

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

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

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

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

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

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

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

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

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

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

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

Example 1

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

Example 2

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

Example 3

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

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

ACCOUNTING (Acct)
School of Business & Economics

- 2001 Principles of Financial Accounting**
 (A-F only; prereq min 15 cr or college consent)
- 36236 001 LEC, 08:00am-08:50am MWF, SBE 32; 36 seats reserved for LSBE Students; Meets with: 36237 ACCT 2001; Brannan, Rodger L, 3 cr
- 36237 002 LEC, 08:00am-08:50am MWF, SBE 32; 9 seats reserved for Non-LSBE students; 1 seat reserved for Continuing education; Meets with: 36236 ACCT 2001; Brannan, Rodger L, 3 cr
- 36238 003 LEC, 10:00am-10:50am MWF, SBE 32; 36 seats reserved for LSBE Students; Meets with: 36239 ACCT 2001; Brannan, Rodger L, 3 cr
- 36239 004 LEC, 10:00am-10:50am MWF, SBE 32; 10 seats reserved for Non-LSBE students; Meets with: 36238 ACCT 2001; Brannan, Rodger L, 3 cr
- 36240 005 LEC, 12:00pm-12:50pm MWF, SBE 32; 36 seats reserved for LSBE Students; Meets with: 36241 ACCT 2001; Lin, Jerry W, 3 cr
- 36241 006 LEC, 12:00pm-12:50pm MWF, SBE 32; 9 seats reserved for Non-LSBE students; 1 seat reserved for Continuing education; Meets with: 36240 ACCT 2001; Lin, Jerry W, 3 cr
- 37334 007 LEC, 01:00pm-01:50pm MWF, SBE 32; 36 seats reserved for LSBE Students; Meets with: 37335 ACCT 2001; Salmela, Karen Ellen, 3 cr
- 37335 008 LEC, 01:00pm-01:50pm MWF, SBE 32; 10 seats reserved for Non-LSBE students; Meets with: 37334 ACCT 2001; Salmela, Karen Ellen, 3 cr
- 37336 009 LEC, 02:00pm-02:50pm MWF, SBE 32; 36 seats reserved for LSBE Students; Meets with: 37337 ACCT 2001; Lin, Jerry W, 3 cr
- 37337 010 LEC, 02:00pm-02:50pm MWF, SBE 32; 10 seats reserved for Non-LSBE students; Meets with: 37336 ACCT 2001; Lin, Jerry W, 3 cr
- 37338 011 LEC, 03:00pm-03:50pm MWF, SBE 32; 36 seats reserved for LSBE Students; Meets with: 37339 ACCT 2001; Salmela, Karen Ellen, 3 cr
- 37339 012 LEC, 03:00pm-03:50pm MWF, SBE 32; 9 seats reserved for Non-LSBE students; 1 seat reserved for Continuing education; Meets with: 37338 ACCT 2001; Salmela, Karen Ellen, 3 cr
- 37340 013 LEC, 09:30am-10:45am TTh, SBE 32; 36 seats reserved for LSBE Students; Meets with: 37341 ACCT 2001; Li, June Fang, 3 cr
- 37341 014 LEC, 09:30am-10:45am TTh, SBE 32; 10 seats reserved for Non-LSBE students; Meets with: 37340 ACCT 2001; Li, June Fang, 3 cr
- 37811 015 LEC, 03:30pm-04:45pm TTh, SBE 32; 36 seats reserved for LSBE Students; Meets with: 37812 ACCT 2001; Li, June Fang, 3 cr
- 37812 016 LEC, 03:30pm-04:45pm TTh, SBE 32; 9 seats reserved for Non-LSBE students; 1 seat reserved for Continuing education; Meets with: 37811 ACCT 2001; Li, June Fang, 3 cr
- 38297 017 LEC, 06:00pm-08:40pm M, SBE 32; 36 seats reserved for LSBE Students; Meets with: 38298 ACCT 2001, 3 cr
- 38298 018 LEC, 06:00pm-08:40pm M, SBE 32; 7 seats reserved for Non-LSBE students; 3 seats reserved for Continuing education; Meets with: 38297 ACCT 2001, 3 cr
- 2002 Principles of Managerial Accounting**
 (A-F only; prereq 2001, LSBE student or college consent)
- 36253 001 LEC, 09:00am-09:50am MWF, SBE 32; Salmela, Karen Ellen, 3 cr
- 36254 002 LEC, 11:00am-11:50am MWF, SBE 32; Salmela, Karen Ellen, 3 cr
- 36255 003 LEC, 11:00am-12:15pm TTh, SBE 32; Yang, Joon Sun, 3 cr
- 37904 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)
- 36099 001 LEC, 12:30pm-01:45pm TTh, SBE 32; 43 seats reserved for LSBE Candidate; Meets with: 36100 ACCT 3101; Li, June Fang, 3 cr

- 36100 002 LEC, 12:30pm-01:45pm TTh, SBE 32; 3 seats reserved for Non-LSBE acct minor; Meets with: 36099 ACCT 3101; Li, June Fang, 3 cr
- 3102 Intermediate Accounting II**
 (A-F only; prereq 3101, LSBE cand or non-LSBE acct minor or college consent)
- 37750 001 LEC, 12:30pm-01:45pm TTh, SBE 20; 33 seats reserved for LSBE cand; Meets with: 37751 ACCT 3102; Feroz PhD, Ehsan Habib, 3 cr
- 37751 002 LEC, 12:30pm-01:45pm TTh, SBE 20; 3 seats reserved for Non-LSBE acct minor; Meets with: 37750 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)
- 36468 001 LEC, 02:00pm-03:15pm TTh, SBE 20; 33 seats reserved for LSBE cand; Meets with: 36469 ACCT 3110; Yang, Joon Sun, 3 cr
- 36469 002 LEC, 02:00pm-03:15pm TTh, SBE 20; 3 seats reserved for Non-LSBE acct minor; Meets with: 36468 ACCT 3110; Yang, Joon Sun, 3 cr
- 3151 Business Taxation**
 (A-F only; prereq LSBE cand or non-LSBE acct minor or college consent)
- 36426 001 LEC, 11:00am-11:50am MWF, SBE 20; 33 seats reserved for LSBE cand; Meets with: 37383 ACCT 3151; Skalberg, Randall Kirk, 3 cr
- 37383 002 LEC, 11:00am-11:50am MWF, SBE 20; 3 seats reserved for Non-LSBE acct minor; Meets with: 36426 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, cr will not be granted if cr received for 4152)
- 37907 001 LEC, 01:00pm-01:50pm MWF, SBE 20; Skalberg, Randall Kirk, 3 cr
- 37908 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)
- 36503 001 IND; Roline, Alan C, 1-3 cr
- 3196 Internship in Accounting**
 (max crs 6; 3 repeats allowed; S-N only; prereq 3101, department consent; max 3 cr may be applied to acct electives)
- 36618 001 IEX; Roline, Alan C, 2-6 cr
- 3201 Cost Accounting**
 (A-F only; prereq 2002, LSBE cand or non-LSBE acct minor or college consent)
- 37384 001 LEC, 12:00pm-12:50pm MWF, SBE 20; 33 seats reserved for LSBE cand; Meets with: 37385 ACCT 3201; Brannan, Rodger L, 3 cr
- 37385 002 LEC, 12:00pm-12:50pm MWF, SBE 20; 3 seats reserved for Non-LSBE acct minor; Meets with: 37384 ACCT 3201; Brannan, Rodger L, 3 cr
- 4160 Auditing**
 (A-F only; prereq 3102, LSBE candidate or college consent; cannot apply cr to a Graduate School program.)
- 37593 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)
- 39525 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)
- 37560 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)
- 35976 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)
- 36015 001 PRC; McGoffin, Mike, 1-4 cr
- 2101 The Evolution of the U.S. Air Force Air and Space Power**
 (A-F only)
- 36004 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)
- 37561 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)
- 36034 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)
- 36025 001 PRC; McGoffin, Mike, 1-4 cr
- 4101 National Security Affairs, Preparation for Active Duty**
 (A-F only; prereq No Grad School credit)
- 36035 001 LEC, 06:00pm-09:00pm W, ROTC 12; McGoffin, Mike, 3 cr

AMERICAN INDIAN STUDIES
(AmIn)

College of Liberal Arts

- 1103 Beginning Ojibwe I**
 (A-F only; meets LE req of LE CAT3; meets LECD req of LECD CAT3)
- 36492 001 LEC, 12:00pm-01:15pm TTh, ABAH 235; 1 seat reserved for Continuing education; Aubid, David Niib, 3 cr
- 1104 Beginning Ojibwe II**
 (A-F only; prereq 1103 or instructor consent; meets LE req of LE CAT3; meets LECD req of LECD CAT3)
- 41402 001 LEC, 06:00pm-08:30pm W, Cina 102; Aubid, David Niib, 3 cr
- 1106 American Indian Prose, Poetry, and Oratory**
 (A-F only; meets LE req of LE CAT9)
- 39540 001 LEC, 04:00pm-05:15pm MW, Cina 106; 1 seat reserved for Continuing education; Mello, Kenneth B., 3 cr
- 1120 American Indians in the 20th Century**
 (A-F only; meets LECD req of LECD CAT7)
- 36528 001 LEC, 11:00am-11:50am MWF, Cina 202; 1 seat reserved for Continuing education; Mello, Kenneth B., 3 cr
- 2204 Intermediate Ojibwe II**
 (A-F only; prereq 2203 or instructor consent; meets LE req of LE CAT3; meets LECD req of LECD CAT3)
- 39541 001 LEC, 04:00pm-05:15pm TTh, ABAH 245; Aubid, David Niib, 3 cr
- 3106 Indian-White Relations**
 (A-F only; prereq 1120 or instructor consent; meets LECD req of LECD CAT8)
- 36529 001 LEC, 04:00pm-05:15pm 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)
- 36530 001 IND; Red Horse, John G, 1-5 cr
- 3750 American Indian Psychology**
 (A-F only; prereq Intro soc sci course, 1120, 3106 or instructor consent)
- 39542 001 LEC, 11:00am-12:15pm TTh, BohH 104; Red Horse, John G, 3 cr

3997	Internship in American Indian Studies (max crs 12; 3 repeats allowed; A-F only; prereq AmIn major, instructor consent; may not be taken final semester of sr yr; may be taken in one or two semesters)	37656	002 IND, 1-5 cr	36334	002 LEC, 02:00pm-03:50pm MW, ABAH 135; Repinski, Robert A, 3 cr
36532	001 IEX; Red Horse, John G, 4-8 cr	4697	Anthropology Internship (max crs 6; S-N only; prereq Instructor consent, no Grad School credit)	36335	003 LEC, 12:00pm-01:50pm TTh, ABAH 135, 3 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)	37629	001 IEX, 2-6 cr	36336	004 LEC, 08:00am-09:50am MW, ABAH 125, 3 cr
36531	001 IND; Aubid, David Niib, 1-6 cr	4699	Honors Project (max crs 4; A-F only; prereq 1604, instructor consent; no Grad School credit; meets HON req of Honors)	37428	005 LEC, 08:00am-09:50am TTh, ABAH 125, 3 cr
4990	Directed Research (max crs 12; 12 repeats allowed; A-F only; prereq max 8 cr to Grad School program, instructor consent)	36786	001 DRS, 2 cr	37562	006 LEC, 10:00am-11:50am TTh, ABAH 125; Ramon, Cecilia, 3 cr
36533	001 DRS; Red Horse, John G, 1-6 cr	4997	Teaching Assistantship in Anthropology (max crs 6; S-N only; prereq Instructor consent, no Grad School credit)	37669	007 LEC, 12:00pm-01:50pm MW, ABAH 135; Pearcy, Wanda Jean, 3 cr
		37630	001 LEC, 1-3 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)
				36072	001 LEC, 12:00pm-01:50pm TTh, ABAH 145; Suh, Eun-Kyung, 3 cr
				36073	002 LEC, 10:00am-11:50am TTh, ABAH 145; Hilyard, Stephen J, 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)
				36307	001 LEC, 08:00am-09:50am MW, SBE 17; Bardolph, Steve, 3 cr
				36308	002 LEC, 10:00am-11:50am TTh, SBE 17; Rock, Joellyn Jean, 3 cr
				36309	003 LEC, 04:00pm-05:50pm TTh, SBE 17; Wittig, Rob, 3 cr
				36310	004 LEC, 04:00pm-05:50pm WF, SBE 17; Rock, Joellyn Jean, 3 cr
				37671	005 LEC, 10:00am-11:50am WF, SBE 17; Suh, Eun-Kyung, 3 cr
				1015	Freshman Seminar: 3-D Design (A-F only; prereq Freshman, fewer than 30 cr; Credit will not be granted if credit received for 1012.; meets LE req of LE CAT10)
				37563	001 SEM, 12:00pm-01:50pm WF, ABAH 145; Suh, Eun-Kyung, 3 cr
				1100	Painting I (A-F only; prereq 1009 or 1010, 1011, art or art ed major or art minor or instructor consent)
				36101	001 LEC, 08:00am-09:50am MW, H 318; 1 seat reserved for Continuing education, 3 cr
				37746	002 LEC, 08:00am-09:50am TTh, H 318; Gindy, Adu Alexand, 3 cr
				1125	Watercolor I (A-F only; prereq 1002 or 1010 or instructor consent)
				37672	090 LEC, 06:00pm-09:40pm Th, ABAH 135; 3 seats reserved for Continuing education; Meets with: 37674 ART 3125; Papenfuss, Elizabeth Ann, 3 cr
				1200	Sculpture I (A-F only; prereq 1012, art or art ed major or art minor or instructor consent)
				36068	001 LEC, 02:00pm-03:50pm TTh, ABAH 145; Meets with: 37863 ART 3200, 37866 ART 4200; Hilyard, Stephen J, 3 cr
				1300	Printmaking I: Intaglio, Relief (A-F only; prereq 1010, 1011, art or art ed major or art minor or instructor consent)
				40253	001 LEC, 12:00pm-01:50pm MW, H 338; Meets with: 36355 ART 4300, 37402 ART 3300; Repinski, Robert A, 3 cr
				1400	Ceramics I (A-F only; prereq 1010, 1012, art or art ed major or art minor or instructor consent)
				36089	001 LEC, 12:00pm-01:50pm TTh, ABAH 155; Klueg, James C, 3 cr
				39406	002 LEC, 09:00am-10:50am TTh, ABAH 155, 3 cr
				1500	Jewelry and Metals I (A-F only; prereq 1011 or 1013, art or art ed major or art minor or instructor consent)
				40160	090 LEC, 06:00pm-09:40pm W, ABAH 135; 4 seats reserved for Continuing education; Meets with: 36094 ART 3500; Klueg, James C, 3 cr
				1600	Photography I (A-F only; prereq Art or art ed major or art or photography minor or instructor consent)
				36322	001 LEC, 10:00am-11:50am MW, Cina 16; Brush, Gloria De, 3 cr

36323	002 LEC, 3 cr				
1605	Fundamentals of Photography (A-F only; prereq Not for art majors or minors; credit will not be granted if credit received for 1607.; meets LE req of LE CAT10)				
36337	090 LEC, 06:00pm-09:40pm T, Cina 16; 6 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; credit will not be granted if credit received for 1605.; meets LE req of LE CAT10)				
37387	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)				
39496	001 LEC, 10:00am-11:15am TTh, H314; Klueg, James C, 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 instructor consent)				
36208	001 LAB, 08:00am-09:50am TTh, VKH 131; Lehman, Victoria Dahlstrom, 3 cr				
37375	002 LAB, 02:00pm-03:50pm TTh, VKH 131; Lehman, Victoria Dahlstrom, 3 cr				
37860	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.)				
37673	001 LEC, 08:00am-09:50am M, VKH 131, 08:00am-09:50am W, ABAH 335; Waisman, Mariana Marta, 3 cr				
37796	002 LEC, 08:00am-09:50am Th, ABAH 335, 08:00am-09:50am T, SBE 17; Choo, Phil, 3 cr				
37861	003 LEC, 08:00am-09:50am Th, SBE 17, 08:00am-09:50am T, ABAH 335; Waisman, Mariana Marta, 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 instructor consent. credit will not be granted if credit received for 1014)				
37566	001 LAB, 02:00pm-03:50pm MW, SCC 42; Meets with: 37569 ART 4014; Hilyard, Stephen J, 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 instructor consent)				
36056	001 LEC, 02:00pm-03:50pm MW, SBE 17; Meets with: 36065 ART 5016; Bardolph, Steve, 3 cr				
37565	002 LEC, 02:00pm-03:50pm TTh, SBE 17; Meets with: 37570 ART 5016; Coker, Alyce L, 3 cr				
37862	003 LEC, 12:00pm-01:50pm WF, SBE 17; Meets with: 37869 ART 5016; Coker, Alyce L, 3 cr				
3030	Art in Technologies I (max crs 6; A-F only; prereq 1013, 3016, art or art ed major or art minor or instructor consent)				
36822	001 LEC, 04:00pm-05:50pm WF, VKH 131; Meets with: 38222 ART 5030; Bardolph, Steve, 3 cr				
3100	Painting II (max crs 9; 3 repeats allowed; A-F only; prereq 1100, art or art ed major or art minor or instructor consent; max 9 cr)				
36103	001 LEC, 02:00pm-03:50pm MW, H 318, 02:00pm-03:50pm MW, H 314; Meets with: 41620 ART 4100, 3 cr				
3125	Watercolor II (max crs 6; A-F only; prereq 1125 or instructor consent)				
37674	090 LEC, 06:00pm-09:40pm Th, ABAH 135; 1 seat reserved for Continuing education; Meets with: 37672 ART 1125; Papenfuss, Elizabeth Ann, 3 cr				
3200	Sculpture II (max crs 6; A-F only; prereq 1200, art or art ed major or art minor or instructor consent)				
37863	001 LEC, 02:00pm-03:50pm TTh, ABAH 145; Meets with: 36068 ART 1200, 37866 ART 4200; Hilyard, Stephen J, 3 cr				
3300	Printmaking II (max crs 6; A-F only; prereq 1300 or 1301, art or art ed major or art minor or instructor consent)				
37402	001 LEC, 12:00pm-01:50pm MW, H 338, 12:00pm-01:50pm MW, H 332; Meets with: 36355 ART 4300, 40253 ART 1300; Repinski, Robert A, 3 cr				
3400	Ceramics II (max crs 6; A-F only)				
36091	001 LEC, 02:00pm-03:50pm TTh, ABAH 155; Meets with: 36092 ART 4400; Klueg, James C, 3 cr				
3500	Jewelry and Metals II (max crs 6; A-F only; prereq 1500, art or art ed major or art minor or instructor consent)				
36094	090 LEC, 06:00pm-09:40pm W, ABAH 135; Meets with: 40160 ART 1500; Klueg, James C, 3 cr				
3600	Photography II (max crs 6; A-F only; prereq 1013 and art or art ed major or art or photography minor or instructor consent)				
36324	001 LEC, 08:00am-09:50am WF, Cina 16; Dugan, Jeffrey William, 3 cr				
37567	002 LEC, 04:00pm-05:50pm W, Cina 16, 04:00pm-05:50pm M, SBE 17; Dugan, Jeffrey William, 3 cr				
3700	Drawing II (max crs 6; A-F only; prereq 1010, art or art ed major or art minor or instructor consent)				
36107	001 LEC, 10:00am-11:50am TTh, ABAH 325; Meets with: 36829 ART 4700; Repinski, Robert A, 3 cr				
3806	Early Childhood Art (A-F only; prereq Art or art ed major or admission to ECh studies program or instructor consent)				
37568	001 LEC, 01:00pm-02:20pm M, H 331, 1 cr				
39404	002 LEC, 02:00pm-03:20pm T, H 331; Aune, Alison Judith, 1 cr				
3810	Art in Elementary Education (A-F only; prereq Art ed major or pre-elem/ middle school ed major and 1002 or admission to elem ed program and 1002, or instructor consent)				
36076	001 LEC, 11:00am-12:25pm TTh, H 331; Aune, Alison Judith, 2 cr				
37125	002 LEC, 09:00am-10:25am TTh, H 331, 2 cr				
37864	003 LEC, 10:00am-11:25am MW, H 331, 2 cr				
37876	004 LEC, 06:00pm-08:50pm W, H 331; Dietrich, Jennifer Lee, 2 cr				
3811	Art Education Elementary-Level Experience (A-F only; prereq 3810, Art ed major or instructor consent)				
38162	001 LEC, 03:00pm-04:20pm MW, H 331; Dietrich, Jennifer Lee, 2 cr				
3922	Graphic Design II (A-F only; prereq 2911, graphic design major or instructor consent)				
36210	001 LEC, 02:00pm-03:50pm M, VKH 131, 02:00pm-03:50pm W, ABAH 335; Bardolph, Steve, 3 cr				
37376	002 LEC, 12:00pm-01:50pm T, ABAH 335, 12:00pm-01:50pm Th, SBE 17; Rock, Joellyn Jean, 3 cr				
3933	Graphic Design III (A-F only; prereq 3922, graphic design major or instructor consent)				
38169	001 LEC, 02:00pm-03:50pm M, ABAH 335, 02:00pm-03:50pm W, VKH 131; Rock, Joellyn Jean, 3 cr				
4014	3-D Digital Studio II (A-F only; prereq 3014, art or art ed major or architecture and design studies minor or art minor or instructor consent)				
37569	001 LAB, 02:00pm-03:50pm MW, SCC 42; Meets with: 37566 ART 3014; Hilyard, Stephen J, 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 instructor consent; no Grad School credit)				
41620	001 LEC, 02:00pm-03:50pm MW, H 318, 02:00pm-03:50pm MW, H 314; Meets with: 36103 ART 3100, 3 cr				
4191	Individual Study in Painting (max crs 8; 8 repeats allowed; A-F only; prereq Two sem painting, instructor consent; no Grad School credit)				
36105	001 IND, 1-3 cr				
4200	Sculpture III (max crs 6; A-F only; prereq 3200, art or art ed major or art minor or instructor consent; no Grad School credit)				
37866	001 LEC, 02:00pm-03:50pm TTh, ABAH 145; Meets with: 36068 ART 1200, 37863 ART 3200; Hilyard, Stephen J, 3 cr				
4291	Individual Study in Sculpture (max crs 8; 8 repeats allowed; A-F only; prereq 2 sem sculpture, instructor consent; no Grad School credit)				
36080	001 IND; Hilyard, Stephen J, 1-3 cr				
4300	Printmaking III (max crs 6; A-F only; prereq 3300, art or art ed major or art minor or instructor consent)				
36355	001 LEC, 12:00pm-01:50pm MW, H 338, 12:00pm-01:50pm MW, H 332; Meets with: 37402 ART 3300, 40253 ART 1300; Repinski, Robert A, 3 cr				
4391	Individual Study in Printmaking (max crs 8; 8 repeats allowed; A-F only; prereq 3300, department consent)				
36356	001 IND; Repinski, Robert A, 1-3 cr				
4400	Ceramics III (max crs 6; A-F only; prereq 3400, art or art ed major or art minor or instructor consent; no Grad School credit)				
36092	001 LEC, 02:00pm-03:50pm TTh, ABAH 155; Meets with: 36091 ART 3400; Klueg, James C, 3 cr				
4491	Individual Study in Ceramics (max crs 8; 8 repeats allowed; A-F only; prereq 2 sem ceramics, department consent)				
36358	001 IND; Klueg, James C, 1-3 cr				
4600	Photography III (max crs 9; 3 repeats allowed; A-F only; prereq 2900, 3600, art or art ed major or art or photography minor or instructor consent)				
36325	001 LEC, 02:00pm-03:50pm MW, Cina 16; Brush, Gloria De, 3 cr				
4691	Individual Study in Photography (max crs 8; 8 repeats allowed; A-F only; prereq 2 semesters of photography, department consent)				
36357	001 IND; Brush, Gloria De, 1-3 cr				
37747	002 IND; Dugan, Jeffrey William, 1-3 cr				
4700	Drawing III (max crs 6; A-F only; prereq 3700, art or art ed major or art minor or instructor consent)				
36829	001 LEC, 10:00am-11:50am TTh, ABAH 325; Meets with: 36107 ART 3700; Repinski, Robert A, 3 cr				
4791	Individual Study in Drawing (max crs 8; 8 repeats allowed; A-F only; prereq 2 semesters of drawing, instructor consent)				
36108	001 IND; Repinski, Robert A, 1-3 cr				
4812	Senior Seminar (A-F only; prereq Sr or instructor consent; no Grad School credit)				
39448	00 SEM, 06:00pm-08:30pm Th, ABAH 345; Dugan, Jeffrey William, 3 cr				
38216	001 SEM, 12:00pm-01:15pm MW, Cina 16; Brush, Gloria De, 3 cr				
4891	Honors Art Education Research (A-F only; prereq Art ed major and instructor consent; no Grad School credit; meets HON req of Honors)				
36343	001 STU; Aune, Alison Judith, 3 cr				
4899	Senior Presentation/Exhibition (A-F only; prereq Sr art major or instructor consent; no Grad School credit)				
36346	001 STU; Aune, Alison Judith, 1 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)
- 37406 001 LEC, 04:00pm-04:50pm Th, H 331; Aune, Alison Judith, 1 cr
- 4905 Design Technology II**
(A-F only; prereq 2905, graphic design major or instructor consent)
- 36235 001 LEC, 10:00am-11:50am TTh, VKH 131; Lehman, Victoria Dahlstrom, 3 cr
- 4910 Senior Design Studio**
(max crs 6; A-F only; prereq 3933, sr graphic design major or instructor consent; no Grad School credit)
- 37676 001 SEM, 10:00am-11:50am M, SBE 17, 10:00am-11:50am W, ABAH 125; Kmetz, Janice Dorene, 3 cr
- 37877 002 SEM, 12:00pm-01:50pm M, VKH 131, 12:00pm-01:50pm W, ABAH 335; Kmetz, Janice Dorene, 3 cr
- 37878 003 SEM, 12:00pm-01:50pm T, SBE 17, 12:00pm-01:50pm Th, ABAH 335; Appleton, Robert D, 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 instructor consent)
- 36065 001 LEC, 02:00pm-03:50pm MW, SBE 17; Meets with: 36056 ART 3016; Bardolph, Steve, 3 cr
- 37570 002 LEC, 02:00pm-03:50pm TTh, SBE 17; Meets with: 37565 ART 3016; Coker, Alyce L, 3 cr
- 37869 003 LEC, 12:00pm-01:50pm WF, SBE 17; Meets with: 37862 ART 3016; Coker, Alyce L, 3 cr
- 5030 Art in Technologies II**
(max crs 6; A-F only; prereq 3030, art or art ed major or art minor or instructor consent)
- 38222 001 LEC, 04:00pm-05:50pm WF, VKH 131; Meets with: 36822 ART 3030; Bardolph, Steve, 3 cr
- 5907 Motion Graphics**
(A-F only; prereq 2911 and graphic design major or pregrad art and tech or grad, or instructor consent)
- 36303 001 LEC, 12:00pm-01:50pm TTh, VKH 131; Ishino, Catherine Jo, 3 cr
- 37571 002 LEC, 04:00pm-05:50pm TTh, VKH 131; Ishino, Catherine Jo, 3 cr
- 37870 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 Graphic design major and 5907 or instructor consent)
- 39501 001 LEC, 12:00pm-01:50pm W, ABAH 125, 12:00pm-01:50pm F, VKH 131; Choo, Phil, 3 cr
- 39502 002 LEC, 02:00pm-03:50pm W, ABAH 125, 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 instructor consent)
- 39585 001 LAB, 12:00pm-01:50pm F, ABAH 335, 12:00pm-01:50pm W, VKH 131; Waisman, Mariana Marta, 3 cr
- 5991 Independent Study in Graphic Design**
(max crs 8; 8 repeats allowed; A-F only; prereq 2 sem work in graphic design and graphic design major and instructor consent)
- 36812 001 IND; Appleton, Robert D, 1-3 cr
- 37871 002 IND; Choo, Phil, 1-3 cr
- 37872 003 IND; Kmetz, Janice Dorene, 1-3 cr
- 37873 004 IND; Lehman, Victoria Dahlstrom, 1-3 cr
- 37874 005 IND; Waisman, Mariana Marta, 1-3 cr
- 39446 006 IND; Ishino, Catherine Jo, 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)
- 40338 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)
- 40339 001 STU; Kmetz, Janice Dorene, 3 cr

- 8901 Graduate Seminar**
(max crs 16; 4 repeats allowed; A-F only; prereq Concurrent registration is required (or allowed) for 8980)
- 36844 001 SEM; Appleton, Robert D, 4 cr
- 8903 Art Teaching Practicum**
(max crs 4; 4 repeats allowed; A-F only; prereq Grad tchg asst or instructor consent)
- 36845 001 SEM; Repinski, Robert A, 1 cr
- 8980 Graduate Studio**
(max crs 16; 4 repeats allowed; A-F only; prereq Concurrent registration is required (or allowed) for 8901; grad student)
- 36846 001 STU; Appleton, Robert D, 4 cr
- 8990 M.F.A. Creative Thesis**
(max crs 6; A-F only; prereq Graduate student and instructor consent)
- 40340 001 STU; Appleton, Robert D, 3-6 cr

ART HISTORY (ArH) School of Fine Arts

- 1303 History of World Art I**
(A-F only; meets LE req of LE CAT9)
- 37879 001 LEC, 12:00pm-01:15pm TTh, H 314; 1 seat reserved for Continuing education; Hedin, Thomas F, 3 cr
- 1400 Freshman Seminar Honors: Paris in the Age of Impressionism**
(A-F only; prereq Freshman, fewer than 30 cr, college consent; meets HON req of Honors; meets LE req of LE CAT9)
- 41574 001 SEM, 12:00pm-01:15pm MW, ABAH 345; Roslak, Robyn, 3 cr
- 2305 Classical Themes in Art History**
(A-F only; meets LE req of LE CAT9)
- 39483 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 CAT9)
- 36083 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)
- 36084 001 DST; Roslak, Robyn, 1-3 cr
- 37875 002 DST; Hedin, Thomas F, 1-3 cr
- 3370 European Art, 1900-1945**
(A-F only)
- 37882 001 LEC, 10:00am-10:50am MWF, ABAH 345; Roslak, Robyn, 3 cr
- 4491 Directed Study in 19th- and 20th-Century European Art**
(max crs 9; 9 repeats allowed; A-F only; prereq Graduate Student or instructor consent; max 6 cr for undergrads, max 9 cr for grad)
- 37883 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)
- 39498 090 LEC, 06:00pm-08:30pm W, H 314; 15 seats reserved for Continuing education; Kmetz, Janice Dorene, 3 cr
- 4991 Directed Study in the History of Graphic Design**
(max crs 8; A-F only; prereq Grad student or instructor consent)
- 39577 001 DRS; Kmetz, Janice Dorene, 3-4 cr
- 4999 Senior Paper Art History**
(A-F only; prereq Major in ArtH with 90 cr, instructor consent; no Grad School credit)
- 37837 001 DRS; Hedin, Thomas F, 1 cr
- 37884 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)
- 37885 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)
- 36486 001 LEC, 12:00pm-12:50pm MWF, LSci 185; (1 hr recitation, 1st 3 wks by arr); 1 seat reserved for Continuing education; Hartley, Susan R, 3 cr
- 36914 002 LEC, 06:00pm-08:30pm M, LSci 175; 3 seats reserved for Continuing education; Hartley, Susan R, 3 cr
- 37103 200 LEC; (Individualized Instruction); 2 seats reserved for Continuing education; Holst, Timothy Bailey, 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)
- 36760 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)
- 37833 001 LEC; Prohaska, Joseph R; Giulivi, Cecilia, 3 cr
- 8294 Current Research Techniques**
(max crs 4; 4 repeats allowed; S-N only; prereq Biochem or Chem Graduate Student or instructor consent)
- 36747 001 DRS, 1-3 cr
- 8333 FTE: Master's**
(NGA; prereq Masters student, adviser and DGS consent)
- 37192 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
- 37201 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)
- 37211 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))
- 37231 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)
- 37241 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, 11:00am-11:50am MWF, LSci 175; Borden, Virginia Marie
- 36397 002 LAB, 09:00am-10:50am T, LSci 270, 4 cr
- 36398 003 LAB, 11:00am-12:50pm T, LSci 270; 1 seat reserved for Continuing education, 4 cr
- 36399 004 LAB, 02:00pm-03:50pm T, LSci 270, 4 cr
- 36400 005 LAB, 01:00pm-02:50pm W, LSci 270, 4 cr
- 36401 006 LAB, 03:00pm-04:50pm W, LSci 270, 4 cr
- 36402 007 LAB, 09:00am-10:50am Th, LSci 270, 4 cr
- 37636 008 LAB, 11:00am-12:50pm Th, LSci 270; 1 seat reserved for Continuing education, 4 cr
- 37637 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)	2801 General Ecology (A-F only; prereq 1012 or instructor consent)	37919 002 LAB, 02:00pm-04:50pm M, LSci 330; Craig, Timothy Paul, 3 cr
001 LEC, 11:00am-11:50am MTWF, Chem 200; Belk, Colleen M; Rachinsky, Anna	36405 001 LEC, 12:00pm-01:15pm TTh, LSci 185; Schimpf, David J, 3 cr	4801 Evolution (A-F only; prereq 1012, 2201 or instructor consent)
36381 002 LAB, 12:35pm-02:50pm M, LSci 310, 5 cr	2802 Ecology Laboratory (A-F only; prereq Concurrent registration is required (or allowed) for 2801)	37420 001 LEC, 03:00pm-03:50pm TTh, LSci 185; Borden, Virginia Marie, 2 cr
36382 003 LAB, 03:00pm-05:15pm M, LSci 310, 5 cr	36406 001 LAB, 01:00pm-04:50pm M, LSci 234, 2 cr	5199 Frontiers in Cell Biology (A-F only; prereq 2101, 2201, 90 cr)
36383 004 LAB, 06:00pm-08:15pm M, LSci 310, 5 cr	36407 002 LAB, 08:00am-11:50am T, LSci 234, 2 cr	39543 001 LEC, 06:00pm-07:50pm M, KPlz 312; Andrews, Matthew T., 2 cr
36384 005 LAB, 08:30am-10:45am T, LSci 310, 5 cr	36408 003 LAB, 02:00pm-05:50pm T, LSci 234, 2 cr	5401 Coevolution of Plants, Animals and Microbes (A-F only; prereq 2801, 2802)
36385 006 LAB, 12:00pm-02:15pm T, LSci 310, 5 cr	36409 004 LAB, 08:00am-11:50am W, LSci 234, 2 cr	37634 001 LEC, 01:00pm-01:50pm TTh, LSci 160, 02:00pm-03:30pm TTh, LSci 330; Craig, Timothy Paul, 3 cr
36386 007 LAB, 02:30pm-04:45pm T, LSci 310, 5 cr	36410 005 LAB, 01:00pm-04:50pm W, LSci 234, 2 cr	5811 Plant Autecology (max crs 3; A-F only; prereq 2801)
36387 008 LAB, 06:00pm-08:15pm T, LSci 310, 5 cr	36411 006 LAB, 08:00am-11:50am Th, LSci 234, 2 cr	39513 001 LEC, 09:00am-09:50am TTh, Chem 153; Schimpf, David J, 2 cr
36388 009 LAB, 08:30am-10:45am W, LSci 310, 5 cr	36412 007 LAB, 02:00pm-05:50pm Th, LSci 234, 2 cr	5833 Stream Ecology (A-F only; prereq 2801 or instructor consent)
36389 010 LAB, 12:00pm-02:15pm W, LSci 310, 5 cr	36413 008 LAB, 08:00am-11:50am F, LSci 234, 2 cr	001 LEC, 08:00am-08:50am MW, LSci 170; Richards, Carl
36390 011 LAB, 02:30pm-04:45pm W, LSci 310, 5 cr	2961 Introduction to Veterinary Medicine (S-N only; prereq 1012 or instructor consent)	39517 002 LAB, 09:00am-11:50am MW, LSci 230; Richards, Carl, 4 cr
36391 012 LAB, 06:00pm-08:15pm W, LSci 310, 5 cr	37405 001 LEC, 07:00pm-09:00pm T, LSci 170; Karim, M Raj, 1 cr	5861 Lake Ecology (A-F only; prereq 2801 or instructor consent)
36392 013 LAB, 08:00am-10:15am Th, LSci 310, 5 cr	3601 Plant Diversity (A-F only; prereq 1012)	36436 001 LEC, 02:00pm-03:15pm TTh, Room TBA, DULUTH; Branstrator, Donn K, 3 cr
36393 014 LAB, 10:30am-12:45pm Th, LSci 310, 5 cr	001 LEC, 08:00am-08:50am MW, Chem 155	5863 Ecosystems Ecology (A-F only; prereq 2801 or instructor consent)
36394 015 LAB, 01:00pm-03:15pm Th, LSci 310, 5 cr	39511 002 LAB, 09:00am-11:50am M, LSci 260; Etterson, Julie Rae, 3 cr	39514 001 LEC, 02:00pm-03:15pm TTh, Room TBA, DULUTH; Pastor, John Joseph, 3 cr
37801 016 LAB, 03:30pm-05:45pm Th, LSci 310, 5 cr	39512 003 LAB, 01:00pm-03:50pm M, LSci 260, 3 cr	5864 Ecosystems Ecology Laboratory (A-F only; prereq Concurrent registration is required (or allowed) for 5863; 2802)
37829 017 LAB, 06:00pm-08:15pm Th, LSci 310, 5 cr	3703 Animal Physiology (A-F only; prereq 1011, 1012, one semester college chemistry)	39515 001 LAB, 03:30pm-05:00pm TTh, LSci 230; Pastor, John Joseph, 1 cr
1012 General Biology II (A-F only; prereq 1011)	001 LEC, 09:00am-09:50am MTWTh, Chem 200; Borden, Virginia Marie; Shannon, Lyle John	8099 The Biological Practitioner (S-N only; prereq Grad student in biol or related field)
37299 002 LAB, 10:00am-12:15pm T, LSci 314, 5 cr	002 LAB, 12:30pm-02:45pm T, LSci 314, 5 cr	36849 001 SEM; Pastor, John Joseph, 1 cr
37300 003 LAB, 12:30pm-02:45pm T, LSci 314, 5 cr	37301 004 LAB, 03:00pm-05:15pm T, LSci 314, 5 cr	8333 FTE: Master's (NGA; prereq Masters student, adviser and DGS consent)
37301 004 LAB, 03:00pm-05:15pm T, LSci 314, 5 cr	37911 005 LAB, 06:00pm-08:15pm T, LSci 314, 5 cr	37187 001 DRS, 1 cr
37302 006 LAB, 10:00am-12:15pm W, LSci 314, 5 cr	37302 006 LAB, 10:00am-12:15pm W, LSci 314, 5 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))
37303 007 LAB, 12:30pm-02:45pm W, LSci 314, 5 cr	37303 007 LAB, 12:30pm-02:45pm W, LSci 314, 5 cr	37218 001 THE, 1-18 cr
37304 008 LAB, 03:00pm-05:15pm W, LSci 314, 5 cr	37304 008 LAB, 03:00pm-05:15pm W, LSci 314, 5 cr	8994 Graduate Research (max crs 10; 10 repeats allowed; S-N only; prereq Grad student in biol or related field)
37912 009 LAB, 06:00pm-08:15pm W, LSci 314, 5 cr	37912 009 LAB, 06:00pm-08:15pm W, LSci 314, 5 cr	37180 001 DST, 1-4 cr
37305 010 LAB, 10:00am-12:15pm Th, LSci 314, 5 cr	37305 010 LAB, 10:00am-12:15pm Th, LSci 314, 5 cr	
37913 011 LAB, 12:30pm-02:45pm Th, LSci 314, 5 cr	37913 011 LAB, 12:30pm-02:45pm Th, LSci 314, 5 cr	
37914 012 LAB, 03:00pm-05:15pm Th, LSci 314, 5 cr	37914 012 LAB, 03:00pm-05:15pm Th, LSci 314, 5 cr	
37915 013 LAB, 06:00pm-08:15pm Th, LSci 314, 5 cr	37915 013 LAB, 06:00pm-08:15pm Th, LSci 314, 5 cr	
37722 014 LAB, 08:00am-10:15am F, LSci 314, 5 cr	37722 014 LAB, 08:00am-10:15am F, LSci 314, 5 cr	
37916 015 LAB, 10:30am-12:45pm F, LSci 314, 5 cr	37916 015 LAB, 10:30am-12:45pm F, LSci 314, 5 cr	
39421 016 LAB, 01:00pm-03:15pm F, LSci 314, 5 cr	39421 016 LAB, 01:00pm-03:15pm F, LSci 314, 5 cr	
39422 017 LAB, 03:30pm-05:45pm F, LSci 314, 5 cr	39422 017 LAB, 03:30pm-05:45pm F, LSci 314, 5 cr	
1093 Freshman Seminar: Biological Illustration (A-F only; prereq Freshman, fewer than 30 credits; meets LE req of LE CAT5)	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)	
37577 001 SEM, 09:00am-10:40am MW, LSci 270; Pastor, John Joseph, 3 cr	36403 001 LAB, 1-2 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)	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)	
37917 001 SEM, 03:30pm-04:45pm TTh, MWAH 191; Hicks, Randall E, 3 cr	36419 001 DRS, 1-3 cr	
1761 Human Anatomy (A-F only; prereq 1 yr high school Biol or 1011)	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)	
001 LEC, 02:00pm-03:05pm TTh, Chem 150; Holmstrand, Linda Lea	36418 001 IEX, 1-2 cr	
36361 002 LAB, 10:00am-11:30am MW, LSci 360, 4 cr	3997 Seminar I (S-N only; prereq Jr or instructor consent)	
36362 003 LAB, 01:00pm-02:30pm MW, LSci 360, 4 cr	36414 001 SEM, 03:00pm-04:30pm F, LSci 185; Rachinsky, Anna, 0.50 cr	
36363 004 LAB, 09:00am-10:30am TTh, LSci 360, 4 cr	3998 Seminar II (S-N only; prereq 3997, jr or sr or instructor consent)	
36364 005 LAB, 12:00pm-01:30pm TTh, LSci 360, 4 cr	36415 001 SEM, 11:00am-11:50am MW, H 468; Shannon, Lyle John, 0.50 cr	
2201 Genetics (A-F only; prereq 1012, Math 1004)	37576 002 SEM, 02:00pm-02:50pm MW, BohH 343; Holmstrand, Linda Lea, 0.50 cr	
36404 001 LEC, 02:00pm-02:50pm MWF, Chem 200; Belk, Colleen M, 3 cr	36416 003 SEM, 11:00am-11:50am TTh, LSci 175; Branstrator, Donn K, 0.50 cr	
	36417 004 SEM, 01:00pm-01:50pm TTh, MWAH 191; Etterson, Julie Rae, 0.50 cr	
	4501 General Microbiology (A-F only; prereq 2101 or instructor consent)	
	001 LEC, 10:00am-10:50am MW, LSci 185; Karim, M Raj	
	36421 002 LAB, 08:00am-09:50am TTh, LSci 250, 4 cr	
	36915 003 LAB, 11:00am-12:50pm TTh, LSci 250, 4 cr	
	36916 004 LAB, 02:00pm-03:50pm TTh, LSci 250, 4 cr	
	4731 Entomology (A-F only; prereq 1012 or instructor consent)	
	001 LEC, 01:00pm-01:50pm MW, LSci 170; Craig, Timothy Paul	

BUSINESS LAW (BLaw) School of Business & Economics

2001 The Legal Environment (A-F only; prereq Min 30 cr.; meets LE req of LE CAT8)	36500 001 LEC, 08:00am-08:50am MWF, LSci 175; Skalberg, Randall Kirk, 3 cr
	37092 002 LEC, 08:00am-09:15am TTh, LSci 175, 3 cr
	37647 003 LEC, 06:00pm-08:40pm W, SBE 32; 2 seats reserved for Continuing education, 3 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)	38144 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)
36060 001 LEC, 02:00pm-03:15pm TTh, Engr 280; DeWitte, Renee Elizabeth, 3 cr
- 2001 Introduction to Environmental Engineering**
(A-F only; prereq High school chem, high school algebra; meets LE req of LE CAT4)
35963 001 LEC, 05:00pm-09:00pm T, Engr 290; DeWitte, Renee Elizabeth, 3 cr
- 2111 Material and Energy Balances**
(prereq Chem 1151 or Chem 1161)
35970 001 LEC, 08:00am-09:15am TTh, Engr 290; Hasan, Abu Rashid, 3 cr
- 3031 Computational Methods in Chemical Engineering**
(A-F only; prereq B.S.Ch.E. candidate, 2111, Math 3280)
001 LEC, 02:00pm-03:15pm TTh, Engr 204; Davis, Richard A
38206 002 LAB; Davis, Richard A, 3 cr
- 3111 Fluid Mechanics**
(A-F only; prereq Engr 2015, Math 3280)
35889 001 LEC, 01:00pm-01:50pm MWF, VKH 221, 3 cr
- 3112 Heat and Mass Transfer**
(A-F only; prereq 3111)
37666 001 LEC, 03:30pm-04:45pm TTh, Engr 290; Rutkowski, Gregory, 3 cr
- 3211 Chemical Engineering Laboratory I**
(A-F only; prereq 3111)
38485 001 LAB, 03:00pm-04:50pm T, Engr 165, 02:00pm-02:50pm T, Engr 204, 02:30pm-04:50pm Th, Engr 165, 3 cr
- 3241 Principles of Particle Technology**
(A-F only; prereq B.S.Ch.E. candidate, 2111, Phys 2012, Math 3280 or instructor consent; cr will not be granted if cr received for 4621)
001 LEC, 10:00am-10:50am MW, VKH 221; Lodge, Keith B
38204 002 LAB, 10:00am-11:50am T, Engr 114; Lodge, Keith B, 3 cr
38205 003 LAB, 10:00am-11:50am Th, Engr 114; Lodge, Keith B, 3 cr
40181 004 LAB, 04:00pm-05:50pm Th, Engr 114; Lodge, Keith B, 3 cr
- 3791 Independent Study**
(max crs 3; 3 repeats allowed; prereq BSChE cand, department consent)
35953 001 LEC, 1-3 cr
- 3894 Chemical Engineering Research**
(max crs 6; 6 repeats allowed; prereq BSChE cand, max 6 cr in 3994)
35954 001 LAB, 1-3 cr
- 3951 Cooperative Education**
(max crs 20; 20 repeats allowed; prereq BSChE cand, department consent)
35971 001 IEX; Hasan, Abu Rashid, 1-6 cr
- 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)
35955 001 LAB, 1-3 cr
- 4111 Separations**
(A-F only; prereq 3112; no Grad School credit)
001 LEC, 11:00am-11:50am WF, H 458; Davis, Richard A
37059 002 LAB, 11:00am-11:50am M, Engr 204; Davis, Richard A, 3 cr
- 4211 Chemical Engineering Laboratory II**
(A-F only; prereq 3211; no Grad School credit)
36720 001 LAB, 12:00pm-01:50pm T, Engr 165, 02:00pm-02:50pm T, Engr 204, 12:00pm-02:20pm Th, Engr 165, 3 cr
36721 002 LAB, 03:00pm-04:50pm T, Engr 165, 02:00pm-02:50pm T, Engr 204, 02:30pm-04:50pm Th, Engr 165, 3 cr
- 4301 Chemical Reaction Engineering**
(A-F only; prereq 3112; no Grad School credit)
35944 001 LEC, 09:00am-09:50am MWF, Engr 290; Lodge, Keith B, 3 cr

- 4501 Chemical Engineering Design I**
(A-F only; prereq 2121, 3231, 4111, 4211, 4301; no Grad School credit)
37271 001 LEC, 02:00pm-03:50pm MWF, SBE 20
36993 002 LAB, 03:15pm-05:00pm TTh, Engr 204, 4 cr
- 4621 Particle Technology**
(A-F only; prereq 2111, 3111)
43224 001 LEC, 10:00am-10:50am MW, Room TBA, DULUTH; Lodge, Keith B, 3 cr

CHEMISTRY (Chem)**College of Science & Engineering**

- 1102 Aspects of Chemistry**
(max crs 4; A-F only; prereq Credit will not be granted if credit received for 1113, 1151, 1161 or 2172; meets LE req of LE CAT4; meets LE req of LE CAT5)
001 LEC, 08:00am-09:15am TTh, SCC 120; Meets with: 37055 CHEM 1102; Fulkrod, John E
36484 002 LAB, 03:00pm-04:50pm W, Chem 316; 1 seat reserved for Continuing education, 3-4 cr
36485 003 LAB, 03:00pm-04:50pm Th, Chem 316, 3-4 cr
37927 004 LAB, 12:00pm-01:50pm F, Chem 316, 3-4 cr
37055 005 LET, 08:00am-09:15am TTh, SCC 120; (meets with sec 1 lec); Meets with: 36483 CHEM 1102; Fulkrod, John E, 3 cr
- 1113 Introduction to General, Organic, and Biological Chemistry I**
(A-F only; prereq Credit will not be granted if credit received for 1151, 1161, 2172; for students terminating study of chem with no more than 10 cr; meets LE req of LE CAT4)
001 LEC, 01:00pm-01:50pm MTWThF, Chem 150; Fulkrod, John E
36257 002 LAB, 09:00am-10:50am T, Chem 320, 5 cr
36258 003 LAB, 11:00am-12:50pm T, Chem 320, 5 cr
36259 004 LAB, 02:00pm-03:50pm W, Chem 320, 5 cr
37539 005 LAB, 11:00am-12:50pm F, Chem 320, 5 cr
- 1151 General Chemistry I**
(A-F only; prereq Credit will not be granted if credit has been received for 1113, 1161, 2172; high school chem, high school algebra; meets LE req of LE CAT4)
001 LEC, 10:00am-10:50am MTWF, Chem 200; Splan, Patricia Rae
002 DIS, 08:00am-08:50am Th, Cina 106
36263 003 LAB, 02:00pm-04:50pm M, Chem 301, 5 cr
36265 004 DIS, 09:00am-09:50am Th, Chem 150
005 LAB, 02:00pm-04:50pm M, Chem 301, 5 cr
006 DIS, 08:00am-08:50am Th, ABAH 235
36267 007 LAB, 06:00pm-08:50pm M, Chem 301, 5 cr
008 DIS, 09:00am-09:50am Th, Cina 308
36269 009 LAB, 02:00pm-04:50pm T, Chem 301, 5 cr
010 DIS, 08:00am-08:50am Th, MWAH 191
36271 011 LAB, 02:00pm-04:50pm T, Chem 301, 5 cr
012 DIS, 09:00am-09:50am Th, KPlz 312
36273 013 LAB, 06:00pm-08:50pm T, Chem 301, 5 cr
014 DIS, 08:00am-08:50am Th, BohH 108
36275 015 LAB, 02:00pm-04:50pm W, Chem 301, 5 cr
016 DIS, 09:00am-09:50am Th, MWAH 195
36277 017 LAB, 02:00pm-04:50pm W, Chem 301, 5 cr
018 DIS, 08:00am-08:50am Th, Cina 224
36279 019 LAB, 06:00pm-08:50pm W, Chem 301, 5 cr
020 DIS, 08:00am-08:50am Th, BohH 343
36281 021 LAB, 10:00am-12:50pm Th, Chem 301, 5 cr
022 DIS, 09:00am-09:50am Th, Room TBA, DULUTH
37269 023 LAB, 02:00pm-04:50pm Th, Chem 301, 5 cr
- 024 DIS, 09:00am-09:50am Th, Room TBA, DULUTH
025 LAB, 06:00pm-08:50pm Th, Chem 301, 5 cr
026 DIS, 08:00am-08:50am Th, Room TBA, DULUTH
38255 027 LAB, 06:00pm-08:50pm Th, Chem 316, 5 cr
028 LEC, 12:00pm-12:50pm MTWF, Chem 200; Markuszewski, Richard
36284 029 DIS, 12:00pm-12:50pm Th, Cina 106
030 LAB, 06:00pm-08:50pm M, Chem 301, 5 cr
031 DIS, 01:00pm-01:50pm Th, Cina 106
36286 032 LAB, 09:00am-11:50am T, Chem 301, 5 cr
033 DIS, 12:00pm-12:50pm Th, Chem 153
36288 034 LAB, 09:00am-11:50am T, Chem 301, 5 cr
035 DIS, 01:00pm-01:50pm Th, Engr 118
36290 036 LAB, 06:00pm-08:50pm T, Chem 301, 5 cr
037 DIS, 01:00pm-01:50pm Th, Engr 177
36292 038 LAB, 08:00am-10:50am W, Chem 301, 5 cr
039 DIS, 12:00pm-12:50pm Th, Engr 177
36294 040 LAB, 08:00am-10:50am W, Chem 301, 5 cr
041 DIS, 01:00pm-01:50pm Th, SpHC 212
36296 042 LAB, 06:00pm-08:50pm W, Chem 301, 5 cr
043 DIS, 01:00pm-01:50pm Th, Chem 153
36298 044 LAB, 10:00am-12:50pm Th, Chem 301, 5 cr
045 DIS, 12:00pm-12:50pm Th, Cina 224
36300 046 LAB, 02:00pm-04:50pm Th, Chem 301, 5 cr
047 DIS, 12:00pm-12:50pm Th, LSci 170
37105 048 LAB, 06:00pm-08:50pm Th, Chem 301, 5 cr
049 DIS, 01:00pm-01:50pm Th, Cina 224
37107 050 LAB, 08:00am-10:50am F, Chem 301, 5 cr
051 DIS, 12:00pm-12:50pm Th, MonH 208
37729 052 LAB, 09:00am-11:50am F, Chem 301, 5 cr
053 DIS, 12:00pm-12:50pm Th, SpHC 212
38305 054 LAB, 06:00pm-08:50pm M, Chem 316, 5 cr
- 1152 General Chemistry II**
(A-F only; prereq 1151; Credit will not be granted if credit received for 1114, 1162, 2172)
001 LEC, 01:00pm-01:50pm MTWF, LSci 175; Poe, Donald Patrick
002 DIS, 01:00pm-01:50pm Th, LSci 170
37274 003 LAB, 02:00pm-04:50pm M, Chem 316, 5 cr
004 DIS, 12:00pm-12:50pm Th, BohH 343
37276 005 LAB, 10:00am-12:50pm T, Chem 316, 5 cr
006 DIS, 01:00pm-01:50pm Th, Chem 155
37278 007 LAB, 06:00pm-08:50pm T, Chem 316, 5 cr
008 DIS, 12:00pm-12:50pm Th, MWAH 191
37541 009 LAB, 06:00pm-08:50pm W, Chem 316, 5 cr
010 DIS, 12:00pm-12:50pm Th, Cina 214
37543 011 LAB, 09:00am-11:50am Th, Chem 316, 5 cr
- 1161 Honors Course: General Chemistry I**
(A-F only; prereq Credit will not be granted if credit received for 1113, 1151, 2172.; high school chem or department consent; meets HON req of Honors; meets LE req of LE CAT4)
001 LEC, 10:00am-10:50am MTWF, Chem 150
002 DIS, 09:00am-09:50am Th, BohH 343
36507 003 LAB, 02:00pm-04:50pm M, Chem 320, 5 cr
004 DIS, 08:00am-08:50am Th, LSci 160
36509 005 LAB, 02:00pm-04:50pm T, Chem 320, 5 cr
006 DIS, 08:00am-08:50am Th, LSci 170
36511 007 LAB, 10:00am-12:50pm Th, Chem 320, 5 cr
008 DIS, 09:00am-09:50am Th, Room TBA, DULUTH
37929 009 LAB, 02:00pm-04:50pm Th, Chem 320, 5 cr

1191 Independent Study (max crs 4; 4 repeats allowed; A-F only; prereq Department consent)	4434 Inorganic Chemistry (A-F only; prereq 4632 or 4642)	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))
36597 001 IND, 1-2 cr	36850 001 LEC, 11:00am-11:50am MTWF, Chem 251; Kiprof, Paul, 4 cr	37219 001 THE, 1-18 cr
2222 Quantitative Analysis (A-F only; prereq 1152 or 1162)	4435 Inorganic Chemistry Laboratory (A-F only; prereq Concurrent registration required (or allowed) in Chem 4434.)	8888 Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
36527 001 LEC, 10:00am-10:50am MWF, LSci 175; Evans, John F, 3 cr	37550 001 LAB, 08:00am-10:50am T, Chem 347; Kiprof, Paul, 1 cr	37238 001 THE, 1-24 cr
2223 Quantitative Analysis Laboratory (A-F only; prereq Concurrent registration required (or allowed) in Chem 2222.)	37935 002 LAB, 02:00pm-04:50pm T, Chem 347; Kiprof, Paul, 1 cr	
37544 001 LAB, 02:00pm-04:50pm M, Chem 232; Evans, John F, 1 cr	4632 Physical Chemistry (A-F only; prereq 2522 or instructor consent, Math 1297, Phys 1204)	
37545 002 LAB, 09:00am-11:50am T, Chem 232; Evans, John F, 1 cr	36584 001 LEC, 10:00am-10:50am MTWF, Chem 251; Tsai, Bilin Paula, 4 cr	
37546 003 LAB, 02:00pm-04:50pm T, Chem 232; Evans, John F, 1 cr	4633 Physical Chemistry Laboratory (A-F only; prereq Concurrent registration is required (or allowed) in Chem 4632)	
37547 004 LAB, 02:00pm-04:50pm W, Chem 232; Evans, John F, 1 cr	37551 001 LAB, 02:00pm-04:50pm M, Chem 342; Tsai, Bilin Paula, 1 cr	
37548 005 LAB, 09:00am-11:50am Th, Chem 232; Evans, John F, 1 cr	37552 002 LAB, 02:00pm-04:50pm T, Chem 342; Tsai, Bilin Paula, 1 cr	
37930 006 LAB, 03:00pm-05:50pm Th, Chem 232; Evans, John F, 1 cr	37932 003 LAB, 09:00am-11:50am Th, Chem 342; Tsai, Bilin Paula, 1 cr	
2521 Organic Chemistry I (A-F only; prereq 1152 or 1162)	4641 Physical Chemistry I (A-F only; prereq 2 yrs chem, Math 3280, Phys 1204; concurrent registration is required (or allowed) in 4643.)	
001 LEC, 01:00pm-01:50pm MWF, Chem 200; Carlson, Robert M	36594 001 LEC, 08:00am-08:50am MWF, Chem 150; Siders, Paul D, 3 cr	
36674 002 LAB, 02:30pm-04:20pm M, Chem 206, 4 cr	4643 Physical Chemistry Laboratory I (A-F only; prereq Concurrent registration is required (or allowed) in Chem 4641.)	
36675 003 LAB, 02:30pm-04:20pm M, Chem 206, 4 cr	37553 001 LAB, 09:00am-11:50am T, Chem 342; Siders, Paul D, 1 cr	
36676 004 LAB, 09:00am-10:50am T, Chem 206, 4 cr	37554 002 LAB, 02:00pm-04:50pm W, Chem 342; Siders, Paul D, 1 cr	
36677 005 LAB, 09:00am-10:50am T, Chem 206, 4 cr	37934 003 LAB, 02:00pm-04:50pm Th, Chem 342; Siders, Paul D, 1 cr	
36678 006 LAB, 02:30pm-04:20pm T, Chem 206, 4 cr	38309 004 LAB, 02:00pm-04:50pm F, Chem 342; Siders, Paul D, 1 cr	
36679 007 LAB, 02:30pm-04:20pm T, Chem 206, 4 cr	5764 Thermodynamics and Kinetics (A-F only; prereq Grad student or instructor consent)	
36680 008 LAB, 02:30pm-04:20pm W, Chem 206, 4 cr	36616 001 LEC, 07:30am-08:45am TTh, Chem 153; Siders, Paul D; Giulivi, Cecilia, 3 cr	
36681 009 LAB, 09:00am-10:50am Th, Chem 206, 4 cr	5774 Structure and Bonding (A-F only; prereq Grad student or instructor consent)	
36682 010 LAB, 09:00am-10:50am Th, Chem 206, 4 cr	36611 001 LEC, 08:00am-09:50am M, Room TBA, DULUTH, 07:00am-07:50am WF, Room TBA, DULUTH; Tsai, Bilin Paula; Kiprof, Paul, 4 cr	
36683 011 LAB, 12:00pm-01:50pm 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)	
36684 012 LAB, 12:00pm-01:50pm Th, Chem 206, 4 cr	38478 001 DRS, 1-3 cr	
37421 013 LAB, 02:30pm-04:20pm Th, Chem 206, 4 cr	8184 Seminar (S-N only; prereq Grad chem major or instructor consent)	
37809 014 LAB, 02:30pm-04:20pm Th, Chem 206, 4 cr	36621 001 SEM, 03:00pm-04:05pm F, Chem 150; Poe, Donald Patrick, 1 cr	
2522 Organic Chemistry II (max crs 5; A-F only; prereq 2521)	8333 FTE: Master's (NGA; prereq Masters student, adviser and DGS consent)	
001 LEC, 11:00am-11:50am MWF, Chem 150; Zhdankin, Viktor	37188 001 DRS, 1 cr	
37280 002 LAB, 12:00pm-01:50pm T, Chem 206, 4-5 cr	8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)	
37931 003 LAB, 12:00pm-01:50pm W, Chem 206, 4-5 cr	37199 001 DRS, 1 cr	
37549 004 LAB, 02:30pm-04:20pm W, Chem 206, 4-5 cr	8524 Advanced Organic Chemistry (A-F only; prereq 5754, 5764)	
3184 Undergraduate Seminar (max crs 2; S-N only; prereq BS chem or biochem/molecular biol majors)	37284 001 LEC; Zhdankin, Viktor, 4 cr	
36525 001 SEM, 02:00pm-02:50pm F, Chem 155, 03:00pm-04:05pm F, Chem 150; Markuszewski, Richard; Poe, Donald Patrick, 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 exam)	
3194 Undergraduate Research (max crs 30; 6 repeats allowed; S-N only; prereq Department consent)	37208 001 THE, 1-18 cr	
36601 001 IND, 1-3 cr	8750 Special Topics in Chemistry (max crs 8; 8 repeats allowed; prereq Grad student or instructor consent)	
4342 Molecular Biology (A-F only; prereq 4341, Math 1296; Physical Chem recommended)	36804 001 LEC, 1-4 cr	
37281 001 LEC, 09:00am-09:50am MTWF, Chem 150; Chang, Leng Chee, 4 cr		
4364 Molecular Biology Laboratory (A-F only; prereq 4342 concurrent registration is allowed for 4342, 4363)		
37282 001 LAB, 01:00pm-04:50pm W, MWAH 55; Chang, Leng Chee, 2 cr		
37283 002 LAB, 09:00am-12:50pm Th, MWAH 55; Chang, Leng Chee, 2 cr		

COACHING CERTIFICATION (CC)**College of Education & Human Service Professions****3100 Sports Science for Coaches**
(A-F only; prereq Coaching minor, not open to pe or ex sci majors)

36796 001 LEC, 08:00am-09:15am TTh, SpHC 212, 2 cr

3116 Care and Prevention of Sport Injuries

(A-F only; prereq Coaching minor or PE pre-major or candidate or instructor consent)

36726 001 LEC, 09:30am-10:45am TTh, SpHC 21; Fleissner, Elizabeth A, 3 cr

3150 Coaching Methods

(A-F only; prereq Coaching minor or instructor consent)

36622 001 LEC, 10:00am-10:50am MW, SpHC 210, 10:00am-10:50am MW, SpHC 150; Knapp, Jim Leroy, 2 cr

3160 Psychological Aspects of Coaching

(A-F only; prereq Coaching minor or instructor consent)

36708 001 LEC, 2 cr

3161 Administrative Aspects of Coaching

(A-F only; prereq Coaching minor or instructor consent)

36085 001 LEC, 12:00pm-12:50pm TTh, SpHC 207; Fleissner, Elizabeth A, 2 cr

3170 Coaching and Officiating Football

(A-F only; prereq Coaching minor or instructor consent)

37147 001 LEC, 2 cr

3171 Coaching and Officiating Basketball

(A-F only; prereq Coaching minor or instructor consent)

37120 001 LEC, 06:00pm-07:50pm Th, SpHC 212; Holquist, Gary W, 2 cr

3172 Coaching and Officiating Volleyball

(A-F only; prereq Coaching minor or instructor consent)

37490 001 LEC, 2 cr

3173 Coaching and Officiating Baseball

(A-F only; prereq Coaching minor or instructor consent)

38201 001 LEC, 2 cr

3175 Coaching and Officiating Ice Hockey

(A-F only; prereq Coaching minor or instructor consent)

37121 001 LEC, 06:00pm-07:50pm W, SpHC 210; Kulyk, Glenn William, 2 cr

3991 Independent Study

(A-F only; prereq Coaching minor and instructor consent)

36825 001 IND; Collins, Donald T, 2 cr

3997 Coaching Practicum

(S-N only; prereq 18 cr in coaching minor and instructor consent)

36234 001 PRC; Collins, Donald T, 1 cr

COLLEGE OF LIBERAL ARTS (CLA)**College of Liberal Arts****1001 Learning Community Integrative Seminar**

(max crs 2; S-N only; prereq Freshman, fewer than 30 cr, college consent)

38149 001 SEM, 01:00pm-01:50pm TTh, MonH 206; 30 seats reserved for Learning Community F04; Hannah, Eleanor L, 1 cr

38150	002 SEM, 11:00am-11:50am TTh, Cina 214; 30 seats reserved for Learning Community F04; Digby, Drew, 1 cr	38151	003 SEM, 03:00pm-03:50pm MW, HH 306; 30 seats reserved for Learning Community F04; Pedersen, Paula Jean, 1 cr	38152	004 SEM, 03:00pm-03:50pm MW, Cina 202; 30 seats reserved for Learning Community F04, 1 cr	38153	005 SEM, 01:00pm-01:50pm TTh, SpHC 207; 30 seats reserved for Learning Community F04; Arthur, John A, 1 cr	38154	006 SEM, 11:00am-11:50am TTh, ABAH 225; 30 seats reserved for Learning Community F04, 1 cr	38155	007 SEM, 03:00pm-03:50pm MW, KPlz 312; 25 seats reserved for Learning Community F04; Kuhlke, Olaf, 1 cr	38156	008 SEM, 01:00pm-01:50pm TTh, Cina 102; 30 seats reserved for Learning Community F04; Hamlin, John E, 1 cr	38157	009 SEM, 12:00pm-12:50pm TTh, MonH 108; 30 seats reserved for Learning Community F04; Emad, Mitra C, 1 cr	38158	010 SEM, 12:00pm-12:50pm MW, Cina 214; 30 seats reserved for Learning Community F04; Schwetman, John David, 1 cr	38159	011 SEM, 12:00pm-12:50pm TTh, Engr 290; 30 seats reserved for Learning Community F04; Mork, Bruce, 1 cr	1222	Interpersonal Communication (A-F only; meets LECD req of LECD CAT3)	36217	001 LEC, 08:00am-08:50am MWF, ABAH 445; 8 seats reserved for Learning Community F04; 1 seat reserved for Continuing education, 3 cr	36218	002 LEC, 10:00am-10:50am MWF, ABAH 425; 8 seats reserved for Learning Community F04, 3 cr	36219	003 LEC, 12:00pm-12:50pm MWF, ABAH 425; 8 seats reserved for Learning Community F04, 3 cr	36220	004 LEC, 02:00pm-02:50pm MWF, ABAH 445; 8 seats reserved for Learning Community F04, 3 cr	36221	005 LEC, 03:00pm-03:50pm MWF, ABAH 445; 8 seats reserved for Learning Community F04, 3 cr	36854	006 LEC, 03:00pm-05:30pm W, ABAH 425; 8 seats reserved for Learning Community F04, 3 cr	36855	007 LEC, 04:00pm-05:15pm MW, ABAH 445; 8 seats reserved for Learning Community F04, 3 cr	37096	008 LEC, 08:00am-09:15am TTh, ABAH 425; 8 seats reserved for Learning Community F04; 1 seat reserved for Continuing education, 3 cr	37098	009 LEC, 04:30pm-05:45pm TTh, ABAH 425; 16 seats reserved for Learning Community F04, 3 cr	37150	010 LEC, 04:30pm-05:45pm TTh, ABAH 445, 3 cr	37249	011 LEC, 06:00pm-08:30pm Th, ABAH 425; 1 seat reserved for Continuing education, 3 cr	37424	012 LEC, 06:00pm-08:30pm M, ABAH 445; 1 seat reserved for Continuing education, 3 cr	40326	013 LEC, 06:00pm-08:30pm W, ABAH 425; 1 seat reserved for Continuing education, 3 cr	37842	010 LEC, 06:00pm-08:30pm T, ABAH 425; 8 seats reserved for Continuing education, 3 cr	1500	Media and Society (A-F only; meets LE req of LE CAT8)	39497	090 LEC, 06:00pm-08:30pm W, MonH 80; 50 seats reserved for Continuing education; Nelson, Elizabeth Jean, 3 cr	2101	Foundations of Mass Communication (A-F only; meets LE req of LE CAT8)	37660	001 LEC, 01:00pm-01:50pm MWF, ABAH 425; Petersen-Perlman, Deborah Susan, 3 cr	2929	Intercultural Communication (meets LEIP req of LEIP CAT6)	36223	001 LEC, 06:00pm-09:40pm Th, ABAH 445; 1 seat reserved for Continuing education; Sunnafrank, Michael J, 4 cr	3115	Persuasion and Argumentation in Public Speaking (A-F only; prereq 1112, 2505)	36224	001 LEC, 11:00am-12:40pm MW, ABAH 435; Nelson, Elizabeth Jean, 4 cr	3116	Professional Communication (A-F only; prereq 1112, 2505)	36227	001 LEC, 11:00am-12:40pm TTh, ABAH 425, 4 cr	38071	002 LEC, 08:00am-09:15am MWF, ABAH 425, 4 cr	3200	Interpersonal Communication Theory (A-F only; prereq 1000 or 1222)	37062	001 LEC, 03:30pm-04:45pm TTh, BohH 346; Goei, Ryan Christopher, 3 cr	3205	Relationship Communication (A-F only; prereq 1222)	37422	001 LEC, 11:00am-12:15pm TTh, ABAH 445; Lewis, Geri Lee, 3 cr	37423	002 LEC, 12:30pm-01:45pm TTh, ABAH 445; Lewis, Geri Lee, 3 cr	3210	Group Communication (A-F only; prereq 30 cr or instructor consent)	38073	001 LEC, 02:00pm-02:50pm MW, ABAH 425, 02:00pm-03:50pm F, ABAH 425; Pepper, Jerry, 4 cr	38074	002 LEC, 01:00pm-02:40pm TTh, ABAH 425, 4 cr	3215	Conflict Management (A-F only; prereq 30 cr or instructor consent)	39499	001 LEC, 12:00pm-12:50pm MWF, ABAH 445, 3 cr	39500	002 LEC, 09:30am-10:45am TTh, ABAH 435, 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)	37745	001 LEC, 01:00pm-01:50pm MWF, ABAH 445; Pepper, Jerry, 3 cr	3300	Teaching Assistants 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)	36232	001 LAB; Nelson, Elizabeth Jean, 1-3 cr	3390	Special Topics: (Various Titles to be Assigned) (max crs 6; A-F only)	38096	001 LEC, 10:00am-10:50am MWF, ABAH 445, 3 cr	3395	Special Topics: (Various Titles to be Assigned) (max crs 6; A-F only)	39453	001 LEC, 09:00am-09:50am MWF, ABAH 445, 3 cr	38077	090 LEC, 06:00pm-08:30pm M, ABAH 425; Petersen-Perlman, Deborah Susan, 3 cr; T: Deciding What's News	3500	Principles of Persuasion (A-F only; prereq Soc Sci course or instructor consent)	37661	001 LEC, 02:00pm-03:15pm TTh, ABAH 445; Goei, Ryan Christopher, 3 cr	39418	002 LEC, 11:00am-11:50am MWF, ABAH 445, 3 cr	3505	Media Communications (A-F only; prereq Comp 1120)	38078	001 LEC, 02:00pm-02:50pm MWF, ABAH 435; Petersen-Perlman, Deborah Susan, 3 cr	4200	Communication in Organizations (A-F only; prereq 60 cr or instructor consent)	36230	090 LEC, 06:00pm-09:40pm W, ABAH 445; 10 seats reserved for Continuing education, 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)	37410	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)	36231	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)	37411	001 DST; Nelson, Elizabeth Jean, 1-3 cr	5300	Teaching Methods in Communication (S-N only; prereq 79 cr or Grad or instructor consent)	37499	001 LEC, 03:00pm-05:30pm M, ABAH 425; Pepper, Jerry, 3 cr
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COMMUNICATION (Comm) College of Liberal Arts

1000 Human Communication Theory

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

36209 090 LEC, 06:00pm-08:30pm T, BohH 90; 24 seats reserved for Learning Community F04; 60 seats reserved for Continuing education; Sunnafrank, Michael J, 3 cr

1112 Public Speaking

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

37658 001 LEC, 08:00am-08:50am MWF, ABAH 435; 4 seats reserved for Learning Community F04; 1 seat reserved for Continuing education, 3 cr

37659 002 LEC, 09:00am-09:50am MWF, ABAH 435; 4 seats reserved for Learning Community F04, 3 cr

36212 003 LEC, 10:00am-10:50am MWF, ABAH 435; 4 seats reserved for Learning Community F04, 3 cr

36213 004 LEC, 11:00am-11:50am MWF, ABAH 425; 4 seats reserved for Learning Community F04, 3 cr

36214 005 LEC, 01:00pm-01:50pm MWF, ABAH 435; 4 seats reserved for Learning Community F04, 3 cr

36215 006 LEC, 03:00pm-03:50pm MWF, ABAH 435; 4 seats reserved for Learning Community F04, 3 cr

36216 007 LEC, 04:00pm-04:50pm MWF, ABAH 435; 4 seats reserved for Learning Community F04, 3 cr

36851 008 LEC, 08:00am-09:15am TTh, ABAH 435; 4 seats reserved for Learning Community F04; 1 seat reserved for Continuing education, 3 cr

36852 009 LEC, 09:30am-10:45am TTh, ABAH 425; 4 seats reserved for Learning Community F04, 3 cr

37250 010 LEC, 11:00am-12:15pm TTh, ABAH 435; 4 seats reserved for Learning Community F04, 3 cr

37095 011 LEC, 12:30pm-01:45pm TTh, ABAH 435; 4 seats reserved for Learning Community F04, 3 cr

37149 012 LEC, 03:00pm-04:15pm TTh, ABAH 425; 8 seats reserved for Learning Community F04, 3 cr

36853 013 LEC, 03:00pm-04:15pm TTh, ABAH 435, 3 cr

37251 014 LEC, 04:30pm-05:45pm TTh, ABAH 435; 4 seats reserved for Learning Community F04, 3 cr

37252 015 LEC, 06:00pm-08:30pm T, ABAH 435; 1 seat reserved for Continuing education, 3 cr

37253 016 LEC, 06:00pm-08:30pm W, ABAH 435; 1 seat reserved for Continuing education, 3 cr

37841 090 LEC, 06:00pm-08:30pm M, ABAH 435; 6 seats reserved for Continuing education, 3 cr

COMMUNICATION SCIENCES AND DISORDERS (CSD) College of Education & Human Service Professions

2001 American Sign Language Studies I

(meets LECD req of LECD CAT3)

37648 001 LEC, 09:00am-09:50am MWF, MonH 206; Marciniak, Monica Kathryn, 3 cr

37649 002 LEC, 10:00am-10:50am MWF, MonH 206; Marciniak, Monica Kathryn, 3 cr

37834 003 LEC, 06:00pm-08:30pm M, MonH 208; Weidman, Amy J, 3 cr

39431 004 LEC, 06:00pm-08:30pm W, MonH 206; Weidman, Amy J, 3 cr

36613 090 LEC, 06:00pm-08:30pm T, MonH 206; 6 seats reserved for Continuing education; Weidman, Amy J, 3 cr

36614	091 LEC, 06:00pm-08:30pm Th, MonH 206; 6 seats reserved for Continuing education; Weidman, Amy J, 3 cr				
2230	Human Communication Disorders (max crs 4; meets LECD req of LECD CAT8)				
37969	001 LEC, 10:00am-10:50am MWF, Cina 308; Komarek, Rachel Ann; Mizuko, Mark I; Levar, La Vonne; Loven, Faith C; Meredith PhD, Amy E.; Brorson, Kent R; Spillers, Cindy S, 3 cr				
3103	Anatomy of Speech and Hearing Mechanisms (A-F only; prereq CSD major or instructor consent)				
35978	001 LEC, 10:00am-11:25am TTh, MonH 30; Loven, Faith C; Meredith PhD, Amy E., 3 cr				
3130	Language Development and Disorders (A-F only; prereq CSD major or instructor consent)				
35897	001 LEC, 10:00am-11:50am TTh, MonH 206; Brorson, Kent R, 4 cr				
3131	Language Development (A-F only; prereq CSD major or instructor consent)				
37970	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 or concurrently, CSD major or instructor consent)				
37971	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, 3100, CSD major or instructor consent)				
36917	001 LEC, 11:00am-11:50am MWF, MonH 30; Spillers, Cindy S, 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)				
37972	001 LEC, 02:00pm-02:50pm MW, MonH 30; Levar, La Vonne, 2 cr				
4197	Clinical Practicum in Communication Disorders (A-F only; prereq 1100, 2230, 3130, 3150, 3160, 3131, 3200, 3232, 3241, 4010, CSD candidate, C grade or better in 3241, no Grad School credit)				
36788	001 PRC, 12:00pm-12:50pm F, MonH 30; Levar, La Vonne; 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 3105, CSD candidate or instructor consent)				
35979	001 LEC, 02:00pm-03:25pm TTh, MonH 208; Loven, Faith C, 3 cr				
5003	American Sign Language Studies III (prereq 2002 or instructor consent; no Grad School credit)				
39434	001 LEC, 01:00pm-01:50pm MWF, BohH 104; Diener, Nancy McFarlin, 3 cr				
37079	090 LEC, 06:00pm-08:30pm T, MonH 208; 6 seats reserved for Continuing education; Diener, Nancy McFarlin, 3 cr				
5005	American Sign Language V (A-F only; prereq 5004 or instructor consent; no Grad School credit)				
37622	090 LEC, 06:00pm-08:30pm M, MonH 206; 6 seats reserved for Continuing education; Langdon-Larson, Joanne, 3 cr				
5091	Independent Study (max crs 6; 6 repeats allowed; prereq Sr or grad student in CSD or SpEd, department consent)				
36731	001 IND; Komarek, Rachel Ann; Mizuko, Mark I; Loven, Faith C; Spillers, Cindy S; Brorson, Kent R; Meredith PhD, Amy E.; Levar, La Vonne, 1-3 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)				
35980	001 PRC, 12:00pm-12:50pm F, MonH 30; Levar, La Vonne; Komarek, Rachel Ann; Olson, Jana D; John, Lynda Barker; Spillers, Cindy S; Mizuko, Mark I; Brorson, Kent R; Meredith PhD, Amy E., 1-3 cr				
8200	Voice Disorders (prereq CSD grad student or instructor consent)				
39471	001 LEC, 02:00pm-03:50pm TTh, MonH 30; Spillers, Cindy S; Komarek, Rachel Ann, 4 cr				
8230	Neurogenic Language Disorders (prereq 3103 or equiv, CSD grad student or instructor consent)				
37484	001 LEC, 09:30am-10:45am TTh, Cina 316; Mizuko, Mark I, 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)				
35981	001 PRC; Loven, Faith C, 1-2 cr				
COMPOSITION (Comp)					
College of Liberal Arts					
1005	Freshman Seminar: Cyber Theory and Practice (A-F only; prereq Freshman, fewer than 30 cr.; meets LE req of LE CAT7)				
39570	001 SEM, 3 cr				
1007	Freshman Seminar: The Rhetoric of Popular Culture (A-F only; prereq Freshman, fewer than 30 credits; meets LE req of LE CAT8)				
39571	001 SEM, 3 cr				
1015	Freshman Seminar: Honors, Cyber Theory and Practice (A-F only; prereq College consent, freshman, fewer than 30 cr, or will not be granted if cr received for 1005; meets HON req of Honors; meets LE req of LE CAT7)				
41494	001 SEM, 01:00pm-01:50pm MWF, H 458, 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)				
38165	001 SEM, 12:30pm-01:45pm Th, KPlz 312, 12:30pm-01:45pm T, SCC 42; Maurer, Kate, 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)				
35819	001 LEC, 08:00am-08:50am MF, Cina 224 002 LAB, 08:00am-08:50am W, KPlz 143, 3 cr 003 LEC, 08:00am-08:50am MF, BohH 104; Jenson, Jill Diane				
35821	004 LAB, 08:00am-08:50am W, H 470; Jenson, Jill Diane, 3 cr 005 LEC, 08:00am-09:15am T, LSci 160				
35823	006 LAB, 08:00am-09:15am Th, H 470, 3 cr 007 LEC, 08:00am-09:15am T, BohH 104; Bowman, June S				
35825	008 LAB, 08:00am-09:15am Th, Engr 204; Bowman, June S, 3 cr 009 LEC, 08:00am-08:50am WF, H 458; Derrick, Jennifer Todd				
35827	010 LAB, 08:00am-08:50am M, H 470; Derrick, Jennifer Todd, 3 cr 011 LEC, 08:00am-09:15am T, Cina 224; Anderson, Heidi Rochelle				
35829	012 LAB, 08:00am-09:15am Th, SCC 42; Anderson, Heidi Rochelle, 3 cr 013 LEC, 02:00pm-03:15pm T, MonH 206; Bowman, June S				
35831	014 LAB, 02:00pm-03:15pm Th, H 470; Bowman, June S, 3 cr 015 LEC, 12:30pm-01:45pm T, Cina 224; Lynch, Mike				
35833	016 LAB, 12:30pm-01:45pm Th, H 470; Lynch, Mike, 3 cr 017 LEC, 02:00pm-03:15pm Th, SpHC 208; Perala-Dewey, Susan Marie				
35835	018 LAB, 02:00pm-03:15pm T, H 470; Perala-Dewey, Susan Marie, 3 cr 019 LEC, 10:00am-10:50am MF, Chem 155; Godsey, Christopher M				
35837	020 LAB, 10:00am-10:50am W, H 470; Godsey, Christopher M, 3 cr 021 LEC, 10:00am-10:50am MW, BohH 112; Mackiewicz, Jo M				
35839	022 LAB, 10:00am-10:50am F, H 470; 28 seats reserved for Learning Community F04; Mackiewicz, Jo M, 3 cr 023 LEC, 10:00am-10:50am WF, BohH 346; Hewitson, James				
35841	024 LAB, 10:00am-10:50am M, H 470; Hewitson, James, 3 cr 025 LEC, 11:00am-11:50am MF, Cina 308; La Jeunesse, Thomas A				
35843	026 LAB, 11:00am-11:50am W, H 470; 28 seats reserved for Learning Community F04; La Jeunesse, Thomas A, 3 cr 027 LEC, 11:00am-11:50am MW, BohH 104; Anderson, Heidi Rochelle				
35845	028 LAB, 11:00am-11:50am F, H 470; 28 seats reserved for Learning Community F04; Anderson, Heidi Rochelle, 3 cr 029 LEC, 11:00am-11:50am WF, BohH 346; Jacobs, Sharon Helene				
35847	030 LAB, 11:00am-11:50am M, H 470; 28 seats reserved for Learning Community F04; Jacobs, Sharon Helene, 3 cr 031 LEC, 11:00am-12:15pm T, Cina 224; Risdon, Kenneth C				
35848	032 LAB, 11:00am-12:15pm Th, H 470; Risdon, Kenneth C, 3 cr 033 LEC, 12:00pm-12:50pm MW, Cina 102; Hoffmann, Brandy Lee				
35850	034 LAB, 12:00pm-12:50pm F, H 470; 28 seats reserved for Learning Community F04; Hoffmann, Brandy Lee, 3 cr 035 LEC, 12:00pm-12:50pm MF, Chem 155; La Jeunesse, Thomas A				
35852	036 LAB, 12:00pm-12:50pm W, H 470; La Jeunesse, Thomas A, 3 cr 037 LEC, 12:00pm-12:50pm WF, Engr 280; Godsey, Christopher M				
35854	038 LAB, 12:00pm-12:50pm M, H 470; 28 seats reserved for Learning Community F04; Godsey, Christopher M, 3 cr 039 LEC, 12:30pm-01:45pm T, H 468; Morrison, Dorothy L				
35856	040 LAB, 12:30pm-01:45pm Th, Engr 204; 23 seats reserved for Learning Community F04; Morrison, Dorothy L, 3 cr 041 LEC, 12:30pm-01:45pm Th, BohH 104; Anderson, Heidi Rochelle				
35858	042 LAB, 12:30pm-01:45pm T, H 470; 28 seats reserved for Learning Community F04; Anderson, Heidi Rochelle, 3 cr 043 LEC, 09:30am-10:45am T, H 458; Morrison, Dorothy L				
35860	044 LAB, 09:30am-10:45am Th, H 470; Morrison, Dorothy L, 3 cr 045 LEC, 09:30am-10:45am Th, BohH 104; Perala-Dewey, Susan Marie				
35862	046 LAB, 09:30am-10:45am T, H 470; Perala-Dewey, Susan Marie, 3 cr 047 LEC, 02:00pm-02:50pm MF, Cina 106; Bowman, June S				
36857	048 LAB, 02:00pm-02:50pm W, H 470; Bowman, June S, 3 cr 049 LEC, 02:00pm-02:50pm MW, BohH 346; Kepler, Kelley N				
37369	050 LAB, 02:00pm-02:50pm F, H 470; Kepler, Kelley N, 3 cr 051 LEC, 02:00pm-02:50pm WF, MonH 206; Steele, Melanie Margaret				
37094	052 LAB, 02:00pm-02:50pm M, H 470; Steele, Melanie Margaret, 3 cr 053 LEC, 02:00pm-02:50pm MF, SpHC 210; Spartz, John Michael				
37101	054 LAB, 02:00pm-02:50pm W, KPlz 143; Spartz, John Michael, 3 cr 055 LEC, 02:00pm-03:15pm T, BohH 104; Morrison, Dorothy L				
37110	056 LAB, 02:00pm-03:15pm Th, Room TBA, DULUTH; Morrison, Dorothy L, 3 cr 057 LEC, 03:00pm-04:15pm M, H 458; Derrick, Jennifer Todd				
37112	058 LAB, 03:00pm-04:15pm W, H 470; Derrick, Jennifer Todd, 3 cr				

059 LEC, 03:30pm-04:45pm T, Cina 224; Sozansky, Martha Ann	37500 003 LEC, 03:30pm-04:45pm Th, Cina 224, 03:30pm-04:45pm T, H 470; Morrison, Dorothy L, 3 cr	6121 Introduction to Programming in Visual BASIC (A-F only; prereq 1 yr high school algebra or instructor consent; meets LE req of LE CAT3)
37119 060 LAB, 03:30pm-04:45pm Th, H 470; Sozansky, Martha Ann, 3 cr	37733 004 LEC, 09:30am-10:45am TTh, MWAH 191; La Jeunesse, Thomas A, 3 cr	001 LEC, 01:00pm-01:50pm TTh, MWAH 195; Allert, James Donald
061 LEC, 09:00am-09:50am MW, BohH 104; Redman, Neal Thomas	37613 200 INI; (Individualized Instruction; Instructor consent required); Cosgrove, Robin Kristie, 3 cr	36354 002 LAB, 10:00am-10:50am M, MWAH 177; Allert, James Donald, 3 cr
37371 062 LAB, 09:00am-09:50am F, H 470; Redman, Neal Thomas, 3 cr	3160 Advanced Writing: Social Sciences (A-F only; prereq 1120, 60 cr)	37606 003 LAB, 11:00am-11:50am M, MWAH 177; Allert, James Donald, 3 cr
063 LEC, 01:00pm-01:50pm MW, BohH 346; Lynch, Mike	35873 001 LEC, 08:00am-09:15am T, H 470, 08:00am-09:15am Th, BohH 104, 3 cr	37800 004 LAB, 12:00pm-12:50pm M, MWAH 177; Allert, James Donald, 3 cr
37373 064 LAB, 01:00pm-01:50pm F, H 470; 28 seats reserved for Learning Community F04; Lynch, Mike, 3 cr	35874 003 LEC, 02:00pm-03:15pm TTh, Room TBA, DULUTH; Cosgrove, Robin Kristie, 3 cr	37936 005 LAB, 01:00pm-01:50pm M, MWAH 177; Allert, James Donald, 3 cr
065 LEC, 08:00am-08:50am MF, MonH 208	35875 004 LEC, 03:00pm-04:15pm MW, HH 216; Cosgrove, Robin Kristie, 3 cr	6151 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)
38290 066 LAB, 08:00am-08:50am W, Room TBA, DULUTH, 3 cr	35876 005 LEC, 02:00pm-02:50pm MWF, H 458; Godsey, Christopher M, 3 cr	001 LEC, 08:00am-08:50am MWF, Chem 200; Allert, James Donald
067 LEC, 12:00pm-12:50pm MF, H 464; Derrick, Jennifer Todd	35877 200 INI; (Individualized Instruction; Instructor consent required); La Jeunesse, Thomas A, 3 cr	002 DIS, 08:00am-08:50am Th, HH 306; Allert, James Donald
38292 068 LAB, 12:00pm-12:50pm W, Engr 204; 28 seats reserved for Learning Community F04; Derrick, Jennifer Todd, 3 cr	5197 Internship in Writing (max crs 3; 3 repeats allowed; A-F only; prereq Instructor consent)	36905 003 LAB, 08:00am-08:50am T, MWAH 177; Allert, James Donald, 5 cr
069 LEC, 01:00pm-01:50pm MF, H 468; Derrick, Jennifer Todd	35878 001 IEX; Risdon, Kenneth C, 1-3 cr	004 DIS, 09:00am-09:50am Th, HH 306; Allert, James Donald
38294 070 LAB, 01:00pm-01:50pm W, H 470; 28 seats reserved for Learning Community F04; Derrick, Jennifer Todd, 3 cr	5220 Document Design and Graphics (max crs 6; A-F only; prereq 1120, 60 cr; max 3 cr may be applied to Grad School program)	36369 005 LAB, 09:00am-09:50am T, MWAH 177; Allert, James Donald, 5 cr
090 LEC, 06:00pm-07:15pm T, H 464; 7 seats reserved for Continuing education; Lynch, Mike	37084 001 LAB, 3 cr	006 DIS, 10:00am-10:50am Th, HH 306; Allert, James Donald
37617 091 LAB, 06:00pm-07:15pm Th, H 470; 7 seats reserved for Continuing education; Lynch, Mike, 3 cr	5230 Web Design and Digital Culture (A-F only; prereq 60 cr or Grad or instructor consent)	36370 007 LAB, 10:00am-10:50am T, MWAH 177; Allert, James Donald, 5 cr
092 LEC, 06:00pm-07:15pm M, BohH 108; 7 seats reserved for Continuing education; Steneman, Heather Miernicki	37795 001 LAB, 06:00pm-08:30pm T, SCC 42; Wittig, Rob, 3 cr	008 DIS, 11:00am-11:50am Th, HH 306; Allert, James Donald
37619 093 LAB, 06:00pm-07:15pm W, H 470; 7 seats reserved for Continuing education; Steneman, Heather Miernicki, 3 cr	43372 002 LAB, 02:00pm-03:15pm TTh, SCC 42; Stroupe, Craig, 3 cr	36371 009 LAB, 11:00am-11:50am T, MWAH 177; Allert, James Donald, 5 cr
3100 Advanced Writing: Language and Literature (A-F only; prereq 1120, 60 cr)	5250 New Media Writing (A-F only)	010 DIS, 12:00pm-12:50pm Th, HH 306; Allert, James Donald
39457 001 LEC, 12:00pm-12:50pm MWF, HH 302, 3 cr	43373 001 LEC, 09:30am-10:45am TTh, SCC 42; Stroupe, Craig, 3 cr	36372 011 LAB, 12:00pm-12:50pm T, MWAH 177; Allert, James Donald, 5 cr
3110 Advanced Writing: Arts and Letters (A-F only; prereq 1120, 60 cr)	5591 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Max 3 cr may be applied to Grad School program, instructor consent)	012 DIS, 01:00pm-01:50pm Th, HH 306; Allert, James Donald
35864 001 LEC, 12:00pm-12:50pm MWF, HH 216; Bowman, June S, 3 cr	35879 001 IND; Risdon, Kenneth C, 1-3 cr	36373 013 LAB, 01:00pm-01:50pm T, MWAH 177; Allert, James Donald, 5 cr
35865 002 LEC, 09:30am-10:45am TTh, Room TBA, DULUTH; Maurer, Kate, 3 cr	5595 Special Topics: (Various Titles to be Assigned) (max crs 6; 6 repeats allowed; A-F only; prereq 60 cr)	014 DIS, 02:00pm-02:50pm Th, HH 306; Allert, James Donald
35866 200 INI; (Individualized Instruction; Instructor consent required); Maurer, Kate, 3 cr	43376 001 LEC, 03:30pm-04:45pm TTh, Room TBA, DULUTH; Farrell, Thomas James, 1-3 cr	36374 015 LAB, 02:00pm-02:50pm T, MWAH 177; Allert, James Donald, 5 cr
3121 Advanced Writing: Business and Organizations (A-F only; prereq 1120, 60 cr)	8902 Teaching College Composition (A-F only; prereq Required for tchg assts in comp and Engl depts, instructor consent)	016 DIS, 08:00am-08:50am T, HH 306; Allert, James Donald
36028 001 LEC, 03:30pm-04:30pm TTh, BohH 104; Steneman, Heather Miernicki, 3 cr	35880 001 LEC, 11:00am-12:15pm TTh, Library 409; Jenson, Jill Diane, 3 cr	36375 017 LAB, 08:00am-08:50am Th, MWAH 177; Allert, James Donald, 5 cr
36029 002 LEC, 01:00pm-01:50pm MWF, Engr 118; Torniainen, Maarit-Hannele, 3 cr	8910 Practicum in Teaching Composition (A-F only; prereq Instructor consent)	018 DIS, 09:00am-09:50am T, HH 306; Allert, James Donald
36030 003 LEC, 09:30am-10:45am TTh, LSci 160; Lynch, Mike, 3 cr	35882 001 PRC; Risdon, Kenneth C, 3 cr	37519 019 LAB, 09:00am-09:50am Th, MWAH 177; Allert, James Donald, 5 cr
37732 004 LEC, 10:00am-10:50am MW, MonH 208, 10:00am-10:50am F, SCC 42; Jenson, Jill Diane, 3 cr	8994 Directed Research in Composition (max crs 3; 3 repeats allowed; A-F only; prereq 8902; instructor consent)	020 DIS, 10:00am-10:50am T, HH 306; Allert, James Donald
39399 005 LEC, 3 cr	35881 001 LEC, 12:00pm-12:50pm TTh, LSci 175; Holtz, Steven James	37521 021 LAB, 10:00am-10:50am Th, MWAH 177; Allert, James Donald, 5 cr
36031 200 INI; (Individualized Instruction; Instructor consent required); Morrison, Dorothy L, 3 cr	36348 002 LAB, 10:00am-10:50am W, MWAH 177; Holtz, Steven James, 3 cr	022 DIS, 11:00am-11:50am T, HH 306; Allert, James Donald
3130 Advanced Writing: Engineering (A-F only; prereq 1120, 60 cr)	36349 003 LAB, 11:00am-11:50am W, MWAH 177; Holtz, Steven James, 3 cr	37523 023 LAB, 11:00am-11:50am Th, MWAH 177; Allert, James Donald, 5 cr
35867 001 LEC, 02:00pm-02:50pm MWF, Chem 251; Mackiewicz, Jo M, 3 cr	36350 004 LAB, 12:00pm-12:50pm W, MWAH 177; 1 seat reserved for Continuing education; Holtz, Steven James, 3 cr	024 DIS, 12:00pm-12:50pm T, HH 306; Allert, James Donald
35868 200 INI; (Individualized Instruction; Instructor consent required); Cosgrove, Robin Kristie, 3 cr	36351 005 LAB, 01:00pm-01:50pm W, MWAH 177; Holtz, Steven James, 3 cr	37525 025 LAB, 12:00pm-12:50pm Th, MWAH 177; Allert, James Donald, 5 cr
3140 Advanced Writing: Human Services (A-F only; prereq 1120, 60 cr)	36352 006 LAB, 02:00pm-02:50pm W, MWAH 177; Holtz, Steven James, 3 cr	6152 Computer Science II (A-F only; prereq 1511)
35869 001 LEC, 08:00am-09:15am TTh, MonH 208; Torniainen, Maarit-Hannele, 3 cr	1011 Introduction to Computers and Software (A-F only; prereq 1 yr high school algebra, Comp 1100 or Comp 1120 or instructor consent; meets LE req of LE CAT3)	001 LEC, 11:00am-11:50am MWF, MWAH 195; Holtz, Steven James
35870 002 LEC, 10:00am-10:50am MWF, Cina 102; Torniainen, Maarit-Hannele, 3 cr	001 LEC, 12:00pm-12:50pm TTh, LSci 175; Holtz, Steven James	002 DIS, 08:00am-08:50am W, HH 306; Holtz, Steven James
37692 003 LEC, 02:00pm-02:50pm MWF, Engr 118; Torniainen, Maarit-Hannele, 3 cr	36348 002 LAB, 10:00am-10:50am W, MWAH 177; Holtz, Steven James, 3 cr	36378 003 LAB, 08:00am-08:50am F, MWAH 177; Holtz, Steven James, 5 cr
35871 004 LEC, 12:00pm-12:50pm MWF, MonH 208; Cosgrove, Robin Kristie, 3 cr	36349 003 LAB, 11:00am-11:50am W, MWAH 177; Holtz, Steven James, 3 cr	004 DIS, 09:00am-09:50am W, HH 306; Holtz, Steven James
40167 005 LEC, 02:00pm-03:15pm TTh, H 468, 3 cr	36350 004 LAB, 12:00pm-12:50pm W, MWAH 177; 1 seat reserved for Continuing education; Holtz, Steven James, 3 cr	36379 005 LAB, 09:00am-09:50am F, MWAH 177; Holtz, Steven James, 5 cr
37126 200 INI; La Jeunesse, Thomas A, 3 cr	36351 005 LAB, 01:00pm-01:50pm W, MWAH 177; Holtz, Steven James, 3 cr	6121 Introduction to Programming in Java (A-F only; prereq 3 yrs high school math, programming course or instructor consent; meets LE req of LE CAT3)
3150 Advanced Writing: Science (A-F only; prereq 1120, 60 cr)	36352 006 LAB, 02:00pm-02:50pm W, MWAH 177; Holtz, Steven James, 3 cr	001 LEC, 03:00pm-03:50pm TTh, HH 306; Holtz, Steven James
35872 001 LEC, 09:00am-09:50am MWF, LSci 160; La Jeunesse, Thomas A, 3 cr		002 LAB, 10:00am-10:50am F, MWAH 177; Holtz, Steven James, 3 cr

2511	Software Analysis and Design (prereq 1521 or instructor consent) 001 LEC, 09:30am-10:45am TTh, LSci 175; Colburn, Timothy Robert 002 DIS, 08:00am-08:50am F, HH 306; Colburn, Timothy Robert	4993	Seminar (A-F only; prereq 2511, Comm 1112, Comp 3130 or 3150, CS or IST major and 90 cr; no Grad School credit)	37225	006 THE; Maclin, Richard Frank, 1-24 cr
36429	003 LAB, 08:00am-08:50am M, MWAH 177; Colburn, Timothy Robert, 4 cr 004 DIS, 09:00am-09:50am F, HH 306; Colburn, Timothy Robert	37717	001 SEM, 11:00am-11:50am TTh, HH 302; Crouch, Donald B, 1 cr	37226	007 THE; Sosonkina, Masha, 1-24 cr
36430	005 LAB, 09:00am-09:50am M, MWAH 177; Colburn, Timothy Robert, 4 cr 006 DIS, 02:00pm-02:50pm F, HH 306; Colburn, Timothy Robert	4994	Honors Project (max crs 3; A-F only; prereq Consent of comp sci honors prog committee; meets HON req of Honors)	37227	008 THE; Turner, Hudson, 1-24 cr
36431	007 LAB, 02:00pm-02:50pm M, MWAH 177; Colburn, Timothy Robert, 4 cr	37070	001 DRS; Colburn, Timothy Robert, 2-3 cr	37228	009 THE; Pedersen, Ted, 1-24 cr
2521	Computer Organization and Architecture (prereq 1521, ECE 1315, Math 1296 or instructor consent) 001 LEC, 09:30am-10:45am TTh, SCC 120; Shute, Gary M	5541	Artificial Intelligence (A-F only; prereq 2511, 3511 or instructor consent) 001 LEC 002 LAB, 4 cr	37389	010 THE; Prince, Christopher George, 1-24 cr
36434	002 LAB, 11:00am-11:50am F, MWAH 177; Shute, Gary M, 4 cr	5621	Computer Architecture (A-F only; prereq 2521 or instructor consent) 001 LEC, 04:00pm-05:15pm TTh, HH 306; Sosonkina, Masha	37820	011 THE; Windyga, Piotr S, 1-24 cr
37530	003 LAB, 12:00pm-12:50pm F, MWAH 177; Shute, Gary M, 4 cr	37721	002 LAB, 05:00pm-05:50pm M, MWAH 177; Sosonkina, Masha, 4 cr	8993	Seminar (max crs 3; 3 repeats allowed; A-F only; prereq Instructor consent)
39423	004 LAB, 01:00pm-01:50pm F, MWAH 177; Shute, Gary M, 4 cr	5631	Operating Systems (A-F only; prereq 2511, 2521 or instructor consent) 001 LEC, 10:00am-10:50am MWF, HH 306; Crouch, Carolyn J	37536	001 SEM, 02:00pm-02:50pm MW, HH 306; Crouch, Carolyn J, 1 cr
2991	Independent Study (max crs 8; 8 repeats allowed; prereq Instructor consent)	36438	002 LAB, 05:00pm-05:50pm T, MWAH 177; Crouch, Carolyn J, 4 cr	8995	Special Topics: (Various Titles to be Assigned) (max crs 8; 8 repeats allowed; A-F only; prereq CS grad student, instructor consent)
37067	001 LEC; Crouch, Donald B, 1-4 cr	5641	Compiler Design (A-F only; prereq 2511, 2521, 3511 or instructor consent) 001 LEC, 02:00pm-02:50pm MWF, HH 302; Maclin, Richard Frank	39558	001 LEC, 03:00pm-04:40pm MW, HH 302; Windyga, Piotr S, 1-4 cr
3011	Information Technology Hardware & Software (A-F only; prereq 2301 or FMIS 3201 or SBE 1101, 2511 or instructor consent) 001 LEC, 10:00am-10:50am MWF, HH 302; Shute, Gary M	43227	002 LAB, 06:00pm-06:50pm T, MWAH 177, 4 cr	CULTURAL STUDIES (CST) College of Liberal Arts	
37716	002 LAB, 03:00pm-04:50pm T, MWAH 177; Shute, Gary M, 4 cr	5651	Computer Networks (A-F only; prereq 2511, 2521 or instructor consent) 001 LEC, 12:30pm-01:45pm TTh, HH 302; Windyga, Piotr S	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)
3111	Computer Ethics (A-F only; prereq 2511 or instructor consent)	37347	002 LAB, 06:00pm-06:50pm M, MWAH 177; Windyga, Piotr S, 4 cr	40177	001 LEC, 12:00pm-01:40pm TTh, ABAH 245; 1 seat reserved for Continuing education; Farrell, Thomas A, 4 cr
43225	001 LEC, 02:00pm-03:15pm TTh, HH 302, 09:00am-09:50am M, HH 306; Colburn, Timothy Robert, 4 cr	5721	Computer Graphics (A-F only; prereq 2511, Math 1297 or instructor consent) 001 LEC, 11:00am-11:50am MWF, HH 302; Dunham, Douglas	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)
3121	Interactive Multimedia Technology (A-F only; prereq 2301 or FMIS 3201 or SBE 1101, 2511 or instructor consent) 001 LEC, 11:00am-11:50am MWF, HH 306; Prince, Christopher George	39524	002 LAB, 05:00pm-05:50pm W, MWAH 177; Dunham, Douglas, 4 cr	37712	001 LEC, 02:00pm-03:15pm MW, BohH 104; 30 seats reserved for Learning Community F04; Syring, David M, 3 cr
37532	002 LAB, 08:00am-09:50am F, SBE 17; Prince, Christopher George, 4 cr	5741	Object-Oriented Design (A-F only; prereq 2511, 3511 or instructor consent) 001 LEC, 12:00pm-12:50pm MWF, HH 306 002 LAB, 07:00pm-07:50pm M, MWAH 177, 4 cr	1030	Frontier Heritage in Canada and the United States (Same as: CST 1030; A-F only; meets LECD req of LECD CAT7)
3211	Database System Concepts (A-F only; prereq 2301 or FMIS 3201 or SBE 1101, 2511 or instructor consent) 001 LEC, 09:30am-10:45am TTh, HH 302; Maclin, Richard Frank	39528	002 LAB, 07:00pm-07:50pm M, MWAH 177, 4 cr	37713	001 LEC, 10:00am-11:40am TTh, H 403; Bacig, Thomas D, 4 cr
37534	002 LAB, 4 cr	5994	Special Topics: (Various Titles to be Assigned) (A-F only; prereq Grad student or instructor consent) 001 LEC, 09:00am-09:50am MWF, HH 302 002 LAB, 07:00pm-07:50pm W, MWAH 177, 4 cr	1101	Introduction to Cultural Studies (A-F only; meets LE req of LE CAT8)
39424	003 LAB, 01:00pm-02:50pm T, HH 306; Maclin, Richard Frank, 4 cr	37189	001 DRS, 1 cr	37607	001 LEC, 10:00am-11:40am TTh, Room TBA, DULUTH; 30 seats reserved for Learning Community F04; Emad, Mitra C, 4 cr
3511	Computer Science Theory (A-F only; prereq Math 3355 or instructor consent)	8333	FTE: Master's (NGA; prereq Masters student, adviser and DGS consent)	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)
40180	001 LEC, 01:00pm-01:50pm MWF, HH 306; Dunham, Douglas, 3 cr	37189	001 DRS, 1 cr	37714	001 LEC, 02:00pm-03:15pm TTh, H 403; Syring, David M, 3 cr
3996	Internship in Computer Science (max crs 3; S-N only; prereq Comp sci jr, instructor consent)	8631	Advanced Systems Programming (A-F only; prereq 5631, 5641 or instructor consent)	3021	The Age of the Heroes: Homer and his World (A-F only; prereq 30 cr, credit will not be granted if credit received for HmCl 3021)
37068	001 IEX; Colburn, Timothy Robert, 1-3 cr	40255	001 LEC, 4 cr	39465	001 LEC, 11:00am-12:15pm TTh, Cina 202; Marchese, Ron T., 3 cr
4531	Software Engineering (A-F only; prereq 2511, 3511 or instructor consent) 001 LEC 002 LAB, 4 cr	8761	Natural Language Processing (A-F only; prereq 5761 or instructor consent; Graduate Student)	3030	Science Fiction (A-F only; prereq Sophomore standing or above; credit will not be granted if credit received for HmCl 3221)
37939	002 LAB, 4 cr	43229	001 LEC, 03:00pm-04:40pm MW, HH 302; Pedersen, Ted, 4 cr	42642	200 LEC; Bacig, Thomas D, 3 cr
4611	Database Management Systems (A-F only; prereq 2511, 2521 or instructor consent) 001 LEC, 03:30pm-04:45pm TTh, HH 302; Maclin, Richard Frank	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))	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)
39522	002 LAB, 06:00pm-06:50pm W, MWAH 177; Maclin, Richard Frank, 4 cr	37220	001 THE; Crouch, Donald B, 1-24 cr	39368	200 INI; 3 seats reserved for Continuing education; Gallian, Joseph A, 3 cr
4991	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq Instructor consent)	37221	002 THE; Dunham, Douglas, 1-24 cr	3050	Utopian Images (A-F only; prereq Sophomore standing or above; credit will not be granted if credit received for HmCl 3231)
37069	001 IND; Crouch, Donald B, 1-4 cr	37222	003 THE; Crouch, Carolyn J, 1-24 cr	37894	001 LEC, 3 cr
		37223	004 THE; Colburn, Timothy Robert, 1-24 cr	3080	Cultural Constructions of the Body (A-F only; prereq 30 credits or instructor consent)
		37224	005 THE; Shute, Gary M, 1-24 cr	39604	001 LEC, 02:00pm-03:40pm TTh, Engr 118; Emad, Mitra C, 4 cr

4691 **Independent Study in Cultural Studies**
(max crs 8; A-F only; prereq Instructor consent)
37610 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 CAT9)
37985 001 LEC, 11:00am-11:50am MWF, Engr 118,
3 cr

1101 **Modern Dance Technique I**
(max crs 12; 6 repeats allowed; A-F only; meets
LE req of LE CAT10)
36048 001 STU, 12:00pm-01:10pm MWF, MPAC
155; George, Michael A, 2 cr

1111 **Jazz Dance Technique I**
(max crs 8; 4 repeats allowed; A-F only; meets
LE req of LE CAT10)
38060 001 STU, 02:00pm-03:45pm TTh, MPAC
155, 2 cr
39400 002 STU, 08:00am-09:45am TTh, MPAC
155, 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)
36053 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)
36054 001 STU, 12:00pm-01:45pm TTh, MPAC
155; White, LilaAnn Coates, 2 cr
39402 002 STU, 04:00pm-05:10pm MWF, MPAC
155; White, LilaAnn Coates, 2 cr

3231 **Ballet Technique II**
(max crs 12; 6 repeats allowed; A-F only; prereq
Instructor consent)
36057 001 STU, 04:00pm-05:45pm TTh, 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)
39480 001 IND; Bergeron, Ann Aiko, 1-3 cr

4311 **Jazz Dance Technique III**
(max crs 12; 6 repeats allowed; A-F only; prereq
Instructor's consent; no Grad School credit)
37615 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)
37810 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)
39481 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)
36067 001 IEX; Bergeron, Ann Aiko, 1-12 cr

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

2010 **Introduction to Early Childhood
Education: Birth-Age Eight**
(prereq CS 1011)
36834 001 LEC, 10:00am-11:50am T, BohH 108;
(Practicum arr); Mitchell, Lorraine Marie, 3
cr

3006 **Early School Years**
(A-F only; prereq Pre-EIEd major, concurrent
registration is required (or allowed) for EIEd
1010.)
37074 001 LEC, 08:00am-09:40am T, MonH 108, 2
cr

37075 002 LEC, 08:00am-09:40am W, MonH 121, 2
cr
41498 400 LEC; (Meet at Fond du Lac Community
College); 2 cr

3010 **Programs for Education of Young
Children: Birth-Age Eight**
(A-F only; prereq ECh major)
36423 001 LEC, 09:00am-11:50am M, BohH 346;
(Practicum arr); Minkinen, Molly Harney, 4
cr

3020 **Literacy, Language, and Mathematics:
Birth-Age Eight**
(prereq ECh major, concurrent registration is
required (or allowed) in the following: 3030,
4011, SpEd3103)
37454 001 LAB, 12:30pm-02:45pm TTh, MonH 151;
(Practicum arr); Wohlhuter, Kay A.; Mitchell,
Lorraine Marie, 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 SpEd3105)
37455 001 LAB, 10:00am-12:15pm TTh, MonH 151;
(practicum arr), 5 cr

3050 **Observing and Guiding Behavior: Birth-
Age Eight**
(prereq ECh major, 2010, concurrent registration
is required (or allowed) in the following: 3010,
SpEd 3103.)
36835 001 LEC, 08:00am-10:50am F, MonH 121;
(Practicum arr); Riordan, Kim E Turner, 4 cr

4009 **Early Childhood Administration**
(A-F only; prereq Instructor consent; no Grad
School cr.)
36424 001 LEC, 10:00am-11:50am M, MonH 203;
Riordan, Kim E Turner, 2 cr

4251 **Parenting**
(A-F only; prereq ECh major, Educ 1000 or Psy
2021 or Psy 3371 or instructor consent; no Grad
School credit)
37641 001 LEC, 12:00pm-02:40pm M, MonH 203;
Shannon PhD, Terrie M, 3 cr

4400 **Professional Development Seminar**
(max crs 3; 3 repeats allowed; S-N only; prereq
Instructor consent; no Grad School credit)
37514 001 DIS, 01:00pm-03:30pm F, MonH 121;
(Special term: 9/24, 10/15, 11/12, 12/3, 12/
17); Mitchell, Lorraine Marie, 1 cr
37515 002 DIS, 01:00pm-03:30pm F, MonH 121;
(Special term: 9/24, 10/15, 11/12, 12/3, 12/
17); 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)
36922 001 PRC, 3-12 cr
38258 002 PRC, 3-12 cr
38259 003 PRC, 3-12 cr
38260 004 PRC, 3-12 cr
38261 005 PRC, 3-12 cr
38262 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)
36836 001 LEC, 05:00pm-09:00pm W, BohH 346;
(Special term: 9/15, 9/29, 10/13, 10/27, 11/10, 12/
1, 12/15); 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)
36923 001 IND, 1-6 cr

4993 **Special Area Project**
(max crs 4; A-F only; prereq Instructor consent;
no Grad School credit)
36924 001 DST, 1-4 cr

5993 **Special Area Project**
(max crs 4; A-F only; prereq no Grad School
credit)
36925 001 DST, 1-4 cr

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

1022 **Principles of Economics: Macro**
(A-F only; meets LE req of LE CAT6)
36039 001 LEC, 08:00am-08:50am MWF, MonH 80;
2 seats reserved for Continuing education;
Peterson, Jerrold M, 3 cr
36040 002 LEC, 10:00am-10:50am MWF, MonH 70;
Tadesse, Bedassa, 3 cr
37152 003 LEC, 01:00pm-01:50pm MWF, MonH 80;
1 seat reserved for Continuing education;
Peterson, Jerrold M, 3 cr

1023 **Principles of Economics: Micro**
(A-F only; meets LE req of LE CAT6)
36041 001 LEC, 09:00am-09:50am MWF, MonH 70,
3 cr
36042 002 LEC, 11:00am-11:50am MWF, MonH 70;
2 seats reserved for Continuing education, 3
cr
37756 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, Stat2411, Stat3611, Soc3151, Psy3020)

38041 001 LEC, 02:00pm-03:15pm MW, SBE 36;
Meets with: 38042 ECON 2030, 38043 ECON
2030; Doorn, David, 3 cr
38042 002 LEC, 02:00pm-03:15pm MW, SBE 36;
Meets with: 38041 ECON 2030, 38043 ECON
2030; Doorn, David, 3 cr
38043 003 LEC, 02:00pm-03:15pm MW, SBE 36;
Meets with: 38041 ECON 2030, 38042 ECON
2030; Doorn, David, 3 cr
38044 004 LEC, 08:00am-09:15am TTh, SBE 36;
Meets with: 38045 ECON 2030, 38046 ECON
2030, 3 cr
38045 005 LEC, 08:00am-09:15am TTh, SBE 36; 7
seats reserved for Econ major or minor;
Meets with: 38044 ECON 2030, 38046 ECON
2030, 3 cr
38046 006 LEC, 08:00am-09:15am TTh, SBE 36; 2
seats reserved for Non-LSBE Bus Adm or
Acct minor; Meets with: 38044 ECON 2030,
38045 ECON 2030, 3 cr

38047 007 LEC, 11:00am-12:15pm TTh, SBE 36;
Meets with: 38048 ECON 2030, 38049 ECON
2030, 3 cr
38048 008 LEC, 11:00am-12:15pm TTh, SBE 36;
Meets with: 38047 ECON 2030, 38049 ECON
2030, 3 cr
38049 009 LEC, 11:00am-12:15pm TTh, SBE 36;
Meets with: 38047 ECON 2030, 38048 ECON
2030, 3 cr
38050 010 LEC, 12:30pm-01:45pm TTh, SBE 36;
Meets with: 38051 ECON 2030, 38052 ECON
2030; O'Brien, A. Maureen, 3 cr
38051 011 LEC, 12:30pm-01:45pm TTh, SBE 36; 7
seats reserved for Econ major or minor;
Meets with: 38050 ECON 2030, 38052 ECON
2030; O'Brien, A. Maureen, 3 cr

38052 012 LEC, 12:30pm-01:45pm TTh, SBE 36;
Meets with: 38050 ECON 2030, 38051 ECON
2030; O'Brien, A. Maureen, 3 cr
38179 013 LEC, 02:00pm-03:15pm TTh, SBE 36;
Meets with: 38180 ECON 2030, 38181 ECON
2030, 3 cr
38180 014 LEC, 02:00pm-03:15pm TTh, SBE 36;
Meets with: 38179 ECON 2030, 38181 ECON
2030, 3 cr
38181 015 LEC, 02:00pm-03:15pm TTh, SBE 36;
Meets with: 38179 ECON 2030, 38180 ECON
2030, 3 cr

3022 **Macroeconomic Analysis**
(A-F only; prereq 1022, 1023, Math 1160)
36032 001 LEC, 12:00pm-12:50pm MWF, SBE 36;
Doorn, David, 3 cr

3023 **Microeconomic Analysis**
(A-F only; prereq 1022, 1023, Math 1160)
40257 001 LEC, 10:00am-10:50am MWF, SBE 36;
Raab, Raymond L, 3 cr

3030 **Economic Research Methodology**
(A-F only; prereq 1022, 1023, 2020, Math 1160)
37757 001 LEC, 01:00pm-01:50pm MWF, SBE 36;
Tadesse, Bedassa, 3 cr

3036 Radical Economics (A-F only; prereq 1003 or 1022, 1023; meets LE req of LE CAT7)	3412 The Computer in Education (max crs 6; 6 repeats allowed; A-F only)	5164 Environmental Education In-Service Training (max crs 10; A-F only; prereq Instructor consent; no Grad School credit)
38472 001 LEC, 09:00am-09:50am MWF, SBE 36; Lichty, Richard W, 3 cr	36886 001 LEC, 01:00pm-02:50pm MW, MonH 239; Mc Carthy, David Albert, 4 cr	37857 200 INI; Bates, Timothy Alan, 0.50-10 cr
3311 Money and Banking (A-F only; prereq 1022)	36887 002 LEC, 03:00pm-04:50pm MW, MonH 239; Mc Carthy, David Albert, 4 cr	5165 Theories and Models in Outdoor Education (A-F only; prereq Instructor consent; no Grad School credit)
39475 001 LEC, 3 cr	37153 003 LEC, 10:00am-11:50am MW, MonH 239; Mc Carthy, David Albert, 4 cr	38195 731 LEC, 10/02/04-11/15/04; (Wolf Ridge Environmental Learning Center Certificate course); Gilbertson, Kenneth Lloyd, 2 cr
3410 International Economics and Finance (A-F only; prereq 1022, 1023)	37438 004 LEC, 05:00pm-08:40pm M, MonH 209; Glisczynski, Daniel Joseph, 4 cr	5340 Interacting With Diverse Families (A-F only; prereq 90 cr or instructor consent)
37942 001 LEC, 08:00am-08:50am MWF, SBE 36; Tadesse, Bedassa, 3 cr	37652 005 LEC, 03:00pm-04:50pm MW, MonH 209; Glisczynski, Daniel Joseph, 4 cr	37701 001 LEC, 06:00pm-08:45pm T, MonH 203; Riordan, Kim E Turner, 3 cr
3512 Managerial Economics (A-F only; prereq 1023, 2020)	37699 006 LEC, 05:00pm-08:40pm T, MonH 209, 4 cr	5401 Creative and Intellectually Gifted Children (A-F only; prereq No Grad School credit)
36037 001 LEC, 3 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)	37165 200 INI; (Individualized Instruction); 2 seats reserved for Continuing education; Rotondi, Mary Ann, 2 cr
3613 The Economics of Antitrust and Regulation (A-F only; prereq 1023)	39601 001 LEC, 2 cr	5412 The Computer in Education (max crs 6; 6 repeats allowed; A-F only; prereq No Grad School credit)
40256 001 LEC, 11:00am-11:50am MWF, SBE 36; Raab, Raymond L, 3 cr	3417 Teaching Elementary Keyboarding and Computer Applications Practicum (S-N only; prereq 3416, pre EIEd, EIEd, pre ECh, ECh, credit will not be granted if credit received for 5417)	36965 090 LEC, 05:00pm-08:40pm T, MonH 239; 6 seats reserved for Continuing education; Mc Carthy, David Albert, 4 cr
4213 Mathematical Economics (A-F only; prereq 1022, 1023, Math 1160)	39609 001 PRC, 05:00pm-07:00pm M, MonH 239; Meets with: 39610 EDUC 5417, 1 cr	5413 Teaching With Technology (A-F only; prereq 3412 or 5412, jr or sr or grad or instructor consent)
39474 001 LEC, 09:30am-10:45am TTh, SBE 36; Anderson, Curt L, 3 cr	4163 Outdoor Education Methods (A-F only; prereq Rec 3342 or instructor consent; no Grad School credit)	36888 001 LEC, 04:30pm-08:10pm Th, KPlz 143; 3 seats reserved for Continuing education; Shannon PhD, Terrie M, 4 cr
4397 Half-Time Internship (max crs 6; S-N only; prereq Credit will not be granted if credit received for 4497; Econ major, 3022, 3023 or instructor consent)	37847 001 LAB, 02:00pm-05:00pm Th, SpHC SPHC000119; Bates, Timothy Alan; Gilbertson, Kenneth Lloyd, 3 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)
37332 001 IEX; O'Brien, A. Maureen, 3 cr	4227 Number Theory for Teachers in Grades 5-8 (A-F only; prereq Math 1141 or instructor consent; no Grad School credit)	37792 090 LEC, 05:00pm-08:40pm W, MonH 239; 6 seats reserved for Continuing education, 4 cr
4497 Full-Time Internship (S-N only; prereq Credit will not be granted if credit received for 4397, Econ major 3022, 3023 or instructor consent)	37396 001 LEC, 06:00pm-08:50pm T, MonH 151; Wohlhuter, Kay A., 3 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, cr will not be granted if cr received for 3416, no Grad School credit)
37333 001 IEX; O'Brien, A. Maureen, 6 cr	4234 Science, Technology, and Society (A-F only; prereq Min 30 cr, no Grad School credit)	39603 001 LEC, 2 cr
4991 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq (Econ major, 12 cr of 3xxx and above Econ) or instructor consent)	36885 001 LEC, 02:00pm-03:15pm TTh, VKH 221; Yoon PhD, Jiyeon, 3 cr	5417 Teaching Elementary Keyboarding and Computer Applications Practicum (S-N only; prereq 3416 or 5416, pre EIEd, EIEd, pre ECh, ECh or non degree candidates, no Grad School credit, cr will not be granted if credit received for 3417)
36038 001 IND; O'Brien, A. Maureen, 1-6 cr	4360 Teaching Methods for Ojibwe Language (A-F only; prereq Admitted to EIEd or pre-EIEd, no Grad School credit)	39610 001 PRC, 05:00pm-07:00pm M, MonH 239; Meets with: 39609 EDUC 3417, 1 cr
	39584 400 LEC; (class meets at Fond du Lac Community College), 4 cr	5555 Environmental Education for Practicing Educators (A-F only; prereq No Grad School credit)
EDUCATION (Educ)	4381 Teaching American Indian Students (A-F only; prereq 10 cr Educ; no Grad School credit)	37166 200 INI; (Individualized Instruction); 2 seats reserved for Continuing education; Boman, Thomas G, 2 cr
College of Education & Human Service Professions	36499 001 LEC, 08:00am-09:50am Th, MonH 108; Hermes, Mary Rose, 2 cr	5560 Current Research and Issues in Science Education (max crs 6; 3 repeats allowed; A-F only; prereq MEEd student; offered summer only)
1000 Human Development (A-F only)	36877 002 LEC, 02:00pm-03:50pm Th, MonH 206; Hermes, Mary Rose, 2 cr	39556 001 LEC, 02:00pm-06:00pm F, MonH 151; Munson, Bruce H, 2 cr
36878 001 LEC, 08:00am-09:15am TTh, BohH 346; 1 seat reserved for Continuing education; Riordan, Kim E Turner, 3 cr	4500 Professional Issues in Teaching (A-F only; prereq Admission to Educ or CSD program; no Grad School credit)	5850 Classroom Learning Applications (A-F only; prereq Admission to MEEd or instructor consent)
36879 002 LEC, 09:30am-10:45am TTh, BohH 346; Riordan, Kim E Turner, 3 cr	36918 001 LEC, 04:45pm-06:30pm M, MonH 151; (wks 2,4,6,8,10,12,14); Langseth, Jody L, 1 cr	37183 731 LEC, 11/14/04-12/18/04; (Wolf Ridge Environmental Learning Center Certificate course); Beery, Thomas Harold, 2 cr
37436 003 LEC, 3 cr	37057 002 LEC, 04:45pm-06:30pm T, MonH 108; (wks 2,4,6,8,10,12,14); Langseth, Jody L, 1 cr	5991 Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)
1100 Human Diversity (A-F only; meets LECD req of LECD CAT8)	4601 Wilderness Philosophy (prereq Instructor consent; no Grad School credit)	36921 001 IND, 0.50-4 cr
36880 001 LEC, 10:00am-11:50am W, MonH 203; (Practicum 2 hrs per wk arr); Albert-Peacock, Elizabeth (Betsy) L., 3 cr	37700 090 LEC, 06:00pm-08:00pm M, SpHC 207; 6 seats reserved for Continuing education; Gilbertson, Kenneth Lloyd, 2 cr	37612 030 IND; (Extension Cohort 2), 0.50-4 cr
36881 002 LEC; (Practicum 2 hrs per wk arr), 3 cr	4991 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)	37643 040 IND; (MED Cohort 6), 0.50-4 cr
36882 003 LEC, 04:00pm-05:50pm M, MonH 203; (Practicum 2 hrs per wk arr); 1 seat reserved for Continuing education; Mweti, Chang'aa, 3 cr	36843 001 IND, 0.50-3 cr	37856 741 IND; (Educational Computing & Technology Certificate); Mongan-Rallis, Helen, 0.50-4 cr
37113 004 LEC, 10:00am-11:50am Th, MonH 203; (Practicum 2 hrs per wk arr); Varney, Joan Dee, 3 cr	4993 Special Area Project (max crs 4; A-F only; prereq instructor consent; no Grad School credit)	5993 Special Area Project (max crs 14; 14 repeats allowed; A-F only; prereq No Grad School credit)
37437 005 LEC, 03:00pm-04:50pm W, MonH 203; (Practicum 2 hrs per wk arr); 1 seat reserved for Continuing education; Albert-Peacock, Elizabeth (Betsy) L., 3 cr	36920 001 DST, 1-4 cr	39557 001 DST, 0.50-4 cr
41499 400 LEC; (Meets at Fond du Lac Community College); Albert-Peacock, Elizabeth (Betsy) L., 3 cr	5128 Urban Education (prereq No Grad School credit)	
1101 Education in Modern Society (A-F only; meets LE req of LE CAT7)	37164 200 INI; (Individualized Instruction); 2 seats reserved for Continuing education; Rummel, Mary Kay, 3 cr	
36883 001 LEC, 02:00pm-02:50pm MWF, MonH 80; 30 seats reserved for Learning Community F04; Gulbrandsen, Frank A, 3 cr		
36884 002 LEC, 04:00pm-06:50pm T, MonH 80; 2 seats reserved for Continuing education; Gulbrandsen, Frank A, 3 cr		
1201 Managing Planet Earth (A-F only; meets LE req of LE CAT8)		
37163 200 INI; (Individualized Instruction); 2 seats reserved for Continuing education; Boman, Thomas G, 3 cr		

- 7001 Educational Innovations and Technology**
(A-F only; prereq MEd candidate or instructor consent; no Grad School credit)
- 38452 045 LEC; (registration for Cohort 9 only); Mongan-Rallis, Helen, 1 cr
- 7002 Human Diversity and Exceptionality**
(A-F only; prereq MEd candidate or instructor consent; no Grad School credit)
- 39574 040 LEC; (registration for Cohort 7 only); Varney, Joan Dee, 3 cr
- 7004 Educational Action Research and Inquiry**
(A-F only; prereq MEd candidate or instructor consent; no Grad School credit)
- 37950 035 LEC; (Ed Cohort 8 participants only); Babiuk PhD, Gary E; Peacock, Thomas D, 3 cr
- 7005 Teaching and Learning in a Systems Context**
(A-F only; prereq MEd candidate or instructor consent; no Grad School credit)
- 37951 030 LEC, 09/07/04-10/22/04; (registration for Tribal Cohort only); Hermes, Mary Rose, 3 cr
- 7006 Ethics and Professionalism in Education**
(A-F only; prereq MEd candidate or instructor consent; no Grad School credit)
- 39575 020 LEC; (registration for Distance 3 cohort only); Damme, Susan R, 2 cr
39576 040 LEC; (registration for Cohort 7 only); Damme, Susan R, 2 cr
- 7007 Leadership, Change and Collaboration**
(A-F only; prereq MEd or instructor consent; no Grad School credit)
- 37952 030 LEC, 09/07/04-10/22/04; (registration for Tribal Cohort only), 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)
- 38301 045 LEC; (registration for Cohort 9 only); Damme, Susan R; Mongan-Rallis, Helen, 4 cr
- 7009 Assessment of Student Learning**
(max crs 12; 12 repeats allowed; A-F only; prereq MEd candidate or instructor consent, no Grad School credit)
- 37953 035 LEC; (Ed Cohort 8 participants only); Williams, Julie Marie, 2 cr

EDUCATION AND HUMAN SERVICE PROFESSIONS (EHS)

College of Education & Human Service Professions

- 5713 American Indian Culture and Tradition: Oral Tradition and History**
(A-F only; prereq No Grad School credit)
- 37855 200 INI; 2 seats reserved for Continuing education; Grover, Linda L, 2 cr
- 5990 Research Project**
(max crs 12; 12 repeats allowed; A-F only; prereq No Grad School credit)
- 36938 002 LEC; Hazareesingh, Nedra A, 1-12 cr
36939 003 LEC; Shannon PhD, Terrie M, 1-12 cr
36940 004 LEC; Guldbrandsen, Frank A, 1-12 cr
36941 005 LEC; Mongan-Rallis, Helen, 1-12 cr
36942 006 LEC; Strand, Joyce Anne, 1-12 cr
36943 007 LEC, 1-12 cr
36944 008 LEC; Peacock, Thomas D, 1-12 cr
36946 010 LEC; Munson, Bruce H, 1-12 cr
36947 011 LEC; Mc Carthy, David Albert, 1-12 cr
36948 012 LEC; Gilbertson, Kenneth Lloyd, 1-12 cr
37787 030 LEC; Damme, Susan R, 1-12 cr
37781 040 LEC; (MED Cohort 6 participants only); Guldbrandsen, Frank A, 1-12 cr

EDUCATION, SECONDARY (EdSe)

College of Education & Human Service Professions

- 3204 General Instructional Methods**
(A-F only; prereq Admission to EdSe program)
- 36395 001 LEC, 08:00am-09:50am MW, MonH 108; Mongan-Rallis, Helen; Nierengarten, Gerry, 4 cr
36872 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)
- 36930 001 PRC, 05:00pm-06:50pm Th, MonH 203; (Practicum 4 hrs per wk arr) (9/9, 9/16, 9/23, 11/4, 12/16); Meets with: 36931 EDSE 3206; Williams, Julie Marie, 2 cr
37588 002 PRC, 08:00am-09:50am Th, MonH 203; (Practicum 4 hrs per wk arr) (9/9, 9/16, 9/23, 11/4, 12/16); Meets with: 37589 EDSE 3206; Williams, Julie Marie, 2 cr
- 3206 Apprenticeship: Secondary School**
(A-F only; prereq Admission to EdSe program, concurrent registration is required (or allowed) for 3204)
- 36931 001 PRC, 05:00pm-06:50pm Th, MonH 203; (Practicum 4 hrs per wk arr) (9/9, 9/16, 9/23, 11/4, 12/16); Meets with: 36930 EDSE 3205; Williams, Julie Marie, 2 cr
37589 002 PRC, 08:00am-09:50am Th, MonH 203; (Practicum 4 hrs per wk arr) (9/9, 9/16, 9/23, 11/4, 12/16); Meets with: 37588 EDSE 3205; Williams, Julie Marie, 2 cr
- 4100 Human Relations in Classrooms**
(A-F only; prereq Admission to EdSe program)
- 36840 001 LEC, 11:00am-12:50pm T, MonH 203; Varney, Joan Dee, 2 cr
36873 002 LEC, 03:00pm-04:50pm T, MonH 203; 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)
- 37753 001 LEC, 04:00pm-06:45pm M, VKH 221; 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)
- 39579 001 LEC, 11:00am-12:50pm Th, HH 216; Wright, Mary Frances, 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)
- 36875 001 LEC, 04:00pm-07:00pm W, VKH 221; Babiuk PhD, 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)
- 36876 001 LEC, 08:00am-09:15am TTh, MonH 151; Munson, Bruce H, 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)
- 37702 001 LEC, 06:30pm-08:15pm M, MonH 151; (weeks 2,4,6,8,10,12,14); Williams, Julie Marie, 1 cr
- 4501 Educational Psychology**
(A-F only; prereq Admission to EdSe program; no Grad School credit)
- 36422 001 LEC, 10:00am-10:50am MWF, MonH 108; Langseth, Jody L, 3 cr
36874 002 LEC, 11:00am-11:50am MWF, MonH 108; Langseth, Jody L, 3 cr

- 4600 Student Teaching**
(max crs 12; S-N only; prereq 4501, 5100, appropriate methods course; no Grad School credit)
- 36932 001 PRC, 12 cr
37394 002 PRC, 12 cr
38263 003 PRC, 12 cr
38264 004 PRC, 12 cr
38265 005 PRC, 12 cr
38266 006 PRC, 12 cr
38267 007 PRC, 12 cr
38268 008 PRC, 12 cr
38269 009 PRC, 12 cr
38270 010 PRC, 6 cr
38271 011 PRC, 6 cr
38272 012 PRC, 6 cr
38273 013 PRC, 6 cr
38274 014 PRC, 6 cr
38275 015 PRC, 6 cr
38276 016 PRC, 6 cr
38277 017 PRC, 6 cr
38278 018 PRC, 6 cr
- 4993 Special Area Project**
(max crs 4; A-F only; prereq Instructor consent; no Grad School credit)
- 36933 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)
- 36934 001 LEC, 08:00am-09:50am F, MonH 108; Glisczynski, Daniel Joseph, 2 cr
36935 002 LEC, 12:00pm-01:50pm T, BohH 112; Glisczynski, Daniel Joseph, 2 cr
37614 003 LEC, 05:00pm-06:50pm Th, BohH 104; Glisczynski, Daniel Joseph, 2 cr
41497 400 LEC; (Meet at Fond du Lac Community College), 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)
- 35933 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, LSci 160; Rios-Gutierrez, Fernando
36859 002 LAB, 09:00am-12:00pm T, MWAH 393; Rios-Gutierrez, Fernando, 4 cr
36860 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
37478 007 LAB, 10:00am-01:00pm Th, MWAH 393; Yang, Jiann-Shiou, 4 cr
37508 008 LAB, 01:00pm-04:00pm Th, MWAH 393; Yang, Jiann-Shiou; Skoglund, Carol A, 4 cr
- 2006 Electrical Circuit Analysis**
(A-F only; prereq Phys 1201, concurrent registration is required (or allowed) in Math 3280)
- 001 LEC, 11:00am-11:50am MWF, MWAH 191; Norr, Scott R
35968 002 LAB, 09:00am-12:00pm T, MWAH 391; Norr, Scott R, 4 cr
35969 003 LAB, 01:00pm-04:00pm T, MWAH 391; Norr, Scott R, 4 cr
004 LEC, 03:00pm-03:50pm MWF, MWAH 191; Zimmerman, George Lee
43378 005 LAB, 04:00pm-07:00pm T, Room TBA, DULUTH; Zimmerman, George Lee, 4 cr
- 2111 Linear Systems and Signal Analysis**
(A-F only; prereq 2006)
- 001 LEC, 11:00am-11:50am MWF, Chem 155; Alba-Flores, Rocio
36953 002 LAB, 09:00am-12:00pm Th, MWAH 377; Alba-Flores, Rocio, 4 cr
36954 003 LAB, 01:00pm-04:00pm Th, MWAH 377; Alba-Flores, Rocio, 4 cr

2212 Electronics I (A-F only; prereq 2006)	36023 008 DRS; Stachowicz, Marian S, 3 cr	3355 Critical Thinking: Elementary Mathematics (A-F only; prereq Concurrent registration is required (or allowed) in the following: 3113, 3325, 3331; Educ 3412, Hlth 5161, PE 3126, elem/middle school ed candidate)
001 LEC, 12:00pm-12:50pm MWF, MWAH 191; Burns, Stanley G	36024 009 DRS, 3 cr	36727 001 LEC, 01:00pm-02:40pm MW, MonH 121; (Practicum arr), 4 cr
36862 002 LAB, 10:00am-01:00pm Th, MWAH 391; Burns, Stanley G, 4 cr	37088 010 DRS; Norr, Scott R, 3 cr	36728 002 LEC, 03:00pm-04:40pm MW, MonH 151; (Practicum arr), 4 cr
36863 003 LAB, 02:00pm-05:00pm Th, MWAH 391; Burns, Stanley G, 4 cr	37443 011 DRS; Rios-Gutierrez, Fernando, 3 cr	39440 400 LEC; (class meets at Fond du Lac Community College), 4 cr
2325 Microcomputer System Design (A-F only; prereq 1315)	37444 012 DRS; Alba-Flores, Rocio, 3 cr	3381 Teaching American Indian Students in the Elementary Classroom (A-F only; prereq EIED major)
001 LEC, 02:00pm-02:50pm MWF, Chem 150; Rios-Gutierrez, Fernando	5151 Digital Control System Design (A-F only; prereq 3151, 3341, credit will not be granted if credit received for 4151)	38196 001 LEC, 03:00pm-04:40pm T, MonH 151; Albert-Peacock, Elizabeth (Betsy) L., 2 cr
35986 002 LAB; Rios-Gutierrez, Fernando, 4 cr	37948 001 LEC, 12:00pm-12:50pm MWF, LSci 170; Yang, Jiann-Shiou, 3 cr	4344 Teaching Science and Environmental Education (A-F only; prereq 3113, concurrent registration is required (or allowed) in 4345, 4366, SpEd 5310, elem/middle school educ candidate or instructor consent; no Grad School credit)
3151 Control Systems (A-F only; prereq 2111)	5741 Digital Signal Processing (A-F only; prereq 2111, credit will not be granted if credit received for 4741)	37295 001 LEC, 01:00pm-02:40pm MW, MonH 151; (Practicum arr); Yoon PhD, Jiyoon, 4 cr
36864 001 LEC, 03:00pm-03:50pm MWF, LSci 160; Yang, Jiann-Shiou, 3 cr	38208 001 LEC, 3 cr	4345 Instructional Strategies, Assessment, and Management (A-F only; prereq 3113, concurrent registration is required (or allowed) in the following: 4344, 4366, SpEd 5310, elem/middle school educ candidate or instructor consent; no Grad School credit)
3235 Electronics II (A-F only; prereq 2212)	5831 Fuzzy Set Theory and Its Application (A-F only; prereq CS 1521, Math 3280, credit will not be granted if credit received for 4831)	37296 001 LEC, 10:00am-11:15am MW, MonH 121; (Practicum arr); Mweiti, Chang'aa, 3 cr
001 LEC, 02:00pm-02:50pm MWF, MWAH 191; Shaer, Bassam R	37600 001 LEC, 04:00pm-05:15pm MW, MWAH 191; Stachowicz, Marian S, 3 cr	4366 Teaching Social Studies and Environmental Education (A-F only; prereq 3113, kindergarten elem/middle school educ candidate, concurrent registration required (or allowed) in 4344, 4345, SpEd 5310; no Grad School credit)
35974 002 LAB, 09:00am-12:00pm Th, MWAH 293; Shaer, Bassam R, 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))	37297 001 LEC, 01:00pm-02:40pm TTh, MonH 203; (Practicum arr); Babiuk PhD, Gary E, 4 cr
37401 003 LAB, 01:00pm-04:00pm Th, MWAH 293; Shaer, Bassam R, 4 cr	39595 001 THE; Burns, Stanley G, 1-18 cr	4400 Professional Development Seminar for Elementary Education Majors (max crs 3; 3 repeats allowed; A-F only; prereq elem/middle school educ candidate; no Grad School credit)
3341 Digital Computer Circuits (A-F only; prereq 2325)	ELEMENTARY EDUCATION (EIED) College of Education & Human Service Professions	37655 001 LEC, 03:00pm-04:40pm W, BohH 346; (Weeks 2, 4, 6, 8, 10, 15); Hazareesingh, Nedra A, 1 cr
001 LEC, 08:00am-08:50am MWF, MWAH 191; Carroll, Christopher Ralph	1010 Introduction to Elementary Education (A-F only; prereq Pre EIED)	37754 002 LEC, 01:00pm-02:40pm W, MonH 203; (Weeks 2, 4, 6, 8, 10, 15); Hazareesingh, Nedra A, 1 cr
35992 002 LAB; Carroll, Christopher Ralph, 4 cr	36828 001 LEC, 01:00pm-02:15pm TTh, MonH 121; (Practicum 2 hrs per wk arr); Dietrich, Jane Ellen, 3 cr	39451 400 LEC; (class meets at Fond du Lac Community College), 1 cr
3445 Electromagnetic Fields (A-F only; prereq Math 3280, 3298, Phys 1201, 1204)	37097 002 LEC, 02:30pm-03:45pm TTh, MonH 121; (Practicum 2 hrs per wk arr); Dietrich, Jane Ellen, 3 cr	4600 Student Teaching (max crs 12; S-N only; prereq SR, EIED candidate; no Grad School credit)
36000 001 LEC, 09:00am-09:50am MWF, MWAH 191; Zimmerman, George Lee, 3 cr	37646 003 LEC, 10:00am-12:40pm F, MonH 151; (Practicum 2 hrs per wk arr); Dietrich, Jane Ellen, 3 cr	36926 001 PRC, 12 cr
4305 Computer Architecture (A-F only; prereq 3341)	3113 Learning Environments and Diverse Learning Communities (max crs 4; A-F only; prereq Concurrent registration is required (or allowed) in the following: 3325, 3331, 3355; Educ 3412, Hlth 5161, PE 3126, el/middle school ed candidate)	37395 002 PRC, 12 cr
001 LEC, 10:00am-10:50am MWF, HH 216; Carroll, Christopher Ralph	36706 001 LEC, 03:00pm-04:40pm TTh, MonH 108; (Practicum arr) (meets concurrently with SpEd 3310-1 on T); Hazareesingh, Nedra A, 3-4 cr	38279 003 PRC, 12 cr
36866 002 LAB; Carroll, Christopher Ralph, 4 cr	36891 002 LEC, 01:00pm-02:40pm TTh, MonH 108; (Practicum arr) (meets concurrently with SpEd 3310-2 on T); Hazareesingh, Nedra A, 3-4 cr	38280 004 PRC, 12 cr
4321 Computer Networks (A-F only; prereq 3341, Stat 3611)	39436 400 LEC; (class meets at Fond du Lac Community College), 3-4 cr	38281 005 PRC, 12 cr
36867 001 LEC, 03:00pm-03:50pm MWF, Chem 155; Kwon, Taek Mu, 3 cr	3325 Language and Literacy (A-F only; prereq Concurrent registration is required (or allowed) in the following: 3113, 3331, 3355; Educ 3412, Hlth 5161, PE 3126, elem/middle school teacher ed or ECh candidate)	38282 006 PRC, 12 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)	36707 001 LEC, 08:00am-09:40am MW, MonH 151; (Practicum arr); Stevenson, Jean Myers, 4 cr	38283 007 PRC, 6 cr
36006 001 DRS; Burns, Stanley G, 1 cr	36936 002 LEC, 10:00am-11:40am MW, MonH 151; (Practicum arr); Stevenson, Jean Myers, 4 cr	38284 008 PRC, 6 cr
36007 002 DRS, 1 cr	39437 400 LEC; (class meets at Fond du Lac Community College), 4 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 instructor consent; no Grad School credit)
36008 003 DRS; Carroll, Christopher Ralph, 1 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; Educ 3412, Hlth 5161, PE 3126, elem/middle school teacher ed or ECh candidate)	37083 001 PRC, 6 cr
36009 004 DRS; Yang, Jiann-Shiou, 1 cr	36711 001 LEC, 10:00am-11:40am TTh, MonH 121; (Practicum arr), 4 cr	38479 002 PRC, 6 cr
36010 005 DRS; Kwon, Taek Mu, 1 cr	37294 002 LEC, 08:00am-09:40am TTh, MonH 121; (Practicum arr), 4 cr	38480 003 PRC, 6 cr
36011 006 DRS; Shaer, Bassam R, 1 cr		38481 004 PRC, 6 cr
36012 007 DRS; Hasan, Mohammed A, 1 cr		38482 005 PRC, 6 cr
36013 008 DRS; Stachowicz, Marian S, 1 cr		38488 006 PRC, 6 cr
36014 009 DRS, 1 cr		4991 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Department consent; no Grad School credit)
37086 010 DRS; Norr, Scott R, 1 cr		36927 001 IND, 1-6 cr
37439 011 DRS; Rios-Gutierrez, Fernando, 1 cr		4993 Special Area Project (max crs 4; A-F only; prereq Instructor consent; no Grad School credit)
37440 012 DRS; Alba-Flores, Rocio, 1 cr		36928 001 DST, 1-4 cr
4991 Independent Study (max crs 3; A-F only; prereq Instructor consent; does not qualify as ECE technical elective; no Grad School credit)		
36445 001 IND; Burns, Stanley G, 1-3 cr		
36446 002 IND; Shehadeh, Nazmi M, 1-3 cr		
36447 003 IND; Carroll, Christopher Ralph, 1-3 cr		
36448 004 IND; Yang, Jiann-Shiou, 1-3 cr		
36449 005 IND; Kwon, Taek Mu, 1-3 cr		
36450 006 IND; Shaer, Bassam R, 1-3 cr		
36451 007 IND; Hasan, Mohammed A, 1-3 cr		
36452 008 IND; Stachowicz, Marian S, 1-3 cr		
36453 009 IND, 1-3 cr		
37087 010 IND; Norr, Scott R, 1-3 cr		
37441 011 IND; Rios-Gutierrez, Fernando, 1-3 cr		
37442 012 IND; Alba-Flores, Rocio, 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)		
36016 001 DRS; Burns, Stanley G, 3 cr		
36017 002 DRS, 3 cr		
36018 003 DRS; Carr, Christopher Ralph, 3 cr		
36019 004 DRS; Yang, Jiann-Shiou, 3 cr		
36020 005 DRS; Kwon, Taek Mu, 3 cr		
36021 006 DRS; Shaer, Bassam R, 3 cr		
36022 007 DRS; Hasan, Mohammed A, 3 cr		

- 5993 Special Area Project**
(max crs 4; A-F only; prereq Instructor consent;
no Grad School credit)
36929 001 DST, 1-4 cr

ENGINEERING (Engr)**College of Science & Engineering**

- 2015 Statics**
(prereq Math 1297, Phys 1201)
35982 001 LEC, 02:00pm-03:15pm TTh, H 314;
Khorroosi, Hossain, 3 cr
- 2016 Mechanics of Materials**
(prereq 2015, concurrent registration is required
(or allowed) for Math 3280)
35984 001 LEC, 12:00pm-12:50pm MWF, Engr 290;
Khorroosi, Hossain, 3 cr
- 2026 Dynamics**
(prereq 2015, concurrent registration is required
(or allowed) for Math 3280)
35983 001 LEC, 11:00am-11:50am MWF, Engr 280;
Khorroosi, Hossain, 3 cr

ENGINEERING MANAGEMENT**(EMgt)****College of Science & Engineering**

- 5110 Management of Engineers and Technology**
(A-F only; prereq EMgt student or department
consent)
42598 811 LEC, 06:00pm-08:40pm M, Library 410;
Rosandich, Ryan G, 3 cr
42599 813 LEC, 06:00pm-08:40pm M, Room TBA,
DULUTH; (Mesabi Community College);
Rosandich, Ryan G, 3 cr
42600 814 LEC, 06:00pm-08:40pm M, Room TBA,
DULUTH; (NCROC); Rosandich, Ryan G, 3 cr
42601 815 LEC, 06:00pm-08:40pm M, Room TBA,
DULUTH; (Wisconsin Indianhead Tech
College); Rosandich, Ryan G, 3 cr
- 5160 Quality Management**
(A-F only; prereq EMgt student or department
consent.)
38117 811 LEC, 06:00pm-08:40pm T, Room TBA,
DULUTH; (ITV); Wyrick, David Alan, 3 cr
38118 812 LEC, 06:00pm-08:40pm T, Room TBA,
OFFCAMPUS; (Hibbing Comm College);
Wyrick, David Alan, 3 cr
38119 813 LEC, 06:00pm-08:40pm T, Room TBA,
OFFCAMPUS; (Mesabi Comm College,
Virginia-ITV); Wyrick, David Alan, 3 cr
38120 814 LEC, 06:00pm-08:40pm T, Room TBA,
OFFCAMPUS; (NCROC, Grand Rapids);
Wyrick, David Alan, 3 cr
38460 815 LEC; (Cesa #12, Ashland WI); Wyrick,
David Alan, 3 cr
- 5220 Environmental Issues in Engineering**
(A-F only; prereq EMgt student or department
consent.)
38113 811 LEC, 06:00pm-08:40pm W, Room TBA,
DULUTH; (ITV); Stauber, James D, 3 cr
38114 812 LEC, 06:00pm-08:40pm W, Room TBA,
OFFCAMPUS; (Hibbing Comm College);
Stauber, James D, 3 cr
38115 813 LEC, 06:00pm-08:40pm W, Room TBA,
OFFCAMPUS; (Mesabi Comm College,
Virginia); Stauber, James D, 3 cr
38116 814 LEC, 06:00pm-08:40pm W, Room TBA,
OFFCAMPUS; (NCROC, Grand Rapids);
Stauber, James D, 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))
37852 811 THE; Wyrick, David Alan, 1-18 cr
- 8993 Engineering Management Seminar**
(S-N only; prereq Grad student, department
consent)
42597 811 SEM, 04:00pm-04:50pm M, Engr 118;
Wyrick, David Alan, 1 cr
- 8994 Directed Research**
(max crs 8; 8 repeats allowed; A-F only; prereq
MSEM or grad student, department consent)
42596 811 DRS, 1-4 cr

ENGLISH (Engl)**College of Liberal Arts**

- 1001 Great American Authors**
(A-F only; meets LE req of LE CAT9)
37986 001 LEC, 10:00am-10:50am MWF, ABAH
235; 30 seats reserved for Learning
Community F04; Schwetman, John David, 3
cr
- 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)
39461 001 LEC, 08:00am-08:50am MWF, MonH 70;
1 seat reserved for Continuing education;
Hewitson, James, 3 cr
- 1507 Time and Place**
(A-F only; meets LE req of LE CAT9)
37987 001 LEC, 09:00am-09:50am MWF, Chem
155; Basham, Kate, 3 cr
- 1575 20th-Century Literature**
(A-F only; prereq Primarily for nonmajors;
meets LE req of LE CAT9)
37988 001 LEC, 09:30am-10:45am TTh, ABAH 245;
Bock, Martin F, 3 cr
- 1582 Introduction to World Literatures**
(A-F only; meets LEIP req of LEIP CAT9)
35939 001 LEC, 10:00am-10:50am MWF, ABAH
245; Pelletier, Yvonne Elizabeth, 3 cr
38168 002 LEC, 01:00pm-01:50pm MWF, ABAH
225; 1 seat reserved for Continuing
education; Pelletier, Yvonne Elizabeth, 3 cr
- 1585 Australian & New Zealand Literature**
(A-F only; meets LEIP req of LEIP CAT9)
39566 001 LEC, 12:00pm-12:50pm MWF, ABAH
225; 1 seat reserved for Continuing
education; Cannan, Paul D, 3 cr
- 1801 Freshman Seminar: American Gothic**
(A-F only; prereq Freshman, fewer than 30 cr.;
meets LE req of LE CAT9)
37663 001 SEM, 11:00am-11:50am MWF, H 480;
Hewitson, James, 3 cr
- 1907 Introduction to Literature**
(A-F only; prereq Primarily for nonmajors;
meets LE req of LE CAT9)
37664 001 LEC, 02:00pm-02:50pm MWF, VKH 221;
Hewitson, James, 3 cr
41692 002 LEC, 03:00pm-04:15pm MW, Chem 150;
Pelletier, Yvonne Elizabeth, 3 cr
- 2571 Contemporary Literature**
(A-F only; meets LE req of LE CAT9)
35948 001 LEC, 03:30pm-04:45pm TTh, ABAH 235;
1 seat reserved for Continuing education;
Basham, Kate, 3 cr
- 3115 Writing Fiction**
(max crs 8; A-F only; prereq Comp 1120 or
instructor consent)
35940 001 SEM, 12:00pm-01:50pm TTh, MonH 30;
Maiolo, Joseph C, 4 cr
- 3411 The Modern Short Story**
(A-F only)
39462 001 LEC, 02:00pm-03:50pm M, ABAH 235,
03:00pm-03:50pm WF, ABAH 235; Maiolo,
Joseph C, 4 cr
- 3501 British Literature I**
(A-F only; prereq Engl major or minor or teach
comm art/lit major or minor)
35941 001 LEC, 10:00am-11:50am TTh, Engr 280;
Twu, Krista Sue-Lo, 4 cr
- 3563 American Literature I**
(A-F only)
35942 001 LEC, 08:00am-08:50am MW, Cina 202,
08:00am-08:50am TTh, Chem 150; Lips,
Roger Cameron, 4 cr
- 3564 American Literature II**
(A-F only)
37780 001 LEC, 08:00am-08:50am MF, ABAH 245,
08:00am-09:50am W, ABAH 245;
Schwetman, John David, 4 cr
- 3906 Methods of Literary Study**
(A-F only; prereq Comp 1120, Engl major or Tch
Comm Art/Lit major or instructor consent)
35943 001 LEC, 02:00pm-03:50pm TTh, H 458;
Bock, Martin F, 4 cr
- 4909 Senior Portfolio**
(S-N only; prereq Engl major, sr)
37489 001 SEM; Adams, Stephen James; Bock,
Carol Ann; Miller Cleary, Linda; Bock, Martin
F; Maiolo, Joseph C; Sigler, Carolyn;
Basham, Kate, 1 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)
37638 001 PRC, 4 cr
- 5222 Shakespeare**
(A-F only; prereq 6 cr literature)
39463 001 LEC, 02:00pm-02:50pm WF, MonH 208,
02:00pm-03:50pm M, MonH 208; Cannan,
Paul D, 4 cr
- 5331 Milton**
(A-F only; prereq 6 cr literature)
37992 001 LEC, 4 cr
- 5574 Studies in American Literature to 1914**
(A-F only)
38172 001 LEC, 11:00am-11:50am MTWTh, BohH
112; Lips, Roger Cameron, 4 cr
- 5583 British Novel**
(A-F only)
37995 001 LEC, 12:00pm-12:50pm MF, ABAH 235,
12:00pm-01:50pm W, ABAH 235; Bock,
Carol Ann, 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)
37082 001 DST; Bock, Carol Ann; Bock, Martin F,
1-5 cr
- 5661 Publishing the Middle Ages**
(A-F only; prereq Jr or sr or grad student or
instructor consent)
40170 001 LEC, 4 cr
- 5821 History of the English Language**
(A-F only)
37063 001 LEC, 11:00am-12:50pm M, H 314,
11:00am-11:50am WF, H 314; Linn, Michael
Duncan, 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)
36955 001 LEC, 04:00pm-05:50pm TTh, H 458;
Miller Cleary, Linda, 4 cr
38220 002 LEC, 04:00pm-05:50pm TTh, H 480, 4 cr
- 5922 Teaching Literature and Communication**
(S-N only; prereq 5902, teach comm art/lit major
or minor or TESOL licensure or instructor
consent)
35947 001 LEC, 12:00pm-01:40pm TTh, H 480,
12:00pm-12:50pm Th, SCC 42; Miller
Cleary, Linda, 4 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and
DGS consent)
37090 001 DRS; Adams, Stephen James, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq doctoral student, adviser and DGS
consent)
37198 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 exam)
37209 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)
37239 001 THE, 1-24 cr

- 8906 Introduction to Critical Theory**
(A-F only; prereq Grad Student)
35946 001 LEC, 04:00pm-05:50pm TTh, H 314;
Twu, Krista Sue-Lo, 4 cr
- 8931 Practicum in Teaching Literature**
(A-F only; prereq 8 cr grad-level literature or
instructor consent)
37177 001 PRC, 4 cr

ENVIRONMENTAL EDUCATION (EnEd)

College of Education & Human Service Professions

- 3331 Organization of Environmental Education
Centers**
(A-F only; prereq 2300 or instructor consent; cr
will not be granted if cr received for Rec 3331)
37707 001 LEC, 02:00pm-05:00pm F, SpHC 208;
Beery, Thomas Harold, 2 cr
- 3341 Field Interpretive Techniques I**
(A-F only; prereq 1000 or instructor consent; cr
will not be granted if cr received for Rec 3341)
36737 001 LEC, 02:00pm-04:50pm W, SpHC 210;
Bates, Timothy Alan, 3 cr
37755 002 LEC, 02:00pm-04:50pm W, SpHC 212, 3
cr
- 4996 Outdoor Education Internship**
(S-N only; prereq Rec major, instructor consent;
no Grad School credit; cr will not be granted if cr
received for Rec 4996)
36739 001 IEX; Beery, Thomas Harold, 12 cr
- 4998 Outdoor Education Seminar**
(max crs 3; 3 repeats allowed; S-N only; prereq
Rec major, instructor consent; cr will not be
granted if cr received for Rec 4998)
36740 001 SEM, 04:00pm-05:00pm M, SpHC 208;
Beery, Thomas Harold, 1 cr

ENVIRONMENTAL STUDIES (ES)

College of Liberal Arts

- 1001 Introductory Seminar**
(A-F only)
37605 001 SEM, 11:00am-12:40pm W, Cina 308;
Mageau, Michael T, 2 cr
- 2001 Ecosystems I**
(A-F only; prereq ES major)
37578 001 LEC, 09:00am-10:15am MW, Room
TBA, DULUTH; Mageau, Michael T, 3 cr
- 4001 Independent Study**
(A-F only; prereq 60 cr or instructor consent; no
Grad School credit)
37099 001 IND; Freundschuh, Scott, 1-3 cr

EXERCISE SCIENCE ATHLETIC TRAINING (ESAT)

College of Education & Human Service Professions

- 2610 Introduction to Athletic Training**
(A-F only; prereq Pre-athletic training; cr will not
be granted if cr received for PEP 2610)
36830 001 LEC, 10:00am-10:50am MWF, SpHC
207; Dewald, Lori L, 3 cr
- 2620 Athletic Emergency Care**
(A-F only; prereq Pre-athletic training; instructor
consent; cr will not be granted if cr received for
PEP 2620)
38106 001 LEC, 08:00am-09:15am MW, SpHC 21,
2 cr
- 2697 Clinical Experience in Athletic Training I**
(A-F only; prereq 2610, 2620, Athletic Training
major, instructor consent)
38107 001 CLN, 1 cr
- 3200 Motor Learning**
(A-F only; prereq Athletic training or exercise
science or pe cand or instructor consent; cr will
not be granted if received for PEP 3020)
001 LEC, 10:00am-10:50am MWF, SpHC
205; Millslagle, Duane G.
- 36798 002 LAB, 01:00pm-01:50pm T, SpHC 135,
01:00pm-01:50pm T, SpHC 205; Millslagle,
Duane G., 3 cr
- 36799 003 LAB, 02:00pm-02:50pm T, SpHC 135,
02:00pm-02:50pm T, SpHC 205; Millslagle,
Duane G., 3 cr
- 3210 Exercise Adherence**
(A-F only; prereq Psy 1003, athletic training or
exercise science candidate or instructor consent;
cr will not be granted if cr received for PEP
3021)
40168 001 LEC, 08:00am-08:50am MWF, SpHC
210; Millslagle, Duane G., 3 cr
- 3300 Human Biomechanics**
(A-F only; prereq Phys 1001, athletic training or
exercise science cand or instructor consent; cr
will not be granted if cr received for PEP 3030)
001 LEC, 02:00pm-02:50pm MWF, SpHC
207; Levy, Morris
37491 002 LAB, 08:00am-09:15am T, SpHC 205,
08:00am-09:15am T, FH 25; Levy, Morris, 4
cr
37492 003 LAB, 09:30am-10:45am T, SpHC 205,
09:30am-10:45am T, FH 25; Levy, Morris, 4
cr
39445 004 LAB, 08:00am-09:15am Th, SpHC 205,
08:00am-09:15am Th, FH 25; Levy, Morris, 4
cr
- 3400 Exercise Physiology**
(A-F only; prereq Hlth 2040, athletic training or
exercise science cand or instructor consent; cr
will not be granted if cr received for PEP 3040)
001 LEC, 11:00am-11:50am MWF, SpHC
207; Keener, John R
36718 002 LAB, 09:30am-10:45am Th, SpHC 201;
Keener, John R, 4 cr
36719 003 LAB, 08:00am-09:15am Th, SpHC 201;
Keener, John R, 4 cr
- 3410 Sports Nutrition**
(A-F only; prereq 3400 or PEP 3040 or Hlth
2040, ath trng or exer sci or hlth ed or rec cand
or instructor consent, credit will not be granted if
credit received for PE 3470 or PEP 3470)
37185 001 LEC, 12:00pm-12:50pm MWF, SpHC
207; Harkins, Charlene Gail, 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)
001 LEC, 12:00pm-12:50pm MWF, SpHC
205
37583 002 LAB, 12:00pm-01:15pm Th, SpHC 201, 3
cr
39439 003 LAB, 02:00pm-03:15pm Th, SpHC 201, 3
cr
- 3630 Upper Extremity Injuries**
(A-F only; prereq 3600 or CC 3116, athletic
training major, instructor consent, credit will not
be granted if credit received for PEP 3620)
38108 001 LEC, 01:00pm-01:50pm MWF, SpHC
210; Dewald, Lori L, 3 cr
- 3640 Therapeutic Modalities**
(A-F only; prereq 3600 or CC 3116, athletic
training major, instructor consent, credit will not
be granted if credit received for PEP 3640)
38109 001 LEC, 11:00am-11:50am MWF, SpHC 21,
3 cr
- 3697 Clinical Experiences in Athletic Training III**
(A-F only; prereq 2698, Athletic Training major,
instructor consent)
38110 001 CLN, 2 cr
- 4697 Clinical Experiences in Athletic Training V**
(A-F only; prereq 3697, Athletic Training major,
instructor consent; no Grad School credit)
38124 001 CLN, 2 cr
- 4700 Research in Exercise Physiology**
(A-F only; prereq Exercise science candidate, 90
cr; cr will not be granted if cr received for PEP
5700, no Grad School credit)
37419 001 LEC, 01:00pm-01:50pm MWF, SpHC
205; Levy, Morris, 3 cr

- 4996 Internship**
(max crs 12; 4 repeats allowed; S-N only; prereq
3420 or PEP 3400, exer sci health and fitness
concentration cand, instructor consent; no Grad
School credit; cr will not be granted if cr received
for PEP 4996)
36716 001 IEX, 3-12 cr

FAMILY MEDICINE (FMed)

Duluth School of Medicine

- 5591 Independent Study**
(max crs 12; 12 repeats allowed; prereq
Department consent)
37430 001 LAB, 1-8 cr
- 7100 Clinical Family Medicine**
(max crs 117; 9 repeats allowed; P-N only;
prereq Department consent; no grad credit)
36794 001 CLN; Adams, Jeffrey L, 13 cr

FINANCE & MANAGEMENT INFORMATION (FMIS)

School of Business & Economics

- 1201 Introduction to Business Information
Systems**
(A-F only)
36329 001 LEC, 03:00pm-03:50pm MWF, MonH 70;
107 seats reserved for LSBE Students; Meets
with: 36330 FMIS 1201; Person PhD, Henry
B, 3 cr
36330 002 LEC, 03:00pm-03:50pm MWF, MonH 70;
18 seats reserved for Non-LSBE students; 1
seat reserved for Continuing education;
Meets with: 36329 FMIS 1201; Person PhD,
Henry B, 3 cr
37312 003 LEC, 04:00pm-04:50pm MWF, MonH 70;
107 seats reserved for LSBE Students; Meets
with: 37313 FMIS 1201; Person PhD, Henry
B, 3 cr
37313 004 LEC, 04:00pm-04:50pm MWF, MonH 70;
19 seats reserved for Non-LSBE students; 1
seat reserved for Continuing education;
Meets with: 37312 FMIS 1201; Person PhD,
Henry B, 3 cr
- 3141 Business Communications**
(A-F only; prereq LSBE cand or Econ major or
college consent)
36327 001 LEC, 08:00am-08:50am MWF, SBE 40;
27 seats reserved for LSBE candidates;
Meets with: 36328 FMIS 3141, 3 cr
36328 002 LEC, 08:00am-08:50am MWF, SBE 40; 3
seats reserved for Econ major; Meets with:
36327 FMIS 3141, 3 cr
37314 003 LEC, 10:00am-10:50am MWF, SBE 40;
27 seats reserved for LSBE candidates;
Meets with: 37315 FMIS 3141, 3 cr
37315 004 LEC, 10:00am-10:50am MWF, SBE 40; 3
seats reserved for Econ major; Meets with:
37314 FMIS 3141, 3 cr
37403 005 LEC, 11:00am-11:50am MWF, SBE 40;
27 seats reserved for LSBE candidates;
Meets with: 37404 FMIS 3141, 3 cr
37404 006 LEC, 11:00am-11:50am MWF, SBE 40; 3
seats reserved for Econ major; Meets with:
37403 FMIS 3141, 3 cr
38097 007 LEC, 06:00pm-08:40pm W, SBE 50; 27
seats reserved for LSBE candidates; Meets
with: 38098 FMIS 3141, 3 cr
38098 008 LEC, 06:00pm-08:40pm W, SBE 50; 3
seats reserved for Econ major; Meets with:
38097 FMIS 3141, 3 cr
38286 009 LEC, 08:00am-09:15am TTh, SBE 40; 27
seats reserved for LSBE candidates; Meets
with: 38287 FMIS 3141, 3 cr
38287 010 LEC, 08:00am-09:15am TTh, SBE 40; 3
seats reserved for Econ major; Meets with:
38286 FMIS 3141, 3 cr
- 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)
36338 001 LEC, 09:00am-09:50am MWF, SBE 16;
48 seats reserved for LSBE candidates;
Meets with: 36339 FMIS 3201; Li, Dahui, 3 cr
36339 002 LEC, 09:00am-09:50am MWF, SBE 16; 6
seats reserved for Non-LSBE BA min/CS/
Engr; Meets with: 36338 FMIS 3201; Li,
Dahui, 3 cr

36340	003 LEC, 03:00pm-03:50pm MWF, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 37316 FMIS 3201; Hassan, Nik R., 3 cr	37326	003 LEC, 02:00pm-02:50pm MWF, SBE 50; 30 seats reserved for LSBE candidates; Meets with: 37327 FMIS 3601, 3 cr	1201	Intermediate French I (A-F only; prereq 3-4 yrs high school Fr or 1102 or instructor consent; meets LE req of LE CAT3)
37316	004 LEC, 03:00pm-03:50pm MWF, SBE 16; 6 seats reserved for Non-LSBE BA min/CS/ Engr; Meets with: 36340 FMIS 3201; Hassan, Nik R., 3 cr	37327	004 LEC, 02:00pm-02:50pm MWF, SBE 50; 4 seats reserved for Non-LSBE Bus Adm min; Meets with: 37326 FMIS 3601, 3 cr	35930	001 LEC, 01:00pm-01:50pm MTThF, H 490; Kovacovic, Milan, 4 cr
37317	005 LEC, 08:00am-09:15am TTh, SBE 16; 40 seats reserved for LSBE candidates; Meets with: 37318 FMIS 3201, 3 cr	37693	005 LEC, 11:00am-12:15pm TTh, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 37694 FMIS 3601; Dhatt, Manjeet, 3 cr	2301	Advanced French (A-F only; prereq 5 yrs high school Fr or 1202 or instructor consent; meets LE req of LE CAT3; meets LEIP req of LEIP CAT3)
37318	006 LEC, 08:00am-09:15am TTh, SBE 16; 6 seats reserved for Non-LSBE BA min/CS/ Engr; Meets with: 37317 FMIS 3201, 3 cr	37694	006 LEC, 11:00am-12:15pm TTh, SBE 16; 6 seats reserved for Non-LSBE Bus Adm min; Meets with: 37693 FMIS 3601; Dhatt, Manjeet, 3 cr	35931	001 LEC, 08:00am-08:50am MTThF, H 468; Jenny, Yolande J, 4 cr
38101	007 LEC, 06:00pm-08:50pm Th, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 38102 FMIS 3201, 3 cr	38103	007 LEC, 06:00pm-08:50pm W, SBE 36; 30 seats reserved for LSBE candidates; Meets with: 38104 FMIS 3601, 3 cr	3591	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq 2301 with C or better, instructor consent)
38102	008 LEC, 06:00pm-08:50pm Th, SBE 16; 1 seat reserved for Non-LSBE BA min/CS/ Engr; Meets with: 38101 FMIS 3201, 3 cr	38104	008 LEC, 06:00pm-08:50pm W, SBE 36; 4 seats reserved for Non-LSBE Bus Adm min; Meets with: 38103 FMIS 3601, 3 cr	35932	001 IND, 1-4 cr
3222	Systems Analysis and Design (A-F only; prereq 3201, 3421, LSBE cand or college consent.)	3612	Managerial Finance (A-F only; prereq 3601, LSBE cand or college consent)	4482	Voltaire and Rousseau in English (A-F only; prereq 2301 or equiv with C or better or instructor consent; no Grad School credit)
36342	001 LEC, 02:00pm-02:50pm MWF, SBE 40; Hassan, Nik R., 3 cr	36365	001 LEC, 03:30pm-04:45pm TTh, SBE 40; Dhatt, Manjeet, 3 cr	39460	001 LEC, 10:00am-10:50am MTThF, H 464, 4 cr
3224	TELECOMMUNICATIONS (A-F only; prereq 3201, CS 1121 or CS 1511, LSBE cand or college consent)	3644	Investment Fundamentals (A-F only; prereq 3601, LSBE cand or college consent)	GEOGRAPHY (Geog) College of Liberal Arts	
37945	001 LEC, 04:00pm-05:15pm MW, SBE 40; Li, Dahui, 3 cr	36366	001 LEC, 11:00am-12:15pm TTh, SBE 40, 3 cr	1202	World Regional Geography (A-F only; meets LEIP req of LEIP CAT8)
3232	ASP.Net and Web Services (A-F only; prereq 3201, LSBE candidate or college consent)	3647	Financial Markets and Institutions (A-F only; prereq 3601, LSBE cand or college consent)	35975	001 LEC, 11:00am-12:15pm TTh, SCC 120; 1 seat reserved for Continuing education; Knopp, Lawrence M, 3 cr
39600	001 LEC, 09:30am-10:45am TTh, SBE 40; Lee, Seung Chan, 3 cr	36376	001 LEC, 09:00am-09:50am MWF, SBE 40; Kim, Bum J, 3 cr	1304	Human Geography (A-F only; meets LECD req of LECD CAT6)
3301	Production and Operations Management (A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)	3649	International Finance (A-F only; prereq 3601, LSBE cand or college consent)	35987	001 LEC, 11:00am-11:50am MWF, MonH 80; 25 seats reserved for Learning Community F04; 1 seat reserved for Continuing education; Kuhlke, Olaf, 3 cr
36344	001 LEC, 01:00pm-01:50pm MWF, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 36345 FMIS 3301; Person PhD, Henry B, 3 cr	36425	001 LEC, 12:30pm-01:45pm TTh, SBE 40; Dhatt, Manjeet, 3 cr	1414	Physical Geography (A-F only; meets LE req of LE CAT4)
36345	002 LEC, 01:00pm-01:50pm MWF, SBE 16; 6 seats reserved for Non-LSBE Bus Adm minors; Meets with: 36344 FMIS 3301; Person PhD, Henry B, 3 cr	3991	Independent Study (max crs 3; A-F only; prereq Department consent)	001 LEC, 02:00pm-03:15pm TTh, MonH 80; Zhu, Tongxin	
37321	003 LEC, 06:00pm-08:50pm M, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 37322 FMIS 3301, 3 cr	37081	001 IND; Wong, Shee Q, 1-3 cr	35995	002 LAB, 08:00am-09:40am M, Cina 316; Zhu, Tongxin, 4 cr
37322	004 LEC, 06:00pm-08:50pm M, SBE 16; 6 seats reserved for Non-LSBE Bus Adm minors; Meets with: 37321 FMIS 3301, 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)	35996	003 LAB, 12:00pm-01:40pm M, Cina 316; Zhu, Tongxin, 4 cr
37323	005 LEC, 02:00pm-03:15pm TTh, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 37324 FMIS 3301; Lievano, Rodrigo Joseph, 3 cr	37785	001 LEC, 06:00pm-08:50pm M, SBE 40; Hassan, Nik R., 3 cr	35997	004 LAB, 02:00pm-03:40pm M, Cina 316; Zhu, Tongxin, 4 cr
37324	006 LEC, 02:00pm-03:15pm TTh, SBE 16; 6 seats reserved for Non-LSBE Bus Adm minors; Meets with: 37323 FMIS 3301; Lievano, Rodrigo Joseph, 3 cr	4225	Advanced Applications Development (A-F only; prereq 3222, CS 2121, MIS major or college consent)	35998	005 LAB, 09:00am-10:40am W, Cina 316; Zhu, Tongxin, 4 cr
38099	007 LEC, 06:00pm-08:40pm T, SBE 36; 48 seats reserved for LSBE candidates; Meets with: 38100 FMIS 3301; Lievano, Rodrigo Joseph, 3 cr	37311	001 LEC, 03:30pm-04:45pm TTh, SBE 36; Lee, Seung Chan, 3 cr	37418	006 LAB, 12:00pm-01:40pm W, Cina 316; Zhu, Tongxin, 4 cr
38100	008 LEC, 06:00pm-08:40pm T, SBE 36; 6 seats reserved for Non-LSBE Bus Adm minors; Meets with: 38099 FMIS 3301; Lievano, Rodrigo Joseph, 3 cr	4615	Futures and Options (A-F only; prereq 3644, LSBE cand with 60 cr or grad student or college consent)	37498	007 LAB, 02:00pm-03:40pm W, Cina 316; Zhu, Tongxin, 4 cr
3397	SBE Internship (A-F only; prereq Admitted to LSBE candidacy, consent of internship director)	37946	001 LEC, 02:00pm-03:15pm TTh, SBE 40, 3 cr	37642	008 LAB, 09:00am-10:40am F, Cina 316; Zhu, Tongxin, 4 cr
36957	001 IEX; Kaas, Duane A, 3 cr	4616	Security Analysis (A-F only; prereq 3644, Acct 3101 or Acct 3619; Department Consent; no Grad School credit)	37680	009 LAB, 12:00pm-01:40pm F, Cina 316; Zhu, Tongxin, 4 cr
3421	Database Management and Design (A-F only; prereq CS 1121 or CS 1511, LSBE cand or college consent)	37573	001 LEC, 09:30am-10:45am TTh, SBE 51; Artim, Joseph Keith, 3 cr	39398	090 LET, 06:00pm-09:20pm T, Cina 316; 7 seats reserved for Continuing education; Farrell, Pat, 4 cr
36893	001 LEC, 12:00pm-12:50pm MWF, SBE 40; Li, Dahui, 3 cr	4617	Management of Financial Institutions (A-F only; prereq 3647, LSBE cand with 60 cr or grad student or college consent; offered alt yrs)	2306	Environmental Conservation (A-F only; meets LE req of LE CAT8)
3601	Corporation Finance (A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)	39526	001 LEC, 01:00pm-01:50pm MWF, SBE 40; Kim, Bum J, 3 cr	35988	001 LEC, 08:30am-09:45am TTh, Room TBA, DULUTH; 1 seat reserved for Continuing education; Farrell, Pat, 3 cr
36359	001 LEC, 11:00am-11:50am MWF, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 36892 FMIS 3601; Kim, Bum J, 3 cr	4620	Portfolio Theory and Analysis (max crs 4; A-F only; prereq 4616, Department Consent; no Grad School credit; Credit will not be granted if credit received for FMIS 4611.)	2552	Introduction to Maps and Cartographic Methods (A-F only; meets LE req of LE CAT2)
36892	002 LEC, 11:00am-11:50am MWF, SBE 16; 6 seats reserved for Non-LSBE Bus Adm min; Meets with: 36359 FMIS 3601; Kim, Bum J, 3 cr	37784	001 LEC, 11:00am-12:15pm TTh, SBE 51; Artim, Joseph Keith, 3 cr	36033	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)
				37679	001 LEC, 10:00am-11:40am TTh, Cina 308; Zhu, Tongxin, 4 cr
				3762	Geography of Europe (A-F only; prereq 25 cr incl 6 cr Geog or instructor consent)
				37954	090 LEC, 06:00pm-08:30pm T, H 458; 7 seats reserved for Continuing education; Kuhlke, Olaf, 3 cr
				3991	Independent Study in Geography (max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent)
				36066	001 IND, 04:30pm-05:20pm M, Cina 316; Freundsuh, Scott, 1-4 cr

FRENCH (Fr)**College of Liberal Arts****1101 Beginning French I**

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

35929 001 LEC, 03:00pm-03:50pm MTThF, H 490; 1 seat reserved for Continuing education; Kovacovic, Milan, 4 cr

3997	Internship in Geography (max crs 8; 8 repeats allowed; prereq Geog major, 60 cr or instructor consent)	36763	001 IEX, 04:30pm-05:20pm T, Cina 316; Freundschuh, Scott, 1-6 cr	36127	002 LAB, 08:00am-09:50am M, LSci 120; Goodge, John William, 4 cr	36128	003 LAB, 01:00pm-02:50pm M, LSci 120; Goodge, John William, 4 cr	36129	004 LAB, 03:00pm-04:50pm M, LSci 120; Goodge, John William, 4 cr	36130	005 LAB, 12:00pm-01:50pm T, LSci 120; Goodge, John William, 4 cr	36131	006 LAB, 03:00pm-04:50pm M, LSci 126; 1 seat reserved for Continuing education; Goodge, John William, 4 cr	36132	007 LAB, 10:00am-11:50am T, LSci 120; Goodge, John William, 4 cr	36133	008 LAB, 08:00am-09:50am W, LSci 120, 4 cr	36134	009 LAB, 10:00am-11:50am W, LSci 126; Goodge, John William, 4 cr	36135	010 LAB, 12:00pm-01:50pm W, LSci 120; Goodge, John William, 4 cr	36136	011 LAB, 03:00pm-04:50pm W, LSci 126, 4 cr	36781	012 LAB, 02:00pm-03:50pm W, LSci 120; Goodge, John William, 4 cr	36782	013 LAB, 01:00pm-02:50pm M, LSci 126, 4 cr	36783	014 LAB, 10:00am-11:50am Th, LSci 120; Goodge, John William, 4 cr	36784	015 LAB, 12:00pm-01:50pm Th, LSci 120; Goodge, John William, 4 cr	36785	016 LAB, 12:00pm-01:50pm F, LSci 126, 4 cr	2120	The Earth's Dynamic Interior (A-F only; prereq 1110 or 2110)	37556	001 LEC, 02:00pm-03:15pm TTh, MWAH 191; Hansen, Vicki L, 3 cr	2311	Mineralogy (A-F only; prereq Credit will not be granted if credit received for 2300; 1110, 1 sem college chem or instructor approval)	001 LEC, 09:00am-09:50am TTh, HH 120; Morton, Penelope	37688	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 Instructor consent; meets LEIP req of LEIP CAT5)	36191	001 LEC, 03:00pm-04:15pm MW, SCC 120; Watrus, Nigel James, 3 cr	2610	Oceanography (A-F only; meets LE req of LE CAT5)	36504	001 LEC, 01:00pm-01:50pm MWF, LSci 185; 1 seat reserved for Continuing education; Brown, Erik Thorson, 3 cr	3091	Independent Study (max crs 4; 4 repeats allowed; prereq Instructor consent)	36686	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	38146	002 LEC, 09:00am-09:50am MWF, HH 114; Demko, Timothy Michael, 4 cr	3540	Geologic Field Methods (A-F only; prereq 3520 or instructor consent.)	42554	001 LAB, 1 cr	5091	Geologic Problems (max crs 4; 4 repeats allowed; prereq Graduate Student or instructor consent)	36787	001 DST, 1-2 cr	5095	Special Topics: (Various Titles to be Assigned) (max crs 4; 4 repeats allowed; A-F only; prereq Instructor approval)	38173	001 SEM, 12:00pm-01:40pm F, KPlz 312; Demko, Timothy Michael, 1-2 cr; T: Trace Fossils and Paleosols	5250	Environmental Hydrogeology (A-F only; prereq Math 1296 or Math 1290 and Phys 2011 or Grad student or instructor consent)	001 LEC, 10:00am-10:50am MW, BohH 343; Swenson, John B	39607	002 LAB, 02:00pm-04:50pm T, HH 108; Swenson, John B, 3 cr	39608	003 LAB, 01:00pm-03:50pm W, HH 108; Swenson, John B, 3 cr	5350	Economic Geology (A-F only; prereq 2312, 2315 or instructor consent)	001 LEC, 03:00pm-03:50pm TTh, HH 238; Morton, Penelope	39494	002 LAB, 09:00am-10:50am F, HH 118; Morton, Penelope, 3 cr	5450	Advanced Structure (A-F only; prereq 2120, 4450, or instructor consent)	43370	001 LEC, 08:00am-09:15am TTh, HH 238; (Anticipated course fee for field trip van expense estimated at 25 for 2004/05); Hansen, Vicki L, 3 cr	5710	Aqueous Geochemistry/Chemical Hydrogeology (A-F only; prereq Math 1290 or Math 1297 and Chem 1152 or instructor consent)	39538	001 LEC, 11:00am-11:50am MWF, BohH 343; Brown, Erik Thorson, 3 cr	8094	Geologic Research (max crs 6; A-F only; prereq Instructor consent)	36805	001 DRS, 1-6 cr	8333	FTE: Master's (NGA; prereq Masters student, adviser and DGS consent)	37190	001 DRS, 1 cr	8444	FTE: Doctoral (NGA; prereq prereq doctoral student, adviser and DGS consent)	37200	001 DRS, 1 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)	37210	001 THE, 1-18 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))	37229	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)	37240	001 THE, 1-24 cr
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GERMAN (Ger) College of Liberal Arts

1101	Beginning German I (A-F only; meets LE req of LE CAT3)	35883	001 LEC, 08:00am-08:50am MTThF, H 490; 1 seat reserved for Continuing education; Conant, Jonathan B, 4 cr	38067	002 LEC, 09:00am-09:50am MTThF, H 480; Zinn, Gesa, 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)	35884	001 LEC, 10:00am-10:50am MTThF, H 480; Mullins, Michael John, 4 cr	35885	002 LEC, 02:00pm-02:50pm MTThF, LSci 160; Mullins, Michael John, 4 cr
2301	Advanced German (A-F only; prereq 5 yrs high school Ger or 1202 or instructor consent; meets LE req of LE CAT3; meets LEIP req of LEIP CAT3)	35886	001 LEC, 11:00am-11:50am MTThF, H 464; Mullins, Michael John, 4 cr		
3403	German Poetry and Theater (A-F only; prereq 2301 or instructor consent)	39458	001 LEC, 4 cr		
3591	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq 2301 or equiv or instructor consent)	35887	001 IND; Conant, Jonathan B, 1-4 cr		

GEOLOGY (Geol) College of Science & Engineering

1042	Freshman Seminar: Natural Disasters and Civilization (A-F only; prereq Freshman, fewer than 30 cr., credit will not be granted if credit received for 1042; meets LE req of LE CAT5)	39583	001 SEM, 11:00am-12:15pm MW, Library 409; Watrus, Nigel James, 3 cr
1043	Freshman Seminar: Science and Societal Issues: Whom to Believe? (A-F only; prereq Freshman, fewer than 30 cr.; meets LE req of LE CAT5)	37798	001 SEM, 11:00am-12:15pm TTh, Room TBA, DULUTH; Johnson, Thomas Charles, 3 cr
1045	Freshman Seminar: Minnesota's Geologic History (A-F only; prereq Freshman, fewer than 30 cr.; meets LE req of LE CAT4)	38147	001 SEM, 02:00pm-03:15pm WF, LSci 126; Gallup, Christina D, 3 cr

- 4095 Special Topics: (Various Titles to be Assigned)**
(max crs 8; 3 repeats allowed; A-F only; prereq 2301 or instructor consent)
- 40171 001 LEC, 02:00pm-02:50pm MTThF, H 464; Conant, Jonathan B, 1-4 cr; T: Medieval German Language, Literature, Society
- 4305 German Cinema**
(A-F only; prereq 2301 or instructor's consent; no Grad School credit)
- 39582 001 SEM, 04:00pm-08:30pm M, H 314; Zinn, Gesa, 4 cr

GRADUATE SCHOOL (Grad) UMD-Academic Administration

- 999 Graduate School Active Status**
(90 repeats allowed; NGA; prereq Grad School Students Only)
- 37832 001 IND, 0 cr

HEALTH (Hlth)

College of Education & Human Service Professions

- 1100 Health and Wellness Strategies for Life**
(A-F only; prereq Credit will not be granted if credit received for Hlth 1000; meets LE req of LE CAT8)
- 37586 001 LEC, 08:00am-08:50am MWF, SpHC 207; Kowalczyk PhD, John P, 3 cr
- 37587 002 LEC, 10:00am-10:50am MWF, SpHC 212; Kowalczyk PhD, John P, 3 cr
- 37962 003 LEC, 08:00am-09:15am TTh, SpHC 208; 1 seat reserved for Continuing education; Harkins, Charlene Gail, 3 cr
- 38213 004 LEC, 02:00pm-03:15pm TTh, SpHC 207; Harkins, Charlene Gail, 3 cr
- 1104 Health Science Terminology**
(max crs 3; 3 repeats allowed; A-F only)
- 35934 001 DST, 01:00pm-01:50pm W, SpHC 212; Meets with: 37703 HLTH 1104, 37704 HLTH 1104; Tornabene, Ladona L, 1 cr
- 37703 002 DST, 01:00pm-01:50pm W, SpHC 212; Meets with: 35934 HLTH 1104, 37704 HLTH 1104; Tornabene, Ladona L, 2 cr
- 37704 003 DST, 01:00pm-01:50pm W, SpHC 212; Meets with: 35934 HLTH 1104, 37703 HLTH 1104; Tornabene, Ladona L, 3 cr
- 35935 200 INI, 01:00pm-01:50pm T, SpHC 210; (Individualized Instruction); 2 seats reserved for Continuing education; Skrbich, Karen O, 1-3 cr
- 1470 Human Nutrition**
(A-F only; meets LE req of LE CAT5)
- 35936 001 DST, 08:00am-09:15am TTh, MonH 70; 2 seats reserved for Continuing education; Ley, Eugene Stephen, 3 cr
- 35937 002 DST, 09:30am-10:45am TTh, MonH 70; 1 seat reserved for Continuing education; Ley, Eugene Stephen, 3 cr
- 35938 003 LEC, 09:00am-09:50am MWF, BohH 90; 1 seat reserved for Continuing education; Harkins, Charlene Gail, 3 cr
- 37397 004 LEC, 02:00pm-02:50pm MWF, LSci 185; 2 seats reserved for Continuing education; Harkins, Charlene Gail, 3 cr
- 37141 200 INI, 02:00pm-03:15pm T, MWAH 195; (Individualized Instruction; must be completed in a UMD computer lab); 2 seats reserved for Continuing education; Ley, Eugene Stephen, 3 cr
- 1600 Basic First Aid**
(A-F only)
- 37071 001 LEC, 01:00pm-01:50pm MW, SpHC 21; Fleissner, Elizabeth A, 2 cr
- 36663 002 LEC, 11:00am-11:50am TTh, SpHC 21; Skrbich, Karen O, 2 cr
- 37624 003 LEC, 12:00pm-12:50pm TTh, SpHC 21; Skrbich, Karen O, 2 cr
- 37650 004 LEC, 01:00pm-01:50pm TTh, SpHC 21; Fleissner, Elizabeth A, 2 cr
- 36664 090 LEC, 06:00pm-07:50pm W, SpHC 21; 5 seats reserved for Continuing education; Wendinger, Michael J, 2 cr

- 1650 Cardiopulmonary Resuscitation**
(A-F only)
- 37102 090 LEC, 06:00pm-09:00pm M, SpHC 21, 09/07/04-10/18/04; (Special Term 9/02/02 - 10/13/02); 6 seats reserved for Continuing education; Hanson, Terry Edward, 1 cr
- 1700 Emergency Response**
(A-F only; prereq 1650 or 1600)
- 36783 001 LEC, 10:00am-10:50am MWF, SpHC 21; Fleissner, Elizabeth A, 3 cr
- 37409 002 LEC, 12:00pm-12:50pm MWF, SpHC 21; Fleissner, Elizabeth A, 3 cr
- 2030 Applied Human Anatomy**
(A-F only; prereq Credit will not be granted if credit received for Biol 1761; hlth ed or pe or exer sci or rec major or cand)
- 001 LEC, 09:00am-09:50am MTWTF, MonH 203; Nierengarten, Mark Edward
- 36758 002 LAB, 08:00am-09:15am Th, SpHC 207; Nierengarten, Mark Edward, 4 cr
- 36759 003 LAB, 09:30am-10:45am Th, SpHC 207; Nierengarten, Mark Edward, 4 cr
- 2040 Principles of Human Physiology**
(A-F only; prereq hlth ed or pe or rec or ex sci majors or cand, 1 sem each of college Biol, Chem, Anat recommended)
- 39547 001 LEC, 02:00pm-02:50pm MTWTh, Cina 202; Keener, John R, 4 cr
- 3101 Community Health**
(A-F only)
- 36730 001 LEC, 02:00pm-04:30pm T, SpHC 208; Tornabene, Ladona L, 3 cr
- 3115 Consumer Health Education**
(A-F only)
- 36628 001 LEC, 09:30am-10:45am TTh, SpHC 210; Kowalczyk PhD, John P, 3 cr
- 3118 Women's Health Issues**
(A-F only)
- 41401 001 LEC, 02:00pm-02:50pm MWF, SpHC 21, 3 cr
- 37122 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.)
- 36047 001 LEC, 01:00pm-01:50pm MW, Cina 102; 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)
- 36045 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)
- 38125 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 hd candidate or instructor consent; no Grad School credit)
- 38111 001 LEC, 02:00pm-04:50pm W, SpHC 208; 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)
- 36732 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)
- 36599 001 LEC, 03:00pm-04:40pm M, SpHC 207; Kowalczyk PhD, John P, 2 cr
- 37767 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 cand or instructor consent)
- 36086 001 LEC, 09:00am-09:50am MWF, SpHC 212; Collins, Donald T, 3 cr
- 3200 Research and Evaluation in Health Science**
(A-F only; prereq Health ed major or minor or rec major or minor or instructor consent)
- 37077 001 LEC, 02:00pm-03:15pm TTh, SpHC 210; Keeney, Georgia Lynn, 3 cr

HISTORY (Hist)

College of Liberal Arts

- 1026 Freshman Seminar: The Cold War**
(A-F only; prereq Freshman, fewer than 30 cr; meets LEIP req of LEIP CAT7)
- 37748 001 SEM, 11:00am-11:50am MWF, MonH 208; Storch, Neil T, 3 cr
- 1027 Freshman Seminar: Introduction to Islam**
(A-F only; prereq Freshman, fewer than 30 credits; meets LE req of LE CAT7)
- 37805 001 SEM, 09:30am-10:45am TTh, H 468; Stanfield-Johnson, Rosemary, 3 cr
- 1207 Dawn of Modern Europe**
(A-F only; meets LE req of LE CAT7)
- 38090 001 LEC, 08:00am-08:50am 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)
- 36043 001 LEC, 09:00am-09:50am MWF, ABAH 225; Yelengi, Nkasa Tekilaz, 3 cr
- 37495 090 LEC, 06:00pm-08:40pm W, ABAH 225; 15 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)
- 37493 001 LEC, 08:00am-09:15am TTh, BohH 90; 30 seats reserved for Learning Community F04; 1 seat reserved for Continuing education; Hannah, Eleanor L, 3 cr
- 1305 US History Part II: 1865-Present**
(A-F only; meets LE req of LE CAT7)
- 37585 001 LEC, 09:30am-10:45am TTh, ABAH 225; 20 seats reserved for Learning Community F04; Trolander, Judith A, 3 cr
- 2244 The History of Science: Ancients to Newton**
(A-F only)
- 39565 001 LEC, 10:00am-10:50am MWF, ABAH 225; Matthews, Steven Paul, 3 cr
- 2265 Russia in the 20th Century**
(A-F only; meets LEIP req of LEIP CAT7)
- 37677 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 CAT7)
- 38087 001 LEC, 02:00pm-03:15pm TTh, HH 216; Trolander, Judith A, 3 cr
- 2515 Precolonial Africa**
(A-F only; meets LECD req of LECD CAT7)
- 36046 001 LEC, 11:00am-11:50am MWF, ABAH 225; Yelengi, Nkasa Tekilaz, 3 cr
- 2525 Islamic Societies**
(A-F only; meets LEIP req of LEIP CAT7)
- 41449 001 LEC, 03:30pm-04:45pm TTh, KP1z 312; Stanfield-Johnson, Rosemary, 3 cr

- 3091 Directed Readings in History**
(max crs 16; 16 repeats allowed; A-F only; prereq Instructor consent)
36098 001 DRD, 1-4 cr
- 3097 Internship in History**
(max crs 6; 6 repeats allowed; A-F only; prereq 60 cr, instructor consent)
36097 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)
39602 001 PRC, 3 cr
- 3239 Europe in the Age of Renaissance and Reformation: 1348-1648**
(A-F only)
38088 001 LEC, 02:00pm-02:50pm MWF, Engr 290; Matthews, Steven Paul, 3 cr
- 3243 Europe in Crisis in the 20th Century**
(A-F only)
37627 200 INI; (Individualized Instruction); 2 seats reserved for Continuing education; Pogorelskin, Alexis E, 3 cr
- 3244 History of Holocaust**
(A-F only)
37678 001 LEC, 09:00am-09:50am MWF, LSci 185; Pogorelskin, Alexis E, 3 cr
- 3333 From Homer to Alexander: Archaic and Classical Greece**
(A-F only; prereq Credit will not be granted if credit received for HmCl 3333)
37509 001 LEC, 03:30pm-04:45pm TTh, VKH 221; Marchese, Ron T., 3 cr
- 3365 American Culture and Globalization**
(A-F only)
39486 001 LEC, 08:00am-09:15am TTh, ABAH 225; Trolander, Judith A, 3 cr
- 3384 American Foreign Relations I**
(A-F only)
36044 001 LEC, 02:00pm-02:50pm MWF, ABAH 225; Storch, Neil T, 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))
36106 001 COL, 03:00pm-03:50pm W, ABAH 225; Hannah, Eleanor L, 1-2 cr
- 3725 Islamic History from Muhammad to the Ottomans**
(A-F only)
37806 001 LEC, 02:00pm-03:15pm 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)
36110 001 DRS, 4 cr
- 5905 History Seminar**
(max crs 8; A-F only; prereq Instructor consent)
39488 001 SEM, 09:30am-11:10am TTh, MonH 208; Hannah, Eleanor L, 4 cr

INDUSTRIAL ENGINEERING (IE) College of Science & Engineering

- 1225 Introduction to Design and Manufacturing Engineering**
(A-F only; prereq Math 1296 or instructor consent, credit will not be granted if credit received for 1105, 1205)
001 LEC, 08:00am-09:50am M, Engr 204; Voss, John C
37504 002 LAB, 08:00am-09:50am WF, Engr 204; Voss, John C, 4 cr

- 2105 Introduction to Material Science for Engineers**
(A-F only; prereq Chem 1151 or department consent)
001 LEC, 03:00pm-04:50pm W, Engr 118; Enemuoh, Emmanuel U
36319 002 LAB, 10:00am-11:50am Th, VKH 168; Enemuoh, Emmanuel U, 3 cr
36320 003 LAB, 01:00pm-02:50pm Th, VKH 168; Enemuoh, Emmanuel U, 3 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
37506 002 LAB, 10:00am-11:50am Th, Engr 204; Voss, John C, 4 cr
37507 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 instructor consent)
36598 001 LEC, 08:00am-09:50am T, KPlz 312; Johnson, Thys B, 4 cr
- 3125 Engineering Economic Analysis**
(A-F only; prereq Stat 3611, BSIE cand or instructor consent)
36596 001 LEC, 10:00am-10:50am MWF, Engr 118; Rosandich, Ryan G, 3 cr
- 3135 Materials Processing**
(A-F only; prereq 2105, Stat 3611, BSIE cand or instructor consent)
001 LEC, 01:00pm-01:50pm MWF, Engr 290; Enemuoh, Emmanuel U
36604 002 LAB, 10:00am-11:50am T, VKH 168; Enemuoh, Emmanuel U, 4 cr
36605 003 LAB, 03:00pm-04:50pm T, VKH 168; Enemuoh, Emmanuel U, 4 cr
- 4115 Facility Planning and Simulation**
(A-F only; prereq 3265, BSIE or BSME candidate)
001 LEC, 03:00pm-03:50pm MWF, Engr 280, 03:00pm-03:50pm F, Engr 204; Wilson, Martha Caudill
36624 002 LAB, 10:00am-11:50am F, Engr 204; Wilson, Martha Caudill, 4 cr
- 4155 Project Management and Senior Design I**
(A-F only; prereq 3125, BSIE cand, instructor consent; credit will not be granted if credit received for 3205 or ME 4155; no Grad School credit)
001 LEC, 03:00pm-04:50pm T, Engr 260; Meets with: 37821 ME 4155; Wyrick, David Alan; Rosandich, Ryan G
37727 002 LAB, 03:00pm-04:50pm Th, Engr 260; Meets with: 37822 ME 4155; Wyrick, David Alan; Rosandich, Ryan G, 3 cr
- 4196 Cooperative Education**
(max crs 4; S-N only; prereq BSIE or BSME candidate; no Grad School credit)
36813 001 IEX; Wyrick, David Alan, 2 cr
- 4491 Independent Study**
(max crs 4; 4 repeats allowed; A-F only; prereq BSIE or BSME cand, department consent)
36814 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)
37814 001 LEC, 04:00pm-04:50pm M, Engr 280; Wilson, Martha Caudill, 1 cr
- 5305 Supply Chain Management**
(A-F only; prereq 3265, MSEM student or department consent)
42602 811 LEC, 06:00pm-08:40pm T, Room TBA, DULUTH; Wilson, Martha Caudill, 3 cr
42603 812 LEC, 06:00pm-08:40pm T, Room TBA, DULUTH; (Hibbing Community College); Wilson, Martha Caudill, 3 cr
42604 813 LEC, 06:00pm-08:40pm T, Room TBA, DULUTH; (Mesabi Community College); Wilson, Martha Caudill, 3 cr
42605 814 LEC, 06:00pm-08:40pm T, Room TBA, DULUTH; (NCROC Grand Rapids); Wilson, Martha Caudill, 3 cr
42606 815 LEC; (Rochester TBA); Wilson, Martha Caudill, 3 cr

INTERDISCIPLINARY STUDIES (IS)

College of Liberal Arts

- 3001 Interdisciplinary Methods Seminar**
(A-F only; prereq IS major or instructor consent)
35949 001 SEM, 01:00pm-01:50pm TTh, SBE 5; Fetzer, James H, 2 cr
- 3099 Senior Project**
(max crs 10; A-F only; prereq IS major or instructor consent)
35961 001 IND, 1-10 cr
- 8001 Introduction to Liberal Studies**
(max crs 8; 8 repeats allowed; S-N only; prereq MLS candidate or department consent)
37620 821 LEC, 06:00pm-09:30pm T, H 480; Fetzer, James H, 1-4 cr
- 8591 Directed Study**
(max crs 8; 8 repeats allowed; A-F only; prereq MLS candidate or department consent)
36785 821 DST, 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)
36137 001 IND, 1-5 cr
- 3191 International Study**
(max crs 15; 15 repeats allowed; A-F only; prereq Department consent)
36138 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)
36992 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)
37380 001 SEM, 02:00pm-03:50pm MW, Cina 214; Thayer, Bradley A, 4 cr
- 4891 Independent Study**
(A-F only; prereq 8 cr IntS, instructor consent.)
37381 001 IND, 1-5 cr

ITALIAN (Ital)

College of Liberal Arts

- 1101 Beginning Italian**
(A-F only; meets LEIP req of LEIP CAT3)
38231 090 LEC, 06:00pm-07:15pm TTh, H 490; (registration requires department consent); 5 seats reserved for Continuing education; Weidmer-Ocampo, Richard T, 3 cr

JOURNALISM (Jour)

College of Liberal Arts

- 2001 Reporting and Writing I**
(A-F only; prereq Comp 1120)
37393 001 LEC, 10:00am-10:50am MWF, H 484; Winter, Catherine Elisabeth, 3 cr
38170 090 LEC, 06:00pm-08:40pm M, H 403; 7 seats reserved for Continuing education, 3 cr
- 3001 Reporting and Writing II**
(A-F only; prereq 2001, Comp 1120)
38091 001 LEC, 02:00pm-03:15pm MW, H 484; Aima, Abhinav Kaul, 3 cr
- 3401 Broadcast News Writing**
(A-F only; prereq 2001, Comp 1120)
37501 001 LEC, 01:00pm-01:50pm MWF, H 484; Winter, Catherine Elisabeth, 3 cr
- 4021 Sports Journalism**
(A-F only; prereq 2001, Comp 1120; no Grad School credit)
39572 001 LAB, 02:00pm-03:15pm TTh, H 484; Godsey, Christopher M, 3 cr
- 4101 News Layout and Design**
(A-F only; prereq No Grad School credit)
38455 001 LAB, 09:30am-10:45am TTh, H 484, 3 cr

- 5102 Advanced Editing**
(A-F only; prereq 2001, 3101 or grad or instructor consent)
- 39573 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)
- 37502 001 IEX; Winter, Catherine Elisabeth, 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)
- 35797 001 LEC, 03:30pm-04:45pm TTh, MonH 70; 90 seats reserved for Learning Community F04; 2 seats reserved for Continuing education; Bolen, Tracey Alan, 3 cr

LANGUAGE (Lang)

College of Liberal Arts

- 1301 English as a Second Language**
(max crs 6; A-F only)
- 37594 001 LEC, 02:00pm-02:50pm MWF, H 468; Anderson, Heidi Rochelle, 3 cr
- 3091 Directed Study**
(max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent, department consent)
- 35890 001 DST, 1-3 cr

LIMNOLOGY (Lim)

College of Science & Engineering

- 5004 Field Limnology**
(A-F only; prereq 5002, 5003, Biol 5861 or instructor consent)
- 37555 001 LAB, 01:00pm-04:20pm W, LSci 370; Branstrator, Donn K, 2 cr

LINGUISTICS (Ling)

College of Liberal Arts

- 1811 Introduction to Language**
(A-F only; meets LE req of LE CAT2)
- 37306 001 LEC, 09:00am-09:50am MWF, Cina 224; Linn, Michael Duncan, 3 cr
- 37413 002 LEC, 08:00am-09:15am TTh, ABAH 245; 1 seat reserved for Continuing education; Riley, Kathryn, 3 cr
- 38471 003 LEC, 09:30am-10:45am TTh, ABAH 445; Riley, Kathryn, 3 cr
- 3591 Independent Study in Linguistics**
(max crs 6; 6 repeats allowed; A-F only; prereq 1811 or instructor consent, department consent)
- 36493 001 IND; Riley, Kathryn, 1-3 cr
- 5802 Applied Linguistics**
(A-F only; prereq 1811 or instructor consent)
- 37080 001 LEC, 10:00am-11:50am TTh, KPlz 312; Mackiewicz, Jo M, 4 cr
- 5852 Practicum in Teaching Linguistics**
(A-F only; prereq 1811, 3101, 3102 or instructor consent)
- 36495 001 PRC; Riley, Kathryn, 3 cr
- 8591 Independent Study in Linguistics**
(max crs 6; 6 repeats allowed; A-F only; prereq Department consent)
- 36496 001 IND; Riley, Kathryn, 1-3 cr

MANAGEMENT STUDIES (MgtS)

School of Business & Economics

- 3397 LSBE Internship**
(A-F only; prereq LSBE cand, consent of internship director)
- 36587 001 IEX; Kaas, Duane A, 3 cr

- 3401 Organizational Behavior and Management**
(A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)
- 36475 001 LEC, 09:30am-10:45am TTh, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 36476 MGTS 3401; Pierce, Jon L, 3 cr
- 36476 002 LEC, 09:30am-10:45am TTh, SBE 16; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 36475 MGTS 3401; Pierce, Jon L, 3 cr
- 36477 003 LEC, 12:00pm-12:50pm MWF, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 37181 MGTS 3401, 3 cr
- 37181 004 LEC, 12:00pm-12:50pm MWF, SBE 16; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 36477 MGTS 3401, 3 cr
- 37358 005 LEC, 02:00pm-02:50pm MWF, LSci 175; 48 seats reserved for LSBE candidates; Meets with: 37359 MGTS 3401, 3 cr
- 37359 006 LEC, 02:00pm-02:50pm MWF, LSci 175; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 37358 MGTS 3401, 3 cr
- 37818 007 LEC, 06:00pm-08:40pm W, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 37819 MGTS 3401, 3 cr
- 37819 008 LEC, 06:00pm-08:40pm W, SBE 16; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 37818 MGTS 3401, 3 cr

- 3491 Independent Study**
(max crs 3; A-F only; prereq Department consent)
- 36589 001 IND, 1-3 cr

- 3701 Principles of Marketing**
(A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)
- 36461 001 LEC, 06:00pm-08:40pm T, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 36462 MGTS 3701, 3 cr
- 36462 002 LEC, 06:00pm-08:40pm T, SBE 16; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 36461 MGTS 3701, 3 cr
- 36894 003 LEC, 01:00pm-01:50pm MWF, ABAH 245; 48 seats reserved for LSBE candidates; Meets with: 37182 MGTS 3701; Powell, Vonda K, 3 cr
- 37182 004 LEC, 01:00pm-01:50pm MWF, ABAH 245; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 36894 MGTS 3701; Powell, Vonda K, 3 cr
- 37360 005 LEC, 06:00pm-08:40pm Th, Engr 118; 48 seats reserved for LSBE candidates; Meets with: 37361 MGTS 3701; West, Robert Alvar, 3 cr
- 37361 006 LEC, 06:00pm-08:40pm Th, Engr 118; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 37360 MGTS 3701; West, Robert Alvar, 3 cr
- 38130 007 LEC, 12:00pm-12:50pm MWF, Engr 177; 48 seats reserved for LSBE candidates; Meets with: 38131 MGTS 3701; Powell, Vonda K, 3 cr
- 38131 008 LEC, 12:00pm-12:50pm MWF, Engr 177; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 38130 MGTS 3701; Powell, Vonda K, 3 cr

- 3711 Marketing Research**
(A-F only; prereq 3701, LSBE cand or college consent)
- 36471 001 LEC, 01:00pm-01:50pm MWF, MonH 206; Christensen, Ethan, 3 cr
- 37362 002 LEC, 11:00am-11:50am MWF, SBE 50; Christensen, Ethan, 3 cr

- 3741 Fundamentals of Selling**
(A-F only; prereq 3701, LSBE cand or college consent)
- 37366 001 LEC, 02:00pm-03:15pm TTh, SBE 32; Castleberry Sr, Stephen Byron, 3 cr
- 37367 002 LEC, 03:30pm-04:45pm TTh, SBE 50; Castleberry Sr, Stephen Byron, 3 cr

- 3781 International Marketing**
(A-F only; prereq 3701, LSBE cand or college consent)
- 36472 001 LEC, 09:00am-09:50am MWF, SBE 20; Powell, Vonda K, 3 cr
- 37178 002 LEC, 10:00am-10:50am MWF, KPlz 312; Powell, Vonda K, 3 cr

- 3801 Human Resource Management**
(A-F only; prereq LSBE cand or approved non-LSBE bus adm or college consent)
- 36440 001 LEC, 10:00am-10:50am MWF, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 36441 MGTS 3801; David, Jannifer Gregory, 3 cr
- 36441 002 LEC, 10:00am-10:50am MWF, SBE 16; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 36440 MGTS 3801; David, Jannifer Gregory, 3 cr
- 36442 003 LEC, 08:00am-08:50am MWF, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 37179 MGTS 3801, 3 cr
- 37179 004 LEC, 08:00am-08:50am MWF, SBE 16; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 36442 MGTS 3801, 3 cr
- 37695 005 LEC, 02:00pm-02:50pm MWF, SBE 16; 48 seats reserved for LSBE candidates; Meets with: 37696 MGTS 3801, 3 cr
- 37696 006 LEC, 02:00pm-02:50pm MWF, SBE 16; 6 seats reserved for Non-LSBE Bus Adm minor; Meets with: 37695 MGTS 3801, 3 cr
- 39425 007 LEC, 04:00pm-05:15pm MW, SBE 36; 43 seats reserved for LSBE candidates; Meets with: 39426 MGTS 3801, 3 cr
- 39426 008 LEC, 04:00pm-05:15pm MW, SBE 36; 3 seats reserved for Non-LSBE Bus Adm minor; Meets with: 39425 MGTS 3801, 3 cr

- 3997 Management of Community Projects**
(max crs 3; A-F only; prereq 3401, 3801, LSBE cand or instructor consent)
- 36802 001 FWK; Kaas, Duane A, 1-3 cr

- 4421 Managing Change**
(A-F only; prereq 3401, 3801 or equiv, LSBE cand or grad student or college consent)
- 37963 001 LEC, 02:00pm-03:15pm TTh, SBE 50, 3 cr

- 4431 Leadership**
(A-F only; prereq LSBE cand or college consent)
- 37964 001 LEC, 12:30pm-01:45pm TTh, SBE 16; Pierce, Jon L, 3 cr

- 4461 Business and Society**
(A-F only; prereq LSBE cand or college consent)
- 37697 001 LEC, 04:00am-05:15pm MW, SBE 50; Bell, Geoffrey George, 3 cr

- 4472 Entrepreneurship**
(A-F only; prereq LSBE cand or college consent)
- 39551 001 SEM, 08:00am-09:15am TTh, H 458, 3 cr

- 4474 International Management**
(A-F only; prereq 3401, LSBE candidate or college consent)
- 37966 001 LEC, 11:00am-12:15pm TTh, Chem 150; Goel, Sanjay, 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)
- 36488 001 LEC, 08:00am-09:15am TTh, MonH 30; Goel, Sanjay, 3 cr
- 36489 002 LEC, 10:00am-10:50am MWF, SBE 50; Bell, Geoffrey George, 3 cr
- 36490 003 LEC, 01:00pm-01:50pm MWF, SBE 50; Bell, Geoffrey George, 3 cr
- 39430 004 LEC, 12:00pm-12:50pm MWF, MonH 108; Harmon, Allen, 3 cr

- 4495 Special Topics: (Various Titles to be Assigned)**
(max crs 9; 9 repeats allowed; A-F only; prereq LSBE cand, 3401 or college consent)
- 37761 001 SEM, 04:00pm-05:15pm MW, SBE 16, 3 cr; T:Negotiations, Bargaining and Conflict Resolution

- 4496 Management of Field Studies**
(A-F only; prereq 90 cr, LSBE cand; department consent; no Grad School credit)
- 36591 001 IEX; Knudsen, Kjel Roar, 3 cr

- 4711 Business-to-Business Marketing**
(A-F only; prereq 3701, LSBE cand or college consent)
- 36473 001 LEC, 03:30pm-04:45pm TTh, SBE 16; Kratz, John L, 3 cr

4721 Advertising and Marketing Communications (A-F only; prereq 3701, LSBE cand or college consent)	39533 001 LEC, 11:00am-12:15pm TTh, SBE 50; Kratz, John L, 3 cr	39534 002 LEC, 12:30pm-01:45pm TTh, SBE 50; Kratz, John L, 3 cr
4731 Consumer Behavior (A-F only; prereq 3701, LSBE cand or college consent)	36470 001 LEC, 10:00am-10:50am MWF, MWAH 191; Christensen, Ethan, 3 cr	37363 002 LEC, 03:00pm-03:50pm MWF, MonH 30; Christensen, Ethan, 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)	36466 001 LEC, 08:00am-09:15am TTh, SBE 50; Rochford, Linda, 3 cr	39429 002 LEC, 09:30am-10:45am TTh, SBE 50; Rochford, Linda, 3 cr
4821 Staffing Work Organizations (A-F only; prereq 3801, LSBE cand or college consent)	36443 001 LEC, 03:00pm-03:50pm MWF, SBE 50; David, Jannifer Gregory, 3 cr	
4831 Compensation Systems (A-F only; prereq 3801, LSBE cand or college consent)	36444 001 LEC, 12:00pm-12:50pm MWF, SBE 50; Rubenfeld, Stephen A, 3 cr	
4881 Human Resource Issues and Trends (A-F only; prereq 3801, LSBE cand or college consent)	39531 001 LEC, 09:00am-09:50am MWF, SBE 50; Rubenfeld, Stephen A, 3 cr	

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

8211 Data Analysis and Statistics for Managers (A-F only; prereq Econ 2020 or equiv, Graduate Student or College Consent)	36960 001 LEC, 06:00pm-08:40pm T, SBE 50, 09/07/04-11/09/04; Vaidyanathan, Rajiv, 2 cr
8311 Operations Management (A-F only; prereq FMIS 3301 or equiv, grad student or college consent)	39560 800 LEC, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 11/05/04-11/05/04, 08:00am-12:30pm S, Room TBA, ROCHESTER, 11/06/04-11/06/04, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 11/19/04-11/19/04, 08:00am-12:30pm S, Room TBA, ROCHESTER, 11/20/04-11/20/04, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 12/03/04-12/03/04, 08:00am-12:30pm S, Room TBA, ROCHESTER, 12/04/04-12/04/04, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 12/17/04-12/17/04, 08:00am-12:30pm S, Room TBA, ROCHESTER, 12/18/04-12/18/04; Special Term; (In Rochester), 3 cr
8611 Financial Management (A-F only; prereq FMIS 3601 or equiv, grad student or college consent)	39449 001 LEC, 06:00pm-08:40pm W, SBE 40; Wong, Shee Q, 3 cr
8811 Human Resource Challenges (A-F only; prereq MgtS 3801 or equiv, grad student or college consent)	39450 001 LEC, 06:00pm-08:40pm M, SBE 50; Rubenfeld, Stephen A, 3 cr
8991 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq College consent)	36961 001 LEC; Vaidyanathan, Rajiv, 1-3 cr
8994 Directed Research (max crs 6; 6 repeats allowed; A-F only; prereq MBA student)	36962 001 DRS; Vaidyanathan, Rajiv, 1-6 cr

8995 Special Topics: (Various Titles to be Assigned) (max crs 6; 6 repeats allowed; A-F only; prereq MBA or grad student)	39559 801 DST, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 09/10/04-09/10/04, 08:00am-12:30pm S, Room TBA, ROCHESTER, 09/11/04-09/11/04, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 09/24/04-09/24/04, 08:00am-12:30pm S, Room TBA, ROCHESTER, 09/25/04-09/25/04, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 10/08/04-10/08/04, 08:00am-12:30pm S, Room TBA, ROCHESTER, 10/09/04-10/09/04, 03:00pm-09:30pm F, Room TBA, ROCHESTER, 10/22/04-10/22/04, 08:00am-12:30pm S, Room TBA, ROCHESTER, 10/23/04-10/23/04; Special Term; Topic: Management of IT; Lee, Seung Chan, 3 cr; T: Improvisational Theater for Business
8999 Projects in Business (max crs 6; 6 repeats allowed; A-F only; prereq MBA or grad student, college consent)	37975 001 DST; Vaidyanathan, Rajiv, 1-3 cr

MATHEMATICS (Math)
College of Science & Engineering

1005 College Algebra (A-F only; prereq Math placement or department consent)	37595 001 LEC, 08:00am-08:50am MTWThF, Chem 251, 3 cr	37976 002 LEC, 11:00am-11:50am MTWThF, LSci 170, 3 cr	37596 003 LEC, 03:00pm-04:05pm MTWTh, Chem 251, 3 cr	37597 004 LEC, 04:00pm-05:05pm MTWTh, Cina 102; 1 seat reserved for Continuing education, 3 cr	37598 005 LEC, 06:00pm-08:15pm MW, LSci 160; 1 seat reserved for Continuing education, 3 cr	37626 006 LEC, 06:00pm-08:15pm TTh, LSci 160; 1 seat reserved for Continuing education, 3 cr
1024 Introduction to Contemporary Mathematics (A-F only; prereq 1005 or math placement; meets LE req of LE CAT2)	37348 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)	36120 001 LEC, 08:00am-08:50am MWF, LSci 160	36121 002 LAB, 08:00am-08:50am T, MonH 239, 4 cr	36122 003 LAB, 08:00am-08:50am Th, MonH 239, 4 cr	36123 004 LEC, 09:00am-09:50am MWF, BohH 112	36124 005 LAB, 09:00am-09:50am T, MonH 239, 4 cr	36124 006 LAB, 09:00am-09:50am Th, MonH 239, 4 cr
1160 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)	36140 001 LEC, 08:00am-08:50am MWF, LSci 185; Pierson, Chad Michael	36141 002 DIS, 08:00am-08:50am TTh, Engr 118; 1 seat reserved for Continuing education, 5 cr	36142 003 DIS, 09:00am-09:50am TTh, Library 409, 5 cr	36143 004 DIS, 10:00am-10:50am TTh, LSci 170, 5 cr	36144 005 DIS, 11:00am-11:50am TTh, Engr 118, 5 cr	36145 006 DIS, 12:00pm-12:50pm TTh, Chem 155; 1 seat reserved for Continuing education, 5 cr
	36146 007 DIS, 02:00pm-02:50pm TTh, Chem 251, 5 cr	36147 008 LEC, 02:00pm-02:50pm MWF, SCC 120	36148 009 DIS, 08:00am-08:50am TTh, Chem 155, 5 cr	36149 010 DIS, 10:00am-10:50am TTh, BohH 343, 5 cr	36149 011 DIS, 11:00am-11:50am TTh, Chem 155, 5 cr	

36150 012 DIS, 12:00pm-12:50pm TTh, Engr 280, 5 cr	36151 013 DIS, 02:00pm-02:50pm TTh, Cina 106, 5 cr	36152 014 DIS, 04:00pm-04:50pm TTh, Chem 155, 5 cr	38247 015 LET, 03:00pm-04:05pm MTWTh, Cina 308, 5 cr
1250 Precalculus Analysis (A-F only; prereq 1005 or math placement; meets LE req of LE CAT2)	36154 001 LEC, 08:00am-08:50am MWF, SCC 120	36155 002 DIS, 09:00am-09:50am TTh, Engr 280, 4 cr	36157 003 DIS, 10:00am-10:50am TTh, Library 409, 4 cr
	36156 004 DIS, 02:00pm-02:50pm TTh, LSci 170, 4 cr	36157 005 DIS, 03:00pm-03:50pm TTh, Chem 155, 4 cr	36159 006 LEC, 10:00am-10:50am MWF, SCC 120; Pierson, Chad Michael
	36160 007 DIS, 08:00am-08:50am TTh, BohH 112; Pierson, Chad Michael, 4 cr	36161 008 DIS, 10:00am-10:50am TTh, MWAH 195; Pierson, Chad Michael, 4 cr	36162 009 DIS, 12:00pm-12:50pm TTh, Cina 308; Pierson, Chad Michael, 4 cr
	36162 010 DIS, 03:00pm-03:50pm TTh, Cina 202; 1 seat reserved for Continuing education; Pierson, Chad Michael, 4 cr	36164 011 LEC, 11:00am-11:50am MWF, SCC 120; Murugesan, Thilagavathi	36165 012 DIS, 08:00am-08:50am TTh, Library 409; Murugesan, Thilagavathi, 4 cr
	36165 013 DIS, 09:00am-09:50am TTh, MonH 206; Murugesan, Thilagavathi, 4 cr	37148 014 DIS, 11:00am-11:50am TTh, Cina 106; Murugesan, Thilagavathi, 4 cr	37977 015 DIS, 02:00pm-02:50pm TTh, Cina 308; Murugesan, Thilagavathi, 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)	36167 001 LEC, 10:00am-10:50am MTThF, Cina 106; Sharp, Angela Marie	36167 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; credit will not be granted if credit received for: 1290.; meets LE req of LE CAT2)	36169 001 LEC, 11:00am-11:50am MWF, LSci 185; Latterell, Carmen Marie	36170 002 DIS, 08:00am-08:50am TTh, Engr 280, 5 cr	36171 003 DIS, 09:00am-09:50am TTh, Room TBA, DULUTH, 5 cr
	36171 004 DIS, 11:00am-11:50am TTh, Engr 177, 5 cr	36172 005 DIS, 12:00pm-12:50pm TTh, MonH 206, 5 cr	36173 006 DIS, 02:00pm-02:50pm TTh, LSci 175, 5 cr
	36174 007 DIS, 04:00pm-04:50pm TTh, HH 216, 5 cr	36176 008 LEC, 01:00pm-01:50pm MWF, SCC 120; Sharp, Angela Marie	36177 009 DIS, 08:00am-08:50am TTh, HH 302, 5 cr
	36177 010 DIS, 10:00am-10:50am TTh, Room TBA, DULUTH, 5 cr	36178 011 DIS, 12:00pm-12:50pm TTh, H 464, 5 cr	36179 012 DIS, 02:00pm-02:50pm TTh, LSci 185, 5 cr
	36180 013 DIS, 03:00pm-03:50pm TTh, LSci 160, 5 cr	36181 014 DIS, 04:00pm-04:50pm TTh, MonH 206, 5 cr	36181 015 LEC, 03:00pm-04:15pm MW, LSci 185; Murugesan, Thilagavathi
	37154 016 DIS, 08:00am-08:50am TTh, HH 216, 5 cr	37815 017 DIS, 09:00am-09:50am TTh, Room TBA, DULUTH, 5 cr	38135 018 DIS, 11:00am-11:50am TTh, H 468, 5 cr
	38136 019 DIS, 02:00pm-02:50pm TTh, Room TBA, DULUTH, 5 cr	38137 020 DIS, 03:00pm-03:50pm TTh, Engr 177, 5 cr	

38138	021 DIS, 04:00pm-04:50pm TTh, H 468, 5 cr	003 LEC, 12:00pm-12:50pm MTWTF, H 490; Dib, Khaled Ahmad	42649	002 THE; Froncek, Dalibor, 1-18 cr	
1297	Calculus II (A-F only; prereq 1290 or 1296)	36201	004 LAB, 12:00pm-12:50pm Th, KPlz 143, 4 cr	42650	003 THE; Gallian, Joseph A, 1-18 cr
	001 LEC, 12:00pm-12:50pm MWF, LSci 175		005 LEC, 02:00pm-02:50pm MTWTF, BohH 112; Thralow, Amanda Marie	42651	004 THE; Green, Richard F, 1-18 cr
36183	002 DIS, 08:00am-08:50am TTh, MonH 206, 5 cr	38140	006 LAB, 02:00pm-02:50pm Th, MonH 209, 4 cr	42652	005 THE; Greene, John Robert, 1-18 cr
36184	003 DIS, 09:00am-09:50am TTh, Room TBA, DULUTH, 5 cr	3355	Discrete Mathematics (A-F only; prereq [1296, CS 1511, 1297 or CS 1521] or instructor consent)	42653	006 THE; James, Barry R, 1-18 cr
36185	004 DIS, 12:00pm-12:50pm TTh, Cina 102, 5 cr	36202	001 LEC, 12:00pm-12:50pm MWThF, Chem 251; Mc Farland, Robert L, 4 cr	42654	007 THE; James, Kang Ling, 1-18 cr
36186	005 DIS, 02:00pm-02:50pm TTh, Room TBA, DULUTH, 5 cr	3941	Undergraduate Colloquium (S-N only; prereq Math major or minor, department consent; must regis during sem of 16th point)	42655	008 THE; Latterell, Carmen Marie, 1-18 cr
36187	006 DIS, 03:00pm-03:50pm TTh, LSci 170, 5 cr	36206	001 COL, 03:00pm-04:30pm Th, SCC 120; Gallian, Joseph A, 1 cr	42656	009 THE; Lenz, Kathryn E, 1-18 cr
36188	007 DIS, 04:00pm-04:50pm TTh, H 464, 5 cr	4326	Linear Algebra (A-F only; prereq 3280, 3 cr Math/Stat above 3120; no Grad School credit)	42657	010 THE; Liu, Zhuangyi, 1-18 cr
3091	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq Department consent)	4371	Introduction to Abstract Algebra (A-F only; prereq 3355, 4326 or 3280; no Grad School credit)	42658	011 THE; Mc Farland, Robert L, 1-18 cr
36995	001 IND; Fei, Guihua, 1-3 cr	37537	001 LEC, 10:00am-10:50am MWF, H 468; Greene, John Robert, 3 cr	42659	012 THE; Peckham, Bruce B, 1-18 cr
36996	002 IND; Froncek, Dalibor, 1-3 cr	4371	Introduction to Abstract Algebra (A-F only; prereq 3355, 4326 or 3280; no Grad School credit)	42660	013 THE; Qi, Yongcheng, 1-18 cr
36997	003 IND; Gallian, Joseph A, 1-3 cr	37793	001 LEC, 02:00pm-02:50pm MWF, LSci 170; Gallian, Joseph A, 3 cr	42661	014 THE; Regal, Ronald Ray, 1-18 cr
36998	004 IND; Green, Richard F, 1-3 cr	5201	Real Variables (A-F only; prereq 3299)	42662	015 THE; Stech, Harlan W, 1-18 cr
36999	005 IND; Greene, John Robert, 1-3 cr	36211	001 LEC, 03:00pm-04:05pm MWF, H 468; Liu, Zhuangyi, 4 cr	42663	016 THE; Trogdon, Steven Arman, 1-18 cr
37000	006 IND; James, Barry R, 1-3 cr	5280	Partial Differential Equations (A-F only; prereq 3280)	8980	Graduate Seminar (A-F only; prereq Instructor consent)
37001	007 IND; James, Kang Ling, 1-3 cr	39503	001 LEC, 12:00pm-12:50pm MWF, ABAH 245; Trogdon, Steven Arman, 3 cr	36367	001 SEM, 03:00pm-03:50pm T, Cina 106; Liu, Zhuangyi, 1 cr
37002	008 IND; Latterell, Carmen Marie, 1-3 cr	5365	Graph Theory (A-F only; prereq 3355 or instructor consent)	8994	Directed Research (max crs 12; 12 repeats allowed; A-F only; prereq Instructor consent)
37003	009 IND; Lenz, Kathryn E, 1-3 cr	36242	001 LEC, 01:00pm-01:50pm MWF, Engr 177; Gallian, Joseph A, 3 cr	37040	001 DRS; Fei, Guihua, 1-4 cr
37004	010 IND; Liu, Zhuangyi, 1-3 cr	5371	Abstract Algebra I (A-F only; prereq 3355 or 4326 or instructor consent)	37041	002 DRS; Froncek, Dalibor, 1-4 cr
37005	011 IND; Mc Farland, Robert L, 1-3 cr	36252	001 LEC, 02:00pm-02:50pm MWF, Cina 308; Greene, John Robert, 3 cr	37042	003 DRS; Gallian, Joseph A, 1-4 cr
37006	012 IND; Peckham, Bruce B, 1-3 cr	5384	Algebraic Coding Theory (A-F only; prereq 3355 or instructor consent)	37043	004 DRS; Green, Richard F, 1-4 cr
37007	013 IND; Qi, Yongcheng, 1-3 cr	39506	001 LEC, 03:00pm-04:15pm MW, BohH 108; Mc Farland, Robert L, 3 cr	37044	005 DRS; Greene, John Robert, 1-4 cr
37008	014 IND; Regal, Ronald Ray, 1-3 cr	5830	Numerical Analysis: Approximation and Quadrature (prereq 3280 or 4326, proficiency in FORTRAN or C or C++)	37045	006 DRS; James, Barry R, 1-4 cr
37009	015 IND; Stech, Harlan W, 1-3 cr	36260	001 LEC, 11:00am-11:50am MWF, HH 216; Stech, Harlan W, 4 cr	37046	007 DRS; James, Kang Ling, 1-4 cr
37473	016 IND; Trogdon, Steven Arman, 1-3 cr	5991	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq Department consent; Max 6 cr to a Grad School program.)	37047	008 DRS; Latterell, Carmen Marie, 1-4 cr
3097	Internship (max crs 3; 3 repeats allowed; S-N only; prereq Math major, department consent)	37025	001 IND; Fei, Guihua, 1-4 cr	37048	009 DRS; Lenz, Kathryn E, 1-4 cr
37010	001 IEX; Fei, Guihua, 1-3 cr	37026	002 IND; Froncek, Dalibor, 1-4 cr	37049	010 DRS; Liu, Zhuangyi, 1-4 cr
37011	002 IEX; Froncek, Dalibor, 1-3 cr	37027	003 IND; Gallian, Joseph A, 1-4 cr	37050	011 DRS; Mc Farland, Robert L, 1-4 cr
37012	003 IEX; Gallian, Joseph A, 1-3 cr	37028	004 IND; Green, Richard F, 1-4 cr	37051	012 DRS; Peckham, Bruce B, 1-4 cr
37013	004 IEX; Green, Richard F, 1-3 cr	37029	005 IND; Greene, John Robert, 1-4 cr	37052	013 DRS; Qi, Yongcheng, 1-4 cr
37014	005 IEX; Greene, John Robert, 1-3 cr	37030	006 IND; James, Barry R, 1-4 cr	37053	014 DRS; Regal, Ronald Ray, 1-4 cr
37015	006 IEX; James, Barry R, 1-3 cr	37031	007 IND; James, Kang Ling, 1-4 cr	37054	015 DRS; Stech, Harlan W, 1-4 cr
37016	007 IEX; James, Kang Ling, 1-3 cr	37032	008 IND; Latterell, Carmen Marie, 1-4 cr	37476	016 DRS; Trogdon, Steven Arman, 1-4 cr
37017	008 IEX; Latterell, Carmen Marie, 1-3 cr	37033	009 IND; Lenz, Kathryn E, 1-4 cr		
37018	009 IEX; Lenz, Kathryn E, 1-3 cr	37034	010 IND; Liu, Zhuangyi, 1-4 cr		
37019	010 IEX; Liu, Zhuangyi, 1-3 cr	37035	011 IND; Mc Farland, Robert L, 1-4 cr		
37020	011 IEX; Mc Farland, Robert L, 1-3 cr	37036	012 IND; Peckham, Bruce B, 1-4 cr		
37021	012 IEX; Peckham, Bruce B, 1-3 cr	37037	013 IND; Qi, Yongcheng, 1-4 cr		
37022	013 IEX; Qi, Yongcheng, 1-3 cr	37038	014 IND; Regal, Ronald Ray, 1-4 cr		
37023	014 IEX; Regal, Ronald Ray, 1-3 cr	37039	015 IND; Stech, Harlan W, 1-4 cr		
37024	015 IEX; Stech, Harlan W, 1-3 cr	37475	016 IND; Trogdon, Steven Arman, 1-3 cr		
37474	016 IEX; Trogdon, Steven Arman, 1-3 cr	8333	FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)		
3120	Mathematics Tutorial Project (max crs 4; 4 repeats allowed; S-N only; prereq 1296, instructor consent)	37191	001 DRS; Stech, Harlan W, 1 cr		
36190	001 PRC; Tutoring schedules are arranged with the instructor.; Latterell, Carmen Marie, 1-2 cr	8777	Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))		
3280	Differential Equations with Linear Algebra (A-F only; prereq 1297)	37230	001 THE; Fei, Guihua, 1-18 cr		
	001 LEC, 09:00am-09:50am MWThF, Cina 106; Trogdon, Steven Arman				
36193	002 LAB, 09:00am-09:50am T, MonH 209, 4 cr				
	003 LEC, 10:00am-10:50am MWThF, H 458; Dib, Khaled Ahmad				
36195	004 LAB, 10:00am-10:50am T, MonH 209, 4 cr				
	005 LEC, 12:00pm-12:50pm MWThF, H 468; Thralow, Amanda Marie				
36197	006 LAB, 12:00pm-12:50pm T, MonH 209, 4 cr				
	007 LEC, 01:00pm-01:50pm MWThF, Cina 308; Fei, Guihua				
37632	008 LAB, 01:00pm-01:50pm T, MonH 209, 4 cr				
	009 LEC, 03:00pm-04:15pm MWTh, LSci 170; Dib, Khaled Ahmad				
37817	010 LAB, 03:00pm-03:50pm T, MonH 209, 4 cr				
	011 LEC, 04:00pm-05:15pm MWTh, H 490				
39417	012 LAB, 04:00pm-04:50pm T, MonH 209, 4 cr				
3298	Calculus III (A-F only; prereq 1297)				
	001 LEC, 09:00am-09:50am MTWTF, Cina 308; Fei, Guihua				
36199	002 LAB, 09:00am-09:50am Th, KPlz 143, 4 cr				

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

3111	Fluid Mechanics (A-F only; prereq Engr 2015, Math 3280, BSIE or BSME or BSChE cand; credit will not be granted if credit received for ChE 3111)	38061	001 LEC, 11:00am-11:50am MWF, KPlz 312; Pedersen, William Edward, 3 cr
4112	Heat and Mass Transfer (A-F only; prereq 3111, 3211, Math 3298, BSME or BSChE cand or instructor consent, cr will not be granted if cr received for ChE 3112; no Grad School credit)	38062	001 LEC, 04:00pm-04:50pm MWF, Engr 177; Pedersen, William Edward, 3 cr
4122	Heat Transfer, Thermodynamics and Fluid Mechanics Laboratory (A-F only; prereq Concurrent registration is required (or allowed) for 4112 or instructor consent; BSIE or BSME cand; no Grad School credit)	38065	001 LEC, 09:00am-09:50am F, Engr 280; Pedersen, William Edward
		38064	002 LAB, 10:00am-11:50am T, Engr 204; Pedersen, William Edward, 2 cr
		38065	003 LAB, 01:00pm-02:50pm T, VKH 164; Pedersen, William Edward, 2 cr
4145	CAD/CAM (A-F only; prereq BSIE or BSME cand, cr will not be granted if cr received for IE 4145)	36626	002 LAB, 03:00pm-04:50pm MW, Engr 208; Fugelso, Mark A, 4 cr
		36627	003 LAB, 10:00am-11:50am MW, Engr 208; Fugelso, Mark A, 4 cr
4155	Project Management and Senior Design I (A-F only; prereq IE 3125, BSIE or BSME cand, instructor consent; cr. will not be granted if cr. received for IE 4155; no Grad School credit)	37822	002 LAB, 03:00pm-04:50pm Th, Engr 260; Meets with: 37727 IE 4155; Wyrick, David Alan; Rosandich, Ryan G, 3 cr
			001 LEC, 03:00pm-04:50pm T, Engr 260; Meets with: 37726 IE 4155; Wyrick, David Alan; Rosandich, Ryan G, 3 cr

- 4175 Machine Design**
(A-F only; prereq BSIE or BSME cand or instructor consent; cr will not be granted if cr received for IE 4175.)
- 36321 001 LEC, 02:00pm-02:50pm MWF, Engr 280; Fugelso, Mark A, 3 cr

MEDICAL AND MOLECULAR PHYSIOLOGY (Phsl)

Duluth School of Medicine

- 5211 Literature Seminar**
(max crs 2; S-N only)
- 43267 001 SEM; Wittmers Jr, Lorentz E, 1-2 cr
- 5292 Readings in Physiology**
(max crs 3; prereq Instructor consent)
- 43268 001 DST; Wittmers Jr, Lorentz E, 1-3 cr
- 5294 Research in Physiology**
(max crs 15; prereq Instructor consent)
- 43269 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)
- 41545 001 LEC, 11:00am-11:50am MF, Cina 102, 11:00am-11:50am TTh, MonH 70; Stauffer, Edward Keith, 4 cr
- 8333 FTE: Master's**
(NGA; prereq Masters student, adviser and DGS consent)
- 37194 001 DRS, 1 cr
- 8401 Physiology of Aging**
(prereq 5601, instructor consent)
- 43270 001 DIS; Heller, Lois Jane, 2 cr
- 8405 Muscle Physiology**
(A-F only; prereq 5601, instructor consent)
- 43271 001 LEC; Stauffer, Edward Keith, 2 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
- 37204 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)
- 37214 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))
- 37234 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)
- 37244 001 THE, 1-24 cr

MEDICAL MICROBIOLOGY AND IMMUNOLOGY (MicB)

Duluth School of Medicine

- 5545 Immunobiology**
(A-F only; prereq Instructor consent)
- 37604 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)
- 36801 001 IND, 1-4 cr
- 8333 FTE: Master's**
(NGA; prereq Masters student, adviser and DGS consent)
- 37193 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
- 37202 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)
- 37212 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))
- 37232 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)
- 37242 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)
- 36806 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)
- 36694 001 LAB, 12:00pm-12:50pm Th, WMH 101; Kritzmire, Judith A, 0 cr
- 38486 002 LAB; Kritzmire, Judith A, 0 cr
- 1001 Introduction to Music**
(prereq Not for music majors or minors; meets LEIP req of LEIP CAT9)
- 36690 001 LEC, 03:00pm-03:50pm MWF, BohH 90; 3 seats reserved for Continuing education; Lipori, Daniel G, 3 cr
- 37399 002 LEC, 10:00am-10:50am MWF, H 222; Anderson, A, 3 cr
- 1003 Beethoven to the Beatles**
(meets LE req of LE CAT9)
- 36691 001 LEC, 11:00am-11:50am MWF, BohH 90; 4 seats reserved for Continuing education; Wegren, Thomas Joseph, 3 cr
- 1005 Jazz Studies**
(meets LECD req of LECD CAT9)
- 36692 001 LEC, 01:00pm-01:50pm MWF, BohH 90; 3 seats reserved for Continuing education; Barnard, William Michael, 3 cr
- 36693 002 LEC, 02:00pm-02:50pm MWF, BohH 90; 1 seat reserved for Continuing education; 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)
- 36548 001 LEC, 08:00am-08:50am MTWThF, H 222; Rubin, Justin H, 3 cr
- 36549 002 LEC, 09:00am-09:50am MTWThF, H 222; Rubin, Justin H, 3 cr
- 1311 Voice**
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
- 36602 001 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R, 1 cr
- 36966 002 STU, 01:00am-01:50am Th, VKH 106; (+ 3/4 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R, 2 cr
- 36967 003 STU, 01:00am-01:50am Th, VKH 106; (+ 1 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S; Wold, Stanley R, 3 cr
- 1312 Voice**
(A-F only; prereq Non-music major or music major sec instructor; may be repeated)
- 36606 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Inselman, Rachel Laura; Jacobson, Ruth Evangeline; Spann, Joseph S; Kulas, Kate F; Wold, Stanley R; McConico, Marcus A, 1 cr

- 1321 Piano**
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
- 36630 001 STU, 01:00pm-01:50pm Th, H 232; (+ 1/2 hr arr lesson); Doty, Jeanne Alyce; Rubin, Justin H; Wegren, Thomas Joseph, 1 cr
- 36968 002 STU, 01:00pm-01:50pm Th, H 232; (+ 3/4 hr arr lesson); Doty, Jeanne Alyce; Wegren, Thomas Joseph; Rubin, Justin H, 2 cr
- 36969 003 STU, 01:00pm-01:50pm Th, H 232; (+ 1 hr arr lesson); Doty, Jeanne Alyce; Rubin, Justin H; Wegren, Thomas Joseph, 3 cr
- 1322 Piano**
(A-F only; prereq Non-music major or music major sec instr; may be repeated)
- 36610 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Doty, Jeanne Alyce; Rubin, Justin H; Wegren, Thomas Joseph; Chernyshev, Alexander; Olson, Patricia Lee; Steward, Lori B., 1 cr
- 1325 Jazz Piano**
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
- 36632 001 STU, 01:00pm-01:50pm Th, H 224; (+ 1/2 hr arr lesson); Frane, Ryan J, 1 cr
- 36970 002 STU, 01:00pm-01:50pm Th, H 224; (+ 1 hr arr lesson); Frane, Ryan J, 3 cr
- 1326 Jazz Piano**
(max crs 15; 15 repeats allowed; A-F only; prereq Non-music major or music major sec instr; may be repeated)
- 36634 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Frane, Ryan J; Ierino, Paul Vincent, 1 cr
- 1328 Jazz Applied**
(max crs 8; 8 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument; instructor consent)
- 38143 001 STU; (1/2 hour weekly lesson arr with instructor); Frane, Ryan J, 1 cr
- 1331 Organ**
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
- 36635 001 STU, 01:00pm-01:50pm Th, H 232; (+ 1/2 hr arr lesson); Rubin, Justin H, 1 cr
- 36971 002 STU, 01:00pm-01:50pm Th, H 232; (+ 1 hr arr lesson); Rubin, Justin H, 3 cr
- 1332 Organ**
(A-F only; prereq Non-music major or music major sec instr; may be repeated)
- 36637 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Rubin, Justin H, 1 cr
- 1351 Strings**
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
- 36639 001 STU, 01:00pm-01:50pm Th, H 243; (+ 1/2 hr arr lesson); Anderson, A; Perrault, Rudy; Osborn, Vincent O, 1 cr
- 36972 002 STU, 01:00pm-01:50pm Th, H 243; (+ 1 hr arr lesson); Anderson, A; Perrault, Rudy; Osborn, Vincent O, 3 cr
- 1352 Strings**
(A-F only; prereq Non-music major or music major sec instr; may be repeated)
- 36641 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Anderson, A; Osborn, Vincent O; Smith, Benjamin N; Perrault, Rudy, 1 cr
- 1357 Harp**
(max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)
- 36643 001 STU; (+ 1/2 hr arr lesson); Lemire, Janell Marie, 1 cr
- 36973 002 STU; (+ 1 hr arr lesson); Lemire, Janell Marie, 3 cr
- 1358 Harp**
(A-F only; prereq Non-music major or music major sec instr; may be repeated)
- 36645 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Lemire, Janell Marie, 1 cr

1361 Woodwinds (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	1411 Diction: Italian and English (A-F only; prereq Principal instr voice or instructor consent)	1541 Chamber Music (max crs 4; 4 repeats allowed; A-F only; prereq Instructor determines placement, may be repeated)
36647 001 STU, 01:00pm-01:50pm Th, H 220; (+ 1/2 hr arr lesson); Neff, Kathleen Ann; Schoen, Theodore A; Lipori, Daniel G, 1 cr	36526 001 LEC, 11:00am-11:50am TTh, H 222; Inselman, Rachel Laura, 1 cr	36553 001 REH, 02:00pm-02:50pm TTh, MPAC 1; (1-2 hr arr H 243) (Percussion Ensemble); Meets with: 36564 MU 4541; Schmalenberger, David J, 0.50 cr
36974 002 STU, 01:00pm-01:50pm Th, H 160; (+ 1 hr arr lesson); Neff, Kathleen Ann; Lipori, Daniel G; Schoen, Theodore A, 3 cr	1421 Piano Class I (max crs 2; A-F only; prereq Music major or instructor consent)	36554 002 REH, 06:00pm-06:50pm MW, MPAC 1; (Combo I); Meets with: 36565 MU 4541; Frane, Ryan J, 0.50 cr
1362 Woodwinds (A-F only; prereq Non-music major or music major sec instr; may be repeated)	36592 001 LAB, 09:00am-09:50am MW, H 160; Doty, Jeanne Alyce, 1 cr	36555 003 REH, 06:00pm-06:50pm TTh, WMH 206; (Combo II); Meets with: 36566 MU 4541; Barnard, William Michael, 0.50 cr
36649 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Neff, Kathleen Ann; Schoen, Theodore A; Lipori, Daniel G, 1 cr	36593 002 LAB, 10:00am-10:50am TTh, H 160; Doty, Jeanne Alyce, 1 cr	36556 004 REH, 06:00pm-06:50pm TTh, MPAC 1; (Combo III); Meets with: 36567 MU 4541; Thornton, Dann Lee, 0.50 cr
1371 Brass (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	1442 Percussion Techniques (A-F only; prereq Music major or instructor consent)	36557 005 REH, 06:00pm-06:50pm MW, WMH 206; (Combo IV); Meets with: 36568 MU 4541; Eaton, Daniel W, 0.50 cr
36651 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 cr	36474 001 LAB, 10:00am-10:50am MW, MPAC 1; Schmalenberger, David J, 1 cr	36558 006 REH, 10:00am-11:30am S, MPAC 1, 04:00pm-05:30pm F, MPAC 1; (Pep Band); Meets with: 36569 MU 4541; Eaton, Daniel W, 0.50 cr
36975 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, 3 cr	1501 Concert Band (prereq Instructor determines placement, may be repeated; meets LE req of LE CAT 10)	36559 007 REH, 04:00pm-04:50pm MW, WMH 206; (Guitar Ensemble); Meets with: 36570 MU 4541; Barnard, William Michael, 0.50 cr
1372 Brass (A-F only; prereq Non-music major or music major sec instr; may be repeated)	36478 001 REH, 12:00pm-12:50pm MWF, MPAC 1; Meets with: 36494 MU 4501; Eaton, Daniel W, 1 cr	36560 008 REH; (1-2 hr arr) (Strings); Meets with: 36571 MU 4541; Perrault, Rudy, 0.50 cr
36724 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Whitlock, Mark Eugene; Eaton, Daniel W; Pospisil, James A; Thornton, Dann Lee, 1 cr	1502 Symphonic Wind Ensemble (prereq Instructor determines placement, may be repeated; meets LEIP req of LEIP CAT 10)	36561 009 REH, 07:00pm-07:50pm TTh, WMH 206; (1-2 hr arr) (Brass Quintet); Meets with: 36572 MU 4541; Thornton, Dann Lee, 0.50 cr
1381 Percussion (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	36479 001 REH, 03:15pm-04:30pm MTWTh, MPAC 1; Meets with: 36501 MU 4502; Whitlock, Mark Eugene, 1 cr	36562 010 REH; (1-2 hr arr) (Woodwinds); Meets with: 36573 MU 4541; Neff, Kathleen Ann; Lipori, Daniel G; Schoen, Theodore A, 0.50 cr
36657 001 STU, 01:00pm-01:50pm Th, MPAC 1; (+ 1/2 hr arr lesson); Schmalenberger, David J, 1 cr	1503 Symphony Orchestra (prereq Instructor determines placement, may be repeated; meets LEIP req of LEIP CAT 10)	36563 011 REH; (1-2 hr arr) (Piano Trio); Meets with: 36574 MU 4541; Doty, Jeanne Alyce; Rubin, Justin H, 0.50 cr
36976 002 STU, 01:00pm-01:50pm Th, MPAC 1; (+ 1 hr arr lesson); Schmalenberger, David J, 3 cr	36480 001 REH, 07:00pm-10:00pm M, MPAC 1, 07:00pm-10:00pm Th, MPAC 1; Meets with: 36502 MU 4503; Perrault, Rudy, 1 cr	37853 013 REH, 04:00pm-04:50pm TTh, WMH 206; Meets with: 37854 MU 4541; Barnard, William Michael, 0.50 cr
1382 Percussion (A-F only; prereq Non-music major or music major sec instr; may be repeated)	1504 Chamber Orchestra (max crs 12; 12 repeats allowed; prereq Instructor consent; may be repeated; meets LE req of LE CAT 10)	1601 Music Fundamentals (A-F only; prereq Pre-ElEd major)
36660 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Schmalenberger, David J, 1 cr	37457 001 REH, 07:00pm-09:30pm W, WMH 206; Meets with: 37458 MU 4504; Perrault, Rudy, 1 cr	36575 001 LEC, 02:00pm-02:50pm T, H 160, 1 cr
1391 Classical Guitar (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	1505 Jazz Ensemble (prereq Instructor determines placement, may be repeated; meets LECD req of LECD CT 10)	36576 002 LEC, 02:00pm-02:50pm Th, H 160, 1 cr
36662 001 STU, 01:00pm-01:50pm Th, H 170; (+ 1/2 hr arr lesson); Annoni, Maria Therese, 1 cr	36534 001 REH, 04:40pm-05:55pm MTWTh, MPAC 1; Meets with: 36543 MU 4505; Frane, Ryan J, 1 cr	1901 Music Technology (A-F only; prereq Music major or instructor consent)
36977 002 STU, 01:00pm-01:50pm Th, H 170; (+ 1 hr arr lesson); Annoni, Maria Therese, 3 cr	36535 002 REH, 02:00pm-02:50pm MWF, MPAC 1; Meets with: 36544 MU 4505; Schmalenberger, David J, 1 cr	36577 001 LAB, 08:00am-08:50am F, MonH 209; Schoen, Theodore A, 1 cr
1392 Classical Guitar (A-F only; prereq Non-music major or music major sec instr; may be repeated)	1510 Concert Chorale (prereq Instructor determines placement, may be repeated; meets LE req of LE CAT 10)	36578 002 LAB, 09:00am-09:50am F, MonH 209; Schoen, Theodore A, 1 cr
36666 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Annoni, Maria Therese, 1 cr	36536 001 REH, 02:00pm-02:50pm MWF, VKH 106; Meets with: 36545 MU 4510; Johnson, Richard Thomas, 1 cr	2001 Ethnic and Folk Music of the World (meets LEIP req of LEIP CAT 9)
1395 Jazz Guitar (max crs 18; 18 repeats allowed; A-F only; prereq Music major, department consent)	1511 University Singers (prereq Instructor determines placement, may be repeated; meets LEIP req of LEIP CAT 10)	36746 001 LEC, 01:00pm-01:50pm MWF, H 150; 1 seat reserved for Continuing education; Anderson, A, 3 cr
36668 001 STU, 01:00pm-01:50pm Th, H 170; (+ 1/2 hr arr lesson); Barnard, William Michael, 1 cr	36537 001 REH, 03:15pm-04:30pm MTWTh, VKH 106; Meets with: 36538 MU 4511; Wold, Stanley R, 1 cr	37342 002 LEC, 02:00pm-02:50pm MWF, H 150; 1 seat reserved for Continuing education; Anderson, A, 3 cr
36978 002 STU, 01:00pm-01:50pm Th, H 171; (+ 1 hr arr lesson); Barnard, William Michael, 3 cr	1512 Chamber Singers (prereq 1511 or 4511; instructor determines placement, may be repeated; meets LE req of LE CAT 10)	2101 Music Theory III (A-F only; prereq 1102)
1396 Jazz Guitar (A-F only; Non-Music major or Music major sec instr; may be repeated)	36539 001 REH, 02:00pm-03:15pm TTh, Room TBA, DULUTH; Meets with: 36546 MU 4512; Wold, Stanley R, 1 cr	36580 001 LEC, 09:00am-09:50am MTWThF, H 150; Doty, Jeanne Alyce; Wegren, Thomas Joseph, 3 cr
36670 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Barnard, William Michael; Cooper, James M; Risdon, David Russell; Osborn, Vincent O, 1 cr	1513 Vocal Jazz Ensemble (prereq Instructor determines placement, may be repeated; meets LECD req of LECD CT 10)	2105 Composition I (max crs 4; 4 repeats allowed; A-F only; prereq 1102)
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.)	36540 001 REH, 05:00pm-06:00pm TWTh, VKH 106; Meets with: 36547 MU 4513; Johnson, Richard Thomas, 1 cr	36581 001 LEC, 01:00pm-02:40pm F, H 222; (+ 1 hr arr); Meets with: 36582 MU 3105, 36583 MU 4105; Rubin, Justin H, 2 cr
36672 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Cooper, James M; Johnson, Michael L; Barnard, William Michael; Osborn, Vincent O, 1 cr	37479 002 REH, 06:00pm-06:50pm TTh, VKH 106; Meets with: 37480 MU 4513; Johnson, Richard Thomas, 1 cr	2443 Woodwind Techniques I (A-F only; prereq Music major or instructor consent)

2802 Jazz Improvisation I (A-F only; prereq 2801)	4101 Instrumental Arranging (A-F only; prereq 1901, 3101 or instructor consent)	4352 Strings (A-F only; prereq Non-music major or music major sec instr; may be repeated)
37408 001 LEC, 10:00am-10:50am TTh, WMH 206; Barnard, William Michael, 1 cr	36585 001 LEC, 11:00am-11:50am MWF, H 222; Schoen, Theodore A, 3 cr	36642 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Anderson, A; Osborn, Vincent O; Perrault, Rudy; Smith, Benjamin N, 1 cr
3101 Form and Analysis (A-F only; prereq 2102)	4105 Composition III (max crs 4; A-F only; prereq 3105)	4357 Harp (max crs 12; 12 repeats allowed; prereq Music major, department consent)
36512 001 LEC, 08:00am-08:50am MW, H 150; Wegren, Thomas Joseph, 2 cr	36583 001 LEC, 01:00pm-02:40pm F, H 222; (+1 hr arr); Meets with: 36581 MU 2105, 36582 MU 3105; Rubin, Justin H, 2 cr	36644 001 STU; (+ 1/2 hr arr lesson); Lemire, Janell Marie, 1 cr
3105 Composition II (max crs 4; 4 repeats allowed; A-F only; prereq 2105)	4311 Voice (max crs 12; 12 repeats allowed; A-F only; prereq Music major or fee-waiver student, department consent)	36986 002 STU; (+ 1 hr arr lesson); Lemire, Janell Marie, 3 cr
36582 001 LEC, 01:00pm-02:40pm F, H 222; (1 hr arr); Meets with: 36581 MU 2105, 36583 MU 4105; Rubin, Justin H, 2 cr	36607 001 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S, 1 cr	4358 Harp (prereq Non-music major or music major sec instr; may be repeated)
3201 Music History I (A-F only; prereq 2102 or instructor consent)	36979 002 STU, 01:00pm-01:50pm Th, VKH 106; (+ 3/4 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S, 2 cr	36646 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Lemire, Janell Marie, 1 cr
36595 001 LEC, 10:00am-10:50am MTWThF, H 150; Lipori, Daniel G, 4 cr	36980 003 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1 hr arr lesson); Inselman, Rachel Laura; Spann, Joseph S, 3 cr	4361 Woodwinds (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)
3212 Opera Literature (A-F only; prereq 1102, music major or instructor consent)	4312 Voice (A-F only; prereq Non-Music major or Music major sec instr; may be repeated)	36648 001 STU, 01:00pm-01:50pm Th, H 220; (+ 1/2 hr arr lesson); Neff, Kathleen Ann; Schoen, Theodore A; Lipori, Daniel G, 1 cr
39544 001 LEC, 09:00am-09:50am MW, VKH 106; Inselman, Rachel Laura, 2 cr	36608 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Inselman, Rachel Laura; Jacobson, Ruth Evangeline; Spann, Joseph S; Kulas, Kate F; Wold, Stanley R, 1 cr	36987 002 STU, 01:00pm-01:50pm Th, H 220; (+ 1 hr arr lesson); Neff, Kathleen Ann; Lipori, Daniel G; Schoen, Theodore A, 3 cr
3300 Recital (max crs 3; A-F only; prereq Department consent, may be repeated)	4321 Piano (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)	4362 Woodwinds (A-F only; prereq Non-music major or music major sec instr; may be repeated)
36541 001 DST, 06:00pm-10:00pm TTh, WMH 101, 02:00pm-06:00pm Su, WMH 101; Kritzmire, Judith A, 1-3 cr	36612 001 STU, 01:00pm-01:50pm Th, H 232; (+ 1/2 hr arr lesson); Doty, Jeanne Alyce; Wegren, Thomas Joseph; Rubin, Justin H, 1 cr	36650 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Neff, Kathleen Ann; Schoen, Theodore A; Lipori, Daniel G, 1 cr
3510 Opera Studio (A-F only; prereq Instructor consent; may be repeated)	36981 002 STU, 01:00pm-01:50pm Th, H 232; (+ 3/4 hr arr lesson); Doty, Jeanne Alyce; Wegren, Thomas Joseph; Rubin, Justin H, 2 cr	4371 Brass (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)
36542 001 LEC, 12:45pm-01:50pm MWF, VKH 106; Meets with: 37470 MU 5510; Inselman, Rachel Laura, 1 cr	36982 003 STU, 01:00pm-01:50pm Th, H 232; (+ 1 hr arr lesson); Doty, Jeanne Alyce; Wegren, Thomas Joseph; Rubin, Justin H, 3 cr	36653 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 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)	4322 Piano (A-F only; prereq Non-music major or music major sec instr; may be repeated)	36988 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, 3 cr
36722 001 LEC, 10:00am-10:50am TTh, H 170; Dorn, Patricia Lynn, 2 cr	36609 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Doty, Jeanne Alyce; Wegren, Thomas Joseph; Rubin, Justin H; Chernyshev, Alexander; Steward, Lori B., 1 cr	4372 Brass (A-F only; prereq Non-music major or music major sec instr; may be repeated)
37065 002 LEC, 11:00am-11:50am TTh, H 170; Dorn, Patricia Lynn, 2 cr	4325 Jazz Piano (max crs 3; prereq Music major, department consent)	36725 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Whitlock, Mark Eugene; Pospisil, James A; Thornton, Dann Lee; Eaton, Daniel W, 1 cr
3603 Music for Early Childhood (A-F only; prereq Instructor consent)	36633 001 STU, 01:00pm-01:50pm Th, H 224; (+ 1/2 hr arr lesson); Frane, Ryan J, 1 cr	4381 Percussion (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)
37417 001 LEC, 11:00am-11:50am W, H 170, 1 cr	36983 002 STU, 01:00pm-01:50pm Th, H 224; (+ 1 hr arr lesson); Frane, Ryan J, 3 cr	36658 001 STU, 01:00pm-01:50pm Th, MPAC 1; (+ 1/2 hr arr lesson); Schmalenberger, David J, 1 cr
3605 Teaching Classroom Music (A-F only; prereq 60 cr, music major or instructor consent)	4331 Organ (max crs 12; 12 repeats allowed; prereq Music major, department consent)	36989 002 STU, 01:00pm-01:50pm Th, MPAC 1; (+ 1 hr arr lesson); Schmalenberger, David J, 3 cr
36723 001 LEC, 08:10am-09:50am TTh, H 170; Shusterich, Sheila K, 4 cr	36636 001 STU, 01:00pm-01:50pm Th, H 232; (+ 1/2 hr arr lesson); Rubin, Justin H, 1 cr	4382 Percussion (A-F only; prereq Non-music major or music major sec instr; may be repeated)
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.)	36984 002 STU, 01:00pm-01:50pm Th, H 232; (+ 1 hr arr lesson); Rubin, Justin H, 3 cr	36659 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Schmalenberger, David J, 1 cr
38191 001 LAB; Shusterich, Sheila K, 1 cr	4332 Organ (A-F only; prereq Non-music major or music major sec instr; may be repeated)	4391 Classical Guitar (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)
3627 Art of Accompanying: Vocal Music (A-F only; prereq Instructor consent)	36638 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Rubin, Justin H, 1 cr	36665 001 STU, 01:00pm-01:50pm Th, H 171; (+ 1/2 hr arr lesson); Annoni, Maria Therese, 1 cr
39578 001 LEC, 01:00pm-01:50pm MW, H 160; Doty, Jeanne Alyce, 2 cr	4351 Strings (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)	36990 002 STU, 01:00pm-01:50pm Th, H 171; (+ 1 hr arr lesson); Annoni, Maria Therese, 3 cr
3701 Choral Conducting and Methods I (A-F only; prereq 2701 or instructor consent)	36640 001 STU, 01:00pm-01:50pm Th, H 243; (+ 1/2 hr arr lesson); Perrault, Rudy; Anderson, A; Osborn, Vincent O, 1 cr	4392 Classical Guitar (A-F only; prereq Non-music major or music major sec instr; may be repeated)
36590 001 LEC, 11:00am-11:50am MWF, WMH 206; Wold, Stanley R, 3 cr	36985 002 STU, 01:00pm-01:50pm Th, H 243; (+ 1 hr arr lesson); Anderson, A; Perrault, Rudy; Osborn, Vincent O, 3 cr	36667 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Annoni, Maria Therese, 1 cr
3705 Instrumental Conducting I (A-F only; prereq 2701 or instructor consent)		
36491 001 LEC, 11:00am-11:50am TTh, WMH 206; Whitlock, Mark Eugene, 1 cr		
3801 Jazz Improvisation III (A-F only; prereq 2802 or instructor consent)		
36521 001 LEC, 09:00am-09:50am TTh, WMH 206; Thornton, Dann Lee, 1 cr		
3805 Jazz Writing I (max crs 3; A-F only; prereq 2102 or instructor consent)		
39539 001 LEC, 12:00pm-12:50pm MW, H 150; Frane, Ryan J, 2 cr		
3991 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent)		
36524 001 IND; Kritzmire, Judith A; Whitlock, Mark Eugene; Schmalenberger, David J, 1-3 cr		

4395 Jazz Guitar (max crs 12; 12 repeats allowed; A-F only; prereq Music major, department consent)	36669 001 STU, 01:00pm-01:50pm Th, H 171; (+ 1/2 hr arr lesson); Barnard, William Michael, 1 cr	36565 002 REH, 06:00pm-06:50pm MW, MPAC 1; (Combo I); Meets with: 36554 MU 1541; Frane, Ryan J, 0.50 cr	8300 Graduate Recital (max crs 2; A-F only; prereq Grad student, instructor consent)
36991 002 STU, 01:00pm-01:50pm Th, H 171; (+ 1 hr arr lesson); Barnard, William Michael, 3 cr		36566 003 REH, 06:00pm-06:50pm TTh, WMH 206; (Combo II); Meets with: 36555 MU 1541; Barnard, William Michael, 0.50 cr	36800 001 PRC; Kritzmire, Judith A, 1 cr
4396 Jazz Guitar (A-F only; prereq Non-music major or music major sec instr; may be repeated)	36671 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Cooper, James M; Barnard, William Michael; Johnson, Michael L, 1 cr	36567 004 REH, 06:00pm-06:50pm TTh, MPAC 1; (Combo III); Meets with: 36556 MU 1541; Thornton, Dann Lee, 0.50 cr	8301 Graduate Applied Music: Major Instrument (max crs 2; A-F only; prereq Advanced proficiency, grad student, instructor consent)
		36568 005 REH, 06:00pm-06:50pm MW, WMH 206; (Combo IV); Meets with: 36557 MU 1541; Eaton, Daniel W, 0.50 cr	36689 001 STU; Inselman, Rachel Laura; Doty, Jeanne Alyce; Annoni, Maria Therese, 1-2 cr
4501 Concert Band (max crs 12; 12 repeats allowed; A-F only; prereq Instructor determines placement)	36494 001 REH, 12:00pm-12:50pm MWF, MPAC 1; Meets with: 36478 MU 1501; Eaton, Daniel W, 1 cr	36569 006 REH, 10:00am-11:30am S, MPAC 1, 04:00pm-05:30pm F, MPAC 1; (Pep Band); Meets with: 36558 MU 1541; Eaton, Daniel W, 0.50 cr	8302 Graduate Applied Music: Secondary Instrument (A-F only; prereq Intermediate proficiency, grad student, instructor consent; may be repeated)
		36570 007 REH, 04:00pm-04:50pm MW, WMH 206; (1-2 hr arr) (Guitar Ensemble); Meets with: 36559 MU 1541; Barnard, William Michael, 0.50 cr	36688 001 STU; Doty, Jeanne Alyce; Inselman, Rachel Laura, 1 cr
4502 Symphonic Wind Ensemble (max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)	36501 001 REH, 03:15pm-04:30pm MTWTh, MPAC 1; Meets with: 36479 MU 1502; Whitlock, Mark Eugene, 1 cr	36571 008 REH; (1-2 hr arr H 243) (Strings); Meets with: 36560 MU 1541; Thornton, Dann Lee, 0.50 cr	8401 Graduate Music Pedagogy (A-F only; prereq Graduate Student or instructor consent)
		36572 009 REH, 07:00pm-07:50pm TTh, WMH 206; (1-2 hr arr) (Brass Quintet); Meets with: 36561 MU 1541; Thornton, Dann Lee, 0.50 cr	37731 001 LEC, 1 cr
4503 Symphony Orchestra (max crs 12; 12 repeats allowed; A-F only; prereq Instructor determines placement)	36502 001 REH, 07:00pm-10:00pm M, MPAC 1, 07:00pm-10:00pm Th, MPAC 1; Meets with: 36480 MU 1503; Perrault, Rudy, 1 cr	36573 010 REH; (1-2 hr arr) (Woodwinds); Meets with: 36562 MU 1541; Neff, Kathleen Ann; Lipori, Daniel G; Schoen, Theodore A, 0.50 cr	8601 Foundations of Music Education (A-F only; prereq Grad student or instructor consent)
		36574 011 REH; (1-2 hr arr) (Piano Trio); Meets with: 36563 MU 1541; Doty, Jeanne Alyce; Rubin, Justin H, 0.50 cr	37981 001 LEC, 06:00pm-08:30pm W, H 150; Kritzmire, Judith A, 3 cr
4504 Chamber Orchestra (A-F only; prereq Instructor determines placement)	37458 001 REH, 07:00pm-09:30pm W, WMH 206; Meets with: 37457 MU 1504; Perrault, Rudy, 1 cr	37854 013 REH, 04:00pm-04:50pm TTh, WMH 206; Meets with: 37853 MU 1541; Barnard, William Michael, 0.50 cr	8701 Graduate Applied Conducting (max crs 12; 12 repeats allowed; A-F only; prereq 3702, 3706 or equivalent; Graduate Student or instructor consent)
			37654 001 LEC; Wold, Stanley R, 1-2 cr
4505 Jazz Ensemble (max crs 4; A-F only; prereq Instructor determines placement)	36543 001 REH, 04:40pm-05:55pm MTWTh, MPAC 1; Meets with: 36534 MU 1505; Frane, Ryan J, 1 cr	4601 Applied Music Teaching (A-F only; prereq Instructor consent)	8899 Directed Project in Music Education (max crs 12; A-F only; prereq Grad, instructor consent)
36544 002 REH, 02:00pm-02:50pm MWF, MPAC 1; Meets with: 36535 MU 1505; Schmalenberger, David J, 1 cr		36600 001 STU, 1 cr	39564 001 DRS; Kritzmire, Judith A, 1-12 cr
4510 Concert Chorale (max crs 4; A-F only; prereq Instructor determines placement)	36545 001 REH, 02:00pm-02:50pm MWF, VKH 106; Meets with: 36536 MU 1510; Johnson, Richard Thomas, 1 cr	4623 Piano Techniques and Style (A-F only; prereq 1321 or instructor consent)	8991 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Grad student, instructor consent)
		39545 001 LEC, 11:00am-11:50am MWF, H 160; Doty, Jeanne Alyce, 3 cr	36687 001 IND; Kritzmire, Judith A, 1-2 cr
4511 University Singers (max crs 12; 12 repeats allowed; A-F only; prereq Instructor determines placement)	36538 001 REH, 03:15pm-04:30pm MTWTh, VKH 106; Meets with: 36537 MU 1511; Wold, Stanley R, 1 cr	4997 Internship in Music (max crs 4; 4 repeats allowed; A-F only; prereq Department consent)	
		36699 001 DST; Rubin, Justin H; Wegren, Thomas Joseph, 1-2 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)	36546 001 REH, 02:00pm-03:15pm TTh, Room TBA, DULUTH; Meets with: 36539 MU 1512; Wold, Stanley R, 1 cr	5201 Advanced Music History (max crs 3; A-F only; prereq 3201, 3202 or instructor consent)	
		39546 001 LEC, 05:00pm-06:30pm Th, H 150; Lipori, Daniel G, 2 cr	
4513 Vocal Jazz Ensemble (A-F only; prereq Instructor determines placement)	36547 001 REH, 05:00pm-06:00pm TWTh, VKH 106; Meets with: 36540 MU 1513; Johnson, Richard Thomas, 1 cr	5203 Advanced Choral Literature (A-F only; prereq 3706 or instructor consent)	
37480 002 REH, 06:00pm-06:50pm TTh, VKH 106; Meets with: 37479 MU 1513; Johnson, Richard Thomas, 1 cr		37590 001 LEC; Wold, Stanley R, 3 cr	
4541 Chamber Music (max crs 1; A-F only; prereq Instructor consent, may be repeated)	36564 001 REH, 02:00pm-02:50pm TTh, MPAC 1; (Percussion Ensemble); Meets with: 36553 MU 1541; Schmalenberger, David J, 0.50 cr	5204 Instrumental Ensemble Literature (A-F only; prereq Graduate Student or instructor consent)	
		37848 001 LEC, 2 cr	
		5205 Instrumental Solo Literature (A-F only; prereq Grad student or instructor consent.)	
		37849 001 LEC, 1 cr	
		5206 Vocal Solo Literature (A-F only; prereq Grad student or instructor consent)	
		37730 001 LEC; Inselman, Rachel Laura, 1-3 cr	
		5207 Instrumental Chamber Music Literature (A-F only; prereq Grad student or instructor consent)	
		37850 001 LEC; Lipori, Daniel G, 1 cr	
		5510 Opera Studio (max crs 6; 6 repeats allowed; A-F only; prereq 3510 or equivalent, grad student or instructor consent.)	
		37470 001 LAB, 12:45pm-01:50pm MWF, VKH 106; Meets with: 36542 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)	
		36698 001 IND; Kritzmire, Judith A; Whitlock, Mark Eugene, 1-3 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)	37599 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)	36764 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)	36762 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)	36765 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)	36767 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)	36766 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 Masters student, adviser and DGS consent)
37392 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
37203 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)
37213 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))
37233 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)
37243 001 THE, 1-24 cr

PHARMACY (Phar) College of Pharmacy, Duluth

- 1001 Orientation to Pharmacy**
39596 001 IND; Janke PhD, Kristin Kari, 1 cr
- 1003 Self Care: A Guide to Today's Nonprescription Pharmacy**
(prereq Course orientation at <http://courses.pharmacy.umn.edu> or contact [selfcare@umn.edu or 612-624-7976] or visit B-288 Mayo)
39597 001 IND; Janke PhD, Kristin Kari, 2 cr
- 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)
39594 001 LEC, 09:05am-09:55am MWF, Room TBA, DULUTH, 08:00am-09:55am T, Room TBA, DULUTH, 3 cr
- 5201 Health Sciences Applied Terminology**
(prereq Course orientation at <http://courses.pharmacy.umn.edu> or contact [medterm@umn.edu or 612-624-7976] or visit B-288 Mayo)
39598 001 IND; 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, 11:00am-11:50am MTThF, Room TBA, DULUTH; Stauffer, Edward Keith
38241 002 LAB, 01:00pm-03:00pm Th, Room TBA, DULUTH; 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)
38236 001 LEC, 03:35pm-05:30pm TTh, Room TBA, DULUTH; Stratton, Timothy P, 4 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)
39587 001 LEC, 11:15am-12:05pm MTWThF, Room TBA, DULUTH, 5 cr
- 6132 Biostatistics and Drug Literature Evaluation**
(A-F only; prereq 6111, concurrent registration is required (or allowed) in 6173)
39588 001 LET, 10:10am-11:00am TTh, Room TBA, DULUTH, 2 cr
- 6141 Medical Microbiology and Immunizations**
(A-F only)
38237 001 LEC, 04:40pm-05:30pm MW, Room TBA, DULUTH, 09/07/04-10/27/04; Anderson, Grant Wesley, 1 cr

- 6151 Biochemistry of Medicinals I**
(A-F only)
38238 001 LEC, 03:35pm-04:25pm MWF, Room TBA, DULUTH; Rumbley, Jon N, 3 cr
- 6154 Medicinal Agents I**
(A-F only; prereq 6152, concurrent registration required (or allowed) in 5101)
39589 001 LEC, 08:00am-08:50am MWF, Room TBA, DULUTH, 3 cr
- 6161 Drug Delivery I**
(A-F only; prereq Concurrent registration required (or allowed) in 6171)
38239 001 LEC, 02:30pm-03:20pm MWF, Room TBA, DULUTH; Rutkowski, Gregory, 3 cr
- 6163 Pharmacokinetics**
(A-F only; prereq Calculus I or equiv, 6162)
39590 001 LEC, 10:10am-11:00am MWF, Room TBA, DULUTH, 3 cr
- 6171 Pharmaceutical Care Lab I**
(A-F only; prereq Concurrent registration is required (or allowed) in 6151, 6111, 6161)
001 LEC, 02:30pm-03:20pm T, Room TBA, DULUTH; Westberg, Sarah M.
38243 002 LAB, 08:30am-10:20am T, Room TBA, DULUTH; Westberg, Sarah M., 2 cr
38244 003 LAB, 12:30pm-02:20pm W, Room TBA, DULUTH; Westberg, Sarah M., 2 cr
- 6173 Pharmaceutical Care Lab III**
(A-F only; prereq Concurrent registration is required (or allowed) in 6121, 6132)
001 LEC, 09:05am-09:55am Th, Room TBA, DULUTH
39592 002 LAB, 1 cr
39593 003 LAB, 1 cr

PHILOSOPHY (Phil) College of Liberal Arts

- 1001 Introduction to Philosophy**
(A-F only; meets LE req of LE CAT7)
35807 001 LEC, 08:00am-08:50am MWF, ABAH 235; 1 seat reserved for Continuing education; meets LE req of LE CAT2; Swan, Kyle S, 3 cr
35808 002 LEC, 09:00am-09:50am MWF, Cina 102; meets LE req of LE CAT2; Mayo, David J, 3 cr
35809 003 LEC, 10:00am-10:50am MWF, Engr 280; meets LE req of LE CAT2; Swan, Kyle S, 3 cr
- 1003 Ethics and Society**
(A-F only; meets LEIP req of LEIP CAT8)
35810 001 LEC, 02:00pm-03:15pm TTh, MonH 70; meets LEIP req of LEIP CAT7; Vanderheiden, Steven Jon, 3 cr
39392 090 LEC, 06:00pm-08:40pm W, H 403; 10 seats reserved for Continuing education; Swan, Kyle S, 3 cr
- 1007 Philosophy and World Religions**
(A-F only; meets LEIP req of LEIP CAT7)
37651 001 LEC, 09:30am-10:45am TTh, Engr 290; Swan, Kyle S, 3 cr
- 1008 Critical Thinking**
(A-F only; meets LE req of LE CAT2)
36204 090 LEC, 06:00pm-09:20pm T, ABAH 445; 10 seats reserved for Continuing education; Peterson, Nancy J, 4 cr
- 1018 Logic**
(A-F only; meets LE req of LE CAT2)
36205 001 LEC, 01:00pm-01:50pm MTWTh, Cina 202; 1 seat reserved for Continuing education; Cole, David J, 4 cr
- 1021 Classical Mythology**
(A-F only; meets LE req of LE CAT9)
37668 001 LEC, 09:00am-09:50am MWF, H 403; 1 seat reserved for Continuing education; Browning, Eve Anne, 3 cr
- 2001 Existential Literature**
(A-F only; prereq Comp 1120, 30 cr or instructor consent)
39505 090 LEC, 06:00pm-08:40pm M, ABAH 245; 10 seats reserved for Continuing education; Evans, Robert Howard; Browning, Eve Anne, 3 cr

- 2021 Science and Pseudo-Science: Thinking about Weird Things**
(A-F only; meets LE req of LE CAT8)
37256 001 LEC, 03:30pm-04:45pm TTh, H 403; Fetzer, James H, 3 cr
- 3222 Medical Ethics**
(A-F only)
36207 001 LEC, 10:00am-11:50am TTh, ABAH 235; Mayo, David J, 4 cr
- 3301 Greek Philosophy**
(A-F only; prereq 30 cr or instructor consent)
36226 001 LEC, 12:00pm-12:50pm MTWF, H 403; Browning, Eve Anne, 4 cr
- 3325 Environmental Ethics**
(A-F only; prereq 30 cr or instructor consent)
38094 001 LEC, 04:00pm-05:30pm TTh, Engr 280; Vanderheiden, Steven Jon, 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)
36629 001 COL; Cole, David J, 1 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)
39504 001 LEC, 02:00pm-03:50pm TTh, ABAH 245; Cole, David J, 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)
36826 001 IND; Cole, David J, 1-3 cr
- 5997 Intern Teaching Assistantship**
(max crs 4; A-F only; prereq Instructor consent)
36631 001 IEX, 2 cr

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

- 1220 Intermediate Swimming**
(meets LE req of PE)
36749 001 PHY, 09:00am-09:50am MW, SpHC 20; Batinich, Gregg Anthony, 1 cr
- 1300 Ballroom Dance**
(meets LE req of PE)
37123 090 PHY, 06:00pm-07:50pm M, SpHC 135; 10 seats reserved for Continuing education; Carlson, Cynthia C, 1 cr
- 1402 Tennis**
(meets LE req of PE)
36753 001 PHY, 09:00am-09:50am MW, FH 25; Gibbs, Nate, 1 cr
- 1410 Golf**
(meets LE req of PE)
37116 001 PHY, 11:00am-11:50am MWF, FH 25, 09/07/04-10/15/04; Wendinger, Patricia J, 1 cr
- 1414 Bowling**
(meets LE req of PE)
37114 001 PHY, 02:00pm-03:40pm T, Skyline La SKYLINELAN, OFFCMPUMD; (Meets first day in SpHC 145); Wendinger, Patricia J, 1 cr
39441 002 PHY, 02:00pm-03:40pm Th, Skyline La SKYLINELAN; Meets first day in SpHC 145; Wendinger, Patricia J, 1 cr
- 1507 Introduction to River Kayaking**
(meets LE req of PE)
36734 001 PHY, 02:00pm-03:50pm T, SpHC 20, 09/07/04-10/29/04; Carlson, Randall Scott, 1 cr
37124 090 PHY, 07:00pm-09:00pm W, SpHC 20, 09/07/04-10/29/04; (Special term: 9/6-10/24); 3 seats reserved for Continuing education; Carlson, Randall Scott, 1 cr

- 1508 Flatwater Canoeing**
(meets LE req of PE)
- 36733 001 PHY, 12:00pm-02:00pm MW, SpHC 20, OFFCMPUMD, 09/07/04-10/29/04, 12:00pm-02:00pm MW, Aquatic Ce AQUACENTER, OFFCMPUMD, 09/07/04-10/29/04; First 2 weeks in SpHC 20 - the pool; Beery, Thomas Harold, 1 cr
- 1511 Sea Kayaking**
(A-F only)
- 37290 001 PHY, 08:30am-11:30am Th, Aquatic Ce AQUACENTER; (first day 9/9 and last day 11/11 are in SpHC 119); Eliason, Gregory R, 1 cr
- 1530 Rock Climbing**
(meets LE req of PE)
- 36761 001 PHY, 02:00pm-06:00pm T, SpHC 78; Webster, Kaija Marie, 1 cr
- 1531 Intermediate Rock Climbing**
(prereq 1530 or instructor consent)
- 37621 001 PHY, 02:00pm-06:00pm Th, SpHC 78; Webster, Kaija Marie, 1 cr
- 1600 Physical Fitness**
(meets LE req of PE)
- 37115 001 PHY, 10:00am-10:50am MW, FH 25; Wendinger, Patricia J, 1 cr
- 1601 Aerobics**
(meets LE req of PE)
- 36772 001 PHY, 08:00am-08:50am MW, SpHC 135; Wendinger, Patricia J, 1 cr
- 36773 002 PHY, 08:00am-08:50am TTh, SpHC 135; Wendinger, Patricia J, 1 cr
- 1612 Karate**
(meets LE req of PE)
- 36750 001 PHY, 09:00am-09:50am MW, SpHC 150A; Sullivan, Thomas G, 1 cr
- 1613 Karate: Advanced Belts**
(max crs 4; 4 repeats allowed; A-F only; prereq 1612 or equivalent or instructor consent)
- 37076 001 PHY, 10:00am-10:50am MW, SpHC 150A; Sullivan, Thomas G, 1 cr
- 1614 Self Defense**
(meets LE req of PE)
- 36751 001 PHY, 11:00am-11:50am MW, SpHC 150A; Sullivan, Thomas G, 1 cr
- 1616 Weight Training**
(meets LE req of PE)
- 36745 001 PHY, 09:00am-09:50am MW, SpHC 33; Wendinger, Michael J, 1 cr
- 37705 002 PHY, 09:30am-10:20am TTh, SpHC 33; Wendinger, Patricia J, 1 cr
- 1620 Aikido**
(meets LE req of PE)
- 36752 001 PHY, 12:00pm-01:50pm TTh, SpHC 145; Gulbrandsen, Frank A, 1 cr
- 1706 Volleyball**
(meets LE req of PE)
- 37117 001 PHY, 09:00am-09:50am MW, SpHC 150; Wendinger, Patricia J, 1 cr
- 1901 Varsity Football**
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
- 37167 001 PHY; Schweigert, Kyle Frederick, 1 cr
- 1903 Varsity Soccer**
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
- 37168 001 PHY; Cane, Greg P, 1 cr
- 1905 Varsity Basketball**
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
- 37169 001 PHY; Holquist, Gary W, 1 cr
- 37173 002 PHY; Stromme, Karen L, 1 cr
- 1907 Varsity Ice Hockey**
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
- 37170 001 PHY; Sandelin, Scott A, 1 cr
- 37174 002 PHY; Miller, Shannon, 1 cr
- 1913 Varsity Cross Country**
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
- 37171 001 PHY; Fulkrod, John E, 1 cr

- 1917 Varsity Volleyball**
(max crs 4; 4 repeats allowed; S-N; prereq instructor consent)
- 37172 001 PHY; Boos, Jim, 1 cr
- 2240 Lifeguarding Today**
(prereq Ability to swim 500 yards, instructor consent)
- 36617 001 PHY, 08:00am-09:15am TTh, SpHC 9, 08:00am-09:15am TTh, SpHC 20; Batinich, Gregg Anthony, 1 cr
- 2244 Water Safety Instructor**
(A-F only; prereq 1240, 17 yrs old, knowledge and skill based on Emergency Water Safety Standard)
- 36709 001 PHY, 09:30am-10:45am TTh, SpHC 20; Batinich, Gregg Anthony, 2 cr
- 3750 Movement Experience for the Young Child**
(A-F only; prereq ECh majors)
- 37398 001 LEC, 08:00am-09:50am F, SpHC 208, 09/07/04-10/29/04, 08:00am-09:50am F, SpHC 150A, 09/07/04-10/29/04; Wendinger, Patricia J, 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)
- 38141 001 LEC, 11:00am-11:50am MW, SpHC 208; Knapp, Jim Leroy, 2 cr
- 1010 Teaching Elementary Games and Gymnastics**
(A-F only; prereq PE or rec major or instructor consent, cr will not be granted if cr received for 1000)
- 37997 001 LEC, 08:00am-09:15am TTh, SpHC 150A, 08:00am-09:15am T, SpHC 207; Carlson, Jane A K, 1 cr
- 1310 Teaching Dance**
(A-F only; prereq PE or exer sci or rec)
- 38142 001 LEC, 10:00am-11:50am MWF, SpHC 135, 09/07/04-10/29/04; Murray, Virginia Mae, 2 cr
- 1600 Teaching Fitness and Weight Training**
(A-F only; prereq PE, exer sci or rec major or instructor consent)
- 36714 001 LEC, 08:00am-08:50am MWF, SpHC 33, 08:00am-08:50am MWF, SpHC 9; Knapp, Jim Leroy, 2 cr
- 1710 Teaching Volleyball and Basketball**
(A-F only; prereq PE, exer sci or rec major or instructor consent)
- 36715 001 LEC, 09:30am-10:45am TTh, SpHC 150; Knapp, Jim Leroy, 1 cr
- 3010 Adapted Physical Education**
(A-F only; prereq PE candidate or instructor consent)
- 35900 001 LEC, 02:00pm-03:15pm TTh, SpHC 150A, 02:00pm-03:15pm TTh, SpHC 212; Knapp, Jim Leroy, 3 cr
- 3035 Physiology and Mechanics of Physical Activity**
(A-F only; prereq Hlth 2040, pe major or cand or instructor consent)
- 37998 001 LEC, 09:00am-09:50am MWF, SpHC 210, 3 cr
- 3126 Elementary School Physical Education**
(A-F only; prereq elem/middle schll teach educ pre- or candidate or instructor consent)
- 36784 001 LEC, 08:00am-09:15am TTh, SpHC 150A, 08:00am-09:15am TTh, SpHC 210; Knapp, Jim Leroy, 2 cr
- 37407 002 LEC, 12:00pm-01:15pm TTh, SpHC 150A, 12:00pm-01:15pm TTh, SpHC 208; Carlson, Jane A K, 2 cr
- 3500 Facilities Management**
(A-F only; prereq Exer sci or rec cand or instructor consent)
- 36090 001 LEC, 09:30am-10:45am TTh, SpHC 208; Collins, Donald T, 3 cr

- 3509 Teaching Canoeing**
(prereq Exer sci or pe or rec major, PE 1508 or instructor consent, cr will not be granted if cr received for 1509)
- 38192 001 LEC, 02:00pm-04:00pm MW, SpHC 20, 09/07/04-11/05/04, 02:00pm-04:00pm MW, Aquatic Ce AQUACENTER, 09/07/04-11/05/04; First 2 weeks in SpHC 20 - the pool; Beery, Thomas Harold, 1 cr
- 3700 Student Assessment in Physical Education**
(max crs 4; A-F only; prereq PE majors or cand or instructor consent)
- 38167 001 LEC, 11:00am-11:50am MWF, SpHC 205, 11:00am-11:50am MWF, SpHC 150; Millsagle, 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)
- 37999 001 LEC, 11:00am-12:15pm MWF, SpHC 212; Carlson, Jane A K, 4 cr
- 3731 Apprenticeship: Secondary**
(A-F only; prereq Concurrent registration is required (or allowed) in 3730, admission to STEP (Secondary Teacher Education Program) or instructor consent)
- 39548 001 LAB; Carlson, Jane A K, 2 cr
- 3970 Supervised Teaching: College**
(A-F only; prereq [3720 or PE 3122], [3730 or PE 3123] BAS PE cand, instructor consent)
- 39555 001 PRC; Knapp, Jim Leroy, 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)
- 36770 001 IND; Keener, John R, 1-4 cr
- 36771 002 IND; Nierengarten, Mark Edward, 1-4 cr
- 37291 003 IND; Millsagle, Duane G., 1-4 cr
- 37292 004 IND; Levy, Morris, 1-4 cr
- 4992 Directed Readings**
(max crs 6; 8 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)
- 36769 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)
- 36768 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: 37287 PHYS 1001; Johnson, Darrin Eric
- 35799 002 LAB, 09:00am-10:50am T, MWAH 275, 5 cr
- 35800 003 LAB, 11:00am-12:50pm T, MWAH 275, 5 cr
- 35801 004 LAB, 03:00pm-04:50pm T, MWAH 275, 5 cr
- 35802 005 LAB, 02:00pm-03:50pm W, MWAH 275, 5 cr
- 35803 006 LAB, 08:00am-09:50am Th, MWAH 275, 5 cr
- 35804 007 LAB, 10:00am-11:50am Th, MWAH 275, 5 cr
- 37802 008 LAB, 12:00pm-01:50pm Th, MWAH 275, 5 cr
- 37803 009 LAB, 02:00pm-03:50pm Th, MWAH 275, 5 cr
- 37287 020 LET, 08:00am-08:50am MTWF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 35798 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: 38007 PHYS 1002; Casserberg, Bo R.

38002	002 LAB, 10:00am-11:50am T, MWAH 249, 5 cr	3061	Instrumentation (A-F only; prereq 2022 or 1203 or 1205, 1 sem programming) 001 LEC, 01:00pm-01:50pm TTh, MWAH 279; Habig, Alec T	1200	Introduction to Public Policy (A-F only; meets LE req of LE CAT8)
38003	003 LAB, 12:00pm-01:50pm T, MWAH 249, 5 cr	39470	002 LAB, 02:00pm-04:50pm Th, MWAH 379; Habig, Alec T, 3 cr	36848	001 LEC, 01:00pm-01:50pm MWF, H 314; 1 seat reserved for Continuing education; 30 seats reserved for Learning Community F04, 3 cr
38004	004 LAB, 08:00am-09:50am Th, MWAH 249, 5 cr	3091	Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Department consent)	1500	Introduction to Comparative Politics (A-F only; meets LEIP req of LEIP CAT6)
38005	005 LAB, 10:00am-11:50am Th, MWAH 249, 5 cr	35964	001 IND, 1-3 cr	36002	001 LEC, 12:00pm-12:50pm MWF, Chem 150; 1 seat reserved for Continuing education; Kostadinova, Tatiana Pentcheva, 3 cr
38006	006 LAB, 02:00pm-03:50pm Th, MWAH 249, 5 cr	3094	Physics Research (max crs 6; 6 repeats allowed; S-N only; prereq Department consent)	1610	Politics and Society (A-F only; meets LE req of LE CAT7)
38007	020 LET, 09:00am-09:50am MTWF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 38001 PHYS 1002; Casserberg, Bo R., 5 cr	35965	001 DRS, 1-6 cr	36003	001 LEC, 09:00am-09:50am MWF, SCC 120; 1 seat reserved for Continuing education; Chilton, Stephen P, 3 cr
1011	Ideas in Physics (A-F only; prereq Will not satisfy major or minor requirements in phys; meets LE req of LE CAT5)	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)	2700	Methodology and Analysis (A-F only)
36904	001 LEC, 01:00pm-01:50pm MWF, MWAH 195; 2 seats reserved for Continuing education; Johnson, Darrin Eric, 3 cr	35966	001 IND; Casserberg, Bo R., 1-2 cr	39477	001 LEC, 02:00pm-03:05pm MWF, H 403; Kostadinova, Tatiana Pentcheva, 4 cr
1021	Exploring Current Topics in Physics (A-F only)	4031	Thermal and Statistical Physics (A-F only; prereq 2021)	3020	State Government (A-F only; prereq 1011, 45 cr or instructor consent)
37804	001 LEC, 11:00am-11:50am Th, MWAH 195; May, Brian Douglas, 1 cr	39473	001 LEC, 09:00am-09:50am MTWF, MWAH 279; Sydor, Michael, 4 cr	39472	001 LEC, 12:00pm-12:50pm MWF, MonH 206; Grau, Craig H, 3 cr
2011	General Physics I (A-F only; prereq Math 1290 or Math 1296; cr will not be granted if cr received for 1201; meets LE req of LE CAT4)	5052	Computational Methods in Physics (A-F only; prereq 2021, 1 sem programming, Math 3280)	3040	Women and Politics (A-F only; prereq 45 cr or instructor consent)
	001 LEC, 02:00pm-02:50pm MWThF, MWAH 195; Meets with: 37778 PHYS 2011	39581	002 LEC, 03:00pm-03:50pm MW, MWAH 397; Ralph, Elise Ann, 3 cr	38079	001 LEC, 06:00pm-07:15pm TTh, Cina 308; 1 seat reserved for Continuing education; Christian, Cindy M, 3 cr
37770	002 LAB, 08:00am-09:50am T, MWAH 277, 4 cr	5090	Physics Seminar (max crs 2; A-F only; prereq Sr or grad student)	3080	Environment and Politics (A-F only; prereq 1011, 45 cr or instructor consent)
37771	003 LAB, 10:00am-11:50am T, MWAH 277, 4 cr	39492	001 SEM, 04:00pm-04:50pm W, MWAH 279; Maps, Jonathan, 1 cr	38080	001 LEC, 04:00pm-04:50pm MWF, Cina 224, 3 cr
37772	004 LAB, 12:00pm-01:50pm T, MWAH 277, 4 cr	5521	Quantum Mechanics I (A-F only; prereq 4021)	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)
37773	005 LAB, 02:00pm-03:50pm T, MWAH 277, 4 cr	39495	001 LEC, 10:00am-10:50am MWF, MWAH 279; Hiller, John R, 3 cr	36869	001 IEX, 1-12 cr
37774	006 LAB, 03:00pm-04:50pm W, MWAH 277, 4 cr	5551	General Relativity (A-F only; prereq 4001)	41403	002 IEX, 1-12 cr
37775	007 LAB, 10:00am-11:50am Th, MWAH 277, 4 cr	40379	001 LEC, 01:00pm-01:50pm MWF, MWAH 279, 4 cr	41404	003 IEX, 1-12 cr
37776	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)	41405	004 IEX, 1-12 cr
37777	009 LAB, 03:00pm-04:50pm Th, MWAH 277, 4 cr	36222	001 IND, 1-3 cr	41406	005 IEX, 1-12 cr
37778	020 LET, 02:00pm-02:50pm MWThF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 37769 PHYS 2011, 4 cr	5594	Physics Research (max crs 6; 6 repeats allowed; S-N only; prereq Instructor consent)	41407	006 IEX, 1-12 cr
2012	General Physics II (A-F only; prereq 2011, Math 1297; credit will not be granted if credit received for 1202 or 1204)	36225	001 DRS; Sydor, Michael, 1-3 cr	41408	007 IEX, 1-12 cr
	001 LEC, 12:00pm-12:50pm MWThF, MWAH 195; Meets with: 38016 PHYS 2012; Sydor, Michael	8333	FTE: Master's (NGA; prereq Masters student, adviser and DGS consent)	41409	008 IEX, 1-12 cr
38009	002 LAB, 08:00am-09:50am T, MWAH 241; Sydor, Michael, 4 cr	37195	001 DRS, 1 cr	41410	009 IEX, 1-12 cr
38010	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))	41411	010 IEX, 1-12 cr
38011	004 LAB, 12:00pm-01:50pm T, MWAH 241, 4 cr	37235	001 THE, 1-18 cr	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)
38012	005 LAB, 02:00pm-03:50pm W, MWAH 241, 4 cr	36870	001 IEX, 1-2 cr	41412	002 IEX, 1-2 cr
38013	006 LAB, 10:00am-11:50am Th, MWAH 241, 4 cr	41413	003 IEX, 1-2 cr	41414	004 IEX, 1-2 cr
38014	007 LAB, 01:00pm-02:50pm Th, MWAH 241, 4 cr	41415	005 IEX, 1-2 cr	41416	006 IEX, 1-2 cr
38015	008 LAB, 03:00pm-04:50pm Th, MWAH 241, 4 cr	41417	007 IEX, 1-2 cr	41418	008 IEX, 1-2 cr
38016	020 LET, 12:00pm-12:50pm MWThF, MWAH 195; (For students repeating the course who have satisfactorily completed the lab); Meets with: 38008 PHYS 2012; Sydor, Michael, 4 cr	3140	American Political Parties and Elections (A-F only; prereq 1011, 45 cr or instructor consent)	39476	001 LEC, 06:00pm-08:30pm T, SCC 120; Pogue, David A, 3 cr
2111	Solving Physics Problems I (S-N only; prereq Math 1296, concurrent registration is required in 2011, cr will not be granted if cr received for 1101)	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)	36868	001 IEX, 1-12 cr
37779	001 DIS, 04:00pm-04:50pm M, MWAH 195; May, Brian Douglas, 1 cr	36868	001 IEX, 1-12 cr	41419	002 IEX, 1-12 cr
2112	Solving Physics Problems II (S-N only; prereq Math 1297, concurrent registration is required in 2012)	41420	003 IEX, 1-12 cr	41421	004 IEX, 1-12 cr
38017	001 DIS, 04:00pm-04:50pm W, MWAH 195; Casserberg, Bo R., 1 cr	41422	005 IEX, 1-12 cr	41423	006 IEX, 1-12 cr
		41424	007 IEX, 1-12 cr	41425	008 IEX, 1-12 cr
		41426	009 IEX, 1-12 cr	41427	010 IEX, 1-12 cr
		41427	010 IEX, 1-12 cr		

POLITICAL SCIENCE (Pol) College of Liberal Arts

1011 American Government and Politics (A-F only; meets LE req of LE CAT6)

35999 001 LEC, 10:00am-10:50am MWF, MWAH 195; Grau, Craig H, 3 cr
38252 002 LEC, 04:00pm-05:15pm TTh, Cina 202; 55 seats reserved for Learning Community F04; Pogue, David A, 3 cr

1050 International Relations

(A-F only; meets LEIP req of LEIP CAT8)
36001 001 LEC, 08:00am-09:15am TTh, Cina 102; 1 seat reserved for Continuing education; Sharp, Paul, 3 cr
37463 200 INI, instruction mode: Individ Lrng Prog FA Eligible; (Individualized Instruction); 2 seats reserved for Continuing education; Thayer, Bradley A, 3 cr

- 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.)
- 37085 001 IEX, 3-12 cr
41428 002 IEX, 3-12 cr
41429 003 IEX, 3-12 cr
41430 004 IEX, 3-12 cr
41431 005 IEX, 3-12 cr
41432 006 IEX, 3-12 cr
41433 007 IEX, 3-12 cr
41434 008 IEX, 3-12 cr
41435 009 IEX, 3-12 cr
41436 010 IEX, 3-12 cr
- 3310 Public Opinion and Propaganda**
(A-F only; prereq 45 cr or instructor consent)
- 39478 001 LEC, 09:00am-09:50am MWF, H 458; Grau, Craig H, 3 cr
- 3570 Third World and Development**
(A-F only; prereq 1050 or 1500 or 8 cr soc sci, 45 cr or instructor consent)
- 37725 001 LEC, 11:00am-11:50am MWF, ABAH 245; Chilton, Stephen P, 3 cr
- 3610 Political Economy: An Introduction**
(A-F only; prereq 45 cr incl 6 cr soc sci or econ or bus or instructor consent)
- 39485 001 LEC, 12:00pm-01:50pm TTh, H 458; Pogue, David A, 4 cr
- 3910 Honors Seminar: Landmarks in Political Science.**
(A-F only; prereq 55 cr, 3.00 GPA in pol courses, department consent)
- 36111 001 SEM, 03:00pm-04:50pm MW, H 480; Chilton, Stephen P, 4 cr
- 4190 The Senior Seminar**
(A-F only; prereq 6 cr in relevant upper div pol courses, instructor consent)
- 36102 001 SEM, 10:00am-11:50am TTh, ROTC 12; Vanderheiden, Steven Jon, 4 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)
- 36112 001 IND, 1-4 cr
41437 002 IND, 1-4 cr
41438 003 IND, 1-4 cr
41439 004 IND, 1-4 cr
41440 005 IND, 1-4 cr
41441 006 IND, 1-4 cr
41442 007 IND, 1-4 cr
41443 008 IND, 1-4 cr
41444 009 IND, 1-4 cr
41445 010 IND, 1-4 cr
- 4192 Senior Seminar in Policy Studies**
(A-F only; prereq Completion of core course requirements for public policy concentration, instructor consent)
- 38084 001 SEM, 06:00pm-07:50pm MW, H 480, 4 cr
- 2010 Human Service Seminar: Issues and Ethics in the Field**
(S-N only; prereq Psy major)
- 37078 001 SEM, 10:00am-10:50am W, H 464; Pedersen, Paula Jean, 1 cr
- 2021 Developmental Psychology**
(A-F only; meets LECD req of LECD CAT6)
- 36228 001 LEC, 12:00pm-01:40pm MW, KPlz 312; Durgunoglu, Aydin Yucesan, 4 cr
36229 002 LEC, 10:00am-10:50am MTThF, MonH 80; Doane, H Mitzi, 4 cr
38031 003 LEC, 03:00pm-03:50pm MTWTh, LSci 175; 2 seats reserved for Continuing education; Maas, Fay E, 4 cr
38032 200 INI; (Online course - students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No exceptions.); 2 seats reserved for Continuing education, 4 cr
- 2023 Marriages and Families Worldwide**
(A-F only; meets LEIP req of LEIP CAT8)
- 36233 001 LEC, 12:00pm-12:50pm MTWTh, MonH 80; 1 seat reserved for Continuing education; Hovland, Jane, 4 cr
38033 002 LEC, 01:00pm-01:50pm MTWTh, Engr 280; Lohm, Karen Louise, 4 cr
39419 003 LEC, 02:00pm-02:50pm MTWTh, Chem 155, 4 cr
- 2223 Gender in Society**
(A-F only; meets LECD req of LECD CAT8)
- 37736 001 LEC, 01:00pm-01:50pm MTWTh, BohH 108; 2 seats reserved for Continuing education; Doane, H Mitzi, 4 cr
- 3020 Statistical Methods**
(A-F only; prereq Elem Algebra, Math placement test)
- 36837 001 LEC, 09:00am-09:50am MTWTh, BohH 108, 4 cr
36838 002 LEC, 12:00pm-12:50pm MTWTh, Engr 118; Lloyd, Robert Lee, 4 cr
37584 003 LEC, 01:00pm-01:50pm MTWTh, Chem 251; Grossman, Eugene Ernest, 4 cr
37644 004 LEC, 02:00pm-02:50pm MTWTh, KPlz 312; Miller, Kristelle, 4 cr
- 3021 Experimental Design and Methodology**
(A-F only; prereq 3020)
- 001 LEC, 10:00am-10:50am MWF, MonH 30; Lloyd, Robert Lee
36775 002 LAB, 03:00pm-03:50pm Th, Cina 22; Lloyd, Robert Lee, 4 cr
36776 003 LAB, 04:00pm-04:50pm Th, Cina 22; Lloyd, Robert Lee, 4 cr
004 LEC, 11:00am-12:15pm MW, Room TBA, DULUTH; Miller, Kristelle
36778 005 LAB, 08:00am-08:50am T, Cina 22; Miller, Kristelle, 4 cr
36779 006 LAB, 09:00am-09:50am Th, Cina 22; Miller, Kristelle, 4 cr
007 LEC, 03:30pm-04:45pm TTh, SpHC 207; Gordon, Randall A
37738 008 LAB, 01:00pm-01:50pm W, Cina 22; Gordon, Randall A, 4 cr
37739 009 LAB, 02:00pm-02:50pm W, Cina 22; Gordon, Randall A, 4 cr
- 3022 Applied Methods and Measurement**
(A-F only; prereq 3020, 3021)
- 001 LEC, 09:00am-09:50am MWF, Engr 177; Durgunoglu, Aydin Yucesan
36781 002 LAB, 09:00am-09:50am Th, Cina 22; Durgunoglu, Aydin Yucesan, 4 cr
36782 003 LAB, 10:00am-10:50am Th, Cina 22; Durgunoglu, Aydin Yucesan, 4 cr
004 LEC, 10:00am-10:50am MWF, BohH 108
37350 005 LAB, 10:00am-10:50am T, Cina 22, 4 cr
37351 006 LAB, 11:00am-11:50am T, Cina 22, 4 cr
- 3081 History and Systems of Psychology**
(A-F only; prereq 3 cr Psy)
- 36619 001 LEC, 09:30am-10:45am TTh, Chem 155; Lohm, Karen Louise, 3 cr
36620 002 LEC, 09:30am-10:45am TTh, Engr 177; Stuecher, Uwe Heinric, 3 cr
37472 200 INI; (Online course - students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No exceptions.); 2 seats reserved for Continuing education; Woolum, Sandra J, 3 cr
- 3098 The Psychological Principles of Stress Management**
(A-F only; prereq 30 semester cr hr)
- 37740 001 LEC, 01:00pm-01:50pm MWF, BohH 112; 1 seat reserved for Continuing education; Langenfeld, Mark Christopher, 3 cr
- 3111 Theories of Personality**
(A-F only; prereq 3 cr Psy)
- 36652 001 LEC, 12:00pm-12:50pm MWF, VKH 221; 1 seat reserved for Continuing education, 3 cr
38034 002 LEC, 04:00pm-05:15pm TTh, BohH 108; 1 seat reserved for Continuing education; Stuecher, Uwe Heinric, 3 cr
39435 090 LEC, 05:15pm-07:45pm W, BohH 104; 3 seats reserved for Continuing education; Stuecher, Uwe Heinric, 3 cr
37481 200 INI; (Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No exceptions.); 2 seats reserved for Continuing education; Woolum, Sandra J, 3 cr
- 3112 Psychology of Religion**
(A-F only; prereq Upper div standing, strong interest in scientific study of religious experience and behavior)
- 38035 200 INI; (Online course, INI format - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No exceptions.); 2 seats reserved for Continuing education; Mc Clure, Bud A, 3 cr
- 3121 Abnormal Psychology**
(A-F only; prereq 3 cr Psy)
- 36655 001 LEC, 09:00am-09:50am MTWTh, ABAH 235; Hovland, Jane, 4 cr
37572 002 LEC, 11:00am-12:40pm TTh, BohH 346; 1 seat reserved for Continuing education, 4 cr
38218 003 LEC, 12:00pm-01:40pm TTh, ABAH 225; 1 seat reserved for Continuing education; Langenfeld, Mark Christopher, 4 cr
37128 200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No exceptions.); 2 seats reserved for Continuing education, 4 cr
- 3201 Social Psychology**
(A-F only; prereq 3 cr Psy)
- 36713 001 LEC, 08:00am-09:15am TTh, Cina 316; 1 seat reserved for Continuing education; Gordon, Randall A, 3 cr
37129 200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No exceptions.); 2 seats reserved for Continuing education; Gordon, Randall A, 3 cr
- 3211 Group Dynamics**
(A-F only; prereq 3 cr Psy)
- 36712 001 LEC, 12:00pm-12:50pm MWF, SpHC 208; 1 seat reserved for Continuing education, 3 cr
37645 002 LEC, 01:00pm-01:50pm MWF, SpHC 208, 3 cr
38219 003 LEC, 08:00am-09:15am MW, HH 216, 3 cr
- 3215 Topics in Human Sexuality**
(A-F only; prereq Credit will not be granted if credit received for 3216; 3 cr Psy)
- 36748 001 LEC, 09:30am-10:45am TTh, BohH 112; Pedersen, Paula Jean, 3 cr
- 3216 Human Sexuality: A Personal Perspective**
(A-F only; prereq Credit will not be granted if credit received for 3215)
- 37130 200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No exceptions.); 2 seats reserved for Continuing education; Pedersen, Paula Jean, 3 cr

3231 Psychology of Drug Use (A-F only; prereq 3 cr Psy)	36498 002 LEC, 02:00pm-03:40pm TTh, BohH 108; Stuecher, Uwe Heinrich, 4 cr	3995 Research in Psychology (max crs 4; 4 repeats allowed; A-F only; prereq Psy major or minor, instructor consent)
37760 090 LEC, 05:15pm-07:45pm Th, BohH 346; 7 seats reserved for Continuing education; Lloyd, Robert Lee, 3 cr	38493 200 INI; (INI format; online education); 4 seats reserved for Continuing education; Mc Clure, Bud A, 4 cr	37354 001 IND; Mc Clure, Bud A, 1-4 cr
3371 Child and Adolescent Psychology (A-F only; prereq 1003)	3631 Cognitive Development: Ways of Knowing (A-F only)	38375 002 IND; Acheson, Joie B, 1-4 cr
36586 001 LEC, 08:00am-09:15am TTh, SBE 32; Maas, Fay E, 3 cr	38112 001 LEC, 12:15pm-01:30pm TTh, VKH 221; Maas, Fay E, 3 cr	38376 003 IND; Anderson, Laurie Renae, 1-4 cr
37131 200 INI; (Online course - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No exceptions.); 2 seats reserved for Continuing education; Mc Clure, Bud A, 3 cr	3661 Psychology of Language (A-F only; prereq 3 cr Psy)	38377 004 IND; Avery, George Henry, 1-4 cr
3381 Adult Development and Aging (A-F only; prereq 2021 or instructor consent)	37357 001 LEC, 11:00am-11:50am MWF, MonH 206; Durgunoglu, Aydin Yucesan, 3 cr	38378 005 IND; Butterfield, Brenda S, 1-4 cr
37132 200 INI; (Individualized Instruction); 2 seats reserved for Continuing education; Durgunoglu, Aydin Yucesan, 3 cr	3691 Sensation and Perception (A-F only)	38379 006 IND; Doane, H Mitzi, 1-4 cr
3445 Transpersonal Psychology (A-F only; prereq 1003 or instructor consent)	36896 001 LEC, 12:00pm-12:50pm MTWTh, BohH 108; 1 seat reserved for Continuing education; Grossman, Eugene Ernest, 4 cr	38380 007 IND; Durgunoglu, Aydin Yucesan, 1-4 cr
36588 001 DIS, 01:00pm-01:50pm MWF, MonH 108; Acheson, Joie B, 3 cr	3701 Personnel Psychology (A-F only; prereq 3 cr Psy)	38382 010 IND; Grossman, Eugene Ernest, 1-4 cr
37415 200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No exceptions.); 2 seats reserved for Continuing education; Mc Clure, Bud A, 3 cr	39438 001 LEC, 11:00am-11:50am MWF, BohH 108; 1 seat reserved for Continuing education; Luong, Alexandra, 3 cr	38384 012 IND; Langenfeld, Mark Christopher, 1-4 cr
3450 Dreamwork (A-F only; prereq 3 cr Psy)	37471 200 INI; (Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No Exceptions.); 3 seats reserved for Continuing education; Gordon, Randall A, 3 cr	38385 013 IND; Lloyd, Robert Lee, 1-4 cr
37416 200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No Exceptions.); 2 seats reserved for Continuing education; Mc Clure, Bud A, 3 cr	3707 Organizational Psychology (A-F only; prereq 3 cr Psy)	38386 014 IND; Lohn, Karen Louise, 1-4 cr
3524 Basic Helping Skills (A-F only)	37742 001 LEC, 02:00pm-02:50pm MWF, BohH 108; Luong, Alexandra, 3 cr	38387 015 IND; Luong, Alexandra, 1-4 cr
36793 001 LEC, 02:00pm-03:40pm MW, BohH 311; Lohn, Karen Louise, 4 cr	3760 Work and Self (A-F only)	38388 016 IND; Maas, Fay E, 1-4 cr
39444 002 LEC, 02:00pm-03:40pm TTh, BohH 311; Lohn, Karen Louise, 4 cr	40179 001 LEC, 12:00pm-01:15pm MWF, Cina 106; Luong, Alexandra, 4 cr	38389 017 IND; Marsh, Karen Linda, 1-4 cr
3527 Psychology and Social Responsibility (A-F only; prereq 3 cr Psy)	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)	38390 018 IND; Miller, Kristelle, 1-4 cr
38037 001 DIS, 01:00pm-02:40pm TTh, BohH 346; Mc Clure, Bud A, 4 cr	38214 001 SEM, 2 cr	38391 019 IND; Pedersen, Paula Jean, 1-4 cr
37426 200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No Exceptions.); 2 seats reserved for Continuing education; Mc Clure, Bud A, 4 cr	3991 Projects in Psychology (max crs 4; 4 repeats allowed; S-N only; prereq Psy major or minor, instructor consent)	3996 Preprofessional Field Placement (max crs 10; 3 repeats allowed; S-N only; prereq 3896, sr BAS psy major, instructor consent)
3535 Career Awareness and Development (A-F only; prereq 3 cr Psy)	36994 001 IND; Mc Clure, Bud A, 1-4 cr	36841 001 IEX, 08:00am-08:50am T, BohH 343; Pedersen, Paula Jean, 3-10 cr
39443 001 LEC, 12:00pm-12:50pm MWF, BohH 346; Langenfeld, Mark Christopher, 3 cr	38324 002 IND; Acheson, Joie B, 1-4 cr	3997 Honors Project in Psychology (max crs 3; 3 repeats allowed; A-F only; prereq Sr psy major, instructor consent, 3.00 GPA overall, 3.25 GPA in psy; meets HON req of Honors)
37134 200 INI; (Individualized Instruction); Olsen, Nancy Heller, 3 cr	38325 003 IND; Anderson, Laurie Renae, 1-4 cr	37355 001 LEC; Mc Clure, Bud A, 1-3 cr
37135 201 INI; (Individualized Instruction); Heikel, Karen Luise, 3 cr	38326 004 IND; Avery, George Henry, 1-4 cr	38393 002 LEC; Acheson, Joie B, 1-3 cr
37136 202 INI; (Individualized Instruction); Arola, Kathy, 3 cr	38327 005 IND; Butterfield, Brenda S, 1-4 cr	38394 003 LEC; Anderson, Laurie Renae, 1-3 cr
37137 203 INI; (Individualized Instruction); Pribyl, Janet Marie, 3 cr	38328 006 IND; Doane, H Mitzi, 1-4 cr	38395 004 LEC; Avery, George Henry, 1-3 cr
37138 204 INI; (Individualized Instruction); Westlund, Julie Anne, 3 cr	38329 007 IND; Durgunoglu, Aydin Yucesan, 1-4 cr	38396 006 LEC; Doane, H Mitzi, 1-3 cr
37823 205 INI; (Individualized Instruction); Bonde, Carol Lois, 3 cr	38331 009 IND; Gordon, Randall A, 1-4 cr	38397 007 LEC; Durgunoglu, Aydin Yucesan, 1-3 cr
37139 206 INI; (Individualized Instruction); O'Sullivan, Katherine S, 3 cr	38332 010 IND; Grossman, Eugene Ernest, 1-4 cr	38399 009 LEC; Gordon, Randall A, 1-3 cr
3601 Psychology of Personal Development (A-F only; prereq 3 cr Psy)	38333 012 IND; Langenfeld, Mark Christopher, 1-4 cr	38400 010 LEC; Grossman, Eugene Ernest, 1-3 cr
39432 001 LEC, 10:00am-10:50am MWF, BohH 104; Acheson, Joie B, 3 cr	38335 013 IND; Lloyd, Robert Lee, 1-4 cr	38402 012 LEC; Langenfeld, Mark Christopher, 1-3 cr
39433 002 LEC, 12:00pm-12:50pm MWF, SpHC 210; 1 seat reserved for Continuing education; Acheson, Joie B, 3 cr	38336 014 IND; Lohn, Karen Louise, 1-4 cr	38403 013 LEC; Lloyd, Robert Lee, 1-3 cr
3611 Learning and Behavior (A-F only; prereq 3 cr Psy)	38337 015 IND; Luong, Alexandra, 1-4 cr	38404 014 LEC; Lohn, Karen Louise, 1-3 cr
36497 001 LEC, 09:00am-09:50am MTWTh, Chem 251; Doane, H Mitzi, 4 cr	38338 016 IND; Maas, Fay E, 1-4 cr	38405 015 LEC; Luong, Alexandra, 1-3 cr
	38339 017 IND; Marsh, Karen Linda, 1-4 cr	38406 016 LEC; Maas, Fay E, 1-3 cr
	38340 018 IND; Miller, Kristelle, 1-4 cr	38407 017 LEC; Marsh, Karen Linda, 1-3 cr
	38341 019 IND; Pedersen, Paula Jean, 1-4 cr	38408 018 LEC; Miller, Kristelle, 1-3 cr
	38342 020 IND; Stuecher, Uwe Heinrich, 1-4 cr	38409 019 LEC; Pedersen, Paula Jean, 1-3 cr
	3994 Directed Research in Psychology (max crs 4; 4 repeats allowed; S-N only; prereq Psy major or minor, instructor consent)	38410 020 LEC; Stuecher, Uwe Heinrich, 1-3 cr
	37353 001 DRS; Mc Clure, Bud A, 1-4 cr	3998 Honors Research in Psychology (max crs 3; 3 repeats allowed; A-F only; prereq Sr psy major, instructor consent, 3.00 GPA overall, 3.25 GPA in psy; meets HON req of Honors)
	38355 002 DRS; Acheson, Joie B, 1-4 cr	36842 001 IND; Mc Clure, Bud A, 1-3 cr
	38356 003 DRS; Anderson, Laurie Renae, 1-4 cr	38412 002 IND; Acheson, Joie B, 1-3 cr
	38357 004 DRS; Avery, George Henry, 1-4 cr	38413 003 IND; Anderson, Laurie Renae, 1-3 cr
	38358 005 DRS; Butterfield, Brenda S, 1-4 cr	38414 004 IND; Avery, George Henry, 1-3 cr
	38359 006 DRS; Doane, H Mitzi, 1-4 cr	38415 005 IND; Butterfield, Brenda S, 1-3 cr
	38360 007 DRS; Durgunoglu, Aydin Yucesan, 1-4 cr	38416 006 IND; Doane, H Mitzi, 1-3 cr
	38362 009 DRS; Gordon, Randall A, 1-4 cr	38417 007 IND; Durgunoglu, Aydin Yucesan, 1-3 cr
	38363 010 DRS; Grossman, Eugene Ernest, 1-4 cr	38419 009 IND; Gordon, Randall A, 1-3 cr
	38365 012 DRS; Langenfeld, Mark Christopher, 1-4 cr	38420 010 IND; Grossman, Eugene Ernest, 1-3 cr
	38366 013 DRS; Lloyd, Robert Lee, 1-4 cr	38422 012 IND; Langenfeld, Mark Christopher, 1-3 cr
	38367 014 DRS; Lohn, Karen Louise, 1-4 cr	38423 013 IND; Lloyd, Robert Lee, 1-3 cr
	38368 015 DRS; Luong, Alexandra, 1-4 cr	38424 014 IND; Lohn, Karen Louise, 1-3 cr
	38369 016 DRS; Maas, Fay E, 1-4 cr	38425 015 IND; Luong, Alexandra, 1-3 cr
	38370 017 DRS; Marsh, Karen Linda, 1-4 cr	38426 016 IND; Maas, Fay E, 1-3 cr
	38371 018 DRS; Miller, Kristelle, 1-4 cr	38427 017 IND; Marsh, Karen Linda, 1-3 cr
	38372 019 DRS; Pedersen, Paula Jean, 1-4 cr	38428 018 IND; Miller, Kristelle, 1-3 cr
	38373 020 DRS; Stuecher, Uwe Heinrich, 1-4 cr	38429 019 IND; Pedersen, Paula Jean, 1-3 cr
		38430 020 IND; Stuecher, Uwe Heinrich, 1-3 cr
		3999 Directed Instruction (max crs 4; 4 repeats allowed; A-F only; prereq Instructor consent)
		37356 001 LEC; Mc Clure, Bud A, 1-4 cr
		38432 002 LEC; Acheson, Joie B, 1-4 cr
		38433 003 LEC; Anderson, Laurie Renae, 1-4 cr
		38434 004 LEC, 1-4 cr
		38435 005 LEC; Butterfield, Brenda S, 1-4 cr
		38436 006 LEC; Doane, H Mitzi, 1-4 cr
		38437 007 LEC; Durgunoglu, Aydin Yucesan, 1-4 cr
		38439 009 LEC; Gordon, Randall A, 1-4 cr
		38440 010 LEC; Grossman, Eugene Ernest, 1-4 cr
		38442 012 LEC; Langenfeld, Mark Christopher, 1-4 cr
		38443 013 LEC; Lloyd, Robert Lee, 1-4 cr
		38444 014 LEC; Lohn, Karen Louise, 1-4 cr
		38445 015 LEC; Luong, Alexandra, 1-4 cr
		38446 016 LEC; Maas, Fay E, 1-4 cr
		38447 017 LEC; Marsh, Karen Linda, 1-4 cr

38448 018 LEC; Miller, Kristelle, 1-4 cr
38449 019 LEC; Pedersen, Paula Jean, 1-4 cr
38450 020 LEC; Stuecher, Uwe Heinric, 1-4 cr

- 4500 Health Psychology**
(A-F only; prereq 1003, 12 sem cr in psy or #)
37743 001 LEC, 09:00am-09:50am MWF, MonH 208; Acheson, Joie B, 3 cr
- 5001 Transpersonal Development**
(prereq Couns psy or soc work grad major or instructor consent)
37427 200 INI; (Online Individualized Instruction - Students must be registered and begin the course at the start of the semester, which is September 2nd, and complete all requirements by December 12th. No Exceptions.); 2 seats reserved for Continuing education; Mc Clure, Bud A, 3 cr
- 5061 Research Problems I**
(max crs 2; S-N only; prereq Couns psy grad major or instructor consent)
38233 001 DRS, 1-2 cr
- 5131 Mind-Body Connection**
(A-F only)
39452 001 LEC, 05:15pm-07:45pm M, BohH 104; Kohls, Gary G., 3 cr
- 5455 Jungian Psychology**
(A-F only; prereq 1003 or 2021 Or 3081 or instructor consent)
38038 090 LEC, 05:15pm-07:45pm T, BohH 104; 7 seats reserved for Continuing education; Capell, Lisa R, 3 cr

RECREATION (Rec)

College of Education & Human Service Professions

- 1000 Introduction to Recreation**
(A-F only)
36735 001 LEC, 11:00am-11:50am MTWF, SpHC 210, 4 cr
- 1201 Outdoor Skills I**
(A-F only; meets LE req of PE)
36736 001 PHY, 02:00pm-04:50pm T, SpHC 9; Beery, Thomas Harold, 2 cr
- 1203 Outdoor Skills I**
(A-F only; prereq Pre-rec, rec major or minor)
36839 001 PHY, 02:00pm-04:50pm T, SpHC 9A; Gilbertson, Kenneth Lloyd, 2 cr
- 3330 Outdoor Recreation**
(A-F only; prereq 2300 or instructor consent)
37706 001 LEC, 09:30am-10:45am TTh, SpHC 212; Beery, Thomas Harold, 3 cr
- 4315 Recreation Management**
(A-F only; prereq 3300 or instructor consent; no Grad School credit)
36738 001 LEC, 09:00am-09:50am MWF, SpHC 207; Gilbertson, Kenneth Lloyd, 3 cr
- 4991 Independent Study**
(max crs 4; A-F only; prereq Instructor consent; no Grad School credit)
36743 001 IND; Gilbertson, Kenneth Lloyd, 1-4 cr
37469 002 IND; Beery, Thomas Harold, 1-4 cr
- 4992 Readings in Recreation**
(max crs 4; 4 repeats allowed; A-F only; prereq Instructor consent; no Grad School credit)
36744 001 DRD; Beery, Thomas Harold, 1-4 cr
- 4997 Recreation Practicum**
(S-N; prereq 1000, instructor consent; no Grad School credit)
36742 001 PRC; Beery, Thomas Harold, 3 cr

RUSSIAN (Russ)

College of Liberal Arts

- 1101 Beginning Russian I**
(A-F only; meets LE req of LE CAT3)
35888 090 LEC, 06:00pm-07:50pm MTh, H 464; 7 seats reserved for Continuing education; Morgan, Thomas W, 4 cr

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)
36685 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)
36697 001 LEC, 10:00am-11:50am MW, Engr 290; (+ lab arr); Fonooni-Fard, Hamid, 3 cr
- 6021 Physical Hazard Control**
(A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)
36700 001 LEC, 09:00am-10:20am TTh, VKH 221, 09:00am-10:20am TTh, VKH 201; (+ lab arr); De Rubeis, Bernard J, 3 cr
- 6101 Principles of Industrial Hygiene**
(A-F only; prereq MEHS student or department consent; can apply credit to MEHS program only)
36702 001 LEC, 07:30am-08:50am MW, VKH 221, 07:30am-08:50am MW, VKH 227; (+ lab arr); Krageschmidt, 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)
39599 001 LEC, 07:30am-08:50am TTh, VKH 221; (+ lab arr); Krageschmidt, 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)
36710 001 IND; De Rubeis, Bernard J, 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)
36704 001 LEC, 01:00pm-02:50pm TTh, Engr 290, 01:00pm-02:50pm TTh, VKH 207; (+ lab arr); Fonooni-Fard, 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)
38466 001 LEC, 10:30am-12:00pm TTh, VKH 115, 10:30am-12:00pm TTh, VKH 221; (+ lab arr); De Rubeis, Bernard J, 3 cr

SOCIAL WORK (SW)

College of Education & Human Service Professions

- 1619 Race, Class, and Gender in the United States**
(A-F only; meets LECD req of LECD CAT8)
37485 001 LEC, 02:00pm-03:15pm TTh, Cina 102, 3 cr
- 5032 Child Welfare and the Law**
(A-F only; prereq Jr or sr or Grad or instructor consent)
39563 001 LEC, 04:00pm-05:50pm W, BohH 112; Garrison, Johanna Mary, 2 cr
- 5061 Computers in the Human Services**
(max crs 2; prereq Jr or sr or grad student or instructor consent)
38024 001 LAB, 12:00pm-12:50pm T, MonH239; Garrison, Johanna Mary, 1-2 cr
- 5091 Independent Study**
(max crs 8; 8 repeats allowed; prereq Instructor consent)
36070 001 DST; Bye, Lynn Ellen Horgen, 1-4 cr
37257 002 DST; Carpenter PhD, Don, 1-4 cr
37262 003 DST; Day, Priscilla A, 1-4 cr
37258 004 DST; Falk, Dennis R, 1-4 cr
- 37259 005 DST; Garrison, Johanna Mary, 1-4 cr
37260 006 DST; Nuccio, Kathleen E, 1-4 cr
37261 007 DST; Raschick, R Michael, 1-4 cr
37764 008 DST; Shepard, Melanie F, 1-4 cr
38475 009 DST, 1-4 cr
38489 872 DST; (CE Special Credit Course - The Cost of Compassion); Heltzer, Kathleen Victoria, 1-4 cr
- 5096 Special Project**
(max crs 8; 8 repeats allowed; S-N only; prereq Instructor consent)
36071 001 FWK; Bye, Lynn Ellen Horgen, 1-4 cr
37486 002 FWK; Carpenter PhD, Don, 1-4 cr
37263 003 FWK; Day, Priscilla A, 1-4 cr
37264 004 FWK; Falk, Dennis R, 1-4 cr
37265 005 FWK; Nuccio, Kathleen E, 1-4 cr
37266 006 FWK; Raschick, R Michael, 1-4 cr
37267 007 FWK; Shepard, Melanie F, 1-4 cr
37851 008 FWK; Tellett, Anne Elizabeth, 1-4 cr
38474 009 FWK, 1-4 cr
- 5101 Human Behavior in the Social Environment**
(A-F only; prereq Jr or sr or grad student or instructor consent)
35972 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)
36052 001 LEC, 03:00pm-05:50pm T, BohH 343, 3 cr
39401 002 LEC; Nuccio, Kathleen E, 3 cr
- 5222 Intervention in Family Violence**
(max crs 2; A-F only; prereq Jr or sr or grad student or instructor consent)
39482 001 LEC, 06:00pm-07:50pm M, BohH 112; Shepard, Melanie F, 1-2 cr
- 5235 American Indians and Social Policy**
(A-F only; prereq 5201 or instructor consent)
36059 001 LEC, 06:00pm-07:50pm T, BohH 343, 2 cr
- 8006 Advanced Generalist Seminar**
(A-F only; prereq Admission to advanced standing MSW program or instructor consent)
36064 001 SEM, 01:00pm-02:50pm T, BohH 343; Heltzer, Kathleen Victoria, 2 cr
- 8102 Advanced Research**
(A-F only; prereq 8101 or admission to advanced standing MSW program or instructor consent)
36055 001 SEM, 03:00pm-04:50pm T, BohH 112; Falk, Dennis R, 2 cr
- 8103 Project Seminar I**
(S-N only; prereq Concurrent registration is required (or allowed) in 8102)
36058 001 SEM, 05:00pm-05:50pm T, BohH 112; Falk, Dennis R, 1 cr
- 8111 Generalist Practice: Micro**
(A-F only; prereq SW grad major or instructor consent)
36062 001 LEC, 03:00pm-05:50pm Th, BohH 343; Bye, Lynn Ellen Horgen, 3 cr
38465 872 LEC, 03:00pm-09:30pm F, BohH 112, OFFCMPUMD, 09/17/04-09/17/04, 09:00am-05:00pm S, BohH 112, OFFCMPUMD, 09/18/04-09/18/04, 03:00pm-09:30pm F, BohH 112, OFFCMPUMD, 10/02/04-10/22/04, 09:00am-05:00pm S, BohH 112, OFFCMPUMD, 10/23/04-10/23/04, 03:00pm-09:30pm F, BohH 112, OFFCMPUMD, 11/12/04-11/12/04, 09:00am-05:00pm S, BohH 112, OFFCMPUMD, 11/13/04-11/13/04; (3 weekends 9/17, 18, 10/22, 23, 11/12, 13), 3 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
37488 001 DRS, 1 cr
- 8441 Advanced Practice: Individuals, Families, and Small Groups**
(A-F only; prereq 8112 or advanced standing MSW student)
36050 001 LEC, 02:00pm-03:50pm Th, BohH 112; Carpenter PhD, Don, 2 cr

36051	002 LEC, 03:00pm-08:00pm F, BohH 108, 09/17/04-09/17/04, 09:00am-03:30pm S, BohH 108, 09/18/04-09/18/04, 03:00pm-08:00pm F, BohH 108, 10/22/04-10/22/04, 09:00am-03:30pm S, BohH 108, 10/23/04-10/23/04, 03:00pm-08:00pm F, BohH 108, 11/12/04-11/12/04, 09:00am-03:30pm S, BohH 108, 11/13/04-11/13/04; (Three weekends, 9/18 & 19, 10/22 & 23, 11/12 & 13); Carpenter PhD, Don, 2 cr	35895	002 LEC, 11:00am-11:50am MWF, Cina 224; Laundergan, J Clark, 3 cr	3821	Sociology of Community (A-F only; prereq 2111, Soph or higher or instructor consent)
8551	Advanced Practice: Administration (A-F only; prereq 8112 or advanced standing MSW student)	35896	003 LEC, 01:00pm-01:50pm MWF, Cina 214; Janssen, Susan L, 3 cr	36789	001 LEC, 02:00pm-03:15pm MWF, Cina 224; Laundergan, J Clark, 3 cr
36049	001 LEC, 04:00pm-05:50pm Th, BohH 112, 2 cr	38288	090 LEC, 06:00pm-08:40pm T, Cina 214; 7 seats reserved for Continuing education; Martin, Daniel D, 3 cr	3901	Social Change and Social Policy (A-F only; prereq 2111, Soph or higher or instructor consent)
8661	Advanced Practice: Rural and Urban Community Organizing (A-F only; prereq 8112, advanced standing MSW student)	2111	Sociological Theory (A-F only; prereq 1101, min. 15 cr.)	37901	001 LEC, 02:00pm-03:15pm TTh, Room TBA, DULUTH; 1 seat reserved for Continuing education; Mork, Bruce, 3 cr
36063	001 LEC, 12:00pm-01:50pm Th, BohH 112, 2 cr	35957	001 LEC, 10:00am-11:40am TTh, Cina 102; Hamlin, John E, 4 cr	3945	Social Stratification (A-F only; prereq 2111, Soph or higher or instructor consent)
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)	37898	090 LEC, 05:00pm-08:30pm M, Cina 224; 7 seats reserved for Continuing education; Hamlin, John E, 4 cr	39549	001 LEC, 11:00am-11:50am MWF, ABAH 235; 1 seat reserved for Continuing education; Mork, Bruce, 3 cr
36900	001 PRC, 01:00pm-02:30pm Th, BohH 343; Heltzer, Kathleen Victoria, 4-8 cr	2311	Criminological Theory (A-F only; prereq 1301, 15 cr.)	4323	Women and Justice (A-F only; prereq 1101 or 1301, 60 cr; credit will not be granted if credit received for 3326; no Grad School credit)
36901	002 PRC, 07:00pm-08:30pm Th, BohH 343; Day, Priscilla A, 4-8 cr	37601	001 LEC, 10:00am-10:50am MW, Cina 224, 10:00am-11:40am F, MonH 203; Plechner, Deborah Marie, 4 cr	39569	001 LEC, 12:00pm-12:50pm MWF, H 458; 1 seat reserved for Continuing education; Plechner, Deborah Marie, 3 cr
38234	003 PRC, 07:00pm-08:30pm Th, BohH 112, 4-8 cr	3151	Research Methods and Analysis (A-F only; prereq crim major or soc major or crim-soc major or URS major and 30 cr)	4340	Minorities, Crime and Justice in the United States (A-F only; prereq 1101 or 1301, 60 cr; credit will not be granted if credit received for 3326, no Grad School credit)
39403	872 PRC; Wilimek, Geri C., 4-8 cr	37310	001 LEC, 08:00am-09:15am TTh, SBE 20; 1 seat reserved for Continuing education; Weidner, Robert R, 3 cr	37902	001 LEC, 3 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)	37513	002 LEC, 10:00am-10:50am MWF, H 314; Martin, Daniel D, 3 cr	4382	Victimology (A-F only; prereq 1101 or 1301, 60 cr; no Grad School credit)
36902	001 PRC, 04:15pm-05:45pm M, BohH 112; Bye, Lynn Ellen Horgen, 4-8 cr	39397	003 LEC, 02:00pm-03:15pm TTh, Room TBA, DULUTH; Weidner, Robert R, 3 cr	39468	090 LEC, 06:00pm-08:40pm M, H 458; 6 seats reserved for Continuing education; Storm, Kimberly Ann, 3 cr
36903	002 PRC, 07:00pm-08:30pm Th, BohH 108, 4-8 cr	3152	Applied Research (A-F only; prereq 3151, 30 cr or instructor consent)	4587	Internship Preparation (A-F only; prereq Instructor consent; no Grad School credit)
		37308	001 LEC, 08:00am-09:15am MWF, KPlz 312; Martin, Daniel D, 3 cr	36790	001 IEX, 03:00pm-03:50pm W, Cina 102; Fleischman, William A., 1 cr
		37309	090 LEC, 3 cr	4597	Internship (max crs 14; S-N only; prereq Instructor consent; no Grad School credit)
		3153	Qualitative Research Methods (A-F only; prereq 3151, 30 cr or instructor consent)	35960	001 IEX, 04:00pm-05:15pm W, ABAH 225; Fleischman, William A., 1-14 cr
		41783	001 LEC, 12:00pm-01:15pm MW, Room TBA, DULUTH; Syring, David M, 3 cr	4950	International Migration and Economic Development (A-F only; prereq 90 cr or grad or instructor consent)
		3306	Deviance (A-F only; prereq 1301, sophomore standing or higher; credit will not be granted if credit received for 2306.)	40327	001 LEC, 09:30am-10:45am TTh, Cina 224; Arthur, John A, 3 cr
		39466	001 LEC, 02:00pm-03:15pm TTh, Cina 224; Wilson, Janelle L, 3 cr	4991	Independent Study in Sociology (max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent)
		39467	090 LEC, 06:00pm-08:40pm T, Cina 224; 7 seats reserved for Continuing education; Wilson, Janelle L, 3 cr	36791	001 IND, 1-3 cr
		3322	Law and Society (A-F only; prereq 30 cr or instructor consent)	37425	002 IND, 1-3 cr
		35959	001 LEC, 08:00am-09:15am TTh, Cina 202; 1 seat reserved for Continuing education; Arthur, John A, 3 cr	4997	Teaching Assistantship in Sociology/ Criminology (max crs 6; S-N only; prereq Instructor consent; no Grad School credit)
		3324	Sociology of Criminal Law (A-F only; prereq 3322, 30 cr or instructor consent)	37628	001 LEC; Gasele, Gary; Plechner, Deborah Marie; Mork, Bruce, 1-3 cr
		36077	090 LEC, 06:00pm-08:50pm M, ABAH 225; 8 seats reserved for Continuing education; Friedman, Fred T, 3 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)
		3328	Delinquency and Juvenile Justice (A-F only; prereq 3322, 30 cr or instructor consent)	36792	001 DRS, 1-3 cr
		35958	090 LEC, 06:00pm-08:50pm Th, Cina 224; 7 seats reserved for Continuing education; Wolf, Dale A, 3 cr		
		3336	Crime and the Media (A-F only; prereq Min 30 cr or instructor consent)		
		39586	001 LEC, 09:30am-10:45am TTh, HH 216; Weidner, Robert R, 3 cr		
		3344	Law Enforcement and Society (A-F only; prereq 30 cr or instructor consent)		
		39550	001 LEC, 3 cr		
		3361	Correctional Continuum (A-F only; prereq 1101, Soph or higher or instructor consent)		
		36078	001 LEC, 02:00pm-02:50pm MWF, ABAH 245; Gasele, Gary, 3 cr		
		3701	Social Psychology (A-F only; prereq 2001, Soph or higher or instructor consent)		
		40174	001 LEC, 09:30am-10:45am TTh, Room TBA, DULUTH; Wilson, Janelle L, 3 cr		

SOCIOLOGY (Soc) College of Liberal Arts

1096 Freshman Seminar: Topics

(A-F only; prereq Freshman, fewer than 30 cr; meets LECD req of LECD CAT8)

38177 001 SEM, 08:00am-09:40am TTh, H 403; 30 seats reserved for Learning Community F04; Hamlin, John E, 3-4 cr; Freshman Seminar T: Graveyard Culture

1101 Introduction to Sociology

(A-F only; meets LECD req of LECD CAT6)

35891 001 LEC, 12:00pm-12:50pm MTWF, MonH 70, 4 cr

35892 002 LEC, 10:00am-10:50am MTWF, Cina 202; Martin, Daniel D, 4 cr

35893 090 LEC, 06:00pm-09:30pm M, Cina 202; Gittings, Ronald F, 4 cr

37623 200 INI; (Online Individualized Instruction); 2 seats reserved for Continuing education; Mork, Bruce, 4 cr

1201 Sociology of the Family

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

37511 001 LEC, 09:30am-10:45am TTh, BohH 90; 30 seats reserved for Learning Community F04; Mork, Bruce, 3 cr

1301 Introduction to Criminology

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

35956 001 LEC, 09:00am-09:50am MF, MonH 80, 09:00am-10:40am W, MonH 80; 60 seats reserved for Learning Community F04; Gasele, Gary, 4 cr

37897 090 LEC, 06:00pm-09:30pm Th, Cina 202; 7 seats reserved for Continuing education; Arthur, John A, 4 cr

37782 200 INI; (Online Individualized Instruction); 2 seats reserved for Continuing education; Mork, Bruce, 4 cr

2001 Sociological Perspective

(A-F only; prereq 1101 or 1301, min. 15 cr.)

35894 001 LEC, 09:00am-09:50am MWF, Cina 202; Mork, Bruce, 3 cr

SPANISH (Span) College of Liberal Arts

1101 Beginning Spanish I

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

35811 001 LEC, 08:00am-08:50am MTThF, Cina 308; 1 seat reserved for Continuing education; Hellie, Irene Edith, 4 cr

35812 002 LEC, 11:00am-11:50am MTThF, H 490; Hellie, Irene Edith, 4 cr

39393 003 LEC, 03:00pm-03:50pm MTThF, H 464, 4 cr

1201 Intermediate Spanish I (A-F only; prereq 3-4 yrs high school Span or 1102 or instructor consent; meets LE req of LE CAT3)	4250 Foundations of Autism Spectrum Disorders (A-F only; prereq Cr will not be granted if cr received for 5250, no Grad School credit)	5250 Foundations of Autism Spectrum Disorders (A-F only; prereq Cr will not be granted if cr received for 4250)
35813 001 LEC, 09:00am-09:50am MTThF, H 490; Weidmer-Ocampo, Richard T, 4 cr	38245 745 LEC; (Saturdays, September 6 and December 6, 9:00am - 3:00pm, Montague 151. Saturdays, September 13, 27, October 11, 25, November 8, 22, 8:30am - 2:30pm, Library 410 or via ITV. Alternate weeks will be online web-based instruction and activities); Kidd, Susan Larson, 4 cr	38246 745 LEC; (Saturdays, September 6 and December 6, 9:00am - 3:00pm, Montague 151. Saturdays, September 13, 27, October 11, 25, November 8, 22, 8:30am - 2:30pm, Library 410 or via ITV. Alternate weeks will be online web-based instruction and activities); Kidd, Susan Larson, 4 cr
35814 002 LEC, 01:00pm-01:50pm MTThF, MonH 208; Weidmer-Ocampo, Richard T, 4 cr		
35815 003 LEC, 01:00pm-01:50pm MTThF, H 464; Hellie, Irene Edith, 4 cr		
38040 004 LEC, 02:00pm-02:50pm MTThF, Engr 177; Weidmer-Ocampo, Richard T, 4 cr		
2301 Advanced Spanish (A-F only; prereq 5 yrs high school Span or 1202 or instructor consent; meets LE req of LE CAT3; meets LEIP req of LEIP 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.)	5310 Adapting for Diverse Learners in General Education Settings (A-F only; prereq EIEd or EdSe major or instructor consent)
35816 001 LEC, 08:00am-08:50am MTThF, Engr 177; Seybolt, Richard A, 4 cr	38183 001 LEC, 05:00pm-07:40pm T, Engr 177; Meets with: 36696 SPED 5351; Hughes, Trudie Ann, 4 cr	37758 001 LEC, 10:00am-11:40am TTh, MonH 108; Nierengarten, Gerry, 4 cr
35817 002 LEC, 10:00am-10:50am MTThF, H 490; Seybolt, Richard A, 4 cr		
37690 003 LEC, 02:00pm-02:50pm MTThF, H 490; Tobin Stanley, Maureen, 4 cr		
4011 Hispanic American Prose (A-F only; prereq 2301 with C or better or instructor consent; no Grad School credit; offered every third yr)	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)	5351 Learning Disabilities Characteristics and Interventions (A-F only; prereq 4433 or 5433, postbac or instructor consent, cr will not be granted if cr received for 4351)
39455 001 LEC, 08:00am-09:50am MW, H 464; Zeitz, Eileen M, 4 cr	38184 001 LEC, 05:00pm-08:15pm T, MonH 121; Meets with: 37608 SPED 5381; Kidd, Susan Larson, 4 cr	36696 001 LEC, 05:00pm-07:40pm T, Engr 177; (Practicum 2 hrs per wk arr); Meets with: 38183 SPED 4351; Hughes, Trudie Ann, 4 cr
4090 Aspects of the Hispanic World (A-F only; prereq 2301 with C or better or instructor consent; no Grad School credit)	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)	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)
39456 001 LEC, 08:00am-09:50am TTh, H 464; Tobin Stanley, Maureen, 4 cr	38185 001 LEC, 05:00pm-07:40pm W, MonH 203; Meets with: 37609 SPED 5433; Nierengarten, Gerry, 4 cr	37608 001 LEC, 05:00pm-08:15pm T, MonH 121; Meets with: 38184 SPED 4381; Kidd, Susan Larson, 4 cr
4091 Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq 2301 with C or better or instructor consent; no Grad School credit)	38226 200 INI; (Individualized Instruction, Online course); 2 seats reserved for Continuing education; Nierengarten, Gerry, 4 cr	5433 Foundations in Special Education (prereq Postbac grad student, credit will not be granted if credit has been received for 4433)
35863 001 LEC, 1-4 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)	37609 001 LEC, 05:00pm-07:40pm W, MonH 203; Meets with: 38185 SPED 4433; Nierengarten, Gerry, 4 cr
	38186 001 LEC, 05:00pm-08:15pm Th, MonH 121; Meets with: 36963 SPED 5435; Hughes, Trudie Ann, 4 cr	38030 200 INI; 2 seats reserved for Continuing education; Nierengarten, Gerry, 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)	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)
	38187 001 LEC, 05:00pm-07:50pm M, MonH 121; Meets with: 38128 SPED 5555; Kidd, Susan Larson, 3 cr	36963 001 LEC, 05:00pm-08:15pm Th, MonH 121; Meets with: 38186 SPED 4435; Hughes, Trudie Ann, 4 cr
	4600 Student Teaching (max crs 12; S-N only; prereq Postbac or instructor consent, no Grad School credit)	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.)
	38188 001 PRC, 12 cr	38128 001 LEC, 05:00pm-07:50pm M, MonH 121; Meets with: 38187 SPED 4555; Kidd, Susan Larson, 3 cr
	38285 002 PRC, 12 cr	5600 Student Teaching (max crs 12; 12 repeats allowed; S-N only; prereq Instructor consent; no Grad School credit)
	5103 Infants and Toddlers With Special Needs (A-F only; prereq Credit will not be granted if credit has been received for 3103, each major or instructor consent)	36705 001 PRC, 12 cr
	37843 001 LEC, 05:00pm-07:40pm W, MonH 121; Meets with: 36729 SPED 3103; Marchel, Mary A, 4 cr	40169 002 PRC; Minkinen, Molly Harney, 1-12 cr
	5105 Young Children With Special Needs: Ages Three to Eight (A-F only; prereq ECh major or instructor consent)	5991 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq Department consent)
	38210 001 LEC, 05:00pm-08:40pm Th, MonH 108; Meets with: 37293 SPED 3105; Mitchell, Lorraine Marie, 4 cr	36964 001 IND, 1-6 cr
	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)	5993 Special Area Project (max crs 4; A-F only; prereq Instructor consent; no Grad School credit)
	36695 001 LEC, 05:00pm-07:40pm W, MonH 151; (Practicum 2 hrs per wk arr); Meets with: 38182 SPED 4204; Kidd, Susan Larson, 4 cr	36701 001 LEC, 1-4 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)		
38182 001 LEC, 05:00pm-07:40pm W, MonH 151; Meets with: 36695 SPED 5204; Kidd, Susan Larson, 4 cr		
4210 Special Education for Secondary Educators (A-F only; prereq No Grad School credit)		
41500 001 LEC, 04:00pm-05:15pm MW, MonH 108; Hughes, Trudie Ann, 3 cr		

SPECIAL EDUCATION (SpEd)**College of Education & Human Service Professions****1357 Individuals With Disabilities in Society**
(A-F only; meets LECD req of LECD CAT8)

37516 001 LEC, 3 cr

3103 Infants and Toddlers With Special Needs
(A-F only; prereq ECh major or instructor consent)

36729 001 LEC, 05:00pm-07:40pm W, MonH 121; (Practicum arr); Meets with: 37843 SPED 5103; Marchel, Mary A, 4 cr

3105 Young Children With Special Needs: Ages Three to Eight
(A-F only; prereq Instructor consent)

37293 001 LEC, 05:00pm-08:40pm Th, MonH 108; (Practicum arr); Meets with: 38210 SPED 5105; Mitchell, Lorraine Marie, 4 cr

3310 Introduction to Special Education for Elementary Education
(A-F only; prereq EIEd major)

38197 001 LEC, 03:00pm-04:40pm T, MonH 108; (Meets concurrently with EIEd 3113-1 on T); Nierengarten, Gerry, 1 cr

38198 002 LEC, 01:00pm-02:40pm T, MonH 108; (Meets concurrently with EIEd 3113-2 on T); Nierengarten, Gerry, 1 cr

39454 400 LEC; (class meets at Fond du Lac Community College), 1 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)

38182 001 LEC, 05:00pm-07:40pm W, MonH 151; Meets with: 36695 SPED 5204; Kidd, Susan Larson, 4 cr

4210 Special Education for Secondary Educators
(A-F only; prereq No Grad School credit)

41500 001 LEC, 04:00pm-05:15pm MW, MonH 108; Hughes, Trudie Ann, 3 cr

STATISTICS (Stat)
College of Science & Engineering**1411 Introduction to Statistics**

(A-F only; prereq Math 1005 or math placement or department consent; meets LE req of LE CAT2)

39532 001 LEC, 09:00am-09:50am MWF, Engr 118; Green, Richard F, 3 cr

2411 Statistical Methods

(A-F only; prereq Math 1250 or math placement; meets LE req of LE CAT2)

36456 001 LEC, 10:00am-10:50am MWF, LSci 170; Green, Richard F, 3 cr

3611	Introduction to Probability and Statistics (A-F only; prereq Math 1290 or Math 1296)	35912	012 LEC, 11:00am-11:50am W, H 490; 25 seats reserved for Music major or candidate; Kritzmire, Judith A, 1 cr	36250	011 DIS, 09:00am-09:50am W, SCC 25, 10/23/04-12/17/04; Flagler, Robert Locke, 1 cr
36458	001 LEC, 09:00am-09:50am MWThF, LSci 170; Qi, Yongcheng, 4 cr	35913	013 LEC, 01:00pm-01:50pm W, H 468, 1 cr	36251	012 DIS, 09:00am-09:50am W, BohH 343, 10/23/04-12/17/04; Flagler, Robert Locke, 1 cr
36459	002 LEC, 10:00am-10:50am MWThF, Room TBA, DULUTH; James, Barry R, 4 cr	35914	014 LEC, 02:00pm-02:50pm W, Cina 106; Flagler, Robert Locke, 1 cr		013 LEC, 11:00am-11:50am MF, SCC 25, 10/23/04-12/17/04; Gipe, Pamela Joyce
37538	003 LEC, 11:00am-11:50am MWThF, LSci 160; James, Kang Ling, 4 cr	35915	015 LEC, 03:00pm-03:50pm W, MonH 208; 25 seats reserved for LSBE Students; Furo, Candace Arlene, 1 cr	38057	014 DIS, 11:00am-11:50am W, SCC 6, 10/23/04-12/17/04; Gipe, Pamela Joyce, 1 cr
36460	004 LEC, 12:00pm-12:50pm MWThF, LSci 160; Green, Richard F, 4 cr	35916	016 LEC, 04:00pm-04:50pm W, SCC 25; 25 seats reserved for SFA majors/minors, 1 cr	38058	015 DIS, 11:00am-11:50am W, SCC 25, 10/23/04-12/17/04; Gipe, Pamela Joyce, 1 cr
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)	37734	017 LEC, 10:00am-10:50am TTh, Room TBA, DULUTH, 09/07/04-10/28/04; (Special term: 9/2-10/23); Bromen, Judith Lorraine, 1 cr	38059	016 DIS, 11:00am-11:50am W, Cina 106, 10/23/04-12/17/04; Gipe, Pamela Joyce, 1 cr
37464	001 LEC, 12:00pm-01:30pm T, HH 216; Green, Richard F, 1 cr	35917	018 LEC, 09:00am-09:50am Th, Room TBA, DULUTH; Zierke, Patricia Ann, 1 cr	1101	Personal Development (A-F only)
5411	Analysis of Variance (prereq 2411 or 3611)	35918	019 LEC, 11:00am-11:50am Th, BohH 108; (For students living in residence halls, meets in Griggs Lounge); Engebretson, Sarah L, 1 cr		001 LEC, 10:00am-10:50am T, SCC 25; Flagler, Robert Locke
	001 LEC, 12:00pm-12:50pm MW, Cina 202; Qi, Yongcheng	35919	020 LEC, 12:00pm-12:50pm Th, SCC 25; Ness, Mary K, 1 cr	35923	002 DIS, 10:00am-10:50am Th, SCC 6; Flagler, Robert Locke, 2 cr
36464	002 LAB, 12:00pm-12:50pm F, KPlz 143; (Meets in KPlz 143 on 9/10, 9/24, 10/8, 10/22, 11/5, 11/19, 12/10; meets in classroom on 9/17, 10/1, 10/15, 10/29, 11/12, 12/3, 12/17.), 3 cr	35920	021 LEC, 02:00pm-02:50pm F, SCC 25; Cameron, Mary Louise, 1 cr	35924	003 DIS, 10:00am-10:50am Th, Chem 251; Flagler, Robert Locke, 2 cr
5571	Probability (A-F only; prereq 3611, Math 3298)	35921	022 LEC, 03:00pm-03:50pm TTh, SCC 25, 09/07/04-10/28/04; (Special term: 9/2-10/23); Nichols, Angela Christine, 1 cr	35925	004 DIS, 10:00am-10:50am Th, SBE 9; Flagler, Robert Locke, 2 cr
36467	001 LEC, 01:00pm-01:50pm MWThF, HH 216; James, Barry R, 4 cr	37104	023 LEC, 11:00am-11:50am T, HH 216; Gibbs, Nate, 1 cr	35926	005 DIS, 10:00am-10:50am Th, SBE 5; Flagler, Robert Locke, 2 cr
8444	FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)	37151	024 LEC, 09:00am-10:15am F, Library 409, 09/10/04-11/12/04; Overland, Maribeth S, 1 cr	3002	SSP Teaching Assistantship Practicum (max crs 6; 6 repeats allowed; A-F only; prereq Instructor consent)
37205	001 DRS; Regal, Ronald Ray, 1 cr	37735	025 LEC, 10:00am-10:50am F, SCC 25; 25 seats reserved for SFA majors/minors; Olsen, Sonja M., 1 cr	35927	001 PRC; (SS); Flagler, Robert Locke, 1-2 cr
8611	Linear Models (A-F only; prereq 5572)	37285	026 LEC, 08:00am-08:50am T, SCC 25; Flagler, Robert Locke, 1 cr	35928	002 PRC; (SI); Flagler, Robert Locke, 1-2 cr
39536	001 LEC, 02:00pm-02:50pm MWF, HH 216; James, Kang Ling, 3 cr	37286	027 LEC, 12:00pm-12:50pm W, SCC 25; Anderson, Heidi Rochelle, 1 cr	36898	003 PRC; (SI); Strand, Jill R, 2 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)	38306	028 LEC, 01:00pm-01:50pm MWF, SCC 25, 08/16/04-09/01/04, 09:00am-10:50am TTh, SCC 25, 08/16/04-09/01/04; (Special term: Aug 14-29); (athletes); Griffin, Pam, 1 cr	37058	004 PRC; (ICL); Knudson, Paula Martha, 1 cr
37215	001 THE; Regal, Ronald Ray, 1-18 cr	39394	029 LEC, 11:00am-11:50am T, SCC 25; For students living in residence halls, meets in Griggs Lounge); Knudson, Paula Martha, 1 cr	3003	Tutor Training: Individualization of Instruction (max crs 2; A-F only; prereq Instructor consent)
8888	Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq max 18 cr per semester or summer; 24 cr required)	39395	030 LEC, 08:00am-08:50am W, SCC 25, 1 cr	36522	001 LEC, 02:00pm-03:50pm W, SCC 25; Strand, Jill R, 2 cr
37245	001 THE; Regal, Ronald Ray, 1-24 cr	39396	031 LEC, 11:00am-11:50am F, SpHC 208, 1 cr	36523	002 LEC, 10:00am-11:50am Th, SCC 25; Strand, Jill R, 2 cr
		40329	032 LEC, 09:00am-09:50am MW, H 468, 09/07/04-10/22/04, 1 cr	3004	Tutor Practicum (max crs 3; 3 repeats allowed; A-F only; prereq 3003 or instructor consent)
		40342	033 LEC, 02:00pm-02:50pm T, Cina 316, 1 cr	36513	001 PRC; (For Lang); Reierson, Shirley A, 1-2 cr
		40343	034 LEC, 11:00am-11:50am M, Cina 106, 1 cr	36514	002 PRC; Business/Economics/Accounting; Reierson, Shirley A, 1-2 cr
		40344	035 LEC, 01:00pm-01:50pm Th, H 468, 1 cr	36515	003 PRC; Chemistry; Reierson, Shirley A, 1-2 cr
		40345	036 LEC, 11:00am-11:50am W, VKH 221, 1 cr	36516	004 PRC; Mathematics; Reierson, Shirley A, 1-2 cr
		40346	037 LEC, 09:00am-09:50am T, LSci 170, 1 cr	36517	005 PRC; Physics; Reierson, Shirley A, 1-2 cr
		1052	College Writing Strategies (S-N only; prereq Credit will not be granted if credit received for Comp 1120)	36518	006 PRC; Writing; Reierson, Shirley A, 1-2 cr
		35805	001 LEC, 09:00am-09:50am TTh, SCC 25; Reierson, Shirley A, 2 cr	36519	007 PRC; Special Populations; Reierson, Shirley A, 1-2 cr
		35806	002 LEC, 11:00am-11:50am TTh, Cina 316; Reierson, Shirley A, 2 cr	36520	008 PRC; Computer Science; Reierson, Shirley A, 1-2 cr
		38193	003 LEC, 01:00pm-01:50pm TTh, SCC 25; Reierson, Shirley A, 2 cr	36899	009 PRC; Miscellaneous; Reierson, Shirley A, 1-2 cr
		39391	004 LEC, 03:00pm-03:50pm MW, BohH 112; Diener, Nancy McFarlin, 2 cr		
		1054	College Study Strategies (S-N only)	THEATRE (Th) School of Fine Arts	
			001 LEC, 09:00am-09:50am MF, SCC 25, 09/07/04-10/22/04; Flagler, Robert Locke	901	B.F.A. Qualifying Presentation (S-N only; prereq Department consent)
		36244	002 DIS, 09:00am-09:50am W, SCC 6, 09/07/04-10/22/04; Flagler, Robert Locke, 1 cr	36302	001 DIS; Dennis, Patricia, 0 cr
		36245	003 DIS, 09:00am-09:50am W, SCC 25, 09/07/04-10/22/04; Flagler, Robert Locke, 1 cr	1001	Introduction to Theatre Arts (A-F only; meets LE req of LE CAT9)
		36246	004 DIS, 09:00am-09:50am W, BohH 343, 09/07/04-10/22/04; Flagler, Robert Locke, 1 cr	36081	001 LEC, 08:00am-08:50am MWF, H 314; Berry, Jon Michael, 3 cr
		37377	005 LEC, 11:00am-11:50am MF, SCC 25, 09/07/04-10/22/04; Gipe, Pamela Joyce	37496	002 LEC, 11:00am-11:50am MWF, H 403; 2 seats reserved for Continuing education; Harvey, Mark A, 3 cr
		37378	006 DIS, 11:00am-11:50am W, SCC 6, 09/07/04-10/22/04; Gipe, Pamela Joyce, 1 cr	39405	090 LEC, 06:00pm-08:30pm T, MonH 70; 15 seats reserved for Continuing education; Oden, Holly Rebecca, 3 cr
		37379	007 DIS, 11:00am-11:50am W, SCC 25, 09/07/04-10/22/04; Gipe, Pamela Joyce, 1 cr	1051	Introduction to Film (A-F only; meets LE req of LE CAT9)
		36249	008 DIS, 11:00am-11:50am W, Cina 106, 09/07/04-10/22/04; Gipe, Pamela Joyce, 1 cr	36114	001 LAB, 02:00pm-04:00pm TTh, BohH 90; 30 seats reserved for Learning Community F04; 2 seats reserved for Continuing education; Isbell, Tom K, 3 cr
			009 LEC, 09:00am-09:50am MF, SCC 25, 10/23/04-12/17/04; Flagler, Robert Locke	1099	Production Practicum I (max crs 3; 3 repeats allowed; A-F only; meets LE req of LE CAT10)
			010 DIS, 09:00am-09:50am W, SCC 6, 10/23/04-12/17/04; Flagler, Robert Locke, 1 cr	39484	001 LAB; Harvey, Mark A; Dennis, Patricia; Hoffman, Karen S, 1 cr

1111 Acting Fundamentals I (A-F only; prereq Not open to BFA Th majors; meets LE req of LE CAT10)	1699 Running Crew Practicum (max crs 6; 3 repeats allowed; A-F only; prereq Instructor consent)	4901 Intern Teaching in Theatre (max crs 9; 3 repeats allowed; A-F only; prereq Instructor consent, no Grad School credit)
36087 001 STU, 10:00am-11:50am TTh, MPAC 1; Payne, William Eugene, 3 cr	39535 001 LAB; Harvey, Mark A; Dennis, Patricia; Hoffman, Karen S, 2 cr	36454 001 DIS; Isbell, Tom K; Bergeron, Ann Aiko; Berry, Jon Michael; Ufema, Kate; Dennis, Patricia, 3 cr
36088 002 STU, 08:00am-09:15am MWF, MPAC 1; 1 seat reserved for Continuing education; Ufema, Kate, 3 cr	1801 Elements of Theatre (A-F only; prereq th major)	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)
1114 Musical Theatre: Theory/Sight Singing (A-F only; prereq Instructor consent)	36118 001 LEC, 03:00pm-03:50pm MWF, Engr 177; Berry, Jon Michael, 3 cr	36455 001 IND; Dennis, Patricia, 1-3 cr
36093 001 LEC, 02:00pm-02:50pm MWF, MPAC 21; Ufema, Kate, 3 cr	2112 Acting II: American Realism (A-F only; prereq Instructor consent)	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)
1118 Voice and Movement for the Actor (A-F only; prereq Instructor consent)	36125 001 STU, 10:00am-11:15am MWF, MPAC 49; Isbell, Tom K, 3 cr	36457 001 IEX; Dennis, Patricia, 1-12 cr
36095 001 STU, 10:00am-11:15am MWF, MPAC 155; Bergeron, Ann Aiko, 3 cr	2118 Speech for the Actor (A-F only; prereq Instructor consent)	
36096 002 STU, 10:00am-11:15am MWF, MPAC 21; Ufema, Kate, 3 cr	36301 001 STU, 11:30am-12:45pm MWF, MPAC 49; Ufema, Kate, 3 cr	
1199 Performance Practicum I (max crs 12; 12 repeats allowed; A-F only; prereq Instructor consent; by audition only; meets LE req of LE CAT10)	3099 Production Practicum II (max crs 4; A-F only)	
39487 001 LAB; Bergeron, Ann Aiko; Payne, William Eugene, 1 cr	39507 001 LAB; Harvey, Mark A; Hoffman, Karen S; Dennis, Patricia, 2 cr	
1299 Theatre Marketing/Management Practicum (max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)	3112 Improvisation for the Theatre (A-F only; prereq Instructor's consent)	
39489 001 LAB; Morgan, Sherise Alison, 2 cr	37603 001 STU, 03:00pm-04:15pm MWF, MPAC 21; Isbell, Tom K, 3 cr	
1301 Stagecraft (A-F only; prereq 1801 or instructor consent)	3151 Stage Combat/Circus (A-F only; prereq 0901 or instructor consent)	
001 LEC, 09:00am-09:50am MWF, MPAC 51; (practicum arranged); Engler, Mark Leo	36304 001 STU, 10:00am-11:50am TTh, MPAC 155; Isbell, Tom K, 3 cr	
39407 002 LAB, 10:00am-11:50am MWF, MPAC 130; Engler, Mark Leo, 5 cr	3199 Performance Practicum II (max crs 12; 6 repeats allowed; A-F only; prereq Instructor consent; by audition only)	
39408 003 LAB, 01:00pm-02:50pm MWF, MPAC 130; Engler, Mark Leo, 5 cr	39508 001 LAB; Bergeron, Ann Aiko; Payne, William Eugene, 2 cr	
39409 004 LAB, 03:00pm-04:50pm MWF, MPAC 130; Engler, Mark Leo, 5 cr	3201 Stage Direction (A-F only; prereq 1112, 60 cr, Th major or minor or instructor consent)	
39410 005 LAB, 10:00am-12:50pm TTh, MPAC 130; Engler, Mark Leo, 5 cr	36305 001 STU, 01:00pm-02:15pm MWF, MPAC 49; Payne, William Eugene, 3 cr	
39411 006 LAB, 02:00pm-04:50pm TTh, MPAC 130; Engler, Mark Leo, 5 cr	36306 002 STU, 01:00pm-02:50pm TTh, MPAC 49; Payne, William Eugene, 3 cr	
1351 Stage Rendering Techniques (A-F only; prereq 1801 or instructor consent)	3371 Scene Painting (A-F only; prereq 1301)	
36465 001 STU, 10:00am-11:50am TTh, MPAC 51; Hoffman, Karen S, 3 cr	39509 001 LEC, 12:00pm-01:50pm TTh, MPAC 51; Hoffman, Karen S, 3 cr	
1399 Scenery and Properties Practicum (max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)	3699 Production Management (max crs 12; 6 repeats allowed; A-F only; prereq Instructor consent)	
39490 001 LAB; Hoffman, Karen S, 2 cr	39518 001 LAB; Harvey, Mark A; Dennis, Patricia; Hoffman, Karen S, 2 cr	
1401 Costume Construction I (A-F only; prereq 1801 or instructor consent)	3801 Drama Titles (A-F only; prereq 1801 or instructor consent)	
001 LEC, 09:00am-09:50am MWF, MPAC 30; (practicum arr); Piotrowski, Laura Kay	37254 001 LEC, 10:00am-10:50am Th, BohH 108; Berry, Jon Michael, 1 cr	
39412 002 LAB, 10:00am-11:50am MWF, MPAC 30; Piotrowski, Laura Kay, 5 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)	
39413 003 LAB, 01:00pm-02:50pm MWF, MPAC 30; Piotrowski, Laura Kay, 5 cr	36427 001 IND; Dennis, Patricia, 1-3 cr	
39414 004 LAB, 03:00pm-04:50pm MWF, MPAC 30; Piotrowski, Laura Kay, 5 cr	4151 Acting V: Senior Studio (A-F only; prereq Instructor consent; no Grad School credit)	
39415 005 LAB, 10:00am-12:50pm TTh, MPAC 30; Piotrowski, Laura Kay, 5 cr	36432 001 STU, 03:00pm-04:15pm MWF, MPAC 49; Bergeron, Ann Aiko, 3 cr	
39416 006 LAB, 02:00pm-04:50pm TTh, MPAC 30; Piotrowski, Laura Kay, 5 cr	4351 Portfolio Preparation and Presentation (A-F only; prereq Instructor consent; no Grad School credit)	
1451 Stage Makeup (A-F only; prereq 1801 or instructor consent)	37497 001 LEC, 10:00am-10:50am MWF, MPAC 51; Harvey, Mark A; Dennis, Patricia; Hoffman, Karen S, 3 cr	
36116 001 LEC, 02:00pm-03:50pm TTh, MPAC 21; Dennis, Patricia, 3 cr	4399 Theatre: Special Projects (max crs 12; 12 repeats allowed; A-F only; prereq Instructor consent)	
1499 Costume Practicum (max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)	36435 001 DIS; Harvey, Mark A; Dennis, Patricia; Hoffman, Karen S, 1-2 cr	
39537 001 LAB; Dennis, Patricia, 2 cr	4801 History of the Theatre I (max crs 4; A-F only; prereq 3801 or instructor consent)	
1501 Stage Lighting I (A-F only; prereq 1001, 1801 or instructor consent)	36439 001 LEC, 09:00am-09:50am MWF, VKH 221; Berry, Jon Michael, 3 cr	
36117 001 LEC, 01:00pm-01:50pm MWF, MPAC 51; (practicum arr); Harvey, Mark A, 4 cr		
1599 Lighting/Sound Practicum (max crs 3; 3 repeats allowed; A-F only; prereq Th major or minor)		
39491 001 LAB; Harvey, Mark A, 1 cr		

TOXICOLOGY (TxcI) Duluth School of Medicine

8013 Advanced Toxicology II (A-F only; prereq 8012, Chem 4342, Phsl 5601 or instructor consent)	39561 001 LEC, 3 cr
8100 Investigative Toxicology (max crs 2; A-F only; prereq 8013 or instructor consent)	39562 001 SEM, 1 cr
8333 FTE: Master's (NGA; prereq Masters student, adviser and DGS consent)	37196 001 DRS, 1 cr
8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)	37206 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)	37216 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))	37236 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)	37246 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)	37794 001 IEX; Knopp, Lawrence M, 1-6 cr
3991 Independent Study in Urban and Regional Studies (max crs 6; prereq Instructor's consent)	38039 001 IND; Knopp, Lawrence M, 1-4 cr

WATER RESOURCES SCIENCE (WRS) College of Science & Engineering

8333 FTE: Master's (NGA; prereq Masters student, adviser and DGS consent)	37197 001 DRS; Brown, Erik Thorson, 1 cr
8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)	37207 001 DRS; Brown, Erik Thorson, 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)
- 37217 001 THE; Brown, Erik Thorson; Johnson,
Thomas Charles, 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))
- 37237 001 THE; Hicks, Randall E, 1-18 cr
- 8888 Thesis Credits: Doctoral**
(max crs 100; 10 repeats allowed; NGA; prereq
Max 18 cr per semester or summer; 24 cr
required)
- 37247 001 THE; Brown, Erik Thorson, 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 CAT7)
- 35898 001 LEC, 3 cr
35899 002 LEC, 08:00am-09:15am TTh, ABAH 445;
1 seat reserved for Continuing education;
Kamau, Margaret Njoki, 3 cr
- 37783 003 LEC, 10:00am-10:50am MWF, H 403; 30
seats reserved for Learning Community F04,
3 cr
- 37582 090 LEC, 06:00pm-09:00pm Th, H 403; 15
seats reserved for Continuing education;
Woodward, Susana Pelayo, 3 cr
- 2101 Women, Race, and Class**
(A-F only; meets LECD req of LECD CAT8)
- 37382 001 LEC, 09:30am-10:45am TTh, Engr 118;
Kamau, Margaret Njoki, 3 cr
- 3000 Global Perspectives on Feminism**
(A-F only; prereq 1000 or instructor consent)
- 37888 001 LEC, 02:00pm-03:15pm TTh, H 480;
Ritmeester, Tineke, 3 cr
- 3001 Third World Women**
(A-F only; prereq 1000 or instructor consent)
- 39568 001 LEC, 02:00pm-03:15pm TTh, ABAH 225;
Kamau, Margaret Njoki, 3 cr
- 3100 Feminist Theory**
(A-F only; prereq 1000, 45 cr or instructor
consent)
- 37887 001 LEC, 10:00am-11:50am MW, Engr 177;
Bartlett, Elizabeth Ann, 4 cr
- 3300 Women, Religion, and Spirituality**
(A-F only; prereq 1000 or instructor consent)
- 40328 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 instructor consent)
- 39459 090 LEC, 06:00pm-09:00pm W, H 490; 8
seats reserved for Continuing education, 3 cr
- 3400 Women and Film**
(A-F only; prereq 1000 or instructor consent)
- 37889 001 LEC, 03:00pm-05:40pm W, H 458;
Ritmeester, Tineke, 3 cr
- 3891 Independent Study**
(max crs 3; A-F only; prereq 1000, 3100, 15 cr
WS or WS-related courses, instructor consent)
- 36833 001 IND, 1-3 cr
- 3897 Internship**
(max crs 9; S-N only; prereq 1000, 2101, 3100,
15 cr WS or WS-related courses, WS major or
minor, 53 cr, instructor consent)
- 36832 001 IEX, 01:00pm-01:50pm M, H 480;
Bartlett, Elizabeth Ann, 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)
- 41507 001 IEX, 1-2 cr
- 5991 Independent Study**
(max crs 3; A-F only; prereq 80 cr or grad
student, 1000 or instructor consent)
- 36831 001 LEC, 1-3 cr