed; S-N only; prereq 3896, sr BAS psy major, instructor consent)	8897	Internship II: Individual Counseling in Schools, 5-12 (max crs 6; S-N only; prereq 8005, 8101, 8797, department consent)
11016	001 IEX, 08:00am-08:50am T, BohH 343; Pedersen, Paula Jean, 3-10 cr	12711	001 IEX, 3-6 cr
3997	Honors Project in Psychology (max crs 3; 3 repeats allowed; A-F only; prereq Psy major, instr consent, 3.00 GPA overall, 3.25 GPA in psy; meets HON req of Honors)		
12295	002 LEC; Acheson, Joie B, 1-3 cr		

RECREATION (Rec)

College of Education & Human Service Professions

1000	Introduction to Recreation (A-F only)	10917	001 LEC, 11:00am-11:50am MTWF, SpHC 210, 4 cr
1201	Outdoor Skills I (A-F only; meets LE req of PE)	10918	001 PHY, 02:00pm-04:50pm T, SpHC 9, 2 cr
1203	Outdoor Skills II (A-F only; prereq Pre-rec, rec major or minor)	11014	001 PHY, 02:00pm-04:50pm T, SpHC 9A, 2 cr
3330	Outdoor Recreation (A-F only; prereq 2300 or instructor consent)	11804	001 LEC, 09:30am-10:45am TTh, SpHC 212, 3 cr
4991	Independent Study (max crs 4; 4 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)	10925	001 IND, 1-4 cr
		11601	002 IND, 1-4 cr
4992	Readings in Recreation (max crs 4; 4 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)	10926	001 DRD, 1-4 cr
4997	Recreation Practicum (S-N; prereq 1000, rec minor; no Grad School credit)	10924	001 PRC, 3 cr

RUSSIAN (Russ)

College of Liberal Arts

1101	Beginning Russian I (A-F only; meets LE req of LE CAT3)	10091	090 LEC, 06:00pm-07:50pm MTh, H 464; 4 seats reserved for Continuing Education; Morgan, Thomas W, 4 cr
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SAFETY (SAFE)

College of Science & Engineering

6001	OSHA and Other Regulatory Standards (A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)	10868	001 LEC, 03:00pm-04:50pm MW, Engr 290; Burski, Harvey E, 3 cr
6011	System Safety and Loss Control Techniques (A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)	10880	001 LEC, 10:00am-11:50am MW, Engr 290; (+ lab arr); Fonooni, Hamid, 3 cr
6021	Physical Hazard Control (A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)	10883	001 LEC, 09:00am-10:20am TTh, VKH 221; (+ lab arr), 3 cr
6101	Principles of Industrial Hygiene (A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)	10885	001 LEC, 07:30am-08:50am MW, VKH 221, 01:00pm-02:50pm MW, VKH 227; (+ lab arr); Krageschmidt PhD, Dale Allen, 3 cr
6213	Principles of Ventilation and Indoor Air Quality (A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)	12562	001 LEC, 07:30am-08:50am TTh, VKH 221; (+ lab arr); Krageschmidt PhD, Dale Allen, 3 cr

- 6291 Independent Study in Industrial Safety**
(max crs 3; S-N only; prereq MEHS student or department consent; can apply credit to MEHS program only)
- 10892 001 IND; Krageschmidt PhD, Dale Allen, 1-3 cr
- 6301 Occupational Biomechanics and Work Physiology**
(A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)
- 10886 001 LEC, 01:00pm-02:50pm TTh, Engr 290; (+ lab arr); Fonooni, Hamid, 2 cr
- 6802 Leadership, Teamwork, and Behavior in EHS**
(A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)
- 12355 001 LEC, 10:30am-11:50am TTh, VKH 115, 10:30am-11:50am TTh, VKH 221; (+ lab arr), 3 cr

SOCIAL WORK (SW)**College of Education & Human Service Professions**

- 5032 Child Welfare and the Law**
(A-F only; prereq Jr or sr or grad student or instr consent)
- 12530 001 LEC, 03:00pm-09:30pm F, BohH 112, 09:00am-05:00pm S, BohH 112, 03:00pm-09:30pm F, BohH 112, 09:00am-05:00pm S, BohH 112; Two weekends; Garrison, Johanna Mary; Snyder, Mark Joseph, 2 cr
- 5061 Computers in the Human Services**
(max crs 2; prereq Jr or sr or grad student or instructor consent)
- 12021 001 LAB, 11:00am-12:50pm T, SCC 42; Garrison, Johanna Mary, 1-2 cr
- 5091 Independent Study**
(max crs 8; 8 repeats allowed; prereq Instructor consent)
- 10263 001 DST; Bye, Lynn Ellen Horgen, 1-4 cr
11413 002 DST; Carpenter, Don, 1-4 cr
11418 003 DST; Day, Priscilla A, 1-4 cr
11414 004 DST; Falk, Dennis R, 1-4 cr
11415 005 DST; Garrison, Johanna Mary, 1-4 cr
11416 006 DST; Raschick, R Michael, 1-4 cr
11417 007 DST; Raschick, R Michael, 1-4 cr
11847 008 DST; Shepard, Melanie F, 1-4 cr
- 5096 Special Project**
(max crs 8; 8 repeats allowed; S-N only; prereq Instructor consent)
- 10264 001 FWK; Bye, Lynn Ellen Horgen, 1-4 cr
11617 002 FWK; Carpenter, Don, 1-4 cr
11419 003 FWK; Day, Priscilla A, 1-4 cr
11420 004 FWK; Falk, Dennis R, 1-4 cr
11421 005 FWK, 1-4 cr
11422 006 FWK; Raschick, R Michael, 1-4 cr
11423 007 FWK; Shepard, Melanie F, 1-4 cr
11913 008 FWK; Tellett, Anne Elizabeth, 1-4 cr

- 5101 Human Behavior in the Social Environment**
(A-F only; prereq Jr or sr or grad student or instructor consent)
- 10171 001 DIS, 06:00pm-08:50pm T, BohH 112; Falk, Dennis R, 3 cr
- 5201 Social Welfare Policy**
(A-F only; prereq Jr or sr or grad student or instructor consent)
- 10246 001 LEC, 03:00pm-05:50pm T, BohH 343; Fuller, Marek, 3 cr
- 8102 Advanced Research**
(A-F only; prereq 8101 or admission to advanced standing MSW program or instructor consent)
- 10249 001 SEM, 02:00pm-04:50pm Th, BohH 112; Falk, Dennis R, 2 cr
- 8104 Project Seminar II**
(S-N only; prereq 8103)
- 31062 001 SEM, 12:00pm-02:50pm T, BohH 112; Please schedule this class in Bohannon 343, 1 cr
31063 002 SEM, 03:00pm-05:50pm T, KPliz 312, 1 cr
31061 003 SEM, 06:00pm-08:50pm Th, BohH 346; Please schedule this class in Bohannon 112, 1 cr

- 8111 Generalist Practice: Micro**
(A-F only; prereq SW grad student or instr consent)
- 10255 001 LEC, 02:00pm-04:50pm Th, BohH 343; Bye, Lynn Ellen Horgen, 3 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
- 11618 001 DRS, 1 cr
- 8441 Advanced Practice: Individuals, Families, and Small Groups**
(A-F only; prereq 8112 or advanced standing MSW student)
- 10244 001 LEC, 03:00pm-05:50pm T, BohH 112; Carpenter, Don, 2 cr
10245 002 LEC, 06:00pm-08:50pm Th, BohH 343; Carpenter, Don, 2 cr
30060 871 LEC, 03:00pm-08:00pm F, Room TBA, 09:00am-03:30pm S, Room TBA, 03:00pm-08:00pm F, Room TBA, 09:00am-03:30pm S, Room TBA, 03:00pm-08:00pm F, Room TBA, 09:00am-03:30pm S, Room TBA; Three weekends, 2 cr
30063 872 LEC, 03:00pm-08:00pm F, Room TBA, 09:00am-03:30pm S, Room TBA, 03:00pm-08:00pm F, Room TBA, 09:00am-03:30pm S, Room TBA, 03:00pm-08:00pm F, Room TBA, 09:00am-03:30pm S, Room TBA; Three weekends, 2 cr
30064 873 LEC, 03:00pm-08:00pm F, Room TBA, DULUTH, 09:00am-03:30pm S, Room TBA, DULUTH; Three weekends, 2 cr
- 8801 Field Placement I**
(max crs 8; S-N only; prereq Concurrent registration is required (or allowed) for: 8111, 8112; soc work grad major; enrollment required for entire academic yr or summer or instructor consent)
- 11071 001 PRC, 12:00pm-01:30pm Th, BohH 343; Heltzer, Kathleen Victoria, 4-8 cr
11072 002 PRC, 06:00pm-07:30pm Th, BohH 104, 4-8 cr
- 8802 Field Placement II**
(max crs 8; S-N only; prereq Concurrent registration is required (or allowed) in 8441, 8551, 8661 or instructor consent, soc work grad major; enrollment required for entire academic year or as summer block placement)
- 11073 001 PRC, 06:00pm-07:30pm T, BohH 343; Bye, Lynn Ellen Horgen, 4-8 cr
11074 002 PRC, 12:00pm-01:30pm Th, BohH 112; Carpenter, Don, 4-8 cr

SOCIOLOGY (Soc)**College of Liberal Arts**

- 1096 Freshman Seminar: Topics**
(max crs 4; A-F only; prereq Freshman, fewer than 30 cr; meets LECD req of LECD CAT08)
- 29955 001 SEM, 08:00am-09:15am TTh, Cina 224; Title: Graveyard Culture; Hamlin, John E, 4 cr; Freshman Seminar T: Graveyard Culture
- 1101 Introduction to Sociology**
(A-F only; meets LECD req of LECD CAT06)
- 10094 001 LEC, 09:00am-09:50am MTWF, BohH 90; Gasele, Gary, 4 cr
10096 090 LEC, 06:00pm-09:30pm M, Cina 202; 5 seats reserved for Continuing Education; Gittings, Ronald F, 4 cr
- 1201 Sociology of the Family**
(A-F only; meets LECD req of LECD CAT08)
- 11639 001 LEC, 09:30am-10:45am TTh, Cina 202; Janssen, Susan L, 3 cr
- 1301 Introduction to Criminology**
(A-F only; meets LE req of LE CAT8)
- 10155 001 LEC, 11:00am-11:50am MTWF, BohH 90; Gasele, Gary, 4 cr
11946 090 LEC, 06:00pm-09:30pm M, ABAH 225; 4 seats reserved for Continuing Education; Storm, Kimberly Ann, 4 cr
- 2111 Sociological Theory**
(A-F only; prereq 1101, min. 15 cr.)
- 10156 001 LEC, 10:00am-11:40am TTh, MWAH 191; Hamlin, John E, 4 cr
11947 090 LEC, 05:00pm-08:30pm T, Cina 224; Hamlin, John E, 4 cr
- 2155 Introduction to Research Methods and Analysis**
(A-F only; prereq [1101 or 1301], at least 15 cr)
- 29956 001 LEC, 08:00am-08:50am MTWTh, MWAH 191; Mork, Bruce, 4 cr
29957 002 LEC, 12:00pm-01:40pm MW, Cina 224; Janssen, Susan L, 4 cr
29958 003 LEC, 11:00am-11:50am MTWTh, Cina 224; Laundergan, J Clark, 4 cr
- 2311 Criminological Theory**
(A-F only; prereq 1301, 15 cr.)
- 11715 001 LEC, 01:00pm-02:50pm TTh, Cina 224; Plechner, Deborah Marie, 4 cr
29898 002 LEC, 11:00am-12:50pm TTh, MonH 80; Maahs, Jeffrey Robert, 4 cr
- 3152 Applied Research**
(A-F only; prereq 3151, 30 cr or instructor consent)
- 11463 001 LEC, 09:00am-09:50am MWF, Cina 224; Janssen, Susan L, 3 cr
12705 002 LEC, 10:00am-10:50am MWF, Cina 224; Janssen, Susan L, 3 cr
11464 003 LEC, 11:00am-11:50am MWF, SpHC 212; Martin, Daniel D, 3 cr
- 3153 Qualitative Research Methods**
(A-F only; prereq 3151, 30 cr or instructor consent)
- 12659 001 LEC, 02:00pm-03:15pm MW, Cina 214; Syring PhD, David, 3 cr
- 3306 Deviance**
(A-F only; prereq 1301, sophomore standing or higher; credit will not be granted if credit received for 2306.)
- 12442 001 LEC, 03:00pm-03:50pm MWF, H 314, 3 cr
- 3324 Sociology of Criminal Law**
(A-F only; prereq 3322, 30 cr or instructor consent)
- 10270 090 LEC, 06:00pm-08:40pm M, ABAH 235; Friedman, Fred T, 3 cr
- 3328 Delinquency and Juvenile Justice**
(A-F only; prereq 3322, 30 cr or instructor consent)
- 10157 090 LEC, 06:00pm-08:40pm Th, Cina 224; Wolf, Dale A, 3 cr
- 3338 Sociology of Gangs**
(A-F only; prereq 30 cr or instructor consent.)
- 29960 200 INI; This should be INI; Arthur, John A, 3 cr
- 3361 Correctional Continuum**
(A-F only; prereq 1101, Soph or higher or instructor consent)
- 10271 001 LEC, 01:00pm-01:50pm MWF, Cina 308; Gasele, Gary, 3 cr
- 3595 Special Topics: (Various Titles to be Assigned)**
(max crs 6; A-F only; prereq Min 30 cr or instr consent)
- 29963 001 LEC, 12:00pm-12:50pm MWF, Cina 214, 1-3 cr
- 3701 Social Psychology**
(A-F only; prereq 2001, Soph or higher or instructor consent)
- 12579 001 LEC, 09:30am-10:45am TTh, Cina 224; Wilson, Janelle L, 3 cr
- 3821 Sociology of Community**
(A-F only; prereq 2111, Soph or higher or instructor consent)
- 10969 001 LEC, 02:00pm-02:50pm MWF, Cina 224; Laundergan, J Clark, 3 cr
- 3831 Organization and Society**
(A-F only; prereq Soph or higher or instructor consent)
- 29969 001 LEC, 01:00pm-01:50pm MWF, MonH 108; Martin, Daniel D, 3 cr
- 3901 Social Change and Social Policy**
(A-F only; prereq 2111, Soph or higher or instructor consent)
- 11948 001 LEC, 03:00pm-03:50pm MWF, Cina 224; Mork, Bruce, 3 cr

3945 Social Stratification (A-F only; prereq 211, Soph or higher or instructor consent)	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))	12142 002 LEC, 02:00pm-02:50pm T, MonH 121; Nierengarten, Gerry, 1 cr
12519 001 LEC, 09:30am-10:45am TTh, Cina 102; Plechner, Deborah Marie, 3 cr	29980 001 THE, 05:00pm-05:50pm Th, Cina 214; Fleischman, William A., 2 cr	4204 Assessment for Children and Youth with Disabilities (A-F only; prereq Credit will not be granted if credit received for 5204, 45 cr, postbac undergrad or sped minor, no Grad School credit)
4395 Special Topics: (Various Titles to be Assigned) (max crs 6; 6 repeats allowed; A-F only; prereq 90 cr or Grad Student or instructor consent)	8900 Directed Readings (max crs 6; A-F only; prereq Grad student or instructor consent)	12129 001 LEC, 05:00pm-07:40pm T, MonH 121; Meets with: 10878 SPED 5204; Kidd, Susan Larson, 4 cr
29970 001 LEC, 11:00am-11:50am MWF, MonH 203; Title: Special Topics: Corporate and Government Crime; Mork, Bruce, 3 cr	29981 001 DRD; Fleischman, William A., 1-6 cr	4250 Foundations of Autism Spectrum Disorders (A-F only; prereq Credit will not be granted if credit has been received for: 5250, no Grad School cr)
4587 Internship Preparation (A-F only; prereq Instructor consent; no Grad School credit)	SPANISH (Span) College of Liberal Arts	12173 745 LEC; (Saturdays, September 11 and December 11, 9:00am - 3:00pm, Montague 151. Saturdays, September 25, October 9, 23, November 6, 20, December 4, 8:30am - 2:30pm, Library 410 or via ITV. Alternate weeks will be online web-based instruction and activities); Kidd, Susan Larson, 4 cr
10970 001 IEX, 03:00pm-03:50pm W, Cina 202; Fleischman, William A., 1 cr	1101 Beginning Spanish I (A-F only; meets LE req of LE CAT3)	4351 Learning Disabilities Characteristics and Interventions (A-F only; prereq 4433, postbac or instructor consent; credit will not be granted if credit received for 5351; no Grad School cr.)
4595 Special Topics: (Various Titles to be Assigned) (max crs 6; 6 repeats allowed; A-F only; prereq 90 cr or Grad Student or instructor consent)	10015 001 LEC, 03:00pm-03:50pm MTWTh, H 490; Snustad, Andrew P, 4 cr	12130 001 LEC, 05:00pm-08:15pm M, MonH 108; Meets with: 10879 SPED 5351; Hughes, Trudie Ann, 4 cr
29971 001 LEC, 09:00am-09:50am MWF, H 480; Special Topics: Social Movement; Martin, Daniel D, 3 cr	10016 002 LEC, 4 cr	4381 Behavior Management Principles and Practices (A-F only; prereq Credit will not be granted if credit received for 5381, 45 cr, postbac or sped minor, no Grad School credit)
29972 002 LEC, 01:00pm-01:50pm MWF, Cina 214, 1-3 cr	1201 Intermediate Spanish I (A-F only; prereq 3-4 yrs high school Span or 1102 or instr consent; meets LE req of LE CAT3)	12131 001 LEC, 05:00pm-08:15pm W, MonH 151; Meets with: 11721 SPED 5381; Hughes, Trudie Ann, 4 cr
4596 Practicum in Criminology (S-N only; prereq Instructor consent)	10017 001 LEC, 08:00am-08:50am MTThF, Cina 102; Hellie, Irene Edith, 4 cr	4433 Foundations in Special Education (A-F only; prereq Cr will not be granted if cr received for 5433, 45 cr, postbac grad or sped minor, no Grad School credit)
29974 001 PRC, 3-14 cr	10018 002 LEC, 10:00am-10:50am MTThF, Room TBA, DULUTH; Hellie, Irene Edith, 4 cr	12132 001 LEC, 05:00pm-07:40pm W, MonH 108; Meets with: 11722 SPED 5433; Nierengarten, Gerry, 4 cr
4597 Internship (max crs 14; S-N only; prereq Instructor consent; no Grad School credit)	10019 003 LEC, 01:00pm-01:50pm MTThF, H 490; Hellie, Irene Edith, 4 cr	12160 200 INI; (Individualized Instruction, Online course); Nierengarten, Gerry, 4 cr
10159 001 IEX, 04:00pm-05:15pm W, Cina 202, 09/07/05-09/07/05, 04:00pm-05:15pm W, Cina 202, 09/28/05-09/28/05, 04:00pm-05:15pm W, Cina 202, 11/09/05-11/09/05, 04:00pm-05:15pm W, Cina 202, 11/30/05-11/30/05; (meets 4 times) Sept 7, 28 and Nov 9, 30; Fleischman, William A., 1-14 cr	12030 004 LEC, 02:00pm-02:50pm MTThF, H 464; Weidmer-Ocampo, Richard T, 4 cr	4435 Parent and Professional Communication and Collaboration (A-F only; prereq Credit will not be granted if credit received for 5435, 4433, 45 cr, postbac or sped minor or instructor consent, no Grad School credit)
4949 Race and Ethnic Relations (A-F only; prereq 60 cr or Grad Student or instructor consent)	2301 Advanced Spanish (A-F only; prereq 5 yrs high school Span or 1202 or instr consent; meets LEIP req of LEIP CAT03)	12133 001 LEC, 05:00pm-08:15pm M, MonH 121; Meets with: 11129 SPED 5435; Strand, Joyce, 4 cr
29973 001 LEC, 12:00pm-12:50pm MWF, KPlz 312; Mork, Bruce, 3 cr	10020 001 LEC, 08:00am-08:50am MTThF, Cina 308; Seybolt, Richard A, 4 cr	4555 Assessment and Instruction of Culturally and Linguistically Diverse Exceptional Learners (A-F only; prereq Credit will not be granted if credit received for 5555, 4433, postbac or sped minor or department consent, no Grad School credit)
4991 Independent Study in Sociology (max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent)	10021 002 LEC, 10:00am-10:50am MTThF, H 490; Seybolt, Richard A, 4 cr	12134 001 LEC, 05:00pm-07:50pm Th, MonH 121; Meets with: 12092 SPED 5555; Kidd, Susan Larson, 3 cr
10971 001 IND, 1-3 cr	11790 003 LEC, 01:00pm-01:50pm MTThF, H 464; Weidmer-Ocampo, Richard T, 4 cr	4600 Student Teaching (max crs 12; S-N only; prereq Postbac or instructor consent, no Grad School credit)
4997 Teaching Assistantship in Sociology/ Criminology (max crs 6; S-N only; prereq Instructor consent; no Grad School credit)	29754 004 LEC, 02:00pm-02:50pm MTThF, H 468; Tobin Stanley, Maureen, 4 cr	12135 001 PRC, 3-12 cr
11740 001 LEC; Gasele, Gary; Mork, Bruce, 1-3 cr	3042 Hispanic American Civilization and Culture (A-F only; prereq 2301 with C or better or instr consent; offered alt yrs)	12206 002 PRC, 3-12 cr
4999 Honors Project (max crs 6; 6 repeats allowed; A-F only; prereq 90 cr, approval by dept honors program director; no Grad School credit)	29769 001 LEC, 01:00pm-01:50pm MTWTh, Cina 106; Snustad, Andrew P, 4 cr	12733 003 PRC, 3-12 cr
10972 001 DRS, 1-3 cr	4013 Hispanic American Poetry and Drama (A-F only; prereq 2301 with C or better or instr consent; no Grad School credit; offered every third yr)	5105 Young Children With Special Needs: Ages Three to Eight (A-F only; prereq ECh major or instructor consent)
8100 Criminology and Criminal Justice Systems (A-F only; prereq Grad student or instructor consent)	29755 001 LEC, 08:00am-09:50am MW, H 464; Zeitz, Eileen M, 4 cr	12150 001 LEC, 05:00pm-08:40pm Th, MonH 151; Meets with: 11449 SPED 3105; Mitchell, Lorraine Marie, 4 cr
29976 001 LEC, 05:00pm-08:00pm W, Cina 214, 3 cr	4029 Contemporary Spanish Literature and Culture (A-F only; prereq 2301 with C or better or instr consent; no Grad School credit.)	5204 Assessment for Children and Youth with Disabilities (A-F only; prereq 4433 or 5433, postbac grad or instructor consent, Credit will not be granted if credit has been received for 4204)
8200 Criminology Research Methods and Statistics (A-F only; prereq Grad student or instructor consent)	29764 001 LEC, 08:00am-09:50am TTh, H 464; Tobin Stanley, Maureen, 4 cr	10878 001 LEC, 05:00pm-07:40pm T, MonH 121; (Practicum 2 hrs per wk arr); Meets with: 12129 SPED 4204; Kidd, Susan Larson, 4 cr
29977 001 LEC, 08:00am-12:00pm S, Cina 224; Fleischman, William A., 4 cr	4091 Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq 2301 with C or better or instr consent; no Grad School credit)	
8300 Theories of Crime and Delinquency (A-F only; prereq Grad student or instructor consent)	10067 001 LEC, 1-4 cr	
29978 001 LEC, 05:00pm-08:00pm M, Cina 224; Maahs, Jeffrey Robert, 3 cr	SPECIAL EDUCATION (SpEd) College of Education & Human Service Professions	
8600 Practicum in Criminology (max crs 15; 3 repeats allowed; S-N only; prereq Grad student or instructor consent)	1357 Individuals With Disabilities in Society (A-F only; meets LECD req of LECD CAT08)	
29979 001 FWK, 05:00pm-05:50pm Th, Cina 214; Fleischman, William A., 2 cr	11643 001 LEC, 02:00pm-03:15pm TTh, SCC 120; Kidd, Susan Larson, 3 cr	
	3105 Young Children With Special Needs: Ages Three-Eight (A-F only; prereq instr consent, Credit will not be granted if credit has been received for: 5105)	
	11449 001 LEC, 05:00pm-08:40pm Th, MonH 151; (Practicum arr); Meets with: 12150 SPED 5105; Mitchell, Lorraine Marie, 4 cr	
	3310 Introduction to Special Education for Elementary Education (A-F only; prereq EIEd major)	
	12141 001 LEC, 04:00pm-04:50pm T, MonH 121; Nierengarten, Gerry, 1 cr	

5250	Foundations of Autism Spectrum Disorders (A-F only; prereq Cr will not be granted if cr received for 4250)	2411	Statistical Methods (A-F only; prereq A grade of at least C- in Math 1250 or math placement; meets LE req of LE CAT2)	10111	011 LEC, 10:00am-10:50am W, Room TBA; (For students living in residence halls, meets in Griggs Lounge), 1 cr
12174	745 LEC; (Saturdays, September 11 and December 11, 9:00am - 3:00pm, Montague 151, Saturdays, September 25, October 9, 23, November 6, 20, December 4, 8:30am - 2:30pm, Library 410 or via ITV. Alternate weeks will be online web-based instruction and activities); Kidd, Susan Larson, 4 cr	10641	001 LEC, 10:00am-10:50am MWF, Room TBA, DULUTH, 3 cr	10112	012 LEC, 11:00am-11:50am W, H 490; 25 seats reserved for Music major or candidate, 1 cr
5310	Adapting for Diverse Learners in General Education Settings (A-F only; prereq EIEd or EdSe major or instructor consent)	3611	Introduction to Probability and Statistics (A-F only; prereq A grade of at least C- in Math 1290 or Math 1296)	10113	013 LEC, 01:00pm-01:50pm W, H 458; Reiersen, Shirley A, 1 cr
11845	001 LEC, 10:00am-11:40am TTh, MonH 108; Nierengarten, Gerry, 4 cr	10643	001 LEC, 09:00am-09:50am MWThF, Room TBA, DULUTH; Liu, Zhuangyi, 4 cr	10114	014 LEC, 02:00pm-02:50pm W, Library 409; Flagler, Robert Locke, 1 cr
29916	400 LEC; (course meets at Fond du Lac Community College), 4 cr	10644	002 LEC, 10:00am-10:50am MWThF, KPlz 312; Green, Richard F, 4 cr	10115	015 LEC, 03:00pm-03:50pm W, BohH 108; 25 seats reserved for LSBE Students, 1 cr
5351	Learning Disabilities Characteristics and Interventions (A-F only; prereq 4433 or 5433, postbac or instructor consent, Credit will not be granted if credit has been received for: 4351)	11658	003 LEC, 11:00am-11:50am MWThF, H 458, 4 cr	10116	016 LEC, 04:00pm-04:50pm W, SCC 25, 1 cr
10879	001 LEC, 05:00pm-08:15pm M, MonH 108; (Practicum 2 hrs per wk arr); Meets with: 12130 SPED 4351; Hughes, Trudie Ann, 4 cr	10645	004 LEC, 12:00pm-12:50pm MWThF, HH 216; Latterell, Carmen Marie, 4 cr	11824	017 LEC, 11:00am-11:50am TTh, SpHC 212, 09/06/05-10/20/05; (Special term: 9/6-10/20), 1 cr
5381	Behavior Management Principles and Practices (A-F only; prereq 4433 or 5433, postbac grad or instructor consent; Credit will not be granted if credit has been received for 4381)	4101	Actuarial Calculus and Probability (S-N only; prereq 3611, Math 3298; credit cannot be applied to math major or minor; no Grad School credit)	10118	019 LEC, 11:00am-11:50am Th, Library 409; (For students living in residence halls, meets in Griggs Lounge), 1 cr
11721	001 LEC, 05:00pm-08:15pm W, MonH 151; Meets with: 12131 SPED 4381; Hughes, Trudie Ann, 4 cr	11596	001 LEC, 12:00pm-01:30pm T, HH 216; Green, Richard F, 1 cr	10119	020 LEC, 12:00pm-12:50pm TTh, SCC 25; (Emphasis on Career/Major Exploration), 2 cr
5433	Foundations in Special Education (prereq Postbac grad student, credit will not be granted if credit has been received for 4433)	5411	Analysis of Variance (prereq 2411 or 3611)	10121	022 LEC, 03:00pm-03:50pm TTh, Cina 106, 09/06/05-10/20/05; (Special term: 9/6-10/20), 1 cr
11722	001 LEC, 05:00pm-07:40pm W, MonH 108; Meets with: 12132 SPED 4433; Nierengarten, Gerry, 4 cr	10649	001 LEC, 12:00pm-12:50pm MW, Cina 106; Regal, Ronald Ray	11266	023 LEC, 11:00am-11:50am T, Library 409, 1 cr
12022	200 INI; Nierengarten, Gerry, 4 cr	10652	002 LAB, 12:00pm-12:50pm F, KPlz 143; (KPlz 143 odd weeks; lec room even weeks), 3 cr	11309	024 LEC, 09:00am-09:50am F, Cina 106, 1 cr
5435	Parent and Professional Communication and Collaboration (prereq 4433 or 5433, postbac grad or instructor consent, credit will not be granted if credit has been received for 4435)	5515	Multivariate Statistics (prereq 5411, Math 3280 or Math 4326)	11825	025 LEC, 10:00am-10:50am F, SCC 25; 25 seats reserved for SFA majors/minors, 1 cr
11129	001 LEC, 05:00pm-08:15pm M, MonH 121; Meets with: 12133 SPED 4435; Strand, Joyce, 4 cr	31176	001 LEC, 10:00am-10:50am MWF, BohH 104; Regal, Ronald Ray, 3 cr	11441	026 LEC, 08:00am-08:50am T, SCC 25; Flagler, Robert Locke, 1 cr
5555	Assessment and Instruction of Culturally and Linguistically Diverse Exceptional Learners (A-F only; prereq 4433 or 5433, postbac grad or instructor consent, credit will not be granted if credit received for 4555.)	5571	Probability (A-F only; prereq 3611, Math 3298)	11442	027 LEC, 12:00pm-12:50pm W, SCC 25, 1 cr
12092	001 LEC, 05:00pm-07:50pm Th, MonH 121; Meets with: 12134 SPED 4555; Kidd, Susan Larson, 3 cr	10652	001 LEC, 01:00pm-01:50pm MWThF, HH 216; Green, Richard F, 4 cr	12375	029 LEC, 11:00am-11:50am T, SCC 25; For students living in residence halls, meets in Griggs Lounge), 1 cr
5600	Student Teaching (max crs 12; 12 repeats allowed; S-N only; prereq Instructor consent; no Grad School credit)	8444	FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)	12592	032 LEC, 08:15am-09:30am M, Room TBA, DULUTH, 09/06/05-11/07/05; 25 seats reserved for CLA students only, 1 cr
10887	001 PRC, 1-12 cr	11363	001 DRS; Regal, Ronald Ray, 1 cr	12596	033 LEC, 02:00pm-02:50pm T, H 458, 1 cr
12577	002 PRC, 1-12 cr	8666	Doctoral Pre-Thesis Credits (max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)	12597	034 LEC, 11:00am-11:50am M, Cina 106, 1 cr
5991	Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Department consent)	11373	001 THE; Regal, Ronald Ray, 1-18 cr	12598	035 LEC, 04:00pm-05:15pm Th, BohH 108, 09/06/05-11/10/05; 25 seats reserved for CLA students only, 1 cr
11130	001 IND, 1-6 cr	8888	Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq max 18 cr per semester or summer; 24 cr required)	12599	036 LEC, 11:00am-11:50am W, Library 409, 1 cr
5993	Special Area Project (max crs 4; A-F only; prereq Instructor consent; no Grad School credit)	11403	001 THE; Regal, Ronald Ray, 1-24 cr	12600	037 LEC, 02:00pm-03:15pm T, Room TBA, DULUTH, 09/06/05-11/08/05; 25 seats reserved for CLA students only, 1 cr
10884	001 LEC, 1-4 cr	SUPPORTIVE SERVICES PROGRAM (SSP)			
College of Science & Engineering					
1411	Introduction to Statistics (A-F only; prereq A grade of at least C- in Math 1005 or math placement or dept consent; meets LE req of LE CAT2)	Achievement Center			
12503	001 LEC, 09:00am-09:50am MWF, VKH 221, 3 cr	103	Basic Mathematics and Introductory Algebra (S-N only; prereq [3 cr equiv]; Credit will not be received if credit granted for Math 1004; cannot apply or toward a degree. The preparatory course fee is equal to 3 credits of resident tuition.)	1052	College Writing Strategies (S-N only; prereq Credit will not be granted if credit received for Comp 1120)
		10514	001 LEC, 01:00pm-01:50pm MWF, SCC 25; Gipe, Pamela Joyce, 0 cr	10009	001 LEC, 09:00am-09:50am TTh, SCC 25; Reiersen, Shirley A, 2 cr
		11552	002 LEC, 03:00pm-03:50pm MWF, Cina 106; Gipe, Pamela Joyce, 0 cr	10010	002 LEC, 11:00am-11:50am TTh, Cina 106; Reiersen, Shirley A, 2 cr
		1000	Introduction to College Learning (max crs 2; A-F only)	12138	003 LEC, 01:00pm-01:50pm TTh, SCC 25, 2 cr
		10101	001 LEC, 10:00am-10:50am M, SCC 25; 25 seats reserved for LSBE Students, 1 cr	1054	College Study Strategies (S-N only)
		10102	002 LEC, 12:00pm-12:50pm M, SCC 25, 1 cr	10133	001 LEC, 09:00am-09:50am MF, SCC 25, 09/06/05-10/21/05; Flagler, Robert Locke
		10103	003 LEC, 01:00pm-01:50pm M, H 458, 1 cr	10434	002 DIS, 09:00am-09:50am W, SCC 6, 09/06/05-10/21/05; Flagler, Robert Locke, 1 cr
		10104	004 LEC, 02:00pm-02:50pm M, SCC 25, 1 cr	10435	003 DIS, 09:00am-09:50am W, SCC 25, 09/06/05-10/21/05; Flagler, Robert Locke, 1 cr
		10105	005 LEC, 03:00pm-03:50pm M, SCC 25, 1 cr	10438	004 DIS, 09:00am-09:50am W, Room TBA, DULUTH, 09/06/05-10/21/05; Flagler, Robert Locke, 1 cr
		10106	006 LEC, 12:00pm-12:50pm T, Room TBA, DULUTH, 1 cr	11520	005 LEC, 11:00am-11:50am MF, SCC 25, 09/06/05-10/21/05; Gipe, Pamela Joyce
		10107	007 LEC, 02:00pm-02:50pm TTh, SCC 25, 1 cr	11521	006 DIS, 11:00am-11:50am W, SCC 6, 09/06/05-10/21/05; Gipe, Pamela Joyce, 1 cr
		10108	008 LEC, 03:00pm-03:50pm M, Library 409, 1 cr	11522	007 DIS, 11:00am-11:50am W, SCC 25, 09/06/05-10/21/05; Gipe, Pamela Joyce, 1 cr
		10109	009 LEC, 04:00pm-05:20pm T, SCC 25, 09/06/05-11/08/05; (Special term: 9/6-11/8); 25 seats reserved for LSBE Students, 1 cr	10439	008 DIS, 11:00am-11:50am W, Cina 106, 09/06/05-10/21/05; Gipe, Pamela Joyce, 1 cr
		10110	010 LEC, 12:00pm-12:50pm F, SCC 25, 1 cr	10440	009 LEC, 09:00am-09:50am MF, SCC 25, 10/22/05-12/16/05; Flagler, Robert Locke
				10439	010 DIS, 09:00am-09:50am W, SCC 6, 10/22/05-12/16/05; Flagler, Robert Locke, 1 cr
				10440	011 DIS, 09:00am-09:50am W, SCC 25, 10/22/05-12/16/05; Flagler, Robert Locke, 1 cr
				10440	012 DIS, 09:00am-09:50am W, Room TBA, DULUTH, 10/22/05-12/16/05; Flagler, Robert Locke, 1 cr
				12044	013 LEC, 11:00am-11:50am MF, SCC 25, 10/22/05-12/16/05; Gipe, Pamela Joyce
					014 DIS, 11:00am-11:50am W, SCC 6, 10/22/05-12/16/05; Gipe, Pamela Joyce, 1 cr

12045	015 DIS, 11:00am-11:50am W, SCC 25, 10/22/05-12/16/05; Gipe, Pamela Joyce, 1 cr	1114	Musical Theatre: Theory/Sight Singing (A-F only; prereq Instructor consent)	2118	Speech for the Actor (A-F only; prereq Instructor consent)
12046	016 DIS, 11:00am-11:50am W, Cina 106, 10/22/05-12/16/05; Gipe, Pamela Joyce, 1 cr	10286	001 LEC, 02:00pm-02:50pm MWF, MPAC 49; Ufema, Kate, 3 cr	10490	001 STU, 11:30am-12:45pm MWF, MPAC 49; Ufema, Kate, 3 cr
1101	Personal Development (A-F only)	1118	Voice and Movement for the Actor (A-F only; prereq Instructor consent)	3099	Theatre Practicum II (max crs 12; 6 repeats allowed; A-F only)
	001 LEC, 10:00am-10:50am T, SCC 25; Flagler, Robert Locke	10288	001 STU, 10:00am-11:15am MWF, MPAC 155; Bergeron, Ann Aiko, 3 cr	12481	001 LAB; Harvey, Mark A; Hoffman, Karen S; Dennis, Patricia; Payne, William Eugene; Bergeron, Ann Aiko, 2 cr
10123	002 DIS, 10:00am-10:50am Th, SCC 6; Flagler, Robert Locke, 2 cr	10289	002 STU, 10:00am-11:15am MWF, MPAC 21; Ufema, Kate, 3 cr	3112	Improvisation for the Theatre (A-F only; prereq instr consent)
10124	003 DIS, 10:00am-10:50am Th, Library 409; Flagler, Robert Locke, 2 cr	1299	Theatre Marketing/Management Practicum (max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)	11716	001 STU, 03:00pm-04:15pm MWF, MPAC 21; Isbell, Tom K, 3 cr
10125	004 DIS, 10:00am-10:50am Th, Chem 150; Flagler, Robert Locke, 2 cr	12463	001 LAB; Morgan, Sherise Alison, 2 cr	3151	Stage Combat/Circus (A-F only; prereq 0901 or instr consent)
10126	005 DIS, 10:00am-10:50am Th, BohH 343; Flagler, Robert Locke, 2 cr	1301	Stagecraft (A-F only; prereq 1801 or instr consent)	10493	001 STU, 10:00am-11:50am TTh, MPAC 155; Isbell, Tom K, 3 cr
3002	SSP Teaching Assistantship Practicum (max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent)		001 LEC, 09:00am-09:50am MWF, MPAC 51; (practicum arranged); Engler, Mark Leo	3201	Stage Direction (A-F only; prereq 1112, 60 cr, Th major or minor or instr consent)
10127	001 PRC; (SS); Flagler, Robert Locke, 1-3 cr	12388	002 LAB, 10:00am-11:50am MWF, MPAC 130; Engler, Mark Leo, 5 cr	10494	001 STU, 01:00pm-02:15pm MWF, MPAC 49; Payne, William Eugene, 3 cr
10128	002 PRC; (PD); Flagler, Robert Locke, 1-3 cr	12389	003 LAB, 01:00pm-02:50pm MWF, MPAC 130; Engler, Mark Leo, 5 cr	10495	002 STU, 01:00pm-02:50pm TTh, MPAC 49; Payne, William Eugene, 3 cr
11069	003 PRC; (SI); Strand, Jill R, 2 cr	12390	004 LAB, 03:00pm-04:50pm MWF, MPAC 130; Engler, Mark Leo, 5 cr	3699	Production Management (max crs 12; 6 repeats allowed; A-F only; prereq Instructor consent)
11224	004 PRC; (ICL); Knudson, Paula Martha, 1-3 cr	12391	005 LAB, 10:00am-12:50pm TTh, MPAC 130; Engler, Mark Leo, 5 cr	12491	001 LAB; Harvey, Mark A; Dennis, Patricia; Hoffman, Karen S, 2 cr
3003	Tutor Training: Individualization of Instruction (max crs 2; A-F only; prereq Instructor consent)	12392	006 LAB, 02:00pm-04:50pm TTh, MPAC 130; Engler, Mark Leo, 5 cr	3801	Drama Titles (A-F only; prereq 1801 or instr consent)
10707	001 LEC, 02:00pm-03:50pm W, SCC 25; Strand, Jill R, 2 cr	1351	Stage Rendering Techniques (A-F only; prereq 1801 or instr consent)	11411	001 LEC, 10:00am-10:50am Th, Room TBA, DULUTH; Berry, Jon Michael, 1 cr
10708	002 LEC, 10:00am-11:50am Th, SCC 25; Strand, Jill R, 2 cr	10650	001 STU, 10:00am-11:50am TTh, MPAC 51; Hoffman, Karen S, 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)
3004	Tutor Practicum (max crs 3; 3 repeats allowed; A-F only; prereq 3003 or instructor consent)	1399	Scenery and Properties Practicum (max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)	10612	001 IND; Dennis, Patricia, 1-3 cr
10698	001 PRC; (For Lang); Reierson, Shirley A, 1-2 cr	12464	001 LAB; Hoffman, Karen S, 2 cr	4151	Acting V: Senior Studio (A-F only; prereq Instructor consent; no Grad School credit)
10699	002 PRC; Business/Economics/Accounting; Reierson, Shirley A, 1-2 cr	1401	Costume Construction I (A-F only; prereq 1801 or instr consent)	10617	001 STU, 03:00pm-04:15pm MWF, MPAC 49; Bergeron, Ann Aiko, 3 cr
10700	003 PRC; Chemistry; Reierson, Shirley A, 1-2 cr		001 LEC, 09:00am-09:50am MWF, MPAC 30; (practicum arr); Piotrowski, Laura Kay	4331	Scenic Design II (A-F only; prereq 3331)
10701	004 PRC; Mathematics; Reierson, Shirley A, 1-2 cr	12393	002 LAB, 10:00am-11:50am MWF, MPAC 30; Piotrowski, Laura Kay, 5 cr	31017	001 LEC, 12:00pm-01:50pm TTh, MPAC 51; Hoffman, Karen S, 3 cr
10702	005 PRC; Physics; Reierson, Shirley A, 1-2 cr	12394	003 LAB, 01:00pm-02:50pm MWF, MPAC 30; Piotrowski, Laura Kay, 5 cr	4351	Portfolio Preparation and Presentation (A-F only; prereq instr consent; no Grad School credit)
10703	006 PRC; Writing; Reierson, Shirley A, 1-2 cr	12395	004 LAB, 03:00pm-04:50pm MWF, MPAC 30; Piotrowski, Laura Kay, 5 cr	11626	001 LEC, 10:00am-10:50am MWF, MPAC 51; Harvey, Mark A; Dennis, Patricia; Hoffman, Karen S, 3 cr
10704	007 PRC; Special Populations; Reierson, Shirley A, 1-2 cr	12396	005 LAB, 10:00am-12:50pm TTh, MPAC 30; Piotrowski, Laura Kay, 5 cr	4399	Theatre: Special Projects (max crs 12; 12 repeats allowed; A-F only; prereq Instructor consent)
10705	008 PRC; Computer Science; Reierson, Shirley A, 1-2 cr	12397	006 LAB, 02:00pm-04:50pm TTh, MPAC 30; Piotrowski, Laura Kay, 5 cr	10620	001 DIS; Harvey, Mark A; Dennis, Patricia; Hoffman, Karen S, 1-2 cr
11070	009 PRC; Miscellaneous; Reierson, Shirley A, 1-2 cr	1451	Stage Makeup (A-F only; prereq 1801 or instr consent)	4801	History of the Theatre I (A-F only; prereq 3801 or instructor consent)
		10307	001 LEC, 02:00pm-03:50pm TTh, MPAC 21; Dennis, Patricia, 3 cr	10624	001 LEC, 11:00am-11:50am MWF, MonH 208; Berry, Jon Michael, 3 cr
		1499	Costume Practicum (max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)	4901	Intern Teaching in Theatre (max crs 9; 3 repeats allowed; A-F only; prereq Instructor consent, no Grad School credit)
		12508	001 LAB; Dennis, Patricia, 2 cr	10639	001 DIS; Isbell, Tom K; Bergeron, Ann Aiko; Berry, Jon Michael; Ufema, Kate; Dennis, Patricia, 3 cr
		1501	Stage Lighting I (A-F only; prereq 1001 or 1801 or instr consent)	5991	Independent Study in Theatre (max crs 6; 6 repeats allowed; A-F only; prereq Sr, department consent; undergrads max 6 cr in 3991 and 5991 combined; no Grad School credit)
			001 LEC, 01:00pm-01:50pm MWF, MPAC 51; (practicum arr); Harvey, Mark A	10640	001 IND; Dennis, Patricia, 1-3 cr
		31202	002 PRC, 03:00pm-04:50pm MWF, MPAC 51; Harvey, Mark A, 4 cr	5997	Internship in Professional Theatre (max crs 12; 12 repeats allowed; S-N only; prereq Department consent; 1 cr for each 45 hrs work; no Grad School credit)
		31203	003 PRC, 11:00am-01:50pm TTh, MPAC 51; Harvey, Mark A, 4 cr	10642	001 IEX; Dennis, Patricia, 1-12 cr
		31204	004 PRC, 02:00pm-04:50pm TTh, MPAC 51; Harvey, Mark A, 4 cr		
		1599	Lighting/Sound Practicum (max crs 3; 3 repeats allowed; A-F only; prereq Th major or minor)		
		12465	001 LAB; Harvey, Mark A, 1 cr		
		1699	Running Crew Practicum (max crs 6; 3 repeats allowed; A-F only; prereq Instructor consent)		
		12506	001 LAB; Harvey, Mark A; Dennis, Patricia; Hoffman, Karen S, 2 cr		
		1801	Elements of Theatre (A-F only; prereq th major)		
		10309	001 LEC, 03:00pm-03:50pm MWF, Engr 177; Berry, Jon Michael, 3 cr		
		2112	Acting II: American Realism (A-F only; prereq instr consent)		
		10316	001 STU, 10:00am-11:15am MWF, MPAC 49; Isbell, Tom K, 3 cr		

THEATRE (Th) School of Fine Arts

901 B.F.A. Qualifying Presentation
(S-N only; prereq Department consent)

10491 001 DIS; Dennis, Patricia, 0 cr

1001 Introduction to Theatre Arts
(A-F only; meets LE req of LE CAT9)

10274 001 LEC, 09:00am-09:50am MWF, ABAH 235; Berry, Jon Michael, 3 cr

11625 002 LEC, 11:00am-11:50am MWF, H 403; Harvey, Mark A, 3 cr

12386 090 LEC, 06:00pm-08:30pm T, Cina 202; 1 seat reserved for Continuing Education; Oden, Holly Rebecca, 3 cr

1051 Introduction to Film
(A-F only; meets LE req of LE CAT9)

10305 001 LAB, 02:00pm-04:00pm TTh, BohH 90; 2 seats reserved for Continuing Education; Isbell, Tom K, 3 cr

1099 Theatre Practicum I
(max crs 6; 6 repeats allowed; A-F only; meets LE req of LE CAT10)

12459 001 LAB; Harvey, Mark A; Dennis, Patricia; Hoffman, Karen S; Payne, William Eugene; Bergeron, Ann Aiko, 1 cr

1111 Acting Fundamentals I
(A-F only; prereq Not open to BFA Th majors; meets LE req of LE CAT10)

10280 001 STU, 10:00am-11:50am TTh, MPAC 1; Payne, William Eugene, 3 cr

10281 002 STU, 08:00am-09:15am MWF, MPAC 1; Ufema, Kate, 3 cr

TOXICOLOGY (Txl)
Duluth School of Medicine

- 8013 Advanced Toxicology II**
(A-F only; prereq 8012, Chem 4342, Phsl5601 or instructor consent)
12528 001 LEC, 3 cr
- 8100 Investigative Toxicology**
(max crs 2; A-F only; prereq 8013 or instructor consent)
12529 001 SEM, 1 cr
- 8333 FTE: Master's**
(NGA; prereq Master's 1/2 student, adviser and DGS consent)
11354 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
11364 001 DRS, 1 cr
- 8666 Doctoral Pre-Thesis Credits**
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
11374 001 THE, 1-18 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))
11394 001 THE, 1-18 cr
- 8888 Thesis Credits: Doctoral**
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
11404 001 THE, 1-24 cr

URBAN AND REGIONAL STUDIES (URS)
College of Liberal Arts

- 3097 Internship in Urban and Regional Studies**
(max crs 8; 8 repeats allowed; S-N only; prereq URS major, jr or sr, instructor consent)
11872 001 IEX; Knopp, Lawrence M, 1-6 cr
- 3991 Independent Study in Urban and Regional Studies**
(max crs 6; prereq instr consent)
12029 001 IND; Knopp, Lawrence M, 1-4 cr

WATER RESOURCES SCIENCE (WRS)
College of Science & Engineering

- 8333 FTE: Master's**
(NGA; prereq Master's 1/2 student, adviser and DGS consent)
11355 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
11365 001 DRS, 1 cr
- 8666 Doctoral Pre-Thesis Credits**
(max crs 60; 4 repeats allowed; NGA; prereq Max 18 cr per semester or summer; doctoral student who has not passed prelim oral)
11375 001 THE, 1-18 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))
11395 001 THE, 1-18 cr
- 8888 Thesis Credits: Doctoral**
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
11405 001 THE, 1-24 cr

WOMEN'S STUDIES (WS)
College of Liberal Arts

- 1000 Introduction to Women's Studies**
(A-F only; meets LECD req of LECD CAT07)
10098 001 LEC, 01:00pm-01:50pm MWF, Cina 202, 3 cr
10099 002 LEC, 08:00am-09:15am TTh, MonH 206; 1 seat reserved for Continuing Education; Kamau, Margaret Njoki, 3 cr
11864 003 LEC, 10:00am-10:50am MWF, Cina 308, 3 cr
11696 090 LEC, 06:00pm-09:00pm Th, Cina 202; 1 seat reserved for Continuing Education; Woodward, Susana Pelayo, 3 cr
- 2101 Women, Race, and Class**
(A-F only; meets LECD req of LECD CAT08)
11525 001 LEC, 09:30am-10:45am TTh, BohH 104; Kamau, Margaret Njoki, 3 cr
- 3000 Transnational Perspectives on Feminism**
(A-F only; prereq 1000 or 2101 or instr consent)
11943 001 LEC, 04:30pm-05:40pm MW, H 464; Ritmeester, Tineke, 3 cr
- 3001 Third World Women**
(A-F only; prereq 1000 or 2101 or instr consent)
12535 001 LEC, 02:00pm-03:15pm TTh, Cina 202; Kamau, Margaret Njoki, 3 cr
- 3100 Feminist Theory**
(A-F only; prereq 1000, 45 cr or instructor consent)
11942 001 LEC, 10:00am-11:50am MW, Room TBA, DULUTH; Bartlett, Elizabeth Ann, 4 cr
- 3300 Women, Religion, and Spirituality**
(A-F only; prereq 1000 or 2101 or instr consent)
12591 001 LEC, 02:00pm-04:40pm M, MonH 206; Bartlett, Elizabeth Ann, 3 cr
- 3350 Women and the Law**
(A-F only; prereq 1000 or 2101 or instr consent)
12435 090 LEC, 06:00pm-09:00pm W, H 490; 1 seat reserved for Continuing Education; Bartlett, Elizabeth Ann, 3 cr
- 3400 Women and Film**
(A-F only)
11944 001 LEC, 06:00pm-08:40pm T, H 490; Ritmeester, Tineke, 3 cr
- 3891 Independent Study**
(max crs 6; A-F only; prereq 1000, 3100, 15 cr WS or WS-related courses, instr consent)
11008 001 IND, 1-3 cr
- 3897 Internship**
(max crs 9; 3 repeats allowed; S-N only; prereq 1000, 2101, 3100, 15 cr WS or WS-related courses, WS major or minor, 53 cr, instr consent)
11007 001 IEX, 1-9 cr
- 5897 Teaching Internship in Women's Studies**
(max crs 2; S-N only; prereq 1000, 2101, 90cr, WS major, instructor consent; no Grad School credit)
12652 001 IEX, 1-2 cr
- 5991 Independent Study**
(max crs 3; A-F only; prereq 1000, 3100, 15 cr WS or WS related courses or grad student, instr consent)
11006 001 LEC, 1-3 cr