

courses

HOW TO USE THIS SCHEDULE

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

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

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

- 0xx Courses that do not carry credit toward any University degree.
- 1xx Courses primarily for undergraduate students in their first year of study.
- 2xx Courses primarily for undergraduate students in their second year of study.
- 3xx Courses primarily for undergraduate students in their third year of study.
- 4xx 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.
- 5xx Courses primarily for graduate students; undergraduate students in their third or fourth year may enroll in such courses.
- 6xx Courses for post-baccalaureate students in professional degree programs.
- 7xx 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.
- 8xx Courses for graduate students.

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

Departments and colleges may use the registration system to help place certain categories of qualified students into courses or sections on a priority basis (seniors, majors,

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

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

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

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

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

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

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

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

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

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

Example 1

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

Example 2

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

Example 3

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

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

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

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

- 2001 Principles of Financial Accounting**
(A-F; prereq Min 15 cr or college consent)
- 83046 001 LEC, 08:00am-08:50am MWF, LSBE 135; (LSBE students); Meets with: 84450 ACCT 2001; Brannan, Rodger L, 3 cr
- 84450 002 LEC, 08:00am-08:50am MWF, LSBE 135; (Non-LSBE students); Meets with: 83046 ACCT 2001; Brannan, Rodger L, 3 cr
- 83048 003 LEC, 09:30am-10:45am TTh, LSBE 135; (LSBE students); Meets with: 84452 ACCT 2001, 3 cr
- 84452 004 LEC, 09:30am-10:45am TTh, LSBE 135; (Non-LSBE students); Meets with: 83048 ACCT 2001, 3 cr
- 83050 005 LEC, 11:00am-12:15pm TTh, LSBE 135; (LSBE students); Meets with: 84454 ACCT 2001; Erickson, Loren L, 3 cr
- 84454 006 LEC, 11:00am-12:15pm TTh, LSBE 135; (Non-LSBE students); Meets with: 83050 ACCT 2001; Erickson, Loren L, 3 cr
- 85226 007 LEC, 02:00pm-03:15pm TTh, LSBE 135; (LSBE students); Meets with: 85228 ACCT 2001, 3 cr
- 85228 008 LEC, 02:00pm-03:15pm TTh, LSBE 135; (Non-LSBE students); Meets with: 85226 ACCT 2001, 3 cr
- 85776 009 LEC, 06:00pm-08:40pm W, LSBE 135; (LSBE students); Meets with: 85778 ACCT 2001, 3 cr
- 85778 010 LEC, 06:00pm-08:40pm W, LSBE 135; (Non-LSBE students. Open CE reserved seats will be available to UMD students on January 15, 2008.); Meets with: 85776 ACCT 2001, 3 cr
- 2002 Principles of Managerial Accounting**
(A-F; prereq 2001, LSBE student or college consent)
- 83060 001 LEC, 08:00am-09:15am TTh, LSBE 135; Erickson, Loren L, 3 cr
- 83062 002 LEC, 12:30pm-01:45pm TTh, LSBE 135; Erickson, Loren L, 3 cr
- 83064 003 LEC, 09:00am-09:50am MWF, LSBE 125; Salmela, Karen Ellen, 3 cr
- 83066 004 LEC, 11:00am-11:50am MWF, LSBE 125; Salmela, Karen Ellen, 3 cr
- 83068 005 LEC, 01:00pm-01:50pm MWF, LSBE 125; Salmela, Karen Ellen, 3 cr
- 85230 006 LEC, 06:00pm-08:40pm M, LSBE 135, 3 cr
- 2005 Survey of Accounting**
(A-F; prereq Not open to LSBE students or non-LSBE acct minors; meets LE req of LE CAT8)
- 86926 001 LEC, 03:30pm-04:45pm TTh, LSBE 135; Erickson, Loren L, 3 cr
- 3096 Volunteer Income Tax Assistance**
(max crs 3; S-N; prereq dept consent , 2 cr first registration, 1 cr repeat)
- 83980 001 PRC, 05:00pm-07:30pm TTh, LSBE 125, 01/20/09-03/13/09; Skalberg, Randy, 1-2 cr
- 3101 Intermediate Accounting I**
(A-F; prereq LSBE cand or acct minor or college consent)
- 85016 001 LEC, 08:00am-09:15am TTh, LSBE 229; (LSBE candidates); Meets with: 85030 ACCT 3101, 3 cr
- 85030 002 LEC, 08:00am-09:15am TTh, LSBE 229; (Non-LSBE Acct minors); Meets with: 85016 ACCT 3101, 3 cr
- 3102 Intermediate Accounting II**
(A-F; prereq 3101, LSBE cand or non-LSBE acct minor or college consent)
- 82836 001 LEC, 11:00am-11:50am MWF, LSBE 229; (LSBE candidates); Meets with: 84456 ACCT 3102; Kang, Grace, 3 cr
- 84456 002 LEC, 11:00am-11:50am MWF, LSBE 229; (Non-LSBE Acct minors); Meets with: 82836 ACCT 3102; Kang, Grace, 3 cr
- 91197 003 LEC, 02:00pm-02:50pm MWF, LSBE 229; Meets with: 91198 ACCT 3102; Kang, Grace, 3 cr
- 91198 004 LEC, 02:00pm-02:50pm MWF, LSBE 229; Meets with: 91197 ACCT 3102; Kang, Grace, 3 cr

- 3110 Accounting Information Systems**
(A-F; prereq LSBE cand or non-LSBE acct minor or college consent)
- 84700 001 LEC, 03:30pm-04:45pm TTh, LSBE 237; (LSBE candidates); Meets with: 84702 ACCT 3110, 3 cr
- 84702 002 LEC, 03:30pm-04:45pm TTh, LSBE 237; (Non-LSBE Acct minors); Meets with: 84700 ACCT 3110, 3 cr
- 3191 Independent Study**
(max crs 3; 3 repeats allowed; A-F; prereq BAc cand with 80 cr, dept consent ; cr not available as acct elective)
- 83432 001 IND; Roline, Alan C, 1-3 cr
- 3196 Internship in Accounting**
(max crs 6; 3 repeats allowed; S-N; prereq 3101, dept consent ; repeatable for a max of 6 credits; 3 repeats allowed; max 3 cr may be applied to acct electives)
- 83636 001 IEX; Roline, Alan C, 2-6 cr
- 3201 Cost Accounting**
(A-F; prereq LSBE cand or non-LSBE acct minor or college consent)
- 83218 001 LEC, 10:00am-10:50am MWF, LSBE 229; (LSBE candidates); Meets with: 84458 ACCT 3201; Brannan, Rodger L, 3 cr
- 84458 002 LEC, 10:00am-10:50am MWF, LSBE 229; (Non-LSBE Acct minors); Meets with: 83218 ACCT 3201; Brannan, Rodger L, 3 cr
- 91177 003 LEC, 01:00pm-01:50pm MWF, LSBE 233; Meets with: 91178 ACCT 3201; Brannan, Rodger L, 3 cr
- 91178 004 LEC, 01:00pm-01:50pm MWF, LSBE 233; Meets with: 91177 ACCT 3201; Brannan, Rodger L, 3 cr
- 3401 Individual Income Taxation**
(A-F; prereq Credit will not be granted if credit has been received for: [4152 or 3152], LSBE cand or approved non-LSBE acct minor or college consent)
- 86928 001 LEC, 02:00pm-03:15pm TTh, LSBE 229; Meets with: 86962 ACCT 3401; Skalberg, Randy, 3 cr
- 86962 002 LEC, 02:00pm-03:15pm TTh, LSBE 229; Meets with: 86928 ACCT 3401; Skalberg, Randy, 3 cr
- 4160 Auditing**
(A-F; prereq 3102, 3110, LSBE cand or college consent ; no Grad School cr)
- 85002 001 LEC, 06:00pm-08:40pm M, LSBE 125, 3 cr
- 4501 Advanced Accounting**
(A-F; prereq 3102, LSBE cand or college consent)
- 91228 001 LEC, 04:00pm-05:15pm MW, LSBE 233; Kang, Grace, 3 cr
- 4795 Special Topics (Various Titles to be Assigned)**
(max crs 9; 9 repeats allowed; A-F; prereq 3101, LSBE cand or college consent)
- 88004 001 LEC, 1-3 cr

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

- 100 AFROTC GMC Leadership Laboratory**
(S-N only)
- 84864 001 LAB, 06:15am-07:45am W, DAdB 16A; Meets with: 84866 AIR 3000, 87598 AIR 1000, 87600 AIR 3001; Jaros, Jason D; Chromy, Allan John, 0 cr
- 1000 AFROTC GMC Lead Lab**
(max crs 4; 4 repeats allowed; S-N only)
- 87598 001 LAB, 06:15am-07:45am W, DAdB 16A; Meets with: 84866 AIR 3000, 87600 AIR 3001, 84864 AIR 100; Jaros, Jason D; Chromy, Allan John, 1 cr
- 1102 Foundations of the U.S. Air Force**
(A-F only)
- 82656 001 LEC, 07:00am-07:50am T, DAdB 16A; Jaros, Jason D; Chromy, Allan John, 1 cr

- 1591 Leadership Practicum**
(max crs 4; 4 repeats allowed; A-F only)
- 82716 001 PRC; Jaros, Jason D; Chromy, Allan John, 1-4 cr
- 2102 The Evolution of the U.S. Air Force Air and Space Power**
(A-F only)
- 82694 001 LEC, 07:00am-07:50am Th, DAdB 16A; Jaros, Jason D; Chromy, Allan John, 1 cr
- 3000 AFROTC POC Leadership Laboratory**
(max crs 4; 4 repeats allowed; S-N only)
- 84866 001 LAB, 06:15am-07:45am W, DAdB 16A; Meets with: 84864 AIR 100, 87600 AIR 3001, 87598 AIR 1000; Jaros, Jason D; Chromy, Allan John, 1 cr
- 3001 AFROTC POC Lead Lab**
(max crs 8; 4 repeats allowed; S-N only)
- 87600 001 LAB, 06:15am-07:45am W, DAdB 16A; Meets with: 84866 AIR 3000, 87598 AIR 1000, 84864 AIR 100; Jaros, Jason D; Chromy, Allan John, 2 cr
- 3102 Air Force Leadership Studies**
(A-F only)
- 82738 001 LEC, 04:00pm-06:50pm W, DAdB 16A; Jaros, Jason D; Chromy, Allan John, 3 cr
- 3591 Leadership Practicum**
(max crs 4; 4 repeats allowed; A-F only)
- 82736 001 PRC; Jaros, Jason D; Chromy, Allan John, 1-4 cr
- 4102 National Security Affairs, Preparation for Active Duty**
(A-F only; prereq No Grad School cr)
- 82740 001 LEC, 05:00pm-07:50pm M, DAdB 16A; Jaros, Jason D; Chromy, Allan John, 3 cr

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

- 1104 Beginning Ojibwe II**
(A-F; prereq 1103 or instr consent; meets LECD req of LECD CAT03)
- 83344 001 LEC, 06:00pm-08:30pm W, Cina 106; Class meets in Cina 118.; Aubid, David Niib, 3 cr
- 1120 American Indians in the 20th Century**
(A-F; meets LECD req of LECD CAT07)
- 83490 001 LEC, 12:00pm-12:50pm MWF, ABAH 245; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Doerfler, Jill May, 3 cr
- 2105 Survey of American Indian Arts**
(A-F; meets LE req of LE CAT9)
- 85972 001 LEC, 06:00pm-08:30pm Th, ABAH 245; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Grover, Linda LeGarde, 3 cr
- 2115 Ojibwe History and Culture**
(A-F)
- 84898 001 LEC, 02:00pm-03:15pm TTh, MonH 206; Aubid, David Niib, 3 cr
- 2707 Boarding Schools and Beyond: A History of American Indian Education 1880-present**
(meets LECD req of LECD CAT08)
- 91249 001 LEC, 10:00am-10:50am MWF, Cina 202; Doerfler, Jill May, 3 cr
- 3106 Indian-White Relations**
(A-F; prereq 1120 or instr consent; meets LECD req of LECD CAT08)
- 85438 001 LEC, 09:30am-10:45am TTh, LSBE 225; Grover, Linda LeGarde, 3 cr
- 3260 American Indian Novel**
(A-F; prereq 1120 or instr consent)
- 91247 001 LEC, 03:30pm-04:45pm TTh, Cina 202; Grover, Linda LeGarde, 3 cr
- 3300 Projects in American Indian Studies**
(max crs 10; 10 repeats allowed; A-F; prereq 1120, instr consent)
- 83494 001 IND; Red Horse, John G, 1-5 cr

3301	Advanced Ojibwe (A-F; prereq 2204 or instr consent)	3635	Peoples and Cultures of Europe (A-F only; prereq 1604, min 30 cr, or instr consent)	1001	Art Today (A-F only; meets LEIP req of LEIP CAT09)
91248	001 LEC, 03:30pm-04:45pm TTh, KPlz 385; Aubid, David Niib, 3 cr	87970	001 LEC, 04:00pm-05:15pm TTh, Cina 214; Roufs, Tim, 3 cr	85874	001 LEC, 09:00am-09:50am MWF, BohH 90; (Open CE reserved seats will be available to UMD students on 01/13/09.); 3 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Wittig, Rob, 3 cr
3333	Introduction to Federal Indian Law (A-F; prereq 1120 or instr consent)	3638	Peoples and Cultures of the Middle East (A-F only; prereq 1604, min 30 cr or instr consent)	1002	Introduction to Art (Credit will not be granted if credit has been received for: ART 1005; A-F only; prereq Pre-elementary/middle sch educ or [BA theatre or music], or BFA theatre or BMUS music education; meets LE req of LE CAT10)
88654	001 LEC, 06:00pm-08:30pm W, ABAH 235; Stark, Heidi Kiiwetinepinesiiik, 3 cr	87978	001 LEC, 12:30pm-01:45pm TTh, Cina 214; Jones, Jennifer Elaine, 3 cr	83102	001 LEC, 02:00pm-03:40pm MW, ABAH 135; Reed, Kimberly A, 3 cr
3905	Special Topics: (Various Title to be Assigned) (max crs 12; 4 repeats allowed; A-F; prereq Intro soc sci course or 1120 or instr consent)	3691	Independent Study in Anthropology (max crs 10; A-F only; prereq Min 60 credits or instr consent)	83104	002 LEC, 04:00pm-05:40pm MW, ABAH 135; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Kolosnjaj, Sasha, 3 cr
91250	001 LEC, 03:30pm-04:45pm MW, BohH 112; Stark, Heidi Kiiwetinepinesiiik, 3 cr; T: Amln Diplomacy: Treaties, Compacts, Agreements	91118	001 DRS; Jones, Jennifer Elaine, 1-5 cr	83106	003 LEC, 04:00pm-05:40pm TTh, ABAH 135; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Reed, Kimberly A, 3 cr
3997	Internship in American Indian Studies (max crs 12; 3 repeats allowed; A-F; prereq Amln major, instr consent; may not be taken final semester of sr yr; may be taken in one or two semesters)	3888	Anthropology of Food (A-F; prereq 1604 or instr consent)	1006	Freshman Seminar: Fundamentals of Drawing (Credit will not be granted if credit has been received for: ART 1009; A-F only; prereq Freshman, fewer than 30 cr; meets LE req of LE CAT10)
83496	001 IEX; Red Horse, John G, 4-8 cr	91145	001 LEC, 02:00pm-03:15pm TTh, Cina 214; Roufs, Tim, 3 cr	85102	001 SEM, 10:00am-11:50am TTh, ABAH 325; Dietrich, Jennifer Lee, 3 cr
4302	Independent Study of the Ojibwe Language (max crs 12; 12 repeats allowed; A-F; prereq 1103, instr consent; no Grad School cr)	4616	Culture and Personality (A-F only; prereq 1604, min 60 cr)	1009	Fundamentals of Drawing (Credit will not be granted if credit has been received for: ART 1006; A-F only; prereq Not for art majors or minors; meets LE req of LE CAT10)
85114	001 IND; Aubid, David Niib, 1-6 cr	91314	001 LEC, 02:00pm-03:15pm MW, Cina 214; Roufs, Tim, 3 cr	85982	090 LEC, 06:00pm-09:40pm T, ABAH 325; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 84902 ART 1010; Repinski, Robert A, 3 cr
4990	Directed Research (max crs 12; 12 repeats allowed; A-F; prereq max 8 cr to Grad School program, instr consent)	4621	Myth and Sacred Symbols (A-F only; prereq 1604, min 60 cr)	1010	Drawing I (A-F only; prereq Art or art ed major or art minor or architecture and design minor or instr consent)
83498	001 DRS; Red Horse, John G, 1-6 cr	84008	090 LEC, 06:00pm-08:40pm T, Cina 214; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 3 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Smith, David Merrill, 3 cr	85352	001 LEC, 02:00pm-03:50pm MW, ABAH 325; pearcy, wanda j., 3 cr

AMERICAN SIGN LANGUAGE (ASL)

College of Education & Human Service Professions

2002	Beginning American Sign Language II (A-F only; prereq Credit will not be granted if credit has been received for: [CSD 2002], 2001 or instr consent; meets LECD req of LECD CAT03)
83624	001 LEC, 09:00am-09:50am MWF, BohH 108; Butche, Monica K Marciniak, 3 cr
87042	002 LEC, 10:00am-10:50am MWF, BohH 108; Diener, Nancy McFarlin, 3 cr
91110	003 LEC, 05:00pm-07:30pm T, MonH 30; Butche, Monica K Marciniak, 3 cr
85122	004 LEC, 05:00pm-07:30pm Th, MonH 108; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Diener, Nancy McFarlin, 3 cr
3004	Intermediate American Sign Language II (A-F only; prereq Credit will not be granted if credit has been received for: [CSD 5004], 3003 or instr consent)
88484	001 LEC, 05:00pm-07:30pm W, MonH 30; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Diener, Nancy McFarlin, 3 cr
4110	Deaf Culture (A-F; prereq 3004 or instr consent, no Grad School cr)
91394	001 LEC, 01:00pm-01:50pm MWF, KPlz 385; Diener, Nancy McFarlin, 3 cr

ANTHROPOLOGY (Anth)

College of Liberal Arts

1602	Prehistoric Cultures (Credit will not be granted if credit has been received for: ANTH 1601; A-F only; meets LEIP req of LEIP CAT07)
82616	001 LEC, 09:00am-10:50am TTh, MonH 80; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Jones, Jennifer Elaine, 4 cr
3624	Archaeology of North America (A-F only; prereq 1604, min 30 cr)
91117	001 LEC, 08:00am-09:15am TTh, Cina 214; Mulholland, Susan Collins, 3 cr
3632	Latin American Cultures (A-F only; prereq 1604, min 30 cr)
87968	001 LEC, 12:30pm-01:45pm MW, Cina 214; Syring PhD, David, 3 cr

ART (Art)

School of Fine Arts

901	Graphic Design Portfolio Review (S-N only; prereq (repeatable one time), 9 cr in art courses, pre-graphic design major or department consent)
84900	001 DIS; Wittig, Rob, 0 cr
92333	300 DIS; ROCHESTER; Edel, Miranda Elizabeth, 0 cr
902	Studio Art Portfolio Review (S-N; prereq 15 cr in art courses, pre-studio art major or dept consent)
88826	001 STU; Repinski, Robert A, 0 cr
92334	300 STU; ROCHESTER; Hunt, Betsy Janelle, 0 cr
903	Art Education Portfolio Review (S-N only; prereq (repeatable one time), 9 cr in art courses, pre-art ed major or dept consent)
85542	001 DIS; Colman, Marian, 0 cr

85874	001 LEC, 09:00am-09:50am MWF, BohH 90; (Open CE reserved seats will be available to UMD students on 01/13/09.); 3 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Wittig, Rob, 3 cr
83102	001 LEC, 02:00pm-03:40pm MW, ABAH 135; Reed, Kimberly A, 3 cr
83104	002 LEC, 04:00pm-05:40pm MW, ABAH 135; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Kolosnjaj, Sasha, 3 cr
83106	003 LEC, 04:00pm-05:40pm TTh, ABAH 135; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Reed, Kimberly A, 3 cr
1006	Freshman Seminar: Fundamentals of Drawing (Credit will not be granted if credit has been received for: ART 1009; A-F only; prereq Freshman, fewer than 30 cr; meets LE req of LE CAT10)
85102	001 SEM, 10:00am-11:50am TTh, ABAH 325; Dietrich, Jennifer Lee, 3 cr
1009	Fundamentals of Drawing (Credit will not be granted if credit has been received for: ART 1006; A-F only; prereq Not for art majors or minors; meets LE req of LE CAT10)
85982	090 LEC, 06:00pm-09:40pm T, ABAH 325; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 84902 ART 1010; Repinski, Robert A, 3 cr
1010	Drawing I (A-F only; prereq Art or art ed major or art minor or architecture and design minor or instr consent)
85352	001 LEC, 02:00pm-03:50pm MW, ABAH 325; pearcy, wanda j., 3 cr
88462	002 LEC, 08:00am-09:50am TTh, ABAH 325; Dietrich, Jennifer Lee, 3 cr
84902	090 LEC, 06:00pm-09:40pm T, ABAH 325; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 85982 ART 1009; Repinski, Robert A, 3 cr
1011	2-D Design (A-F only; prereq Art or art ed major or art minor or instr consent)
84904	001 LEC, 10:00am-11:50am MW, ABAH 125; Christine, Jayme, 3 cr
85752	002 LEC, 12:00pm-01:50pm MW, ABAH 125; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Jorde, Holly Anderson, 3 cr
85908	003 LEC, 02:00pm-03:50pm TTh, ABAH 125; Christine, Jayme, 3 cr
1012	3-D Design (Credit will not be granted if credit has been received for: ART 1015; A-F only; prereq Art or art ed major or architecture and design studies minor or instr consent)
86590	001 LEC, 12:00pm-01:50pm MW, ABAH 145; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 1 seat reserved for Continuing Education; Suh, Eun-Kyung, 3 cr
86776	002 LEC, 12:00pm-01:50pm TTh, ABAH 145; Suh, Eun-Kyung, 3 cr
88068	003 LEC, 02:00pm-03:50pm TTh, ABAH 145; Ramon, Cecilia, 3 cr

1013	2-D Digital Design (A-F only; prereq Art or art ed major or art minor or photography minor or architecture and design studies minor or communication arts or arts in media minor or instr consent)	2030	Digital Arts I (max crs 6; A-F only; prereq Credit will not be granted if credit has been received for: [3030], 1013, 2016, art or art ed major, pre-art educ major or pre-graphic design major, or art minor or instr consent)	3017	2-D Digital Studio II (max crs 6; A-F only; prereq Credit will not be granted if credit has been received for: [5016], 2016, art or art ed major or art minor or instr consent)
84728	001 LEC, 04:00pm-05:50pm MW, VKH 131; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Hammari, Joshua Dean, 3 cr	84528	001 LEC, 10:00am-11:50am TTh, Library 118; Meets with: 84530 ART 3031; Nitschke, Sarah Chokyi, 3 cr	82780	001 LEC, 12:00pm-01:50pm TTh, Library 118; Nitschke, Sarah Chokyi, 3 cr
84906	002 LEC, 04:00pm-05:50pm TTh, VKH 131; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Kolosnjaj, Sasha, 3 cr	2100	Painting I (A-F only; prereq Credit will not be granted if credit has been received for: [1100], 1006 or 1009 or 1010, 1011, art or art ed major or art minor or instr consent)	3031	Digital Arts II (max crs 6; A-F only; prereq Credit will not be granted if credit has been received for: [5030], 2030, art or art ed major, pre-art educ major or pre-graphic design major, or art minor or instr consent.)
85326	003 LEC, 02:00pm-03:50pm TTh, VKH 131; Lehman, Victoria Dahlstrom, 3 cr	82826	001 LEC, 12:00pm-01:50pm MW, H 318; Christine, Jayme, 3 cr	84530	001 LEC, 10:00am-11:50am TTh, Library 118; Meets with: 84528 ART 2030; Nitschke, Sarah Chokyi, 3 cr
1125	Watercolor I (A-F only; prereq 1002 or 1010 or instr consent)	84908	002 LEC, 02:00pm-03:50pm TTh, H 318; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Nakajima, R, 3 cr	3100	Painting II (max crs 9; 3 repeats allowed; A-F only; prereq 2100, art or art ed major, pre-art educ major or pre-graphic design major, or art minor or instr consent ; max 9 cr)
87100	090 LEC, 05:00pm-08:40pm T, ABAH 125; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 3 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 84266 ART 1126; Colman, Marian, 3 cr	2200	Sculpture I (A-F only; prereq Credit will not be granted if credit has been received for: [1200], 1015 or 1012, art or art ed major or art minor or instr consent)	82828	001 LEC, 10:00am-11:50am TTh, H 318; Meets with: 82830 ART 4100; Nakajima, R, 3 cr
1126	Watercolor II (max crs 6; A-F only; prereq Credit will not be granted if credit has been received for: [3125], 1125 or instr consent)	86620	001 LEC, 10:00am-11:50am TTh, ABAH 145; Ramon, Cecilia, 3 cr	3400	Ceramics II (max crs 6; A-F only; 2400 or instr consent; 2400 or instr consent)
84266	090 LEC, 05:00pm-08:40pm T, ABAH 125; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 87100 ART 1125; Colman, Marian, 3 cr	2301	Printmaking I: Litho, Screen (max crs 6; A-F only; prereq Credit will not be granted if credit has been received for: [1301], 1006 or 1009 or 1010, 1011, art or art ed major or art minor or instr consent)	82814	001 LEC, 02:00pm-03:50pm TTh, ABAH 155; Meets with: 82816 ART 4400; James, Elizabeth J, 3 cr
1405	Fundamentals of Ceramics I (A-F only; prereq Not for art majors or minors; meets LE req of LE CAT10)	85604	001 LEC, 10:00am-11:50am TTh, H 332; Repinski, Robert A, 3 cr	3405	Fundamentals of Ceramics II (max crs 6; prereq 1405 or instr consent ; not for art majors or minors)
84072	090 LEC, 06:00pm-09:40pm W, ABAH 155; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 3 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 84074 ART 3405; Klueg, James, 3 cr	2302	Printmaking I: Hybrid and Non-Toxic Print Processes (Credit will not be granted if credit has been received for: ART 2300; A-F only; prereq 1006 or 1009 or 1010, 1011, art or art ed major or art minor or instr consent)	84074	090 LEC, 06:00pm-09:40pm W, ABAH 155; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 84072 ART 1405; Klueg, James, 3 cr
1800	Creating Visual Narratives (A-F only; prereq Film studies minor, instr consent)	91608	001 STU, 02:00pm-03:50pm MW, H 332; Repinski, Robert A, 3 cr	3425	Ceramics II Wheel Throwing (A-F only; prereq 2400, art or art ed major or art minor or instr consent)
92363	001 LEC, 10:00am-11:50am MW, Library 118; Rock, Joellyn Jean, 3 cr	2400	Ceramics I (A-F only; prereq 1006 or 1009 or 1010, 1012, art or art ed major or art minor or instr consent , Credit will not be granted if credit has been received for: 1400)	86654	001 LEC, 02:00pm-03:50pm MW, ABAH 155; James, Elizabeth J, 3 cr
1814	Creating Across Cultures (A-F only; prereq Credit will not be granted if credit has been received for: [2814]; meets LECD req of LECD CAT09)	82812	001 LEC, 12:00pm-01:50pm TTh, ABAH 155; (Open CE reserved seats will be available to UMD students on January 15, 2008.); James, Elizabeth J, 3 cr	3600	Photography II: Alternative Processes and Film (max crs 6; A-F only; prereq 1013, 2600 or 1607 and art or art ed major or art or photography minor or instr consent)
85210	001 LEC, 06:00pm-08:30pm T, ABAH 345; (Open CE reserved seats will be available to UMD students on 1/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Ramon, Cecilia, 3 cr	2600	Photography I (Credit will not be granted if credit has been received for: ART 1605, ART 1600, ART 1607; A-F only; prereq Art or art ed major or art or photography minor, 1013 or instr consent)	83114	001 LEC, 10:00am-11:50am MW, Cina 16; Dugan, Jeffrey William, 3 cr
1900	Visual Literacy (A-F only; prereq Credit will not be granted if credit has been received for: [2900]; meets LE req of LE CAT9)	86778	002 LEC, 12:00pm-01:50pm TTh, Cina 16; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; pearly, wanda j., 3 cr	3700	Drawing II (max crs 6; A-F only; prereq 1010, art or art ed major, pre-art educ major or pre-graphic design major, or art minor or instr consent)
85904	001 LEC, 09:30am-10:45am TTh, H 314; Klueg, James, 3 cr	2911	Graphic Design I (A-F only; prereq 1010, 1011, 1013, 2905, 2907, arts in media minor, graphic design major, or digital art and photography emphasis or instr consent)	82838	001 LEC, 02:00pm-03:50pm TTh, ABAH 325; Meets with: 83972 ART 4700; Repinski, Robert A, 3 cr
2014	3-D Digital Studio I (Credit will not be granted if credit has been received for: ART 1014; A-F only; prereq 1013 and art or art ed major, pre-art educ major or pre-graphic design major, or art minor or architecture and design studies minor or instr consent . Credit will not be granted if credit has been received for: 1014 or 3014)	83004	001 LEC, 08:00am-09:50am T, ABAH 335, 08:00am-09:50am Th, Library 118; Hammari, Joshua Dean, 3 cr	86592	002 LEC, 12:00pm-01:50pm MW, ABAH 325; Meets with: 86594 ART 4700; Nakajima, R, 3 cr
90581	001 LAB, 09:00am-10:50am MW, SSB 216; Meets with: 90663 ART 3015; Suh, Eun-Kyung, 3 cr	84836	002 LEC, 10:00am-11:50am M, VKH 131, 10:00am-11:50am W, ABAH 335; Hammari, Joshua Dean, 3 cr	3715	Figure Drawing (A-F; prereq 3700, art or art ed or graphic design major or art minor or instr consent)
2016	2-D Digital Studio I (max crs 6; A-F only; prereq Credit will not be granted if credit has been received for: [3016], 1013, art or art ed major, pre-art educ major or pre-graphic design major, or art or photography minor or instr consent)	87132	003 LEC, 04:00pm-05:50pm T, ABAH 335, 04:00pm-05:50pm Th, Library 118; Rock, Joellyn Jean, 3 cr	88048	001 LAB, 06:00pm-09:40pm W, ABAH 325; pearly, wanda j., 3 cr
82768	001 LEC, 12:00pm-01:50pm MW, VKH 131; Rock, Joellyn Jean, 3 cr	3015	3-D Digital Studio II (max crs 9; 3 repeats allowed; A-F only; prereq Credit will not be granted if credit has been received for: [4014], 2014, art or art ed major or architecture and design studies minor or art minor or instr consent)	3809	Art in Elementary Education Methods (A-F only; prereq 0903, art education cand)
84264	002 LEC, 10:00am-11:50am TTh, VKH 131; Rock, Joellyn Jean, 3 cr	90663	001 LAB, 09:00am-10:50am MW, SSB 216; Meets with: 90581 ART 2014; Suh, Eun-Kyung, 3 cr	87576	001 LEC, 12:00pm-01:55pm TTh, H 331; Aune, Alison Judith, 3 cr
				3810	Art in Elementary Education (A-F only; prereq 1002 or 1005, pre-elem/middle school ed major only.)
				82798	001 LEC, 10:00am-11:25am MW, H 331; Colman, Marian, 2 cr
				82800	002 LEC, 05:00pm-07:50pm T, H 331; Hudec, Susan Marie, 2 cr
				84910	003 LEC, 10:00am-11:25am TTh, H 331; Aune, Alison Judith, 2 cr
				3811	Teacher as Artist: Postmodern Theory and Practice (A-F only; prereq 0903, [3809 or 3810], Art ed major or instr consent)
				91604	001 LEC, 02:00pm-03:25pm MW, H 331; Dietrich, Jennifer Lee, 3 cr

- 3815 Art in Secondary Education**
(A-F only; prereq 3811, art ed majors only or instr consent)
85942 001 LEC, 12:00pm-01:50pm MW, H 331; Colman, Marian, 3 cr
- 3907 Typography II**
(A-F only; prereq 2907, graphic design major or instr consent)
91260 001 LAB, 02:00pm-03:50pm MW, MonH 209; Bardolph, Steve, 3 cr
91261 002 LAB, 02:00pm-03:50pm TTh, MonH 209; Bardolph, Steve, 3 cr
91262 003 LAB, 12:00pm-01:50pm TTh, MonH 239; Koch, Beth E, 3 cr
92335 300 LAB; ROCHESTER; Edel, Miranda Elizabeth, 3 cr
- 3933 Graphic Design III**
(A-F only; prereq 3922, graphic design major or instr consent)
83006 001 LEC, 08:00am-09:50am T, Library 118, 08:00am-09:50am Th, ABAH 335; Gordon, Jennifer Ann, 3 cr
85118 002 LEC, 04:00pm-05:50pm T, Library 118, 04:00pm-05:50pm Th, ABAH 335; Wittig, Rob, 3 cr
88570 003 LEC, 10:00am-11:50am T, ABAH 335, 10:00am-11:50am Th, MonH 239; Wittig, Rob, 3 cr
92336 300 LEC; ROCHESTER; Edel, Miranda Elizabeth, 3 cr
- 4040 Introduction to Digital Filmmaking**
(A-F; prereq 2030, art or art ed major, pre-art educ major or pre-graphic design major, or art minor or instr consent)
88116 001 LAB, 02:00pm-03:50pm MW, Library 118; Nitschke, Sarah Chokyi, 3 cr
- 4100 Painting III**
(max crs 9; 3 repeats allowed; A-F only; prereq 3100, art or art ed major or art minor or instr consent; no Grad School cr)
82830 001 LEC, 10:00am-11:50am TTh, H 318; Meets with: 82828 ART 3100; Nakajima, R, 3 cr
- 4191 Individual Study in Painting**
(max crs 9; 9 repeats allowed; A-F only; prereq Two sem painting, instr consent; no Grad School cr)
82832 001 IND; Nakajima, R, 1-3 cr
- 4291 Individual Study in Sculpture**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 sem sculpture, instr consent; no Grad School cr)
88562 001 IND; Bowen, David W, 1-3 cr
- 4391 Individual Study in Printmaking**
(max crs 9; 9 repeats allowed; A-F only; prereq 3300, dept consent)
83132 001 IND; Repinski, Robert A, 1-3 cr
- 4400 Ceramics III**
(max crs 6; A-F only; prereq 3400, art or art ed major or art minor or instr consent; no Grad School cr)
82816 001 LEC, 02:00pm-03:50pm TTh, ABAH 155; Meets with: 82814 ART 3400; James, Elizabeth J, 3 cr
- 4491 Individual Study in Ceramics**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 sem ceramics, dept consent)
83134 001 IND; Klueg, James, 1-3 cr
89028 002 IND; , 1-3 cr
- 4600 Photography III: Digital Portfolio**
(max crs 9; 3 repeats allowed; A-F only; prereq (1900 or 2900), (3600 or 3625), art or art ed major or art or photography minor or instr consent)
83116 001 LEC, 02:00pm-03:50pm MW, Cina 16; Brush, Gloria DeFilippis, 3 cr
- 4650 Photography IV: Alternative Processes Portfolio**
(max crs 6; A-F; prereq 1900, 3600 or 3625, 4600, art or art ed major or art or photography minor or instr consent)
88062 001 STU, 10:00am-11:50am TTh, Cina 16; Dugan, Jeffrey William, 3 cr
- 4675 Photography V: The Photographic Book**
(max crs 9; 3 repeats allowed; A-F; prereq 1900, [3600 or 3625], [4600 or 4650], art or art ed major or art or photography minor or instr consent)
88078 001 STU, 12:00pm-01:50pm MW, Cina 16; Brush, Gloria DeFilippis, 3 cr
- 4691 Individual Study in Photography**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 semesters of photography, dept consent)
84270 001 IND; Brush, Gloria DeFilippis, 1-3 cr
85212 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 instr consent)
83972 001 LEC, 02:00pm-03:50pm TTh, ABAH 325; Meets with: 82838 ART 3700; Repinski, Robert A, 3 cr
86594 002 LEC, 12:00pm-01:50pm MW, ABAH 325; Meets with: 86592 ART 3700; Nakajima, R, 3 cr
- 4791 Individual Study in Drawing**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 semesters of drawing, instr consent)
88986 001 IND; pearly, wanda j., 1-3 cr
- 4812 Senior Seminar**
(A-F only; prereq Sr or instr consent; no Grad School credit)
83952 001 SEM, 12:00pm-01:15pm MW, ABAH 345; Dugan, Jeffrey William, 3 cr
85924 003 SEM, 10:00am-11:15am MW, ABAH 345; Dietrich, Jennifer Lee, 3 cr
- 4813 Senior Seminar II: Studio Practice**
(A-F only; prereq 4812, Sr or instr consent, studio art-general major; no Grad School cr)
88080 001 LEC, 06:00pm-08:30pm Th, ABAH 345; Dugan, Jeffrey William, 3 cr
92337 300 LEC; ROCHESTER; Hunt, Betsy Janelle, 3 cr
- 4899 Senior Presentation/Exhibition**
(A-F only; prereq Sr art major or instr consent; no Grad School cr)
83128 001 STU; Klueg, James, 1 cr
92338 300 STU; ROCHESTER; Hunt, Betsy Janelle, 1 cr
- 4903 Art Education Student Teaching Seminar**
(A-F only; prereq Art ed major and Concurrent registration is required (or allowed) in Educ 4500, EdSe 4600, EIEd 4650; no Grad School cr)
84750 001 LEC, 04:00pm-04:50pm Th, H 314; Meets with: 88560 ART 4903; Colman, Marian; Aune, Alison Judith, 1 cr
88560 002 LEC, 04:00pm-04:50pm Th, H 314; Meets with: 84750 ART 4903; Colman, Marian; Aune, Alison Judith, 1 cr
- 4905 Design Technology II**
(A-F only; prereq 2905, graphic design major or instr consent)
83044 001 LEC, 12:00pm-01:50pm TTh, VKH 131; Lehman, Victoria Dahlstrom, 3 cr
84730 002 LEC, 02:00pm-03:50pm MW, VKH 131; Lehman, Victoria Dahlstrom, 3 cr
85356 003 LEC, 08:00am-09:50am TTh, VKH 131; Lehman, Victoria Dahlstrom, 3 cr
88098 004 LEC, 12:00pm-01:50pm MW, MonH 209; Hammari, Joshua Dean, 3 cr
- 4908 Interactive Design I**
(max crs 6; A-F only; prereq Credit will not be granted if credit has been received for: [5909], 4907, graphic design major, or digital art and photography emphasis or Grad Student or instr consent)
85360 001 LEC, 12:00pm-01:50pm MW, Library 118; Waisman, Mariana Marta, 3 cr
86842 002 LEC, 08:00am-09:50am MW, Library 118; Waisman, Mariana Marta, 3 cr
87282 003 LEC, 10:00am-11:50am MW, MonH 239; Koch, Beth E, 3 cr
- 4909 Interactive Design II**
(max crs 6; A-F only; prereq 4908, graphic design major, or digital art and photography emphasis or Grad Student, or instr consent, Credit will not be granted if credit has been received for: 5910)
91263 001 LAB, 02:00pm-03:50pm TTh, Library 118; Gordon, Jennifer Ann, 3 cr
- 4933 Senior Design Studio II**
(max crs 6; A-F only; prereq 4922 or instr consent, no Grad School cr)
87278 001 SEM, 10:00am-11:50am M, ABAH 335, 10:00am-11:50am W, VKH 131; Gordon, Jennifer Ann, 3 cr
87280 002 SEM, 02:00pm-03:50pm TTh, MonH 239; Koch, Beth E, 3 cr
92339 300 SEM; ROCHESTER; Edel, Miranda Elizabeth, 3 cr
- 5991 Independent Study in Graphic Design**
(max crs 9; 9 repeats allowed; A-F only; prereq 2 sem work in graphic design and graphic design major and instr consent)
83942 001 IND; Kmetz, Janice D, 1-3 cr
85362 002 IND; Bardolph, Steve, 1-3 cr
- 5997 Art Museum Internship**
(max crs 12; 4 repeats allowed; A-F only; prereq 1001, 6 cr ArtH; 1 cr for each 45 hrs of work; no Grad School cr, instr consent)
83126 001 IEX; Hudec, Susan Marie, 1-3 cr
- 5999 Special Projects in Design**
(max crs 6; A-F only; prereq Graphic design major or Grad Student; instr consent)
87670 001 STU; Kmetz, Janice D, 3 cr
- 8901 Graduate Seminar**
(max crs 16; 4 repeats allowed; A-F only; prereq Concurrent registration is required (or allowed) for 8980)
84002 001 SEM; Kmetz, Janice D, 4 cr
- 8980 Graduate Studio**
(max crs 16; 4 repeats allowed; A-F only; prereq Concurrent registration is required (or allowed) in 8901; Grad student)
84004 001 STU; Gordon, Jennifer Ann, 4 cr

ART HISTORY (ArH) School of Fine Arts

- 1304 History of World Art II**
(A-F only; meets LEIP req of LEIP CAT09)
85364 001 LEC, 10:00am-10:50am MWF, MonH 80; , 3 cr
- 3320 Ancient Art**
(A-F only)
87240 001 LEC, 01:00pm-02:15pm TTh, ABAH 345; Webb, Jennifer, 3 cr
- 3330 Renaissance Painting and Sculpture**
(A-F only)
84912 001 LEC, 11:00am-12:15pm TTh, ABAH 345; Webb, Jennifer, 3 cr
- 3340 Baroque and Rococo Art**
(A-F only)
91163 001 LEC, 09:00am-10:15am TTh, ABAH 345; Webb, Jennifer, 3 cr
- 3360 European Art in an Age of Revolution**
(A-F only)
91162 001 LEC, 09:00am-09:50am MWF, ABAH 345, 3 cr
- 4620 History of Photography**
(A-F only; prereq 2390 or 3370 or art or art ed major or art, photography or communication arts minor or instr consent)
90595 001 LEC, 02:00pm-03:15pm TTh, Library 410; Brush, Gloria DeFilippis, 3 cr
92341 300 LEC; ROCHESTER; Brush, Gloria DeFilippis, 3 cr
- 4691 Directed Study in the History of Photography**
(max crs 4; A-F; prereq instr consent, Concurrent registration is required (or allowed) in 4620 is not allowed)
92357 001 DRS; Brush, Gloria DeFilippis, 3-4 cr
- 4901 History of Graphic Design**
(A-F only; prereq Art or art ed major or graphic design major or art or communication arts or arts in media minor or Grad student or instr consent)
83008 001 LEC, 02:00pm-03:15pm TTh, H 314; Kmetz, Janice D, 3 cr

- 4991 Directed Study in the History of Graphic Design**
(max crs 8; A-F only; prereq Grad student or instr consent)
87668 001 DRS; Kmetz, Janice D, 1-4 cr
- 4999 Senior Paper Art History**
(A-F only; prereq Major in ArthH with 90 cr, instr consent; no Grad School credit)
85314 001 DRS; Webb, Jennifer, 1 cr
85368 002 DRS; , 1 cr
- 5391 Directed Study in Renaissance and Baroque Art**
(max crs 9; 9 repeats allowed; A-F only; prereq instr consent; max 6 cr for undergrads)
85366 001 DRS; Webb, Jennifer, 1-3 cr
- 5591 Directed Study in American Art**
(max crs 9; 9 repeats allowed; A-F only; prereq instr consent; max 6 cr for undergrads)
92358 001 DRS; Degerstrom, Amy, 1-3 cr

ASTRONOMY (Ast)**Swenson College of Science & Engineering**

- 1040 Introductory Astronomy**
(A-F only; meets LE req of LE CAT5)
85910 001 LEC, 11:00am-11:50am MWF, LSci 185; Mooers, Howard D, 3 cr
84994 090 LEC, 06:00pm-08:50pm M, LSci 175; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 37 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Hartley, Susan R, 3 cr
84076 350 INI; (Individualized Instruction-16 week course - register anytime. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Holst, Timothy Bailey, 3 cr

BEHAVIORAL SCIENCES (BhSc)**Duluth School of Medicine**

- 5432 Clinical Psychopharmacology**
84742 001 LEC; Davis, Gary L, 3 cr
- 5491 Problems in Medical Behavioral Sciences**
(max crs 6; A-F only; prereq Med or upper div or Grad Student, instr consent; max 6 cr to Grad School program)
84496 001 IND; Davis, Gary L, 1-6 cr
- 6260 Psycho-Social-Spiritual Aspects of Life-Threatening Illness**
(P-N; prereq Regis med student)
84376 001 LEC; Davis, Gary L, 2 cr
- 6652 Human Behavioral Development and Problems**
(O-N; prereq Regis med student)
84378 001 LEC; Hovland, Jane, 4 cr

BIOCHEMISTRY AND MOLECULAR BIOLOGY (MdBc)**Duluth School of Medicine**

- 3194 Biochemistry Undergraduate Research**
(max crs 3; S-N only; prereq instr consent)
89030 001 IND, 1-3 cr
- 5202 Cellular and Molecular Biology**
(A-F only; prereq Biol 2102 or Biol 5231 or Chem 4342 or instr consent)
85530 001 LEC, 3 cr
- 8151 Biochemistry Seminar**
(max crs 4; 4 repeats allowed; S-N only; prereq Biochem or Chem Graduate Student or instr consent)
86356 001 SEM, 04:00pm-05:00pm Th, Med 130; Perkins, Edward Leon, 1 cr

- 8294 Current Research Techniques**
(max crs 4; 4 repeats allowed; S-N only; prereq Biochem or Chem Graduate Student or instr consent)
83846 001 DRS, 1-3 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
82520 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
84556 001 DRS, 1 cr
- 8666 Doctoral Pre-Thesis Credits**
(max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))
84574 001 THE, 1-6 cr
- 8777 Thesis Credits: Master's**
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
84608 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)
84628 001 THE, 1-24 cr

BIOLOGY (Biol)**Swenson College of Science & Engineering**

- 1001 Biology and Society**
(A-F only; prereq For nonmajors; meets LE req of LE CAT4)
001 LEC, 02:00pm-03:15pm TTh, Chem 200; Bates, Paul W
83182 002 LAB, 09:00am-10:50am T, LSci 354, 4 cr
83184 003 LAB, 11:00am-12:50pm T, LSci 354, 4 cr
83186 004 LAB, 03:30pm-05:20pm T, LSci 354; (CE Reserve seats will be available to UMD students on 01/13/09.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009, 4 cr
83188 005 LAB, 08:00am-09:50am W, LSci 354, 4 cr
83190 006 LAB, 01:00pm-02:50pm W, LSci 354, 4 cr
83192 007 LAB, 03:00pm-04:50pm W, LSci 354; (CE Reserve seats will be available to UMD students on 01/13/09.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009, 4 cr
83194 008 LAB, 09:00am-10:50am Th, LSci 354, 4 cr
83196 009 LAB, 03:30pm-05:20pm Th, LSci 354; (CE Reserve seats will be available to UMD students on Jan 15, 2008.); 4 cr
- 1011 General Biology I**
(A-F only; prereq 1 yr high school chem or 1 sem college chem and SCSE student or student in exercise science or athletic training or teaching life science or teaching earth and space science or teaching physical science or environmental studies; meets LE req of LE CAT4)
001 LEC, 09:00am-09:50am MWF, Chem 200; Stevenson, Shannon Lea
002 DIS, 09:00am-09:50am Th, SSB 115
88120 003 LAB, 08:00am-10:15am T, SSB 113; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009, 5 cr
004 DIS, 11:00am-11:50am Th, SSB 115
88124 005 LAB, 10:30am-12:45pm T, SSB 113, 5 cr
006 DIS, 01:00pm-01:50pm Th, SSB 115
88128 007 LAB, 01:00pm-03:15pm T, SSB 113, 5 cr
008 DIS, 04:00pm-04:50pm Th, SSB 115
88132 009 LAB, 03:30pm-05:45pm T, SSB 113, 5 cr
010 DIS, 06:00pm-06:50pm Th, SSB 115
88136 011 LAB, 06:00pm-08:15pm T, SSB 113, 5 cr
012 DIS, 10:00am-10:50am F, SSB 115
88140 013 LAB, 10:00am-12:15pm W, SSB 113, 5 cr
014 DIS, 12:00pm-12:50pm F, SSB 115

- 88144 015 LAB, 12:30pm-02:45pm W, SSB 113, 5 cr
016 DIS, 06:00pm-06:50pm M, SSB 115
- 88148 017 LAB, 06:00pm-08:15pm W, SSB 113, 5 cr
018 DIS, 09:00am-09:50am T, SSB 115
- 88152 019 LAB, 08:00am-10:15am Th, SSB 113, 5 cr
020 DIS, 12:00pm-12:50pm T, SSB 115
- 88156 021 LAB, 10:30am-12:45pm Th, SSB 113, 5 cr
022 DIS, 01:00pm-01:50pm T, SSB 115
- 88160 023 LAB, 01:00pm-03:15pm Th, SSB 113, 5 cr
024 DIS, 04:00pm-04:50pm T, SSB 115
- 88164 025 LAB, 03:30pm-05:45pm Th, SSB 113, 5 cr
026 DIS, 06:00pm-06:50pm T, SSB 115
- 88168 027 LAB, 06:00pm-08:15pm Th, SSB 113, 5 cr
028 DIS, 12:00pm-12:50pm W, SSB 115
- 88172 029 LAB, 12:00pm-02:15pm M, SSB 113, 5 cr
030 DIS, 01:00pm-01:50pm W, SSB 115
- 90655 031 LAB, 12:00pm-02:15pm F, SSB 113, 5 cr
- 1012 General Biology II**
(A-F only; prereq 1011)
001 LEC, 11:00am-11:50am MWF, Chem 200; Shannon, Lyle John; Bates, Paul W
002 DIS, 10:00am-10:50am Th, SSB 115
88176 003 LAB, 09:00am-11:15am T, SSB 109, 5 cr
004 DIS, 12:00pm-12:50pm Th, SSB 115
88180 005 LAB, 12:00pm-02:15pm T, SSB 109, 5 cr
006 DIS, 03:00pm-03:50pm Th, SSB 115
88184 007 LAB, 02:30pm-04:45pm T, SSB 109, 5 cr
008 DIS, 05:00pm-05:50pm Th, SSB 115
88188 009 LAB, 06:00pm-08:15pm T, SSB 109, 5 cr
010 DIS, 09:00am-09:50am F, SSB 115
88192 011 LAB, 08:30am-10:45am W, SSB 109, 5 cr
012 DIS, 01:00pm-01:50pm F, SSB 115
88196 013 LAB, 12:30pm-02:45pm Th, SSB 109, 5 cr
014 DIS, 05:00pm-05:50pm M, SSB 115
88200 015 LAB, 06:00pm-08:15pm W, SSB 109, 5 cr
016 DIS, 10:00am-10:50am T, SSB 115
88204 017 LAB, 08:00am-10:15am Th, SSB 109, 5 cr
018 DIS, 11:00am-11:50am T, SSB 115
88208 019 LAB, 10:30am-12:45pm Th, SSB 109, 5 cr
020 DIS, 03:00pm-03:50pm T, SSB 115
88212 021 LAB, 01:00pm-03:15pm Th, SSB 109, 5 cr
022 DIS, 05:00pm-05:50pm T, SSB 115
88216 023 LAB, 03:30pm-05:45pm Th, SSB 109, 5 cr
024 DIS, 06:00pm-06:50pm W, SSB 115
88220 025 LAB, 06:00pm-08:15pm Th, SSB 109, 5 cr
026 DIS, 09:00am-09:50am W, SSB 115
88224 027 LAB, 08:30am-10:45am F, SSB 109, 5 cr
- 2101 Cell Biology**
(A-F only; prereq 1011, 1012, (Chem 1152 or Chem 1162), (Chem 2521 or Chem 2541), (2102 can be taken concurrently or in a later semester))
83200 001 LEC, 02:00pm-02:50pm MWF, Chem 200; Stevenson, Shannon Lea, 3 cr
- 2102 Cell Biology Laboratory**
(A-F only; prereq 1011, 1012, (2101 or Concurrent registration is required (or allowed) in 2101), (Chem 2521 or Chem 2541) or instr consent)
85754 001 LAB, 09:00am-12:50pm T, SSB 103; Kram, Brian William, 2 cr
85756 002 LAB, 01:00pm-04:50pm T, SSB 103, 2 cr
85932 003 LAB, 05:00pm-08:50pm T, SSB 103, 2 cr
86346 004 LAB, 09:00am-12:50pm Th, SSB 103, 2 cr
87684 005 LAB, 01:00pm-04:50pm Th, SSB 103, 2 cr
- 2201 Genetics**
(A-F only; prereq 1012)
86576 001 LEC, 09:00am-09:50am MWF, LSci 185; Hedman, Stephen C, 3 cr
- 2202 Genetics Laboratory**
(A-F; prereq 1011, 2201 (concurrent registration is allowed for 2201))
87686 001 LAB, 12:00pm-03:50pm M, SSB 105; Liang, Jennifer O., 2 cr
87688 002 LAB, 04:00pm-07:50pm M, SSB 105; , 2 cr
90833 003 LAB, 08:00am-11:50am T, SSB 105; , 2 cr
90834 004 LAB, 12:00pm-03:50pm T, SSB 105; , 2 cr
90835 005 LAB, 04:00pm-07:50pm T, SSB 105; , 2 cr
- 2801 General Ecology**
(A-F only; prereq 1012 or instr consent)
84778 001 LEC, 02:00pm-03:15pm TTh, LSci 185; Branstrator, Donn K, 3 cr
- 3601 Plant Diversity**
(A-F only; prereq 1012)
001 LEC, 08:00am-08:50am TTh, SSB 115; Etterson, Julie Rae

90839	002 LAB, 09:00am-11:50am Th, LSci 306; Etterson, Julie Rae, 3 cr
90840	003 LAB, 01:00pm-03:50pm Th, LSci 306, 3 cr
3603	Plant Taxonomy (A-F only; prereq 1012) 001 LEC, 12:00pm-12:50pm MW, LSci 306; Schimpf, David J
84436	002 LAB, 01:00pm-02:50pm M, LSci 306; Schimpf, David J, 3 cr
3701	Animal Diversity (A-F only; prereq 1012) 001 LEC, 01:00pm-01:50pm TTh, LSci 185; Shannon, Lyle John
83996	002 LAB, 10:00am-11:50am MW, LSci 326; , 4 cr
83998	003 LAB, 01:00pm-02:50pm MW, LSci 326, 4 cr
84000	004 LAB, 03:00pm-04:50pm MW, LSci 326; , 4 cr
90842	005 LAB, 08:00am-09:50am TTh, LSci 326; , 4 cr
90843	006 LAB, 10:00am-11:50am TTh, LSci 326, 4 cr
3987	Biology Seminar (A-F; prereq Min 90 cr, Biol or Cell Concurrent registration is required (or allowed) in Molecular Biol major, Credit will not be granted if credit has been received for: (3997 AND 3998))
92277	001 SEM, 02:00pm-02:50pm M, SSB 115; Class meets 3-4:50 on Fridays for required Biology Seminar in LSci 185.; , 1 cr
92278	002 SEM, 03:00pm-03:50pm M, SSB 115; Class meets 3-4:50 on Fridays for required Biology Seminar in LSci 185.; Bates, Paul W, 1 cr
92279	003 SEM, 10:00am-10:50am T, SSB 202; Class meets 3-4:50 on Fridays for required Biology Seminar in LSci 185.; Branstrator, Donn K, 1 cr
92280	004 SEM, 03:00pm-03:50pm W, SSB 115; Class meets 3-4:50 on Fridays for required Biology Seminar in LSci 185.; Stevenson, Shannon Lea, 1 cr
92281	005 SEM, 11:00am-11:50am Th, SSB 202; Class meets 3-4:50 on Fridays for required Biology Seminar in LSci 185.; Hrabik, Thomas R, 1 cr
92282	006 SEM, 08:00am-08:50am F, SSB 115; Class meets 3-4:50 on Fridays for required Biology Seminar in LSci 185.; Pastor, John Joseph, 1 cr
3993	Laboratory Teaching Experience (max crs 2; S-N only; prereq instr consent , biol or cell biol major, 90 cr incl 25 cr Biol; max 2 cr may be applied toward Biol major)
83198	001 LAB, 1-2 cr
3994	Undergraduate Research (max crs 6; 6 repeats allowed; S-N only; prereq 1012, 60 cr, instr consent ; max 4 cr may be applied to biol or cell biol major or biol minor as upper div elective)
83214	001 DRS, 1-3 cr
3996	Internship in Biology (max crs 2; S-N only; prereq 1012, instr consent ; max 1 cr may be applied to biol or cell biol major)
83212	001 IEX, 1-2 cr
4231	Molecular Biology (A-F; prereq Credit will not be granted if credit has been received for: [5231], 2101, 2201 or instr consent , or Biol or IBS Grad School student)
83216	001 LEC, 02:00pm-02:50pm MWF, LSci 185; Kroft, Tim L, 3 cr
4361	Developmental Biology (A-F only; prereq 2101, 2201 or instr consent , or Biol or IBS Grad School student; Credit will not be granted if credit has been received for: 5361) 001 LEC, 08:00am-08:50am TTh, Chem 200; Liang, Jennifer O.
91013	002 LAB, 09:00am-11:50am Th, SSB 105; Liang, Jennifer O., 3 cr
91014	003 LAB, 12:00pm-02:50pm Th, SSB 105; , 3 cr
91015	004 LAB, 03:00pm-05:50pm Th, SSB 105; , 3 cr
91016	005 LAB, 06:00pm-08:50pm Th, SSB 105; , 3 cr
91017	006 LAB, 09:00am-11:50am F, SSB 105; , 3 cr
4501	General Microbiology (A-F only; prereq 2101 or instr consent , or Biol or IBS Grad School student) 001 LEC, 11:00am-11:50am TTh, LSci 175; Hicks, Randall E
88252	002 LAB, 01:00pm-02:50pm TTh, SSB 208; Hicks, Randall E, 4 cr
88254	003 LAB, 03:00pm-04:50pm TTh, SSB 208, 4 cr
88256	004 LAB, 05:00pm-06:50pm TTh, SSB 208, 4 cr
4761	Ichthyology (A-F only; prereq 2801 or instr consent , or Biol or IBS Grad School student) 001 LEC, 02:00pm-02:50pm TTh, SSB 115; Hrabik, Thomas R
84840	002 LAB, 03:00pm-04:30pm TTh, LSci 328; Hrabik, Thomas R, 3 cr
4763	Ornithology (A-F only; prereq 2801 or instr consent , or Biol or IBS Grad School student) 001 LEC, 08:00am-08:50am MW, SSB 115
88268	002 LAB, 09:00am-10:50am M, LSci 330, 3 cr
88270	003 LAB, 09:00am-10:50am W, LSci 330, 3 cr
4802	Evolution (A-F only; prereq Credit will not be granted if credit has been received for: [4801], 1012, 2201 or instr consent , or Biol or IBS Grad School student)
84642	001 LEC, 11:00am-12:15pm TTh, LSci 185; Craig, Timothy Paul, 3 cr
4805	Ecological Invasions (A-F only; prereq 2801 or Biol or IBS Grad School student)
85120	001 LEC, 02:00pm-02:50pm W, SSB 202, 03:00pm-04:50pm W, SSB 202; (Meets in SSB 202); Schimpf, David J, 2 cr
5232	Molecular Biology Laboratory (A-F; prereq Credit will not be granted if credit has been received for: [4232], [4231] or Concurrent registration is required (or allowed) in 4231) or instr consent , or Biol or IBS Grad School student)
86106	001 LAB, 01:00pm-04:50pm W, SSB 212; Dahl, John L, 2 cr
86108	002 LAB, 05:00pm-08:50pm W, SSB 212, 2 cr
86360	003 LAB, 08:00am-11:50am Th, SSB 212, 2 cr
88248	004 LAB, 12:00pm-03:50pm Th, SSB 212, 2 cr
88966	005 LAB, 04:00pm-07:50pm Th, SSB 212, 2 cr
5807	Mathematical Ecology (A-F only; prereq (2801, (Math 1290 or Math 1297)) or Biol or IBS Grad School student)
88340	001 LEC, 10:00am-10:50am MW, SSB 115, 11:00am-12:50pm W, SSB 216; Pastor, John Joseph, 3 cr
5861	Lake Ecology (A-F only; prereq 2801 or instr consent or Biol or IBS Grad School student)
86514	001 LEC, 03:00pm-04:15pm MW, LSci 185; Hecky, Robert E, 3 cr
5865	Conservation Biology (A-F only; prereq 2801 or Biol or IBS Grad School student)
87142	001 LEC, 08:00am-08:50am TTh, Chem 155; Niemi, Gerald John, 2 cr
5868	Ecotoxicology (A-F only; prereq 2101, 2801, college-level statistics course or instr consent , or Biol or IBS Grad School student)
87518	001 LEC, 11:00am-11:50am MWF, SSB 115; Room: SSB 202; Schoff, Patrick K, 3 cr
8333	FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
82510	001 DRS, 1 cr
8777	Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
84584	001 THE, 1-18 cr
8994	Graduate Research (max crs 10; 10 repeats allowed; S-N only; prereq Grad student in biol or related field)
84526	001 DST, 1-4 cr

BUSINESS LAW (BLaw)**Labovitz School of Business & Economics**

2001	The Legal Environment (A-F; prereq Min 30 cr.; meets LE req of LE CAT8)
86554	001 LEC, 08:00am-08:50am MWF, LSBE 118, 3 cr
86556	002 LEC, 08:00am-09:15am TTh, LSBE 118; (Open CE reserved seats will be available to UMD students on January 15, 2008.), 3 cr
85390	003 LEC, 04:00pm-05:15pm MW, LSBE 118; (Open CE reserved seats will be available to UMD students on January 15, 2008.), 3 cr
3001	Law and Ethics for Financial Professionals (Credit will not be granted if credit has been received for: BLaw 3101; A-F; prereq LSBE cand or dept consent)
85538	001 LEC, 12:30pm-01:45pm TTh, LSBE 129; Roline, Alan C, 3 cr

CHEMICAL ENGINEERING (ChE)**Swenson 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)
84392	001 LEC, 08:00am-09:15am TTh, Engr 280; Horabik, Carol, 3 cr
2111	Material and Energy Balances (prereq Chem 1151 or Chem 1161)
84694	001 LEC, 09:30am-10:45am TTh, Engr 280; Hasan, Abu Rashid, 3 cr
2121	Chemical Engineering Thermodynamics (A-F only; prereq 2111, Math 1297, Concurrent registration is required (or allowed) in 1011)
83776	001 LEC, 02:00pm-02:50pm MWF, SpHC 210; Hasan, Abu Rashid, 3 cr
3031	Computational Methods in Chemical Engineering (A-F only; prereq B.S.Ch.E. candidate, 2111, Math 3280)
88632	001 LAB, 02:00pm-03:15pm TTh, Engr 204; Davis, Richard A, 3 cr
3111	Fluid Mechanics (A-F only; prereq Engr 2015, Math 3280)
87760	001 LEC, 02:00pm-02:50pm MWF, VKH 221; Rother, Michael Anthony; Horabik, Carol, 3 cr
3112	Heat and Mass Transfer (Credit will not be granted if credit has been received for: ME 4112; A-F only; prereq 3111)
82566	001 LEC, 11:00am-11:50am MWF, Engr 118, 11:00am-11:50am F, Engr 204; Meets in 204 EB on Fridays; Lodge, Keith B, 3 cr
3231	Properties of Engineering Materials (A-F only; prereq 2121, Chem 2521)
82614	001 LEC, 09:00am-09:50am MWF, VKH 221; Sternberg, Steven PK, 3 cr
3791	Independent Study (max crs 3; 3 repeats allowed; prereq BSChE cand, dept consent)
82620	001 LEC, 1-3 cr
3894	Chemical Engineering Research (max crs 6; 6 repeats allowed; prereq BSChE cand, max 6 cr in 3994)
82622	001 LAB, 1-3 cr
3951	Cooperative Education (max crs 20; 20 repeats allowed; prereq BSChE cand, dept consent)
82646	001 IEX; Davis, Richard A, 1-6 cr
4211	Chemical Engineering Laboratory II (A-F only; prereq 3211; no Grad School cr)
85782	001 LAB, 12:00pm-05:00pm T, Engr 163; Meets in Engr 204 on Tuesdays, 02:00-02:50pm; Horabik, Carol, 3 cr
91282	002 LAB, 12:00pm-05:00pm Th, Engr 163; Horabik, Carol, 3 cr

4402 Process Dynamics and Control (Credit will not be granted if credit has been received for: CHE 4401; A-F only; prereq B.S.Ch.E. candidate, 2121, 3112, CS 11xx, Math 3280, instr consent, no Grad School cr) 001 LEC, 02:00pm-02:50pm MW, MWAH 175; Lodge, Keith B	86870 025 LAB, 02:00pm-04:50pm Th, SSB 145, 5 cr	2543 Organic Chemistry I Laboratory (A-F only; prereq Credit will not be granted if credit has been received for: [2521, CHE 3231, ENGR 2110], 1152 or 1162, Concurrent registration is required (or allowed) in 2541) 88526 001 LAB, 03:00pm-04:50pm M, SSB 226; Grundt, Peter, 1 cr
85564 002 LAB, 10:00am-11:50am T, Engr 114; Lodge, Keith B, 3 cr	1152 General Chemistry II (Credit will not be granted if credit has been received for: CHEM 1162, CHEM 2172; A-F only; prereq 1151 or 1161) 001 LEC, 10:00am-10:50am MTWTF, Chem 200; Splan, Patricia Rae	88528 002 LAB, 09:00am-10:50am T, SSB 226; Grundt, Peter, 1 cr
85566 003 LAB, 10:00am-11:50am Th, Engr 114; Lodge, Keith B, 3 cr	83372 009 LAB, 02:00pm-04:50pm M, SSB 129, 5 cr 010 DIS, 09:00am-09:50am Th, SSB 129	88530 003 LAB, 03:00pm-04:50pm W, SSB 226; Grundt, Peter, 1 cr
85930 004 LAB, 02:00pm-03:50pm Th, Engr 114; Lodge, Keith B, 3 cr	83376 011 LAB, 02:00pm-04:50pm M, SSB 131, 5 cr 012 DIS, 08:00am-08:50am Th, SSB 131	88532 004 LAB, 12:00pm-01:50pm Th, SSB 226; Grundt, Peter, 1 cr
4502 Chemical Engineering Design II (A-F only; prereq 4501; no Grad School cr)	83380 013 LAB, 02:00pm-04:50pm M, SSB 133, 5 cr 016 DIS, 09:00am-09:50am Th, SSB 143	2544 Organic Chemistry II Laboratory (A-F only; prereq Credit will not be granted if credit has been received for: [2522, 2532, 2545], 2521 or (2541 and 2543), Concurrent registration is required (or allowed) in 2542) 88536 001 LAB, 03:00pm-04:50pm M, SSB 228; Carlson, Robert M, 1 cr
88444 001 LEC, 03:00pm-04:50pm MWF, Engr 290; Rother, Michael Anthony, 4 cr	83388 017 LAB, 02:00pm-04:50pm T, SSB 129, 5 cr 018 DIS, 08:00am-08:50am Th, SSB 133	88538 002 LAB, 09:00am-10:50am T, SSB 232; Carlson, Robert M, 1 cr
4602 Bioseparations (A-F only; prereq 2111, Math 1297)	84920 019 LAB, 02:00pm-04:50pm T, SSB 131, 5 cr 020 DIS, 09:00am-09:50am Th, SSB 133	88540 003 LAB, 12:00pm-01:50pm T, SSB 228; Carlson, Robert M, 1 cr
86896 001 LEC, 10:00am-10:50am MW, Engr 118, 10:00am-10:50am F, Engr 204; Rutkowski, Gregory, 3 cr	84924 021 LAB, 02:00pm-04:50pm T, SSB 133, 5 cr 028 DIS, 12:00pm-12:50pm Th, SSB 246	88542 004 LAB, 03:00pm-04:50pm T, SSB 228; Carlson, Robert M, 1 cr
4613 Air Pollution Control (A-F only; prereq 2111, Math 3280, min 60 cr)	83402 029 LAB, 02:00pm-04:50pm W, SSB 129, 5 cr 030 DIS, 01:00pm-01:50pm Th, SSB 143	88544 005 LAB, 03:00pm-04:50pm T, Room TBA; Carlson, Robert M, 1 cr
87256 001 LEC, 01:00pm-01:50pm MWF, Engr 118; Sternberg, Steven PK, 3 cr	83406 031 LAB, 02:00pm-04:50pm W, SSB 131, 5 cr 032 DIS, 12:00pm-12:50pm Th, Chem 150	88546 006 LAB, 03:00pm-04:50pm W, SSB 228; Carlson, Robert M, 1 cr
5022 Transport Processes in Wells and Pipelines (A-F only; prereq 3111, 3112 or Gradstudent or instr consent)	83410 033 LAB, 02:00pm-04:50pm W, SSB 133, 5 cr 034 DIS, 08:00am-08:50am Th, SSB 143	88548 007 LAB, 09:00am-10:50am Th, SSB 232; Carlson, Robert M, 1 cr
87660 001 LAB, 05:00pm-06:15pm TTh, Engr 204; Hasan, Rashad, 3 cr	83414 035 LAB, 10:00am-12:50pm Th, SSB 129, 5 cr 036 DIS, 09:00am-09:50am Th, SSB 131	88550 008 LAB, 12:00pm-01:50pm Th, SSB 228; Carlson, Robert M, 1 cr
CHEMISTRY (Chem) Swenson College of Science & Engineering	83418 037 LAB, 10:00am-12:50pm Th, SSB 131, 5 cr 038 DIS, 08:00am-08:50am Th, SSB 145	88552 009 LAB, 03:00pm-04:50pm Th, SSB 228; Carlson, Robert M, 1 cr
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)	91188 039 LAB, 10:00am-12:50pm Th, SSB 133, 5 cr 040 DIS, 01:00pm-01:50pm Th, SSB 129	88554 010 LAB, 03:00pm-04:50pm Th, Room TBA; Carlson, Robert M, 1 cr
001 LEC, 08:00am-09:15am TTh, Chem 150; Meets with: 84506 CHEM 1102; Hinderliter, Anne	91190 041 LAB, 02:00pm-04:50pm Th, SSB 129, 5 cr 042 DIS, 12:00pm-12:50pm Th, DAdB 16A	2545 Organic Chemistry II Laboratory for B.S. Chemistry Majors (A-F only; prereq Credit will not be granted if credit has been received for: [2532], 2521 or (2541 and 2543), Concurrent registration is required (or allowed) in 2542) 88556 001 LAB, 03:00pm-04:50pm MW, SSB 232; Zhdankin, Viktor V.; Mereddy, Sangeeta; Carlson, Robert M, 2 cr
83324 002 LAB, 11:00am-12:50pm M, Chem 301; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009, 3-4 cr	91192 043 LAB, 02:00pm-04:50pm Th, SSB 131, 5 cr 044 DIS, 01:00pm-01:50pm Th, SSB 133	88558 002 LAB, 12:00pm-01:50pm TTh, SSB 232; Mereddy, Sangeeta; Carlson, Robert M; Zhdankin, Viktor V., 2 cr
83326 003 LAB, 03:00pm-04:50pm W, Chem 301; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 3-4 cr	91194 045 LAB, 02:00pm-04:50pm Th, SSB 133, 5 cr	91205 003 LAB, 03:00pm-04:50pm Th, SSB 232; Carlson, Robert M; Mereddy, Sangeeta; Zhdankin, Viktor V., 2 cr
83328 004 LAB, 02:00pm-03:50pm Th, Chem 301, 3-4 cr	1162 Honors: General Chemistry II (Credit will not be granted if credit has been received for: CHEM 1152, CHEM 2172; A-F only; prereq 1151 or 1161; meets HON req of Honors) 001 LEC, 12:00pm-12:50pm MTWTF, Chem 150; Nemykin, Viktor N.	3097 Internship in Chemistry (max crs 2; S-N; prereq 2521 or 2541 or 2223, chem or biochem/molecular biol majors and dept consent) 89018 001 IEX, 1-2 cr
84506 010 LEC, 08:00am-09:15am TTh, Chem 150; Meets with: 83322 CHEM 1102; Hinderliter, Anne, 3-4 cr	83470 003 LAB, 02:00pm-04:50pm M, SSB 145, 5 cr 004 DIS, 09:00am-09:50am T, SSB 228	3194 Chemistry Undergraduate Research (max crs 30; 10 repeats allowed; S-N only; prereq dept consent) 83604 001 IND, 1-3 cr
1114 Introduction to General, Organic, and Biological Chemistry II (A-F only; prereq 1113)	83474 005 LAB, 02:00pm-04:50pm T, SSB 145, 5 cr 006 DIS, 08:00am-08:50am T, SSB 143	3322 Biochemistry (Credit will not be granted if credit has been received for: CHEM 2521; A-F only; prereq 2522 or 2532 or 2542, Concurrent registration is required (or allowed) in 3324) 83492 001 LEC, 12:00pm-12:50pm MWF, Chem 200; Mereddy, Sangeeta, 3 cr
001 LEC, 08:00am-09:50am TTh, KPlz 385; Gute, Brian D	83478 007 LAB, 10:00am-12:50pm Th, SSB 145, 5 cr	3324 Biochemistry Laboratory (A-F only; prereq 2522 or 2532 or 2542, Concurrent registration is required (or allowed) in 3322) 84394 001 LAB, 02:00pm-04:50pm M, SSB 244; Johnson, Joseph L., 1 cr
83072 002 LAB, 03:00pm-04:50pm Th, SSB 226, 5 cr	1191 Independent Study (max crs 4; 4 repeats allowed; A-F only; prereq dept consent) 83598 001 IND, 1-2 cr	84396 002 LAB, 09:00am-11:50am T, Chem 232; Minor, Elizabeth C, 1 cr
1151 General Chemistry I (A-F only; prereq=[1161 or 2172], One year high school chem, high school algebra, Math ACT 21 or higher or a grade of at least C- in Math 1005, SCSE student or student in exercise science or athletic training or teaching life science or teaching earth and space science or teaching physical science; meets LE req of LE CAT4)	2222 Quantitative Analysis (A-F only; prereq 1152 or 1162, Concurrent registration is required (or allowed) in 2223) 83488 001 LEC, 10:00am-10:50am MWF, LSci 175; Minor, Elizabeth C, 3 cr	84398 003 LAB, 02:00pm-04:50pm T, Chem 232; Minor, Elizabeth C, 1 cr
001 LEC, 01:00pm-01:50pm MWThF, Chem 200; Gute, Brian D	2223 Quantitative Analysis Laboratory (A-F only; prereq 1152 or 1162, Concurrent registration is required (or allowed) in 2222) 87114 001 LAB, 02:00pm-04:50pm M, Chem 232; Minor, Elizabeth C, 1 cr	84399 004 LAB, 09:00am-11:50am W, SSB 244; Johnson, Joseph L., 1 cr
83082 003 LAB, 10:00am-12:50pm M, SSB 143, 5 cr 006 DIS, 01:00pm-01:50pm T, SSB 129	84930 002 LAB, 09:00am-11:50am T, Chem 232; Minor, Elizabeth C, 1 cr	84400 004 LAB, 02:00pm-04:50pm W, SSB 244; Johnson, Joseph L., 1 cr
83090 007 LAB, 02:00pm-04:50pm M, SSB 143, 5 cr 008 DIS, 12:00pm-12:50pm W, SSB 143	84932 003 LAB, 02:00pm-04:50pm T, Chem 232; Minor, Elizabeth C, 1 cr	89024 005 LAB, 09:00am-11:50am Th, SSB 244, 1 cr
83094 009 LAB, 09:00am-11:50am T, SSB 143, 5 cr 012 DIS, 01:00pm-01:50pm T, SSB 143	84934 004 LAB, 02:00pm-04:50pm W, Chem 232; Minor, Elizabeth C, 1 cr	3432 Descriptive Inorganic Chemistry (A-F only; prereq (2222 and 2223) or 2242 and 2542 and (2544 or 2545 or 2522 or 2532)) 92275 001 LEC, 04:00pm-05:40pm W, Chem 251; Kiprof, Paul, 2 cr
84762 013 LAB, 02:00pm-04:50pm T, SSB 143, 5 cr 014 DIS, 01:00pm-01:50pm T, SSB 131	84936 005 LAB, 09:00am-11:50am Th, Chem 232; Minor, Elizabeth C, 1 cr	
84916 015 LAB, 10:00am-12:50pm W, SSB 143, 5 cr 018 DIS, 12:00pm-12:50pm T, SSB 145	87116 006 LAB, 02:00pm-04:50pm Th, Chem 232; Minor, Elizabeth C, 1 cr	
85460 019 LAB, 02:00pm-04:50pm W, SSB 143, 5 cr 022 DIS, 12:00pm-12:50pm T, SSB 226	2541 Organic Chemistry I (A-F only; prereq Credit will not be granted if credit has been received for: [2521, CHE 3231, ENGR 2110], 1152 or 1162, Concurrent registration is required (or allowed) in 2543) 88524 001 LEC, 11:00am-11:50am MWF, Chem 150; Grundt, Peter, 3 cr	
86354 023 LAB, 02:00pm-04:50pm Th, SSB 143, 5 cr 024 DIS, 01:00pm-01:50pm T, SSB 226	2542 Organic Chemistry II (A-F only; prereq Credit will not be granted if credit has been received for: [2522, 2532], 2521 or 2541, Concurrent registration is required (or allowed) in 2544 or Concurrent registration is required (or allowed) in 2545) 88534 001 LEC, 01:00pm-01:50pm MWF, LSci 175; Zhdankin, Viktor V., 3 cr	

4185 Undergraduate Seminar II (S-N only; prereq 4184)	86584 001 SEM, 02:00pm-04:05pm F, Chem 150; Kiprof, Paul, 1 cr	8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))	3170 Coaching and Officiating Football (A-F only; prereq Coaching minor or instr consent)
4242 Instrumental Analysis (A-F only; prereq 2222, 4632 or 4634 or 4642, Concurrent registration is required (or allowed) in 4363)	84078 001 LEC, 01:00pm-01:50pm MWF, Engr 177; Evans, John F, 3 cr	84570 001 THE, 1-6 cr	90495 001 LEC, 06:00pm-07:50pm W, SpHC 210; , 2 cr
4243 Instrumental Chemistry Laboratory (A-F only; prereq 2223, Concurrent registration is required (or allowed) in 4242)	84938 001 LAB, 02:00pm-04:50pm MW, Chem 342; Evans, John F, 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))	3172 Coaching and Officiating Volleyball (A-F only; prereq Coaching minor or instr consent)
86202 002 LAB, 09:00am-11:50am TTh, Chem 342; Evans, John F, 2 cr	84586 001 THE, 1-18 cr	87796 001 LEC, 06:00pm-07:50pm M, SpHC 210, 06:00pm-07:50pm M, SpHC 150; , 2 cr	3991 Independent Study (A-F only; prereq Coaching minor and instr consent)
4352 Biochemistry II (Credit will not be granted if credit has been received for: PHAR 6152; A-F only; prereq 4351)	84622 001 THE, 1-24 cr	83962 001 IND; Knapp, Jim L, 2 cr	3997 Coaching Practicum (S-N; prereq Coaching minor and instr consent)
87238 001 LEC, 08:00am-08:50am MWF, Chem 200; Rumbley, Jon N, 3 cr		83042 001 PRC; Knapp, Jim L, 2 cr	
4642 Physical Chemistry II (A-F only; prereq 4641, Concurrent registration is required (or allowed) in 4644)			
83594 001 LEC, 10:00am-10:50am MWF, KPlz 312; Siders, Paul D, 3 cr			
4644 Physical Chemistry Laboratory II (A-F only; prereq 4643, Concurrent registration is required (or allowed) in 4642)			
84940 001 LAB, 02:00pm-04:50pm T, Chem 342; Siders, Paul D, 1 cr			
85864 002 LAB, 02:00pm-04:50pm Th, Chem 342; Siders, Paul D, 1 cr			
5150 Organic and Stable Isotope Biogeochemistry (A-F only; prereq Chem 1152 or 1162 or instr consent, Geol 1110 or 2610 or instr consent, Biol 1012 or instr consent, upper level undergrad or grad standing in the sciences or engineering or instr consent, Chem 2222 or 2212 or 2242, and 2521 or 2541 (recommended))			
88564 001 LEC; Class meets in RLB 202., 3 cr			
5624 Advanced Physical Chemistry I (A-F only; prereq 4642 or equivalent or Grad student)			
92276 001 LEC; Tsai, Bilin Paula, 3 cr			
5650 Computational Chemistry (A-F only; prereq 4642 or equivalent or Grad student)			
87118 001 LEC; Siders, Paul D; Nemykin, Viktor N., 3 cr			
5994 Directed Research in Chemistry (max crs 9; 3 repeats allowed; prereq Min 90 cr or Grad in the sciences or engineering or instr consent)			
85712 001 DRS, 1-3 cr			
8184 Seminar (S-N only; prereq Grad chem major or instr consent)			
83642 001 SEM, 03:00pm-04:05pm F, SCC 120; Kiprof, Paul, 1 cr			
8224 Advanced Analytical Chemistry II (A-F only; prereq 5725)			
87508 001 LEC, 4 cr			
8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)			
82512 001 DRS, 1 cr			
8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)			
84550 001 DRS, 1 cr			
8524 Advanced Organic Chemistry II (A-F only; prereq 5524)			
86656 001 LEC; Mereddy, Venkatram R, 4 cr			

COLLEGE OF LIBERAL ARTS (CLA)

College of Liberal Arts

1101 Leader(ship) Ethics (A-F; prereq Credit will not be granted if credit has been received for: Comm 3510 or Phil 1003 or Phil 3281)	88922 001 LEC, 06:00pm-08:30pm T, BohH 108; Pepper, Gerald Lee, 3 cr
2102 Leader(ship): Theory and Practice (A-F; prereq Min 30 cr.; Credit will not be granted if credit has been received for: Comm 2200 or Mgt 4431 or MAPL 5307)	88916 001 LEC, 04:00pm-05:15pm TTh, SpHC 208; Pedersen, Paula Jean, 3 cr
92588 002 LEC, 05:00pm-07:30pm M, MonH 108; Imsande, Jennifer, 3 cr	

COMMUNICATION (Comm)

College of Liberal Arts

1000 Human Communication Theory (A-F only; meets LE req of LE CAT3)	83002 001 LEC, 11:00am-11:50am MWF, BohH 90; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Goei, Ryan Christopher, 3 cr
90659 090 LEC, 06:00pm-08:30pm T, ABAH 445; 9 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Sunnafrank, Michael J, 3 cr	
1112 Public Speaking (Credit will not be granted if credit has been received for: COMM 1511; A-F only; meets LE req of LE CAT3)	83010 001 LEC, 08:00am-08:50am MWF, ABAH 435; Hansen, John Francis, 3 cr
83012 002 LEC, 09:00am-09:50am MWF, ABAH 435; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Hansen, John Francis, 3 cr	83014 003 LEC, 10:00am-10:50am MWF, ABAH 435; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Blais, Angela Lynn, 3 cr
83014 003 LEC, 10:00am-10:50am MWF, ABAH 435; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Blais, Angela Lynn, 3 cr	83016 004 LEC, 11:00am-11:50am MWF, ABAH 435; Blais, Angela Lynn, 3 cr
83018 005 LEC, 12:00pm-12:50pm MWF, ABAH 435; Hoffman, Jill, 3 cr	83020 006 LEC, 01:00pm-01:50pm MWF, ABAH 435; Hansen, John Francis, 3 cr
83022 007 LEC, 02:00pm-02:50pm MWF, ABAH 435; Hoffman, Jill, 3 cr	84332 009 LEC, 11:00am-11:50am MWF, ABAH 425; Austin, Beth C., 3 cr
84330 008 LEC, 03:30pm-05:50pm M, ABAH 435; Vucetich, Trista, 3 cr	84334 010 LEC, 06:00pm-08:30pm M, ABAH 435; Farrell, Jean E, 3 cr
84332 009 LEC, 11:00am-11:50am MWF, ABAH 425; Austin, Beth C., 3 cr	84336 011 LEC, 08:00am-09:15am TTh, ABAH 435; Titus, Barb, 3 cr
84334 010 LEC, 06:00pm-08:30pm M, ABAH 435; Farrell, Jean E, 3 cr	84500 012 LEC, 09:30am-10:45am TTh, ABAH 435; Reiersen, Jennifer Lynn, 3 cr
84336 011 LEC, 08:00am-09:15am TTh, ABAH 435; Titus, Barb, 3 cr	86742 013 LEC, 12:30pm-01:45pm TTh, ABAH 435; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Titus, Barb, 3 cr
84500 012 LEC, 09:30am-10:45am TTh, ABAH 435; Reiersen, Jennifer Lynn, 3 cr	90661 014 LEC, 03:30pm-04:45pm TTh, ABAH 435; Carlson, Kristin Hope, 3 cr
86742 013 LEC, 12:30pm-01:45pm TTh, ABAH 435; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Titus, Barb, 3 cr	
90661 014 LEC, 03:30pm-04:45pm TTh, ABAH 435; Carlson, Kristin Hope, 3 cr	

90662	015 LEC, 05:00pm-07:30pm T, ABAH 435; Reiersen, Jennifer Lynn, 3 cr	3116	Professional Communication (A-F only; prereq 1112, 2505)	64394	Directed Research in Communication (max crs 6; 8 repeats allowed; A-F only; prereq Min 60 cr, comm major, instr consent; may not be applied to elective cr for comm major or minor)
84942	090 LEC, 06:00pm-08:30pm M, ABAH 445; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 5 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; , 3 cr	83038	001 LEC, 02:00pm-03:15pm TTh, ABAH 435; Carlson, Kristin Hope, 3 cr	84774	001 DRS; Nelson, Elizabeth Jean, 1-3 cr
1222	Interpersonal Communication (A-F only; meets LECD req of LECD CAT03)	3200	Interpersonal Communication Theory (A-F only; prereq 1000 or 1222)	4397	Internship in Communication (max crs 8; 8 repeats allowed; S-N only; prereq Min 79 cr, comm major/minor (20 cr. in major), 2.50 GPA in major/minor; no Grad School cr)
83024	001 LEC, 08:00am-08:50am MWF, ABAH 445; Blais, Angela Lynn, 3 cr	85954	001 LEC, 11:00am-12:15pm TTh, ABAH 425; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Feng, Hairong, 3 cr	83040	001 IEX; Carlson, Kristin Hope, 1-8 cr
83026	002 LEC, 09:00am-09:50am MWF, ABAH 425; Blais, Angela Lynn, 3 cr	90673	002 LEC, 02:00pm-04:25pm Th, ABAH 445; Sunnafrank, Michael J, 3 cr	4399	Directed Projects in Communication (max crs 6; 6 repeats allowed; S-N; prereq Min 60 cr, comm major, instr consent; may not be applied to elective cr for comm major or minor; no Grad School cr)
83028	003 LEC, 12:00pm-12:50pm MWF, ABAH 425; Hansen, John Francis, 3 cr	3205	Relationship Communication (A-F only; prereq 1222)	84776	001 DST; Nelson, Elizabeth Jean, 1-3 cr
83030	004 LEC, 01:00pm-03:20pm M, ABAH 425; Vucetich, Trista, 3 cr	87568	001 LEC, 08:00am-09:15am TTh, ABAH 425; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Feng, Hairong, 3 cr	4500	History of Rhetoric (A-F only; prereq 1112 or instr consent; no Grad School cr)
83032	005 LEC, 01:00pm-03:20pm W, ABAH 425; Farrell, Jean E, 3 cr	3215	Conflict Management (A-F only; prereq Min 30 cr or instr consent)	85104	001 LEC, 02:00pm-04:25pm T, ABAH 445; Gore, David Charles, 3 cr
84338	006 LEC, 02:00pm-02:50pm MWF, ABAH 445; Austin, Beth C., 3 cr	86104	001 LEC, 01:00pm-03:30pm F, ABAH 425; Vucetich, Trista, 3 cr	4505	Media Theory and Research (A-F only; prereq 1500 or 2101, min 60 cr or instr consent; no Grad School cr)
84340	007 LEC, 03:00pm-03:50pm MWF, ABAH 445; Hoffman, Jill, 3 cr	91290	002 LEC, 04:00pm-06:30pm W, ABAH 435; Vucetich, Trista, 3 cr	87574	001 LEC, 09:30am-10:45am TTh, ABAH 425; Boyson PhD, Aaron Robert, 3 cr
84342	008 LEC, 04:00pm-05:15pm MW, ABAH 445, 3 cr	3300	Teaching Assistantship in Communication (max crs 6; 6 repeats allowed; S-N only; prereq Min 60 cr, Comm major or minor, instr consent, may not be applied to elective cr for a Comm major or minor)		
84502	009 LEC, 08:00am-09:15am TTh, ABAH 445; Reiersen, Jennifer Lynn, 3 cr	92370	001 PRC; Nelson, Elizabeth Jean, 1-3 cr		
84504	010 LEC, 02:00pm-03:15pm TTh, ABAH 425; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Titus, Barb, 3 cr	3310	Research Assistant in Communication (max crs 18; 6 repeats allowed; S-N only; prereq instr consent)		
84816	011 LEC, 04:30pm-05:45pm TTh, ABAH 445; Titus, Barb, 3 cr	87890	001 IND, 1-3 cr		
84944	090 LEC, 06:00pm-08:30pm Th, ABAH 425; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 7 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Carlson, Kristin Hope, 3 cr	3395	Special Topics: (Various Titles to be Assigned) (max crs 9; 3 repeats allowed; A-F only)		
1625	Philosophy and Rhetoric (A-F only)	90717	001 LEC, 12:00pm-12:50pm MWF, ABAH 445; de Souza, Rebecca, 3 cr; T: Health Campaigns		
90694	001 LEC, 11:00am-12:15pm TTh, ABAH 435; Gore, David Charles, 3 cr	3400	Health Communication (A-F)		
2025	Communication Inquiry: Rhetorical and Historical Methods (A-F only)	90992	001 LEC, 08:00am-08:50am MWF, ABAH 425; de Souza, Rebecca, 3 cr		
87882	001 LEC, 10:00am-10:50am MWF, ABAH 245; Pfau, Michael William, 3 cr	3505	Media Communications (A-F only; prereq Comp 1120)		
2030	Communication Inquiry: Social Scientific Methods (A-F only)	84696	090 LEC, 06:00pm-08:30pm T, ABAH 425; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 5 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Petersen-Perlman, Deborah Susan, 3 cr		
87884	001 LEC, 03:30pm-04:45pm TTh, Engr 204; Downs, Edward Paul, 3 cr	3510	Ethics in Human Communication (A-F only; prereq 1112, Credit will not be granted if credit has been received for: CLA 1101)		
2101	Foundations of Mass Communication (A-F only; meets LE req of LE CAT8)	90718	090 LEC, 06:00pm-08:30pm M, ABAH 425; 5 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Nelson, Elizabeth Jean, 3 cr		
91291	001 LEC, 01:00pm-01:50pm MWF, SpHC 210; Austin, Beth C., 3 cr	3525	Deciding What's News (A-F only)		
2102	Media Effects (A-F only; meets LE req of LE CAT8)	90719	001 LEC, 12:30pm-01:45pm TTh, ABAH 425; Petersen-Perlman, Deborah Susan, 3 cr		
88578	001 LEC, 10:00am-10:50am MWF, ABAH 445; (Open CE reserved seats will be available to UMD students on January 15, 2008.); de Souza, Rebecca, 3 cr	3560	Video Game Entertainment (A-F only)		
88580	002 LEC, 11:00am-12:15pm TTh, ABAH 445; Boyson PhD, Aaron Robert, 3 cr	90720	001 LEC, 12:30pm-01:45pm TTh, ABAH 445; Downs, Edward Paul, 3 cr		
2505	Analysis of Public Discourse (A-F only; prereq 1112)	3605	Public Relations (A-F only)		
86744	001 LEC, 11:00am-11:50am MWF, ABAH 445; Pfau, Michael William, 3 cr	91292	001 LEC, 05:00pm-07:30pm Th, ABAH 435; Reiersen, Jennifer Lynn, 3 cr		
87072	002 LEC, 09:30am-10:45am TTh, ABAH 445; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Gore, David Charles, 3 cr	3612	Rhetorical Criticism (A-F only; prereq 1112, min 60 cr)		
2929	Intercultural Communication (meets LEIP req of LEIP CAT06)	91257	090 LEC, 06:00pm-08:30pm W, ABAH 445; 5 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Pfau, Michael William, 3 cr		
84842	001 LEC, 06:00pm-09:40pm Th, ABAH 445; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Sunnafrank, Michael J, 4 cr	3700	Interpersonal Influence (A-F only)		
3115	Persuasion and Argumentation in Public Speaking (A-F only; prereq 1112, 2505)	87886	001 LEC, 09:00am-09:50am MWF, ABAH 445; Goei, Ryan Christopher, 3 cr		
85042	001 LEC, 04:00pm-05:15pm MW, ABAH 425; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Nelson, Elizabeth Jean, 3 cr	90674	002 LEC, 01:00pm-01:50pm MWF, ABAH 445; Goei, Ryan Christopher, 3 cr		

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

1100	Phonetics (meets LE req of LE CAT3)
82502	001 LEC, 01:00pm-01:50pm MW, Engr 290, 2 cr
2230	Human Communication Disorders (meets LECD req of LECD CAT08)
82504	001 LEC, 09:30am-10:45am TTh, Chem 150; Carlson, Lynette Rene; Hyppa Martin, Jolene K; Brorson, Kent R; Collins, Dana Rose; Loven, Faith C; Spillers PhD, Cindy S, 3 cr
87550	002 LEC; This course will be entirely online using Web CT Vista. An email will be sent to you prior to the starting date with directions on how you can log into the course. The text for this course is available through the UMD bookstore (218-726-7286). This course is not an independent study but follows the semester schedule with weekly assignments, activities and/or quizzes.; Hyppa Martin, Jolene K, 3 cr
3160	Fundamentals of Hearing Science (A-F; prereq 3103, CSD candidate or instr consent)
85450	001 LEC, 10:00am-10:50am MWF, MonH 30; Loven, Faith C, 3 cr
3232	Language Disorders (A-F only; prereq 3131, CSD candidate or instr consent)
85452	001 LEC, 02:00pm-03:15pm TTh, MonH 30; Brorson, Kent R, 3 cr
3241	Foundations of Treatment in Communication Disorders (A-F only; prereq 3103, 3131, 3150, 3200, CSD candidate or instr consent)
85454	001 LEC, 09:00am-09:50am MWF, MonH 30; Carlson, Lynette Rene, 3 cr
4010	Portfolio Development (A-F only; prereq CSD candidate or instr consent, no Grad School cr)
88050	001 LEC, 11:00am-11:50am T, MonH 30; Godsey, Shannon Rose, 1 cr
4197	Clinical Practicum in Communication Disorders (A-F; prereq 3241 with C grade or better, CSD candidate or instr consent, no Grad School cr)
85808	001 PRC, 08:00am-08:50am F, MonH 203; Meets with: 90657 CSD 8097, 85456 CSD 4297; Carlson, Lynette Rene; John, Lynda Barker; Godsey, Shannon Rose; Ray, Julie A.S.; Schaefer, Susan Elizabeth; Brorson, Kent R; Spillers PhD, Cindy S; Hyppa Martin, Jolene K; Collins, Dana Rose; Mizuko, Mark I, 3 cr

4200 Introduction to Fluency Disorders
(A-F only; prereq 2230, CSD candidate or instr consent, no Grad School cr)

82658 001 LEC, 11:00am-11:50am MWF, MonH 30; Spillers PhD, Cindy S, 3 cr

4297 Advanced Clinical Practicum in Communication Disorders
(A-F only; prereq 4197 with C grade or better, CSD candidate or instr consent, no Grad School cr)

85456 001 PRC, 08:00am-08:50am F, MonH 203; Meets with: 85808 CSD 4197, 90657 CSD 8097; Carlson, Lynette Rene; John, Lynda Barker; Godsey, Shannon Rose; Ray, Julie A.S.; Schaefer, Susan Elizabeth; Brorson, Kent R.; Spillers PhD, Cindy S; Hyppa Martin, Jolene K; Collins, Dana Rose; Mizuko, Mark I, 3 cr

5091 Independent Study
(max crs 6; 6 repeats allowed; prereq CSD candidate with 90 cr or CSD Grad student)

83820 001 IND, 05:00pm-08:30pm Th, MonH 30, 1-3 cr

5240 Dementia: Communication Impairment and Management
(max crs 2; A-F; prereq CSD candidate or CSD Grad or instr consent)

87906 001 SEM, 01:00pm-01:50pm Th, MonH 30; Hyppa Martin, Jolene K, 1-2 cr

5250 Seminar in Augmentative and Alternative Communication
(A-F; prereq CSD Grad School Student or instr consent)

92332 001 SEM, 01:00pm-01:50pm F, MonH 30; Mizuko, Mark I, 1 cr

5301 Language Disorders in Infants, Toddlers, and Preschoolers
(A-F only; prereq dept consent)

87588 001 SEM, 12:00pm-12:50pm TTh, MonH 30; Brorson, Kent R, 2 cr

5400 Rehabilitative Procedures for the Hard of Hearing
(A-F; prereq 4400, CSD candidate or CSD Grad or instr consent)

87044 001 LEC, 12:00pm-12:50pm MWF, MonH 30; Loven, Faith C, 3 cr

8097 Internship: Communication Disorders
(max crs 12; 12 repeats allowed; A-F; prereq Can apply max 4 cr to a Graduate School program. 25 hrs supervised clinical observation, CSD Grad student or instr consent)

90657 001 IEX, 08:00am-08:50am F, MonH 203; Meets with: 85456 CSD 4297, 85808 CSD 4197; Carlson, Lynette Rene; John, Lynda Barker; Godsey, Shannon Rose; Ray, Julie A.S.; Schaefer, Susan Elizabeth; Brorson, Kent R.; Spillers PhD, Cindy S; Hyppa Martin, Jolene K; Collins, Dana Rose; Mizuko, Mark I, 1-3 cr

8099 Projects in Communication Disorders
(A-F; prereq CSD Grad student or instr consent)

82660 001 DRS; Mizuko, Mark I; Collins, Dana Rose; Brorson, Kent R; Spillers PhD, Cindy S, 2 cr

8197 Externship: Communication Disorders
(A-F; prereq 8097, CSD Grad student or instr consent)

90658 001 IEX, 01:00pm-01:50pm T, MonH 30; This class will meet each week prior to leaving for your externship.; Carlson, Lynette Rene, 4 cr

8205 Advanced Fluency Disorders
(prereq 4200 or equiv, CSD Grad student or instr consent)

87046 001 LEC, 03:00pm-04:15pm MW, MonH 30; Spillers PhD, Cindy S, 3 cr

8231 Neurogenic Speech Disorders
(prereq CSD Grad student or instr consent)

84996 001 LEC, 08:00am-09:15am TTh, MonH 30; Collins, Dana Rose, 3 cr

8297 Audiology Practicum
(max crs 4; 4 repeats allowed; S-N; prereq 5400, 8400, CSD grad student or instr consent; Cannot apply more than 2 cr to a Graduate School program)

90660 001 PRC; Loven, Faith C, 1-2 cr

COMPUTER SCIENCE (CS)
Swenson College of Science & Engineering

1011 Introduction to Computers and Software
(Credit will not be granted if credit has been received for: FMIS 2201; A-F only; prereq 1 yr high school algebra, WRIT 1120 or instr consent; meets LE req of LE CAT3)

001 LEC, 12:00pm-12:50pm TTh, SCC 120; Holtz, Steven J

85430 002 LAB, 09:00am-09:50am F, MWAH 177; Holtz, Steven J, 3 cr

85432 003 LAB, 10:00am-10:50am F, MWAH 177; Holtz, Steven J, 3 cr

85434 004 LAB, 11:00am-11:50am F, MWAH 177; Holtz, Steven J, 3 cr

86934 005 LAB, 12:00pm-12:50pm F, MWAH 177; Holtz, Steven J, 3 cr

86936 006 LAB, 01:00pm-01:50pm F, MWAH 177; Holtz, Steven J, 3 cr

87762 007 LAB, 02:00pm-02:50pm F, MWAH 177; Holtz, Steven J, 3 cr

87764 008 LAB, 3 cr

090 LEC; (Open CE reserved seats will be available to UMD students on January 15, 2008.)

84948 091 LAB; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 5 seats reserved for Continuing Education - EXPIRES 13-JAN-2009, 3 cr

1121 Introduction to Programming in Visual BASIC.NET
(Credit will not be granted if credit has been received for: FMIS 2225; A-F only; prereq 1 yr high school algebra or instr consent; meets LE req of LE CAT3)

001 LEC, 08:00am-08:50am TTh, LSci 175; Allert, James Donald

85084 002 LAB, 09:00am-09:50am W, MWAH 177; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Allert, James Donald, 3 cr

85086 003 LAB, 10:00am-10:50am W, MWAH 177; Allert, James Donald, 3 cr

85088 004 LAB, 11:00am-11:50am W, MWAH 177; Allert, James Donald, 3 cr

87698 005 LAB, 12:00pm-12:50pm W, MWAH 177; Allert, James Donald, 3 cr

87766 006 LAB, 01:00pm-01:50pm W, MWAH 177; Allert, James Donald, 3 cr

90523 007 LAB, 02:00pm-02:50pm W, MWAH 177; Allert, James Donald, 3 cr

90522 008 LAB, 03:00pm-03:50pm W, MWAH 177; Allert, James Donald, 3 cr

1301 Introduction to 3D Game Development: Learning to Program Computers by Creating Video Games
(A-F only; meets LE req of LE CAT3)

001 LEC, 03:30pm-04:45pm TTh, HH 216; Holtz, Steven J

87286 002 LAB, 04:00pm-04:50pm M, MWAH 177; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Holtz, Steven J, 4 cr

87288 003 LAB, 05:00pm-05:50pm M, MWAH 177; Holtz, Steven J, 4 cr

87778 004 LAB, 06:00pm-06:50pm M, MWAH 177; Holtz, Steven J, 4 cr

87776 005 LAB, 07:00pm-07:50pm M, MWAH 177; Holtz, Steven J, 4 cr

87774 006 LAB, 4 cr

87772 007 LAB, 4 cr

87770 008 LAB, 4 cr

1511 Computer Science I
(Credit will not be granted if credit has been received for: CS 1211, CS 1581; A-F only; prereq 3 1/2 yrs high school math or instr consent; meets LE req of LE CAT3)

001 LEC, 11:00am-11:50am MWF, MWAH 195; Allert, James Donald

002 DIS, 08:00am-08:50am Th, MWAH 175; Allert, James Donald

83148 003 LAB, 08:00am-08:50am T, MWAH 177; Allert, James Donald, 5 cr

004 DIS, 09:00am-09:50am Th, MWAH 175; Allert, James Donald

83152 005 LAB, 09:00am-09:50am T, MWAH 177; Allert, James Donald, 5 cr

006 DIS, 10:00am-10:50am Th, MWAH 175; Allert, James Donald

83156 007 LAB, 10:00am-10:50am T, MWAH 177; Allert, James Donald, 5 cr

008 DIS, 11:00am-11:50am Th, MWAH 175; Allert, James Donald

84082 009 LAB, 11:00am-11:50am T, MWAH 177; Allert, James Donald, 5 cr

010 DIS, 12:00pm-12:50pm Th, MWAH 175; Allert, James Donald

84766 011 LAB, 12:00pm-12:50pm T, MWAH 177; Allert, James Donald, 5 cr

012 DIS, 01:00pm-01:50pm Th, MWAH 175; Allert, James Donald

85098 013 LAB, 01:00pm-01:50pm T, MWAH 177; Allert, James Donald, 5 cr

014 DIS, 02:00pm-02:50pm Th, MWAH 175; Allert, James Donald

86464 015 LAB, 02:00pm-02:50pm T, MWAH 177, 5 cr

016 DIS, 03:00pm-03:50pm Th, MWAH 175; Allert, James Donald

87780 017 LAB, 03:00pm-03:50pm T, MWAH 177; Allert, James Donald, 5 cr

1521 Computer Science II
(Credit will not be granted if credit has been received for: CS 2111; A-F only; prereq 1511 or 1581)

001 LEC, 03:00pm-03:50pm MWF, LSci 175; Holtz, Steven J

002 DIS, 08:00am-08:50am T, MWAH 175; Holtz, Steven J

86466 003 LAB, 08:00am-08:50am Th, MWAH 177; Holtz, Steven J, 5 cr

004 DIS, 09:00am-09:50am T, MWAH 175; Holtz, Steven J

83166 005 LAB, 09:00am-09:50am Th, MWAH 177; Holtz, Steven J, 5 cr

006 DIS, 10:00am-10:50am T, MWAH 175; Holtz, Steven J

83170 007 LAB, 10:00am-10:50am Th, MWAH 177; Holtz, Steven J, 5 cr

008 DIS, 11:00am-11:50am T, MWAH 175; Holtz, Steven J

83174 009 LAB, 11:00am-11:50am Th, MWAH 177; Holtz, Steven J, 5 cr

010 DIS, 12:00pm-12:50pm T, MWAH 175; Holtz, Steven J

84086 011 LAB, 12:00pm-12:50pm Th, MWAH 177; Holtz, Steven J, 5 cr

012 DIS, 01:00pm-01:50pm T, MWAH 175; Holtz, Steven J

84090 013 LAB, 01:00pm-01:50pm Th, MWAH 177; Holtz, Steven J, 5 cr

014 DIS, 02:00pm-02:50pm T, MWAH 175

86470 015 LAB, 02:00pm-02:50pm Th, MWAH 177, 5 cr

016 DIS, 03:00pm-03:50pm T, MWAH 175; Holtz, Steven J

86940 017 LAB, 03:00pm-03:50pm Th, MWAH 177; Holtz, Steven J, 5 cr

2121 Introduction to Programming in Java
(A-F only; prereq 3 yrs high school math, or instr consent; meets LE req of LE CAT3)

001 LEC, 11:00am-11:50am TTh, SCC 120; 13 seats reserved for Continuing Education; Allert, James Donald

84010 002 LAB, 09:00am-09:50am M, MWAH 177; Allert, James Donald, 3 cr

85078 003 LAB, 10:00am-10:50am M, MWAH 177; Allert, James Donald, 3 cr

85080 004 LAB, 01:00pm-01:50pm M, MWAH 177; Allert, James Donald, 3 cr

85124 005 LAB, 02:00pm-02:50pm M, MWAH 177; Allert, James Donald, 3 cr

90527 006 LAB, 03:00pm-03:50pm M, MWAH 177; Allert, James Donald, 3 cr

2511 Software Analysis and Design
(prereq 1521 or instr consent)

001 LEC, 09:30am-10:45am TTh, SCC 120; Colburn, Timothy Robert

002 DIS, 08:00am-08:50am F, MWAH 175; Colburn, Timothy Robert

83226 003 LAB, 08:00am-08:50am M, MWAH 177; Colburn, Timothy Robert, 4 cr

004 DIS, 12:00pm-12:50pm F, MWAH 175; Colburn, Timothy Robert

84410 005 LAB, 12:00pm-12:50pm M, MWAH 177; Colburn, Timothy Robert, 4 cr

2521	Computer Organization and Architecture (prereq 1521, ECE 1315, Math 1296 or instr consent) 001 LEC, 09:00am-09:50am MWF, HH 306; Prince, Christopher George	87832	004 LAB, 04:00pm-05:50pm W, HH 306; Crouch, Donald B, 4 cr	84598	007 THE; Turner, Hudson, 1-24 cr
83232	002 LAB, 08:00am-08:50am W, MWAH 177; Prince, Christopher George, 4 cr	87830	005 LAB, 06:00pm-07:50pm W, HH 306; Crouch, Donald B, 4 cr	84600	008 THE; Pedersen, Ted, 1-24 cr
83234	003 LAB, 08:00am-08:50am F, MWAH 177; Prince, Christopher George, 4 cr	87836	006 LAB, 4 cr	84602	009 THE; Prince, Christopher George, 1-24 cr
2991	Independent Study (max crs 8; 8 repeats allowed; prereq instr consent)	4821	Computer Security (A-F only; prereq Credit will not be granted if credit has been received for: [4711], (2511, 2521, 3511) or (2521, 3512) or instr consent.)	84834	010 THE; Willemsen, Peter J, 1-24 cr
84254	001 LEC; Maclin, Richard Frank, 1-4 cr	85520	001 LEC, 10:00am-10:50am MWF, HH 306, 03:00pm-03:50pm F, MWAH 177; Crouch, Carolyn J, 4 cr	86754	011 THE; , 1-24 cr
3111	Computer Ethics (A-F only; prereq Comp 3100 or 3110 or 3121 or 3130 or 3140 or 3150 or 3160 or Engr 4001, min 60 cr or instr consent)	4991	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq instr consent)		
86718	001 LEC, 09:00am-09:50am MWF, MWAH 175, 08:00am-08:50am W, MWAH 175; Shute, Gary M, 4 cr	84258	001 IND; Maclin, Richard Frank, 1-4 cr		
3221	Operating Systems Practicum (A-F only; prereq 3011 or instr consent, CIS majors only, min 60 cr)	4993	Seminar (A-F only; prereq 2511, Comm 1112, Comp 3130 or 3150, CS or CIS major and 90 cr; no Grad School cr)		
	001 LEC, 03:30pm-04:45pm TTh, HH 306; Pedersen, Ted	85142	001 SEM, 12:00pm-12:50pm MW, HH 306; Maclin, Richard Frank, 1 cr		
85132	002 LAB, 06:00pm-07:50pm Th, HH 306; Pedersen, Ted, 4 cr	4994	Honors Project (max crs 3; A-F only; prereq Consent of comp sci honors prog committee; meets HON req of Honors)		
85322	003 LAB, 05:00pm-06:50pm T, HH 306; Pedersen, Ted, 4 cr	84260	001 DRS; Colburn, Timothy Robert, 2-3 cr		
87810	005 LAB, 4 cr	5621	Computer Architecture (A-F only; prereq 2521 or instr consent)		
3512	Computer Science Theory (A-F only; prereq 1296 or 1596, CS 2511 or instr consent)		001 LEC, 02:00pm-03:15pm TTh, HH 306; Pedersen, Ted		
87556	001 LEC, 12:30pm-01:45pm TTh, HH 306, 03:00pm-03:50pm W, HH 306; Turner, Hudson, 4 cr	85962	002 LAB, 07:00pm-07:50pm T, MWAH 177; Pedersen, Ted, 4 cr		
3996	Internship in Computer Science (max crs 3; 3 repeats allowed; S-N only; prereq Comp sci jr, instr consent)	87838	003 LAB, 05:00pm-05:50pm T, MWAH 177; Pedersen, Ted, 4 cr		
84256	001 IEX; Colburn, Timothy Robert, 1-3 cr	5631	Operating Systems (A-F only; prereq 2511, 2521 or instr consent)		
4411	Data Communications and Network Technology (A-F only; prereq 3011 or instr consent, CIS majors only, min 60 cr)		001 LEC, 11:00am-11:50am MWF, HH 306; Prince, Christopher George		
	001 LEC, 10:00am-10:50am MWF, MWAH 175; Shute, Gary M	84408	002 LAB, 04:00pm-04:50pm Th, MWAH 177; 15 seats reserved for CS majors; Prince, Christopher George, 4 cr		
85136	002 LAB, 07:00pm-07:50pm T, HH 306; Shute, Gary M, 4 cr	85436	003 LAB, 05:00pm-05:50pm Th, MWAH 177; Prince, Christopher George, 4 cr		
87822	003 LAB, 05:00pm-05:50pm Th, HH 306; Shute, Gary M, 4 cr	90594	004 LAB, 06:00pm-06:50pm Th, MWAH 177; Prince, Christopher George, 4 cr		
87816	004 LAB, 12:00pm-12:50pm F, HH 306; Shute, Gary M, 4 cr	90593	005 LAB, 07:00pm-07:50pm Th, MWAH 177; Prince, Christopher George, 4 cr		
87818	005 LAB, 03:00pm-03:50pm F, HH 306; Shute, Gary M, 4 cr	5641	Compiler Design (A-F only; prereq (2511, 2521, 3511) or (2521, 3512) or instr consent)		
87820	006 LAB, 4 cr		001 LEC		
4511	Computability and Complexity (A-F only; prereq 3511 or 3512 or instr consent)	88574	002 LAB, 4 cr		
86942	001 LEC, 02:00pm-02:50pm MWF, HH 306, 03:00pm-03:50pm M, HH 306; Dunham, Douglas, 4 cr	5651	Computer Networks (A-F only; prereq 2511, 2521 or instr consent)		
4521	Algorithms and Data Structures (A-F only; prereq (2511, 3511) or 3512 or instr consent)		001 LEC, 01:00pm-01:50pm MWF, MWAH 175; Willemsen, Peter J		
	001 LEC, 01:00pm-01:50pm MWF, HH 306; Dunham, Douglas	86204	002 LAB, 07:00pm-07:50pm W, MWAH 177; Willemsen, Peter J, 4 cr		
85092	002 LAB, 06:00pm-06:50pm W, MWAH 177; Dunham, Douglas, 4 cr	5991	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq Instr consent)		
87824	003 LAB, 04:00pm-04:50pm W, MWAH 177; Dunham, Douglas, 4 cr	85998	001 IND; Maclin, Richard Frank, 1-4 cr		
87826	004 LAB, 05:00pm-05:50pm W, MWAH 177; Dunham, Douglas, 4 cr	8333	FTE: Master's (NGA; prereq Master s student, adviser and DGS consent)		
4531	Software Engineering (A-F only; prereq 2511 or instr consent)	82514	001 DRS, 1 cr		
	001 LEC, 11:00am-12:15pm TTh, HH 306; Colburn, Timothy Robert	8751	Advanced Machine Learning (A-F only; prereq 5751 or instr consent)		
85140	002 LAB, 06:00pm-06:50pm T, MWAH 177; Colburn, Timothy Robert, 4 cr	87840	001 LEC, 04:00pm-05:50pm MW, MWAH 175; Maclin, Richard Frank, 4 cr		
87828	003 LAB, 04:00pm-04:50pm T, MWAH 177; Colburn, Timothy Robert, 4 cr	8771	Advanced Computational Logic (A-F only; prereq 4511 or instr consent; Grad student)		
4611	Database Management Systems (A-F only; prereq 2511, 2521 or instr consent)		001 LEC, 04:00pm-05:50pm TTh, MWAH 175; Turner, Hudson, 4 cr		
	001 LEC, 09:30am-10:45am TTh, HH 306; Crouch, Donald B	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))		
86946	002 LAB, 06:00pm-07:50pm M, HH 306; Crouch, Donald B, 4 cr	84588	001 THE; Crouch, Donald B, 1-24 cr		
87834	003 LAB, 04:00pm-05:50pm M, HH 306; Crouch, Donald B, 4 cr	84590	002 THE; Dunham, Douglas, 1-24 cr		
		84592	003 THE; Crouch, Carolyn J, 1-24 cr		
		84594	005 THE; Shute, Gary M, 1-24 cr		
		84596	006 THE; Maclin, Richard Frank, 1-24 cr		

CONTINUING EDUCATION (CnEd)

Continuing Education

2535	Major and Career Exploration (A-F only; prereq Fewer than 45 credits or instr consent)	88680	090 LEC, 05:00pm-05:50pm TTh, Library 409; 5 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Olsen, Sonja M., 2 cr
89008	091 LEC, 05:00pm-07:00pm T, Cina 106; 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Holm, Susan Marie, 2 cr	3535	Strategic Career Planning (Credit will not be granted if credit has been received for: PSY 3535; max crs 3; A-F only; prereq Min 45 cr or instr consent, 2 cr option available if 2535 has been completed, [max 2 cr if completed 2535], 3 cr is required if cr has not been received for 2535)
88638	200 INI; (Individualized Instruction-16 week course - register anytime. Students must access initial course information at www.d.umn.edu/goto/ini . Click on "Getting Started After Registration" to begin. Open CE reserved sets will be available to UMD students on January 15, 2008. To register for 2 credits, students MUST have successfully completed CnEd 2535 Major and Career Exploration prior to registration. Students who have not successfully completed CnEd 2535 need to register for 3 credits.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Olsen, Nancy Heller, 2-3 cr	88640	201 INI; (Individualized Instruction-16 week course - register anytime. Students must access initial course information at www.d.umn.edu/goto/ini . Click on "Getting Started After Registration" to begin. Open CE reserved sets will be available to UMD students on January 15, 2008. To register for 2 credits, students MUST have successfully completed CnEd 2535 Major and Career Exploration prior to registration. Students who have not successfully completed CnEd 2535 need to register for 3 credits.); 2-3 cr
88642	202 INI; (Individualized Instruction-16 week course - register anytime. Students must access initial course information at www.d.umn.edu/goto/ini . Click on "Getting Started After Registration" to begin. Open CE reserved sets will be available to UMD students on January 15, 2008. To register for 2 credits, students MUST have successfully completed CnEd 2535 Major and Career Exploration prior to registration. Students who have not successfully completed CnEd 2535 need to register for 3 credits.); 2-3 cr	88644	203 INI; (Individualized Instruction-16 week course - register anytime. Students must access initial course information at www.d.umn.edu/goto/ini . Click on "Getting Started After Registration" to begin. Open CE reserved sets will be available to UMD students on January 15, 2008. To register for 2 credits, students MUST have successfully completed CnEd 2535 Major and Career Exploration prior to registration. Students who have not successfully completed CnEd 2535 need to register for 3 credits.); 2-3 cr

- 88646 204 INI; (Individualized Instruction-16 week course - register anytime. Students must access initial course information at www.d.umn.edu/goto/ini. Click on "Getting Started After Registration" to begin. Open CE reserved seats will be available to UMD students on January 15, 2008. To register for 2 credits, students MUST have successfully completed CnEd 2535 Major and Career Exploration prior to registration. Students who have not successfully completed CnEd 2535 need to register for 3 credits.), 2-3 cr
- 88648 205 INI; (Individualized Instruction-16 week course - register anytime. Students must access initial course information at www.d.umn.edu/goto/ini. Click on "Getting Started After Registration" to begin. Open CE reserved seats will be available to UMD students on January 15, 2008. To register for 2 credits, students MUST have successfully completed CnEd 2535 Major and Career Exploration prior to registration. Students who have not successfully completed CnEd 2535 need to register for 3 credits.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; O'Sullivan, Katherine S, 2-3 cr
- 88650 206 INI; (Individualized Instruction-16 week course - register anytime. Students must access initial course information at www.d.umn.edu/goto/ini. Click on "Getting Started After Registration" to begin. Open CE reserved seats will be available to UMD students on January 15, 2008. To register for 2 credits, students MUST have successfully completed CnEd 2535 Major and Career Exploration prior to registration. Students who have not successfully completed CnEd 2535 need to register for 3 credits.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Olsen, Sonja M., 2-3 cr

CRIMINOLOGY (CRIM)**College of Liberal Arts**

- 8230 Qualitative Research Methods**
(A-F)
- 92264 001 DIS, 05:00pm-07:45pm W, Cina 214; Gaarder, Emily, 3 cr
- 8295 Special Topics: (Various Titles to be Assigned)**
(max crs 8; A-F only; prereq Grad student or instr consent)
- 91320 001 SEM, 05:00pm-07:40pm T, H 468; Walls, Melissa Lynn, 3 cr
- 8300 Theories of Crime and Delinquency**
(A-F only; prereq Grad student or instr consent)
- 87250 001 LEC, 05:00pm-07:40pm Th, Cina 106; Arthur, John A, 3 cr
- 8600 Practicum in Criminology**
(max crs 15; 3 repeats allowed; S-N only; prereq Grad student or instr consent)
- 86528 001 FWK; Maahs, Jeffrey Robert, 1-15 cr
- 8777 Thesis Credits: Master's**
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
- 86530 001 THE; Maahs, Jeffrey Robert, 1-18 cr
- 8900 Directed Readings**
(max crs 6; 6 repeats allowed; A-F only; prereq Grad student or instr consent)
- 86532 001 DRD; Maahs, Jeffrey Robert, 1-6 cr

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

- 1101 Introduction to Cultural Studies**
(A-F only; meets LE req of LE CAT8)
- 86054 001 LEC, 10:00am-11:50am TTh, H 403; Varney, Joan Dee, 4 cr
- 91212 002 LEC, 03:30pm-06:00pm M, Cina 214, 03:30pm-05:00pm W, Cina 214; , 4 cr
- 3010 Popular Culture in the 1960s**
(A-F only; prereq Min 30 cr)
- 87104 001 LEC, 02:00pm-03:15pm TTh, H 403; Varney, Joan Dee, 3 cr

- 3030 Science Fiction**
(A-F only; prereq Min 30 cr)
- 85028 350 INI; (Online INI - 16 week course - register anytime. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Bacig, Thomas D, 3 cr
- 3040 The Music and Lives of the Beatles**
(A-F only; prereq Min 30 cr)
- 86864 350 INI; (Online INI - 16 week course - register anytime. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Gallian, Joseph A, 3 cr
- 4653 Cultural Studies Senior Seminar/Capstone**
(A-F only; prereq 1101, CSt minor, no Grad School cr)
- 85380 001 SEM, 11:00am-01:30pm F, Cina 214; Remaining 60 minutes are spent in a lab or on field trips.; Milun, Kathryn Ann, 4 cr
- 4691 Independent Study in Cultural Studies**
(max crs 8; A-F only; prereq instr consent)
- 85034 001 DRS; , 1-4 cr
- 4997 Teaching Assistant in Cultural Studies**
(max crs 3; 3 repeats allowed; A-F; prereq Min 60 cr, instr consent, no Grad School cr)
- 87712 001 LEC; , 1-3 cr

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

- 1111 Jazz Dance Technique I**
(max crs 8; 4 repeats allowed; A-F only; meets LE req of LE CAT10)
- 85442 001 STU, 01:30pm-02:40pm MWF, MPAC 155; Grussendorf, Kelly Ann, 2 cr
- 85870 002 STU, 04:00pm-05:45pm TTh, MPAC 155; Grussendorf, Kelly Ann, 2 cr
- 1131 Ballet Technique I**
(max crs 12; 6 repeats allowed; A-F only; meets LE req of LE CAT10)
- 82760 001 STU, 08:00am-09:45am TTh, MPAC 155; White, LilaAnn Coates, 2 cr
- 85024 002 STU, 10:00am-11:45am TTh, MPAC 155; White, LilaAnn Coates, 2 cr
- 3201 Modern Dance Technique II**
(max crs 12; 6 repeats allowed; A-F only; prereq instr consent)
- 87512 001 STU, 12:00pm-01:10pm MWF, MPAC 155; Katz Harwood, Rebecca, 2 cr
- 3211 Jazz Dance Technique II**
(max crs 18; 9 repeats allowed; A-F only; prereq instr consent)
- 85014 001 STU, 12:00pm-01:45pm TTh, MPAC 155; Bergeron, Ann Aiko, 2 cr
- 3221 Tap Dance Technique II**
(max crs 8; 4 repeats allowed; A-F only; prereq 1121 or instr consent)
- 82766 001 STU, 01:30pm-02:40pm MWF, MPAC 21; Bergeron, Ann Aiko, 2 cr
- 3401 Dance Composition**
(A-F only; prereq instr consent)
- 87186 001 STU, 10:00am-11:45am TTh, MPAC 21; Katz Harwood, Rebecca, 3 cr
- 3991 Independent Study in Dance**
(max crs 6; 6 repeats allowed; A-F only; prereq instr consent; undergrads may not take more than 6 cr in 3991 and 5991 combined)
- 85938 001 IND; Bergeron, Ann Aiko, 1-3 cr
- 4116 Musical Theatre Audition Techniques**
(A-F only; prereq instr consent, no Grad School cr)
- 85444 001 STU, 10:00am-11:15am MWF, MPAC 155; Katz Harwood, Rebecca; Ufema, Kate, 3 cr

- 4331 Ballet Technique III**
(max crs 12; 6 repeats allowed; A-F only; prereq 3231, instr consent; no Grad School cr)
- 86568 001 STU, 02:00pm-03:45pm TTh, MPAC 155; White, LilaAnn Coates, 2 cr
- 4901 Intern Teaching Dance**
(max crs 6; 3 repeats allowed; A-F only; prereq 3201 or 3211 or 3221 or 3231, instr consent; no Grad School cr)
- 85300 001 DIS; Bergeron, Ann Aiko; Katz Harwood, Rebecca, 2 cr
- 5991 Independent Study in Dance**
(max crs 6; 6 repeats allowed; A-F only; prereq instr consent; undergrads max 6 cr in 3991 and 5991 combined; no Grad School cr)
- 85940 001 IND; Bergeron, Ann Aiko; Katz Harwood, Rebecca, 1-3 cr
- 5997 Internship in Professional Dance**
(max crs 12; 12 repeats allowed; A-F only; prereq dept consent; 1 cr for each 45 hrs of work; no Grad School credit)
- 82784 001 IEX; Bergeron, Ann Aiko; Katz Harwood, Rebecca, 1-12 cr

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

- 2025 Cognitive Development: Theory to Practice**
(A-F only)
- 91437 431 LEC; Registration for Mesabi Cohort only. Course is held at Mesabi Community College. Additional course hours will be required in an on-line learning environment.; Minkinen, Molly H, 3 cr
- 3006 Early School Years**
(A-F only; prereq Pre-EIEd major, Concurrent registration is required (or allowed) in EIEd 1010.)
- 84354 001 LEC, 09:00am-10:50am M, MonH 206; (+ practicum arranged); Minkinen, Molly H, 2 cr
- 84516 002 LEC, 01:00pm-02:50pm M, MonH 208; (+ practicum arranged); Minkinen, Molly H, 2 cr
- 3021 Teaching Mathematics: Birth-Age Eight**
(A-F only; prereq Admission to the ECh program)
- 87052 001 LEC, 12:00pm-03:50pm T, MonH 151; Wohlhuter, Kay A., 4 cr
- 3022 Literacy for Young Children: Teaching Reading, Writing, Speaking, and Listening**
(A-F only; prereq Admission to the ECh program)
- 87054 001 LEC, 12:00pm-03:50pm Th, MonH 151; Onchwari, Jacqueline Ariri, 4 cr
- 3030 Inquiry, Social Studies, and Science Learning: Birth-Age Eight**
(prereq ECh major, 2010, 3010, Concurrent registration is required (or allowed) in 3020, 4011 and SpEd 3105)
- 83982 001 LEC, 08:00am-10:45am TTh, MonH 121; (Practicum arr); Ruark, Elizabeth Ann, 5 cr
- 3050 Observing and Guiding Behavior: Birth-Age Eight**
(prereq UECh major, 2010, Concurrent registration is required (or allowed) in the following: 3010, SpEd 3103)
- 84020 001 LEC, 08:00am-10:50am W, BohH 112; (Addtl 1 hr on-line work required per week, plus practicum arr); Pratt, Ana Violet, 4 cr
- 3055 Creative Expressions in Early Childhood: Birth-Age Eight**
(A-F only; prereq Admission to the UECh program)
- 86436 001 LEC, 09:00am-11:50am F, MonH 151; Onchwari, Jacqueline Ariri, 3 cr
- 3104 Family Partnerships**
(A-F only; prereq Admission to the UECh program)
- 91161 001 PRC, 04:00pm-04:50pm W, MonH 203; Marchel, Mary A, 1 cr

- 4009 Leadership in Early Childhood Studies**
(A-F only; prereq Admission to UECh program; no Grad School cr.)
- 87842 001 LEC, 03/23/09-05/08/09; (Course will meet in an on-line learning environment.); Riordan, Kim E., 3 cr
- 4010 Infant and Early Childhood Perceptual and Psychomotor Development**
(A-F only; prereq Unified early childhood major, no Grad School cr)
- 91438 431 LEC; Registration for Mesabi Cohort only. Course is held at Mesabi Community College. Additional course hours will be required in an on-line learning environment., 2 cr
- 4400 Professional Development Seminar**
(max crs 3; 3 repeats allowed; A-F only; prereq instr consent ; no Grad School cr)
- 84768 001 DIS, 02:00pm-02:50pm M, MonH 206; Riordan, Kim E., 1 cr
- 84818 002 DIS, 01:00pm-01:50pm M, MonH 206; Riordan, Kim E., 1 cr
- 4600 Student Teaching in Early Childhood/ Primary**
(max crs 12; S-N; prereq 3005, 3007 or instr consent ; no Grad School cr)
- 84016 001 PRC; , 12 cr
- 85812 002 PRC; , 12 cr
- 85814 003 PRC; , 6 cr
- 85816 004 PRC; , 6 cr
- 85818 005 PRC, 6 cr
- 85866 006 PRC, 6 cr
- 87692 007 PRC; , 6 cr
- 4991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; no Grad School cr)
- 84018 001 IND, 03:00pm-04:50pm M, MonH 208; Minkinen, Molly H, 1-6 cr
- 92558 002 IND; Riordan, Kim E., 1-6 cr

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

- 1003 Economics and Society**
(A-F only; prereq Cannot apply cr to econ major or minor or BAcr or BBA majors; meets LE req of LE CAT8)
- 84704 001 LEC, 12:30pm-01:45pm TTh, LSBE 118; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Anderson, Curt L, 3 cr
- 1022 Principles of Economics: Macro**
(A-F only; prereq Min 15 cr or dept consent; meets LE req of LE CAT6)
- 82748 001 LEC, 06:00pm-08:40pm M, LSBE 118; Seelos, Timothy J, 3 cr
- 85744 002 LEC, 11:00am-12:15pm TTh, LSBE 118; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Wilmot, Neil, 3 cr
- 82746 003 LEC, 02:00pm-03:15pm TTh, LSBE 118; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Wilmot, Neil, 3 cr
- 1023 Principles of Economics: Micro**
(A-F only; prereq Min 15 cr or dept consent; meets LE req of LE CAT6)
- 82750 001 LEC, 10:00am-10:50am MWF, LSBE 118; (Open CE reserved seats will be available to UMD students on January 15, 2008.); McIntosh, Christopher Richard, 3 cr
- 82752 002 LEC, 12:00pm-12:50pm MWF, LSBE 118; Anil, Bulent, 3 cr
- 84748 003 LEC, 02:00pm-02:50pm MWF, LSBE 118; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Anil, Bulent, 3 cr
- 2030 Applied Statistics for Business and Economics**
(A-F only; prereq Credit will not be granted if credit has been received for: [Econ 2020, Stat 1411, Stat 2411, Stat 3611, Soc 3151, Psy 3020], min 30 cr)
- 85392 001 LEC, 09:30am-10:45am TTh, LSBE 125; (LSBE students); Meets with: 85394 ECON 2030, 85396 ECON 2030; Wilmot, Neil, 3 cr

- 85394 002 LEC, 09:30am-10:45am TTh, LSBE 125; (Econ majors or minors); Meets with: 85392 ECON 2030, 85396 ECON 2030; Wilmot, Neil, 3 cr
- 85396 003 LEC, 09:30am-10:45am TTh, LSBE 125; (Non-LSBE Bus Adm or Acct minors); Meets with: 85392 ECON 2030, 85394 ECON 2030; Wilmot, Neil, 3 cr
- 85398 004 LEC, 03:30pm-04:45pm TTh, LSBE 125; (LSBE students); Meets with: 85402 ECON 2030, 85400 ECON 2030; Tadesse, Bedassa, 3 cr
- 85400 005 LEC, 03:30pm-04:45pm TTh, LSBE 125; (Econ majors or minors); Meets with: 85398 ECON 2030, 85402 ECON 2030; Tadesse, Bedassa, 3 cr
- 85402 006 LEC, 03:30pm-04:45pm TTh, LSBE 125; (Non-LSBE Bus Adm or Acct minors); Meets with: 85400 ECON 2030, 85398 ECON 2030; Tadesse, Bedassa, 3 cr
- 85404 007 LEC, 12:00pm-12:50pm MWF, LSBE 125; (LSBE students); Meets with: 85406 ECON 2030, 85408 ECON 2030; Doorn, David J., 3 cr
- 85406 008 LEC, 12:00pm-12:50pm MWF, LSBE 125; (Econ majors or minors); Meets with: 85404 ECON 2030, 85408 ECON 2030; Doorn, David J., 3 cr
- 85408 009 LEC, 12:00pm-12:50pm MWF, LSBE 125; (Non-LSBE Bus Adm or Acct minors); Meets with: 85406 ECON 2030, 85404 ECON 2030; Doorn, David J., 3 cr
- 85410 010 LEC, 02:00pm-02:50pm MWF, LSBE 125; (LSBE students); Meets with: 85412 ECON 2030, 85414 ECON 2030; Doorn, David J., 3 cr
- 85412 011 LEC, 02:00pm-02:50pm MWF, LSBE 125; (Econ majors or minors); Meets with: 85414 ECON 2030, 85410 ECON 2030; Doorn, David J., 3 cr
- 85414 012 LEC, 02:00pm-02:50pm MWF, LSBE 125; (Non-LSBE Bus Adm or Acct minors); Meets with: 85412 ECON 2030, 85410 ECON 2030; Doorn, David J., 3 cr
- 3022 Macroeconomic Analysis**
(A-F only; prereq 1022, 1023, Math 1160 or Math 1296, Econ major or minor or LSBE cand)
- 90463 001 LEC, 09:00am-09:50am MWF, LSBE 165; Doorn, David J., 3 cr
- 3023 Microeconomic Analysis**
(A-F only; prereq 1022, 1023, Math 1160 or Math 1296, Econ major or minor or LSBE cand)
- 86410 001 LEC, 09:00am-09:50am MWF, LSBE 225; Anil, Bulent, 3 cr
- 3150 Development Economics**
(A-F only; prereq 1022, 1023)
- 85758 001 LEC, 12:30pm-01:45pm TTh, LSBE 125; Tadesse, Bedassa, 3 cr
- 3311 Money and Banking**
(A-F only; prereq 1022, Econ major or minor or LSBE cand)
- 90461 001 LEC, 02:00pm-03:15pm TTh, LSBE 129; Albuquerque, Pedro H, 3 cr
- 3910 Economics of Health Care**
(A-F only; prereq 1022, 1023, Econ major or minor or LSBE cand)
- 86132 001 LEC, 10:00am-10:50am MWF, LSBE 125; Schultz, Jennifer, 3 cr
- 4315 Monetary Theory and Policy**
(A-F only; prereq 3022)
- 86412 001 LEC, 11:00am-12:15pm TTh, LSBE 233; Albuquerque, Pedro H, 3 cr
- 4397 Half-Time Internship**
(Credit will not be granted if credit has been received for: ECON 4497; max crs 6; S-N; prereq Econ major, 3022, 3023, instr consent)
- 84440 001 IEX; O'Brien, A. Maureen, 3 cr
- 4497 Full-Time Internship**
(Credit will not be granted if credit has been received for: ECON 4397; S-N; prereq Econ major 3022, 3023, instr consent)
- 84442 001 IEX; O'Brien, A. Maureen, 6 cr
- 4610 Industrial Organization**
(A-F only; prereq 3023 or 3512)
- 86414 001 LEC, 01:00pm-01:50pm MWF, LSBE 229; McIntosh, Christopher Richard, 3 cr

- 4777 Environmental Economics**
(A-F only; prereq 1023, preferred but not required: 3023)
- 90462 001 LEC, 09:30am-10:45am TTh, LSBE 129; Anderson, Curt L, 3 cr
- 4991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq Econ major, 12 cr of Econ 3xxx or above, instr consent)
- 82744 001 IND; O'Brien, A. Maureen, 1-6 cr

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

- 1000 Human Development**
(A-F only)
- 84026 001 LEC, 09:30am-10:45am TTh, MonH 206; Dietrich, Jane Ellen, 3 cr
- 84028 002 LEC, 03:00pm-04:15pm MW, MonH 121; Ruark, Elizabeth Ann, 3 cr
- 1100 Human Diversity**
(A-F only; meets LECD req of LECD CAT08)
- 83332 001 LEC, 03:00pm-04:50pm M, MonH 206; (Practicum 2 hrs per wk arr); Albert-Peacock, Betsy L, 3 cr
- 84014 002 LEC, 11:00am-12:50pm Th, MonH 203; (Practicum 2 hrs per wk arr); Mwetli PhD, Chang'aa, 3 cr
- 84706 003 LEC, 10:00am-11:50am W, MonH 206; (Practicum 2 hrs per wk arr); Hazareesingh, Nedra A, 3 cr
- 84950 004 LEC, 08:00am-09:50am W, MonH 206; (practicum 2 hrs per wk arr); Albert-Peacock, Betsy L, 3 cr
- 1101 Education in Modern Society**
(A-F only; meets LE req of LE CAT7)
- 84022 001 LEC, 02:00pm-02:50pm MWF, MonH 80; Johnson, Christopher William, 3 cr
- 84024 002 LEC, 04:00pm-06:50pm T, MonH 80; Johnson, Christopher William, 3 cr
- 1201 Managing Planet Earth**
(A-F only; meets LE req of LE CAT8)
- 84108 350 INI; (Individualized Instruction-16 week course - register anytime. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Boman, Thomas G, 3 cr
- 3412 The Computer in Education**
(max crs 6; 6 repeats allowed; A-F only; prereq Pre educ or educ majors or cand)
- 84036 001 LEC, 01:00pm-02:50pm MW, MonH 239; Mc Carthy, David Albert, 4 cr
- 84038 002 LEC, 03:00pm-04:50pm MW, MonH 239; Mc Carthy, David Albert, 4 cr
- 84828 003 LEC, 04:30pm-08:20pm T, MonH 209; , 4 cr
- 85146 004 LEC, 12:00pm-01:50pm TTh, KP1z 143; Shannon, Terrie M, 4 cr
- 85148 005 LEC, 08:30am-02:00pm MTWThF, MonH 239, 01/05/09-01/16/09; (Special term: Jan. 5-16, 2009); Mc Carthy, David Albert, 4 cr
- 87056 090 LEC, 05:00pm-08:50pm T, MonH 239; 4 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 84708 EDUC 5412; Mc Carthy, David Albert, 4 cr
- 91439 431 LEC; Registration for Mesabi Cohort only. Course is held at Mesabi Community College.; Shannon, Terrie M, 1-4 cr
- 3417 Teaching Elementary Keyboarding and Computer Applications Practicum**
(Credit will not be granted if credit has been received for: EDUC 5417; S-N only; prereq 3416, pre ElEd, ElEd, pre UECh, UECh)
- 86474 090 PRC, 05:00pm-06:50pm M, MonH 239; (meets with Educ 5417); 4 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 86476 EDUC 5417; Luehr, Dana D, 1 cr

4226	Geometry for Teachers in Grades 5-8 (A-F only; prereq Math 1141 or instr consent ; no Grad School cr)	3417	Teaching Elementary Keyboarding and Computer Applications Practicum (Credit will not be granted if credit has been received for: EDUC 3417; S-N only; prereq 3416 or 5416, pre EIED, EIED, pre UECh, UECh or non degree cand, no Grad School cr)	7008	Foundations of Teaching and Learning: Curriculum Theory and Design (A-F only; prereq Credit will not be granted if credit has been received for: [EHS 7008], MEd student or instr consent ; no Grad School cr)
86456	001 LEC, 06:00pm-08:50pm T, MonH 151; Wohlhuter, Kay A., 3 cr			88568	025 LEC, 08:30am-04:00pm Su, MonH 108, 01/25/09-01/25/09; Registration for Cohort 15 only. course meets on Jan. 25, 2009. Additional course hours will be required in an on-line learning community.; Damme, Susan R, 4 cr
4234	Science, Technology, and Society (A-F only; prereq Min 30 cr, no Grad School cr)	86476	090 PRC, 05:00pm-06:50pm M, MonH 239; (meets with Educ 3417); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 86474 EDUC 3417; Luehr, Dana D, 1 cr	7010	Current Issues, Theories and Practices in Educational Technology (A-F; prereq No Grad School cr)
84710	001 LEC, 03:30pm-04:45pm TTh, MonH 108; Ruark, Elizabeth Ann, 3 cr	5560	Current Research and Issues in Science Education (max crs 6; 3 repeats allowed; A-F only; prereq MEd student; offered summer only, instr consent)	91294	035 LEC; Tribal 4 cohort only; McInnes, Brian D, 3 cr
4381	Teaching American Indian Students (A-F only; prereq EDSE 4100; no Grad School cr)	87546	001 LEC; , 2-3 cr	8016	Theory and Practice of Qualitative Research Methods (A-F; prereq 8015 or equivalent, Ed.D. majors or instr consent)
84104	001 LEC, 08:00am-08:50am TTh, MonH 108; (additional on-line hours required); Fairbanks PhD, Priscilla A., 2 cr	5991	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq instr consent ; no Grad School cr)	91240	001 LEC, 12:00pm-06:30pm Su, MonH 121, 01/25/09-01/25/09, 08:00am-02:30pm S, MonH 121, 02/14/09-02/14/09, 08:00am-02:30pm S, MonH 121, 03/07/09-03/07/09, 12:00pm-06:30pm S, MonH 121, 04/04/09-04/04/09, 08:00am-02:30pm S, MonH 121, 05/09/09-05/09/09; Registration for Ed.D. Cohort only. Course meets on 1/25, 2/14, 3/7, 4/4, 5/9. Additional hours will be required in an on-line learning environment.; Marchel, Mary A, 3 cr
84106	002 LEC, 01:00pm-01:50pm TTh, MonH 203; (additional on-line hours required); Fairbanks PhD, Priscilla A., 2 cr	84114	001 IND; , 0.50-4 cr	8020	Doctoral Seminar (max crs 6; 6 repeats allowed; S-N; prereq Ed.D. majors)
4500	Professional Issues in Teaching (A-F only; prereq Admission to the elementary education program, successful completion of courses in block one and block two, no Grad School cr)	86362	002 IND; , 0.50-4 cr	87994	001 SEM, 02:45pm-07:00pm S, MonH 121, 01/24/09-01/24/09, 02:45pm-07:00pm S, MonH 121, 02/14/09-02/14/09, 02:45pm-07:00pm S, MonH 30, 03/07/09-03/07/09, 02:45pm-07:00pm S, MonH 30, 04/04/09-04/04/09, 02:45pm-07:00pm S, MonH 121, 05/09/09-05/09/09; Registration for Ed.D. Cohort only. Course meets on 1/24, 2/14, 3/7, 4/4, 5/9. Additional hours will be required in an on-line learning environment.; Brice, Lynn M; Stevenson PhD, Jean Myers, 1 cr
84030	001 LEC, 05:00pm-06:50pm M, MonH 151; (5:00-6:50 pm first Monday of semester— remainder of course hours completed on-line); Torres, Jill, 1 cr	86366	003 IND; , 0.50-4 cr	8021	Theories, Principles, and Methodology of Assessment in Organizational Systems (A-F; prereq Ed.D. majors)
84032	002 LEC, 05:00pm-06:50pm W, MonH 206; (5:00-6:50 pm first Wednesday of semester— remainder of course hours completed on-line); Dietrich, Jane Ellen, 1 cr	86370	004 IND; , 0.50-4 cr	91241	001 SEM, 08:00am-02:30pm S, MonH 121, 01/24/09-01/24/09, 12:00pm-06:30pm Su, MonH 121, 02/15/09-02/15/09, 12:00pm-06:30pm Su, MonH 121, 03/08/09-03/08/09, 08:00am-02:30pm S, MonH 30, 04/04/09-04/04/09, 12:00pm-06:30pm Su, MonH 121, 05/10/09-05/10/09; Registration for Ed.D. Cohort only. Course meets 1/24, 2/15, 3/8, 4/11, 5/10. Additional hours will be required in an on-line learning environment.; Williams, Julia M., 3 cr
84034	003 LEC; (Twin Cities student teachers only—initial meeting arr first week of semester, with remaining course hours conducted on-line); Torres, Jill, 1 cr	85066	005 IND; , 0.50-4 cr		
86458	060 LEC; (Course will meet on-line for global student teachers only); Ruark, Elizabeth Ann, 1 cr	85022	006 IND; , 0.50-4 cr		
4991	Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; no Grad School cr)	7001	Introduction to Graduate Study (A-F only; prereq Credit will not be granted if credit has been received for: [EHS 7001], MEd candidate or instr consent ; no Grad School cr)		
84110	001 IND; , 0.50-3 cr	91238	025 LEC, 08:30am-04:00pm S, MonH 108, 01/24/09-01/24/09; Registration for Cohort 15 only. Course meets on Jan. 24, 2009. Additional hours will be required in an on-line learning environment.; , 2 cr		
88958	002 IND; , 0.50-3 cr	7002	Human Diversity and Exceptionality (A-F only; prereq Credit will not be granted if credit has been received for: [EHS 7002], MEd candidate or instr consent, no Grad School cr)		
5128	Urban Education (prereq No Grad School cr)	88474	020 LEC, 08:30am-04:00pm S, MonH 108, 01/31/09-01/31/09; Registration for Cohort 14 only. Course meets on Jan. 24, 2009. Additional hours will be required in an on-line learning community.; , 2 cr		
84112	200 INI; (- Individualized Instruction-16 week course - register anytime. Initial information for INI courses is available at http://www.d.umn.edu/goto/ini . Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008), 3 cr	87510	035 LEC, 08:30am-04:00pm S, MonH 30, 02/07/09-02/07/09; Registration for Tribal 4 Cohort only. Course meets on Feb. 7, 2009. Additional hours will be required in an on-line learning community.; Mwei PhD, Chang'aa, 2 cr		
5340	Interacting With Diverse Families (A-F only; prereq 90 cr or instr consent)	7004	Research Methods in Education (A-F only; prereq Credit will not be granted if credit has been received for: [EHS 7004], M.SpEd student or instr consent ; no Grad School cr)		
85150	001 LEC, 06:00pm-08:45pm Th, MonH 151; Onchwari, Jacqueline Ariri, 3 cr	86090	020 LEC, 08:30am-04:00pm Su, MonH 108, 02/01/09-02/01/09, instruction mode: Distance Education and On-Site; Registration for Cohort 14 only. Course meets on Jan. 25, 2009. Additional course hours will be required in an on-line learning community.; Johnson, Barbara Zebe, 4 cr		
5401	Creative and Intellectually Gifted Children (A-F only; prereq No Grad School cr)	7006	Ethics and Professionalism in Education (A-F only; prereq Credit will not be granted if credit has been received for: [EHS 7006], MEd cand or instr consent ; no Grad School cr)		
88636	200 INI; (Students must access initial course information at www.d.umn.edu/goto/ini . Click on "Getting Started After Registration" to begin. Open CE reserved seats will be available to UMD students on January 15, 2008.), 2 cr	85986	010 LEC, 08:30am-04:00pm S, MonH 108, 02/14/09-02/14/09; Registration for Cohort 12 only. Course meets on Feb. 14, 2009. Additional hours will be required in an on-line learning community.; Damme, Susan R, 2 cr	799	CEHSP Masters Active Status (20 repeats allowed; NGA; prereq MEd or MSPEd students only)
5412	The Computer in Education (max crs 6; 6 repeats allowed; A-F only; prereq No Grad School cr)	86058	015 LEC, 08:30am-04:00pm S, MonH 151, 02/14/09-02/14/09; Registration for Cohort 13 only. Course meets on Feb. 14, 2009. Additional hours will be required in an on-line learning community.; (additional course hours required in an on-line learning community); Glisczinski, Daniel Joseph, 2 cr	86228	001 IND, 0 cr
84708	090 LEC, 05:00pm-08:50pm T, MonH 239; (meets with Educ 3412); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 87056 EDUC 3412; Mc Carthy, David Albert, 4 cr	91239	035 LEC, 08:30am-12:00pm Su, MonH 30, 02/08/09-02/08/09; Registration for Tribal 4 Cohort only. Course meets on Feb. 8, 2009. Additional hours will be required in an on-line learning environment.; Rauschenfels, Diane J, 2 cr	5990	Research Project (max crs 12; 12 repeats allowed; S-N; prereq No Grad School cr)
5413	Teaching With Technology (A-F only; prereq 3412 or 5412, min 60 cr or coll grad or instr consent , no Grad School cr)			88598	001 LEC; Damme, Susan R, 1-12 cr
86734	001 LEC, 05:00pm-08:50pm Th, KPlz 143; Shannon, Terrie M, 4 cr			84648	002 LEC; Williams, Julia M., 1-12 cr
5415	Advanced Educational Media Production (A-F only; prereq Min 60 cr or coll grad, 3412 or 5412, 5413, 5414 or instr consent, no Grad School cr)			84650	003 LEC; Riordan, Kim E., 1-12 cr
85292	090 LEC, 05:00pm-08:50pm W, MonH 239; 4 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Yoon PhD, Jiyeon, 4 cr			84652	004 LEC; Millslagle, Duane G., 1-12 cr

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

799	CEHSP Masters Active Status (20 repeats allowed; NGA; prereq MEd or MSPEd students only)
86228	001 IND, 0 cr
5990	Research Project (max crs 12; 12 repeats allowed; S-N; prereq No Grad School cr)
88598	001 LEC; Damme, Susan R, 1-12 cr
84648	002 LEC; Williams, Julia M., 1-12 cr
84650	003 LEC; Riordan, Kim E., 1-12 cr
84652	004 LEC; Millslagle, Duane G., 1-12 cr
84654	005 LEC; , 1-12 cr
84656	006 LEC; Keener PhD, John R, 1-12 cr
84660	008 LEC; Ernst, Julie Ann, 1-12 cr
88600	009 LEC; Minkinen, Molly H, 1-12 cr
84662	010 LEC; Munson PhD, Bruce H, 1-12 cr
84664	011 LEC; Marchel, Mary A, 1-12 cr
84666	012 LEC; Gilbertson, Kenneth Lloyd, 1-12 cr
86052	013 LEC; Glisczinski, Daniel Joseph, 1-12 cr
86854	014 LEC; Nierengarten, Mark Edward, 1-12 cr
87732	015 LEC; Guldbrandsen, Frank A, 1-12 cr

EDUCATION, SECONDARY (EdSe)**College of Education & Human Service Professions****3204 Designing Learning Environments and Lessons**

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

- 84116 001 LEC, 08:00am-09:50am MW, MonH 108; Torres, Jill, 3 cr
84040 002 LEC, 02:00pm-03:50pm MW, MonH 108; Torres, Jill, 3 cr

3205 Apprenticeship: Middle School

(A-F only; prereq Admission to EdSe program, concurrent registration is required (or allowed) for 3204)

- 84042 001 PRC; Time and day arranged.; Torres, Jill, 2 cr

3206 Apprenticeship: Secondary School

(A-F only; prereq Admission to EdSe program, Concurrent registration is required (or allowed) in 3204)

- 84044 001 PRC, 08:00am-08:50am MWF, MonH 121; ; , 2 cr
84846 002 PRC, 01:00pm-01:50pm MWF, BohH 346; ; , 2 cr

4100 Teaching in a Diverse Society

(max crs 3; A-F only; prereq Admission to EdSe program)

- 84046 001 LEC, 09:30am-10:45am TTh, MonH 108; , 2 cr
84048 002 LEC, 02:00pm-03:15pm TTh, VKH 221; , 2 cr
92582 003 LEC, 02:00pm-03:15pm TTh, SpHC 207; Additional on-line hours required.; Torres, Jill, 3 cr
92583 004 LEC, 05:00pm-07:50pm T, MonH 206; Additional on-line hours required.; Mongan-Rallis, Helen, 3 cr

4120 Philosophy and Organization of the Middle School

(A-F only; prereq Credit will not be granted if credit has been received for: [5120], Secondary majors admitted to teacher education or pre-elementary education majors, 45 cr)

- 84356 001 LEC, 09:30am-10:45am TTh, VKH 221; (Secondary Education majors only); Johnson, Christopher William, 2 cr
84360 003 LEC, 03:30pm-04:45pm TTh, VKH 221; (Elementary Education majors only); , 2 cr

4212 Literature for Adolescents

(Credit will not be granted if credit has been received for: EDSE 4215, EDSE 4214; A-F only; prereq Teaching comm arts/lit major, minor or pre students or elem-middle educ comart/lit specialization)

- 85232 001 LEC, 06:00pm-08:45pm W, MonH 121; Johnson, Christopher William, 3 cr

4214 Reading in the Middle and Secondary School, Grades 5-12

(Credit will not be granted if credit has been received for: EDSE 4215, EDSE 4212; A-F only)

- 85992 001 LEC, 09:00am-09:50am MWF, MonH 121; Johnson, Christopher William, 2 cr
85994 002 LEC, 02:00pm-02:50pm MWF, MonH 30; , 2 cr

4215 Teaching Reading and Literature: Grades 5-12

(Credit will not be granted if credit has been received for: EDSE 4212, EDSE 4214; A-F only; prereq Major, minor or pre teaching comm arts/lit students)

- 91179 001 LEC, 04:00pm-06:15pm TTh, BohH 104; Miller Cleary, Linda, 5 cr

4222 Teaching Mathematics: Grades 5-12

(A-F only; prereq Admission to EdSe program, 3204 or instr consent ; no Grad School cr)

- 84056 001 LEC, 08:00am-09:50am TTh, MonH 151; Kwako, Joan, 4 cr

4244 Teaching Social Studies: Grades 5-12

(A-F only; prereq Admission to EdSe program, 3204 or instr consent ; no Grad School cr)

- 84054 001 LEC, 04:00pm-06:40pm W, MonH 108; Brice, Lynn M, 3 cr

4501 Educational Psychology

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

- 84050 001 LEC, 10:00am-10:50am MWF, MonH 108; (additional on-line hours required); Glisczinski, Daniel Joseph, 3 cr
84052 002 LEC, 01:00pm-01:50pm MWF, MonH 108; (additional on-line hours required); Glisczinski, Daniel Joseph, 3 cr

4600 Student Teaching

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

- 84512 001 PRC; , 12 cr
84830 002 PRC; , 12 cr
85832 003 PRC; , 12 cr
85834 004 PRC; , 12 cr
85836 005 PRC; , 12 cr
85838 006 PRC; , 12 cr
85840 007 PRC; , 12 cr
85842 008 PRC; , 12 cr
85844 009 PRC; , 12 cr
85846 010 PRC; , 12 cr
85848 011 PRC; , 12 cr
85860 012 PRC; , 12 cr
86300 013 PRC; , 6 cr
86304 014 PRC; , 6 cr
87690 015 PRC; , 6 cr
87716 016 PRC; , 6 cr
87718 017 PRC; , 6 cr
87720 018 PRC; , 6 cr
87722 019 PRC; , 6 cr
87724 020 PRC; , 6 cr

4993 Special Area Project

(max crs 4; A-F only; prereq instr consent ; no Grad School cr)

- 84058 001 DST, 1-4 cr

ELECTRICAL AND COMPUTER ENGINEERING (ECE)**Swenson College of Science & Engineering****1315 Digital System Design**

(A-F only; prereq Pre-Engr, ChE, CS, ECE, IE majors only.)

- 001 LEC, 10:00am-10:50am MWF, MWAH 191; Weber, Paul J.
82606 002 LAB, 09:00am-12:00pm T, MWAH 55; Weber, Paul J., 4 cr
82608 003 LAB, 01:00pm-04:00pm T, MWAH 55; Weber, Paul J., 4 cr

1501 Freshman Seminar Honors: Renewable Energy

(A-F; prereq Freshman, fewer than 30 cr, Honors Program; meets HON req of Honors; meets LEIP req of LEIP CAT05)

- 91559 001 SEM, 02:00pm-02:50pm TTh, MWAH 191, 3 cr

2006 Electrical Circuit Analysis

(A-F only; prereq Phys 2011, Concurrent registration is required (or allowed) in Math 3280)

- 001 LEC, 04:00pm-05:15pm TTh, Chem 251; Bai, Jing
84102 002 LAB, 09:00am-12:00pm T, MWAH 391; Bai, Jing, 4 cr
84412 003 LAB, 01:00pm-04:00pm T, MWAH 391; Bai, Jing, 4 cr
004 LEC, 03:00pm-03:50pm MWF, MWAH 191; Hasan, Mohammed A
85716 005 LAB, 04:00pm-07:00pm M, MWAH 391; Hasan, Mohammed A, 4 cr
87630 006 LAB, 04:00pm-07:00pm W, MWAH 391; Hasan, Mohammed A, 4 cr

2111 Linear Systems and Signal Analysis

(A-F only; prereq 2006)

- 001 LEC, 12:00pm-12:50pm MWF, MWAH 191; Hayee, M Imran
82642 002 LAB, 09:00am-12:00pm Th, MWAH 393; Hayee, M Imran, 4 cr
82644 003 LAB, 01:00pm-04:00pm Th, MWAH 393; Hayee, M Imran, 4 cr

2212 Electronics I

(A-F only; prereq 2006)

- 001 LEC, 01:00pm-01:50pm MWF, HH 216; Burns, Stanley G
82650 002 LAB, 10:00am-01:00pm Th, MWAH 391; Burns, Stanley G, 4 cr

- 82652 003 LAB, 02:00pm-05:00pm Th, MWAH 391; Burns, Stanley G, 4 cr

2325 Microcomputer System Design

(A-F only; prereq 1315)

- 001 LEC, 12:00pm-12:50pm MWF, Chem 155; Weber, Paul J.
84094 002 LAB; Weber, Paul J., 4 cr

3151 Control Systems

(A-F only; prereq 2111)

- 84414 001 LEC, 04:00pm-05:15pm TTh, MWAH 191; Stachowicz, Marian S, 3 cr

3235 Electronics II

(A-F only; prereq 2212)

- 001 LEC, 11:00am-11:50am MWF, MWAH 191; Tang, Hua
84782 002 LAB, 09:00am-12:00pm Th, MWAH 293; Tang, Hua, 4 cr
84952 003 LAB, 01:00pm-04:00pm Th, MWAH 293; Tang, Hua, 4 cr

3341 Digital Computer Circuits

(A-F only; prereq 2325)

- 001 LEC, 08:00am-08:50am MWF, MWAH 191; Carroll, Christopher Ralph
84098 002 LAB; Carroll, Christopher Ralph, 4 cr

3611 Introduction to Solid-State Semiconductors

(A-F only; prereq Phys 2012)

- 82688 001 LEC, 09:00am-09:50am MWF, MWAH 191; Bai, Jing, 3 cr

4501 Power Systems

(A-F only; prereq 2006; no Grad School cr)

- 001 LEC, 05:30pm-06:45pm TTh, MWAH 191; Norr, Scott R
84418 002 LAB; Norr, Scott R, 4 cr

4899 Senior Design Project I

(A-F only; prereq Credit will not be granted if credit has been received for: [4951], 3341, BSECE cand, instr consent, no Grad School cr)

- 82698 001 DRS; Burns, Stanley G, 1 cr
82700 002 DRS; Hayee, M Imran, 1 cr
82702 003 DRS; Carroll, Christopher Ralph, 1 cr
82704 004 DRS; Yang, Jiann-Shiou, 1 cr
82706 005 DRS; Kwon, Taek Mu, 1 cr
82708 006 DRS; Tang, Hua, 1 cr
82710 007 DRS; Hasan, Mohammed A, 1 cr
82712 008 DRS; Stachowicz, Marian S, 1 cr
82714 009 DRS; Norr, Scott R, 1 cr
84718 010 DRS; Bai, Jing, 1 cr
84788 011 DRS; Weber, Paul J., 1 cr
84790 012 DRS; , 1 cr

4951 ECE Design Workshop

(A-F only; prereq Credit will not be granted if credit has been received for: [4899 or 4999], WRIT 3130, BSECE cand, 100 cr, instr consent; no Grad School cr)

- 91265 001 LAB, 4 cr

4991 Independent Study

(max crs 3; A-F only; prereq instr consent ; does not qualify as ECE technical elective; no Grad School cr)

- 83248 001 IND; Burns, Stanley G, 1-3 cr
83250 002 IND; Hayee, M Imran, 1-3 cr
83252 003 IND; Carroll, Christopher Ralph, 1-3 cr
83254 004 IND; Yang, Jiann-Shiou, 1-3 cr
83256 005 IND; Kwon, Taek Mu, 1-3 cr
83258 006 IND; Tang, Hua, 1-3 cr
83260 007 IND; Hasan, Mohammed A, 1-3 cr
83262 008 IND; Stachowicz, Marian S, 1-3 cr
83264 009 IND; Norr, Scott R, 1-3 cr
84720 010 IND; Bai, Jing, 1-3 cr
84792 011 IND; Weber, Paul J., 1-3 cr
84794 012 IND; , 1-3 cr

4999 Senior Design Project II

(A-F only; prereq Credit will not be granted if credit has been received for: [4951], 4899, BSECE cand, instr consent, no Grad School cr)

- 82718 001 DRS; Burns, Stanley G, 3 cr
82720 002 DRS; Hayee, M Imran, 3 cr
82722 003 DRS; Carroll, Christopher Ralph, 3 cr
82724 004 DRS; Yang, Jiann-Shiou, 3 cr
82726 005 DRS; Kwon, Taek Mu, 3 cr
82728 006 DRS; Tang, Hua, 3 cr
82730 007 DRS; Hasan, Mohammed A, 3 cr
82732 008 DRS; Stachowicz, Marian S, 3 cr
82734 009 DRS; Norr, Scott R, 3 cr
84722 010 DRS; Bai, Jing, 3 cr
84796 011 DRS; Weber, Paul J., 3 cr

84798	012 DRS; , 3 cr	85556	002 LEC, 01:00pm-02:50pm W, MonH206; Albert-Peacock, Betsy L, 2 cr
5315	Multiprocessor-Based System Design (A-F only; prereq Credit will not be granted if credit has been received for: [4315], 3341)	4344	Teaching Science and Environmental Education (A-F only; prereq Admission to elementary education program, successful completion of block one, Concurrent registration is required (or allowed) in 3381, 4345, 4366, SpEd 5310, no Grad School cr)
86122	001 LEC, 03:00pm-03:50pm MWF, MWAH 175; , 3 cr	85976	001 LEC, 01:00pm-02:50pm MW, MonH 151; (Practicum arr); Yoon PhD, Jiyoan, 4 cr
5741	Digital Signal Processing (A-F only; prereq Credit will not be granted if credit has been received for: [4741], 2111)	85978	002 LEC, 03:00pm-04:50pm MW, MonH 151; (Practicum arr); Yoon PhD, Jiyoan, 4 cr
87234	001 LEC, 04:00pm-05:15pm MW, MWAH 191; Hasan, Mohammed A, 3 cr	4345	Instructional Strategies, Assessment, and Management (A-F only; prereq Admission to elementary education program, successful completion of block one, Concurrent registration is required (or allowed) in 3381, 4344, 4366, SpEd 5310, no Grad School cr)
8151	Linear Systems and Optimal Control (A-F; prereq 3151)	84060	001 LEC, 08:00am-09:15am MW, MonH 151; (Practicum arr); Mwti PhD, Chang'aa; McInnes, Brian D, 3 cr
87236	001 LEC; Day and time arranged.; Yang, Jiann-Shiou, 3 cr	84062	002 LEC, 09:30am-10:45am MW, MonH 151; (Practicum arr); Mwti PhD, Chang'aa; McInnes, Brian D, 3 cr
8333	FTE: Master's (NGA; prereq Master's student, advisor and DGS consent)	4366	Teaching Social Studies and Environmental Education (A-F only; prereq Admission to elementary education program, successful completion of block one, Concurrent registration is required (or allowed) in 3381, Concurrent registration is required (or allowed) in 4344, Concurrent registration is required (or allowed) in 4345, Concurrent registration is required (or allowed) in SpEd 5310; no Grad School cr)
91317	001 DRS, 1 cr	83740	001 LEC, 03:00pm-04:50pm TTh, MonH 121; (Practicum arr); , 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))	84118	002 LEC, 01:00pm-02:50pm TTh, MonH 121; (Practicum arr); Brice, Lynn M, 4 cr
86210	001 THE; Burns, Stanley G, 1-18 cr	4400	Professional Development Seminar for Elementary Education Majors (A-F only; prereq Admission to elementary education program, Concurrent registration is required (or allowed) in 3113, 3325, 3331, 3355, SpEd 3310, no Grad School cr)
86212	002 THE; Hayee, M Imran, 1-18 cr	85052	001 LEC, 03:00pm-04:50pm W, MonH206; (weeks 2,4,6,8,10,15); Hazareesingh, Nedra A, 1 cr
86214	003 THE; Carroll, Christopher Ralph, 1-18 cr	4600	Student Teaching (max crs 12; S-N only; prereq Admission to elementary education program, successful completion of block one and block two courses, no Grad School cr)
86216	004 THE; Yang, Jiann-Shiou, 1-18 cr	84064	001 PRC; , 12 cr
86218	005 THE; Kwon, Taek Mu, 1-18 cr	84770	002 PRC; , 12 cr
86220	006 THE; Tang, Hua, 1-18 cr	85820	003 PRC; , 12 cr
86222	007 THE; Hasan, Mohammed A, 1-18 cr	85822	004 PRC; , 12 cr
86224	008 THE; Stachowicz, Marian S, 1-18 cr	85824	005 PRC; , 12 cr
86226	009 THE; Norr, Scott R, 1-18 cr	85854	006 PRC; , 12 cr
86748	010 THE; Bai, Jing, 1-18 cr	85826	007 PRC; , 12 cr
91264	011 THE; Weber, Paul J., 1-18 cr	85828	008 PRC; , 6 cr
		85830	009 PRC; , 6 cr
		86858	010 PRC; , 6 cr
		88974	011 PRC; , 6 cr
		4650	Student Teaching in Individual Subjects: K-8 (max crs 7; 7 repeats allowed; S-N only; prereq Art ed cand or music ed cand , or phy ed cand or instr consent; no Grad School credit)
		84362	001 PRC; , 6 cr
		85850	002 PRC; , 6 cr
		85852	003 PRC; , 6 cr
		85856	004 PRC; , 6 cr
		86296	005 PRC; , 6 cr
		86298	006 PRC; , 6 cr
		4991	Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq dept consent; no Grad School cr)
		84066	001 IND, 1-6 cr
		87734	002 IND; , 1-6 cr
		4993	Special Area Project (max crs 4; A-F only; prereq instr consent ; no Grad School cr)
		84068	001 DST, 1-4 cr

5993	Special Area Project (max crs 4; A-F only; prereq instr consent ; no Grad School cr)
84070	001 DST, 1-4 cr

ENGINEERING (Engr) Swenson College of Science & Engineering

2015	Statics (prereq Math 1297, Phys 2011)
82662	001 LEC, 11:00am-11:50am MWF, Engr 177; Schokker, Andrea J, 3 cr
86488	002 LEC, 02:00pm-02:50pm MWF, Engr 290; Musselman, Eric, 3 cr
2016	Mechanics of Materials (prereq 2015, Concurrent registration is required (or allowed) in Math 3280)
82666	001 LEC, 02:00pm-02:50pm MWF, Engr 280; Khorroosi, Hossain, 3 cr
86490	002 LEC, 09:00am-09:50am MWF, Engr 290; Khorroosi, Hossain, 3 cr
2026	Dynamics (prereq 2015, Concurrent registration is required (or allowed) in Math 3280)
82664	001 LEC, 03:00pm-03:50pm MWF, Engr 118; Khorroosi, Hossain, 3 cr
86492	002 LEC, 10:00am-10:50am MWF, Engr 280; Khorroosi, Hossain, 3 cr
2110	Introduction to Material Science for Engineers (A-F only; prereq Chem 1151 or 1161, Phys 2011)
87580	001 LEC, 03:00pm-03:50pm MWF, Engr 177; Lindeke, Richard R, 3 cr
88286	002 LEC, 09:00am-09:50am MWF, Engr 280; Dryke, Jake, 3 cr

ENGINEERING MANAGEMENT (EMgt)

Swenson College of Science & Engineering

4110	Engineering Professionalism and Practice (Credit will not be granted if credit has been received for: IE 4155, ME 4155; A-F; prereq COMP 3130 or 3150 or 3180 and BSChE or BSECE or BSIE or BSME candidate within 2 semesters of graduation, or instructor consent; no Grad School credit)
	001 LEC, 10:00am-10:50am T, Engr 118; Zierden, Heidi Sue
88282	002 LAB, 10:00am-11:50am Th, Engr 118; Zierden, Heidi Sue, 2 cr
5130	Operations Modeling and Analysis (A-F; prereq EMgt student or dept consent .)
87910	811 LEC, 06:00pm-08:40pm Th, KPlz 173; ITV; Chen, Hongyi, 3 cr
91242	812 LEC, 06:00pm-08:40pm Th, Room TBA; Hibbing Community College ITV - B205; Chen, Hongyi, 3 cr
5995	Special Topics: (Various Titles to be Assigned) (max crs 9; 3 repeats allowed; A-F only; prereq EMgt student or dept consent)
92548	811 LEC, 06:00pm-08:40pm T, VKH 221; Kwon, Eil, 1-3 cr
8310	Project Methodology and Practice (A-F; prereq 5110, 5120, 5130, 5160)
85020	811 LEC, 06:00pm-08:40pm M, VKH 221, 01/26/09-01/26/09, 06:00pm-08:40pm M, VKH 221, 02/09/09-02/09/09, 06:00pm-08:40pm M, VKH 221, 02/23/09-02/23/09, 06:00pm-08:40pm M, VKH 221, 03/23/09-03/23/09, 06:00pm-08:40pm M, VKH 221, 04/27/09-04/27/09, 06:00pm-08:40pm M, VKH 221, 05/04/09-05/04/09; (Structured Capstone Project. Meeting dates are: Jan. 28, 2008, Feb. 11, 2008, Feb 25, 2008, Mar 24, 2008, Apr 14, 2008, May 5, 2008, May 12, 2008; Rosandich PhD, Ryan G, 3 cr
8777	Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
85518	811 THE; Lindeke, Richard R, 1-18 cr

- 88052 818 THE; Rosandich PhD, Ryan G, 1-18 cr
88054 819 THE; Chen, Hongyi, 1-18 cr
- 8993 Engineering Management Seminar**
(max crs 2; S-N; prereq Grad student, dept consent)
- 86048 811 SEM, 12:00pm-12:50pm M, Engr 290; Meets with: 85320 IE 4993; Eseonu, Chinweike Ifeolu, 1 cr
- 8994 Directed Research**
(max crs 8; 8 repeats allowed; prereq MSEM or grad student, department consent)
- 86050 811 DRS; Lindeke, Richard R, 1-8 cr
88056 818 DRS; Rosandich PhD, Ryan G, 1-8 cr
88058 819 DRS; Chen, Hongyi, 1-8 cr

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

- 1001 Great American Authors**
(A-F only; meets LE req of LE CAT9)
- 86432 001 LEC, 10:00am-10:50am MWF, MonH 203; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Schwetman, John David, 3 cr
- 1101 Literature Appreciation**
(Credit will not be granted if credit has been received for: ENGL 1907; A-F only; prereq Primarily for nonmajors but also for potential majors and creative writers; meets LE req of LE CAT9)
- 88022 001 LEC, 02:00pm-02:50pm MWF, MonH 203; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Schwetman, John David, 3 cr
- 1575 20th-Century Literature**
(A-F only; prereq Primarily for nonmajors; meets LE req of LE CAT9)
- 85934 001 LEC, 12:00pm-12:50pm MWF, Cina 308; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Hole, Jeffrey, 4 cr
- 1582 Introduction to World Literatures**
(A-F only; meets LEIP req of LEIP CAT09)
- 88024 001 LEC, 10:00am-10:50am MWF, LSBE 129; , 3 cr
88942 002 LEC, 08:00am-08:50am MWF, H 403; Hole, Jeffrey, 3 cr
- 1907 Introduction to Literature**
(Credit will not be granted if credit has been received for: ENGL 1101; A-F only; prereq Primarily for nonmajors; meets LE req of LE CAT9)
- 88822 001 LEC, 01:00pm-02:15pm MW, H 314; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Bock, Martin F, 3 cr
- 2581 Women Writers**
(A-F only; prereq 30 cr or instr consent; meets LECD req of LECD CAT09)
- 86984 001 LEC, 09:00am-09:50am MF, LSBE 129, 08:00am-09:50am W, Cina 102; Basham, Kate, 4 cr
- 3223 Shakespeare**
(A-F only; meets LE req of LE CAT9)
- 85108 001 LEC, 12:00pm-01:50pm M, H 403, 12:00pm-12:50pm WF, H 403; Cannan, Paul D, 4 cr
- 3502 British Literature II**
(A-F only; prereq Engl major and minor)
- 82610 001 LEC, 02:00pm-03:50pm TTh, BohH 112; Bock, Carol Ann, 4 cr
- 3564 American Literature II**
(A-F only)
- 82612 001 LEC, 10:00am-11:50am M, H 403, 11:00am-11:50am WF, ABAH 225; Brier, Evan, 4 cr
- 3906 Methods of Literary Study**
(A-F only; prereq Comp 1120, Engl major or Tch Comm Art/Lit major or instr consent)
- 85462 001 LEC, 12:00pm-01:50pm TTh, H 468; Zuck, Rochelle Raineri, 4 cr

- 4097 Internship in Publishing**
(max crs 8; S-N only; prereq minimum 60 credits, instr consent
Credit cannot be applied to Grad School program)
- 86784 001 IEX; , 1-4 cr
- 4292 Literature into Film**
(A-F only; prereq Min 90 cr (10 cr lit) or instr consent)
- 91206 001 LEC, 04:00pm-05:50pm TTh, H 403; Maiolo, Joseph C, 4 cr
- 4909 Senior Portfolio**
(S-N only; prereq Engl major, sr)
- 84874 001 SEM; Cannan, Paul D; Bock, Martin F; Twu, Krista Sue-Lo; Schwetman, John David; Maiolo, Joseph C, 1 cr
- 4931 Practicum in Teaching Literature**
(A-F only; prereq 3906, sr, 4 other upper division literature courses and instr consent; no Grad School cr)
- 85018 001 PRC; , 4 cr
- 5097 Internship in Publishing**
(max crs 3; S-N only; prereq 8906, instr consent)
- 86782 001 IEX; , 1-3 cr
- 5116 Advanced Writing of Fiction**
(max crs 8; A-F only; prereq instr consent)
- 92300 001 SEM, 03:00pm-04:50pm MW, BohH 343, 4 cr
- 5122 Advanced Writing of Poetry**
(max crs 8; A-F only; prereq 3121 or instr consent)
- 88026 001 LEC, 12:00pm-01:50pm M, BohH 343, 12:00pm-12:50pm WF, MonH 108; Basham, Kate, 4 cr
- 5533 Studies in English Literature Before 1800**
(A-F only; prereq 6 cr lit)
- 91210 001 LEC, 02:00pm-03:50pm MW, Library 409, 4 cr
- 5562 Victorian Literature**
(A-F only; prereq 6 cr lit)
- 91215 001 LEC, 08:00am-09:50am TTh, H 403; Sigler, Carolyn, 4 cr
- 5574 Studies in American Literature to 1914**
(A-F only; prereq 6 cr lit)
- 92826 001 LEC, 08:00am-09:50am TTh, MWAH 191; Zuck, Rochelle Raineri, 4 cr
- 5577 Major American Authors**
(max crs 8; A-F only; prereq 6 cr lit)
- 91217 001 LEC, 12:00pm-01:50pm M, H 468, 12:00pm-12:50pm WF, H 314; Schwetman, John David, 4 cr
- 5582 American Novel II**
(A-F only; prereq 6 cr lit)
- 91448 001 LEC, 02:00pm-03:50pm MW, KPlz 385; Brier, Evan, 4 cr
- 5583 British Novel**
(A-F only; prereq 6 cr lit)
- 87542 001 LEC, 10:00am-11:50am TTh, BohH 104; Bock, Carol Ann, 4 cr
- 5591 Independent Study**
(max crs 8; 8 repeats allowed; A-F only; prereq instr consent, max 6 cr may be applied to Grad School program)
- 91226 001 LEC, 1-5 cr
- 5664 Small Presses, Little Magazines, and Modernism**
(A-F only; prereq Jr or sr or grad student or instr consent)
- 91218 001 LEC, 10:00am-11:50am MW, Cina 106; Bock, Martin F, 4 cr
- 8181 Seminar in British Literature, Late 18th - 20th Century**
(A-F only)
- 91223 001 SEM, 12:00pm-01:50pm TTh, H 403; Sigler, Carolyn, 4 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
- 85110 001 DRS; Twu, Krista Sue-Lo, 1 cr

- 8444 FTE: Doctoral**
(NGA; prereq doctoral student, adviser and DGS consent)
- 84552 001 DRS; Twu, Krista Sue-Lo, 1 cr
- 8888 Thesis Credits: Doctoral**
(max crs 100; 10 repeats allowed; NGA; prereq [max 18 cr per semester or summer]; 24 cr required)
- 84624 001 THE; Twu, Krista Sue-Lo, 1-24 cr
- 8931 Practicum in Teaching Literature**
(A-F only; prereq 8 cr grad-level literature or instructor consent)
- 85112 001 PRC; , 4 cr

ENVIRONMENTAL EDUCATION (EnEd)**College of Education & Human Service Professions**

- 1000 Introduction to Outdoor Recreation**
(A-F only; prereq Credit will not be granted if credit has been received for: [REC 1000])
- 85050 001 LEC, 12:00pm-12:50pm MTWF, SpHC 212; Zmudy, Mark Howard, 4 cr
- 3309 Outdoor Leadership**
(S-N only; prereq Rec 2300, PEP 3507)
- 86418 001 LEC, 09:00am-11:00am T, SpHC 9A, 03/23/09-05/08/09; Gilbertson, Kenneth Lloyd, 1 cr
- 3342 Field Interpretive Techniques II**
(A-F only; prereq Credit will not be granted if credit has been received for: [REC 3342], 3341, instr consent)
- 83828 001 LEC, 02:00pm-05:00pm W, SpHC 9; Off campus field trip: 4/17-18.; Beery, Thomas Harold, 3 cr
85234 002 LEC, 02:00pm-05:00pm W, SpHC 9A; Off campus field trip: 4/17-18.; Bates, Timothy Alan, 3 cr
- 4555 Foundations of Environmental Education**
(A-F only; prereq Rec 2300 or instr consent)
- 86746 001 LEC, 09:30am-11:50am Th, SpHC 212; Off campus field trip: 2/23-24.; Ernst, Julie Ann, 3 cr
- 4996 Outdoor Education Internship**
(S-N only; prereq Credit will not be granted if credit has been received for: [Rec 4996], Rec major, instr consent; no Grad School cr)
- 83832 001 IEX; Beery, Thomas Harold, 12 cr
- 5167 Research and Issues in Outdoor Education**
(A-F only; prereq Credit will not be granted if credit has been received for: [Educ 5167], no Grad School cr)
- 88602 001 LEC, 09:30am-12:00pm Th, SpHC 9; Please see instructor for permission into this course.; Gilbertson, Kenneth Lloyd, 2 cr
- 5325 Environmental Issues Investigation**
(A-F only; prereq instr consent, no Grad School cr)
- 85548 731 LEC; (Course to be held at Wolf Ridge Environmental Learning Center.); Gilbertson, Kenneth Lloyd, 3 cr
- 5555 Environmental Education for Practicing Educators**
(A-F only; prereq Credit will not be granted if credit received for: [Educ 5555], no Grad School cr)
- 86806 200 INI; (Individualized Instruction-16 week course - register anytime. Initial information for INI courses is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008.), 2 cr
- 5625 Program Development and Evaluation**
(A-F only)
- 86790 001 LEC, 09:30am-11:50am T, SpHC 212; Ernst, Julie Ann, 3 cr

- 5998 Outdoor Education Seminar**
(max crs 3; 3 repeats allowed; S-N only; prereq Credit will not be granted if credit has been received for: [Rec 4998], instr consent , no Grad School cr)
- 83834 001 SEM, 04:00pm-05:00pm M, SpHC 208; Beery, Thomas Harold, 1 cr

ENVIRONMENTAL STUDIES (ES) College of Liberal Arts

- 2803 Issues in Global Ecology**
(A-F only; prereq Credit will not be granted if credit has been received for: [Biol 2803]; meets LEIP req of LEIP CAT05)
- 84862 090 LEC, 06:00pm-08:30pm W, H 403; 10 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Klemer, Andrew Robert, 3 cr
- 4001 Independent Study**
(max crs 3; A-F; prereq 60 cr or instr consent ; no Grad School credit)
- 84432 001 IND, 1-3 cr
- 5001 Environmental Studies Seminar**
(A-F; prereq ES major, 90 cr; no Grad School credit)
- 85044 001 LEC, 02:00pm-03:40pm MW, Cina 316; Mageau, Michael T, 4 cr
- 5040 Environmental Studies Internship Preparation**
(S-N; prereq ES major, no Grad School credit)
- 85746 001 LEC, 03:40pm-04:30pm T, Cina 316; Mageau, Michael T, 1 cr

EXERCISE SCIENCE ATHLETIC TRAINING (ESAT)

College of Education & Human Service Professions

- 2610 Introduction to Athletic Training**
(A-F only; prereq Credit will not be granted if credit has been received for: [PEP 2610], Pre-athletic training or instr consent)
- 86970 001 LEC, 12:00pm-12:50pm MWF, SpHC 208; Streveler, Megan Jane, 3 cr
- 2698 Clinical Experience in Athletic Training II**
(A-F only; prereq 2697, Athletic Training major)
- 85492 001 CLN, 08:00am-09:15am TTh, SpHC 22; Streveler, Megan Jane, 2 cr
- 3200 Motor Learning and Development**
(A-F only; prereq Credit will not be granted if credit has been received for: [PEP 3020], Athletic training or exercise science or pe major or cand or instr consent ;)
- 001 LEC, 01:00pm-01:50pm MTWF, SpHC 205, 01:15pm-01:50pm MTWF, SpHC 150A; Millslagle, Duane G.
- 84382 002 LAB, 02:00pm-03:15pm T, SpHC 205, 02:00pm-03:15pm T, SpHC 150A; Millslagle, Duane G., 5 cr
- 84384 003 LAB, 03:30pm-04:45pm T, SpHC 205, 03:30pm-04:45pm T, SpHC 150A; Millslagle, Duane G., 5 cr
- 3300 Human Biomechanics**
(A-F only; prereq Credit will not be granted if credit has been received for: [PEP 3030], Phys 1001, athletic training or exercise science cand or instr consent)
- 001 LEC, 09:00am-09:50am MWF, SpHC 207; Levy, Morris
- 84978 002 LAB, 08:00am-09:15am T, SpHC 205, 08:00am-09:15am T, FH25; Levy, Morris, 4 cr
- 84980 003 LAB, 09:30am-10:45am T, SpHC 205, 09:30am-10:45am T, FH25; Levy, Morris, 4 cr
- 3400 Exercise Physiology**
(A-F only; prereq Credit will not be granted if credit has been received for: [PEP 3040], Hlth 2040, athletic training or exercise science cand or instr consent)
- 001 LEC, 02:00pm-02:50pm MWF, SpHC 208; Keener PhD, John R
- 84244 002 LAB, 12:00pm-01:15pm Th, SpHC 201; Keener PhD, John R, 4 cr

- 84262 003 LAB, 02:00pm-03:15pm Th, SpHC 201; Keener PhD, John R, 4 cr
- 3410 Performance Nutrition and Weight Management**
(A-F only; prereq Credit will not be granted if credit has been received for: [PE 3470 or PEP 3470], Hlth 2030, Hlth 2040, ath trng or exer sci or instr consent)
- 82506 001 LEC, 11:00am-11:50am MTWF, SpHC 207; Harkins, Charlene Gail, 4 cr
- 3420 Exercise Testing and Prescription**
(A-F only; prereq Credit will not be granted if credit received for: [PEP 3400] 3400 or PEP 3040, athletic training or exercise science cand or instructor consent)
- 001 LEC, 10:00am-10:50am MWF, SpHC 212, 10:00am-10:50am F, FH25; Harkins, Kenneth J
- 85918 002 LAB, 08:00am-09:15am T, SpHC 201; Harkins, Kenneth J, 4 cr
- 85920 003 LAB, 09:30am-10:45am T, SpHC 201; Harkins, Kenneth J, 4 cr
- 3430 Principles of Strength and Conditioning Programs**
(A-F only; prereq Credit will not be granted if credit has been received for: [PEP 3402], 3300 or PEP 3030, 3400 or PEP 3040, athletic training or exercise science cand or instr consent)
- 001 LEC, 08:00am-08:50am MWF, SpHC 208
- 86408 002 LAB, 06:00pm-07:20pm W, SpHC 29; , 4 cr
- 3440 Clinical Exercise Physiology**
(A-F only; prereq Credit will not be granted if credit has been received for: [PEP 3404], 3420 or PEP 3400, exercise science cand or instr consent)
- 001 LEC, 12:00pm-12:50pm MWF, SpHC 207; (requires a 75 min arr lab); Harkins, Kenneth J
- 86480 002 LAB, 12:00pm-01:15pm T, SpHC 201; Harkins, Kenneth J, 4 cr
- 86484 003 LAB, 01:30pm-02:45pm T, SpHC 201; Harkins, Kenneth J, 4 cr
- 3630 Athletic Injury Evaluation I**
(A-F only; prereq Credit will not be granted if credit has been received for: [PEP 3620], 3600, athletic training major)
- 88606 001 LEC, 10:00am-10:50am MWF, SpHC 22; Streveler, Megan Jane, 3 cr
- 3640 Therapeutic Modalities**
(A-F only; prereq Credit will not be granted if credit has been received for: [PEP 3640], 3600, 3630, 3632, athletic training major.)
- 86988 001 LEC, 08:00am-08:50am MWF, SpHC 22; Gear PhD, William S, 3 cr
- 3698 Clinical Experiences in Athletic Training IV**
(A-F only; prereq 3697, Athletic Training major)
- 85496 001 CLN, 09:30am-10:45am TTh, SpHC 22; Streveler, Megan Jane, 2 cr
- 4001 Pharmacology in Athletic Training**
(A-F only; prereq 3632, 3642, 3698, Athletic Training major, no Grad School cr)
- 88604 001 LEC, 10:00am-10:50am MW, SpHC 210; Gear PhD, William S, 2 cr
- 4600 Senior Seminar Athletic Training**
(A-F only; prereq Credit will not be granted if credit has been received for: [PEP 5600], 4001, Athletic Training major, no Grad School cr)
- 86394 001 LAB, 09:00am-09:50am MWF, SpHC 22; Gear PhD, William S, 3 cr
- 4698 Clinical Experiences in Athletic Training VI**
(A-F only; prereq 4697, Athletic Training major, no Grad School credit)
- 85522 001 CLN, 12:00pm-12:50pm TTh, SpHC 22; Streveler, Megan Jane, 2 cr
- 4710 Applied and Experimental Exercise Science**
(A-F only; prereq Credit will not be granted if credit has been received for: [PEP 5041], 4700 or PEP 5700 or instr consent , exercise science cand, no Grad School cr)
- 85524 001 LEC, 02:00pm-04:00pm MW, SpHC 201; Levy, Morris, 4 cr

- 4996 Internship**
(max crs 12; 4 repeats allowed; S-N only; prereq Credit will not be granted if credit has been received for: [PEP 4996], 3420, exercise science candidate, instr consent ; no Grad School cr;)
- 83796 001 IEX; Harkins, Kenneth J, 3-12 cr

FAMILY MEDICINE (FMed) Duluth School of Medicine

- 5591 Independent Study**
(max crs 12; 12 repeats allowed; prereq Department consent)
- 84786 001 LAB; Adams, Jeffrey L, 1-8 cr
- 6101 Family Medicine**
(P-N only; prereq Regis med student)
- 84498 001 LEC; Nordehn, Glenn Herbert, 2 cr
- 6442 Clinical Rounds and Clerkship II**
(O-N; prereq Regis med student)
- 83960 001 CLN; Adams, Jeffrey L, 2 cr
- 6462 Preceptorship IV**
(P-N only; prereq Regis med student)
- 83956 001 CLN; Boulger, James G, 3 cr
- 6502 Clinical Pathology Conferences II**
(P-N only; prereq Regis med student)
- 83958 001 CST; Johns, Alan M, 1 cr
- 6997 Rural Academy of Leadership**
(P-N; prereq Preregis med, instr consent)
- 92244 001 LEC, 1 cr
- 7100 Clinical Family Medicine**
(max crs 117; 9 repeats allowed; P-N only; prereq dept consent ; no Grad School credit)
- 83922 001 CLN; Adams, Jeffrey L, 13 cr

FINANCE & MANAGEMENT INFORMATION (FMIS) Labovitz School of Business & Economics

- 2201 Information Technology in Business**
(Credit will not be granted if credit has been received for: CS 1011; A-F only; prereq LSBE student or Computer Information Systems majors, min 15 cr or college consent)
- 86134 001 LEC, 01:00pm-01:50pm MWF, LSBE 118; (LSBE students); Meets with: 86136 FMIS 2201; Person PhD, Henry B, 3 cr
- 86136 002 LEC, 01:00pm-01:50pm MWF, LSBE 118; (Computer Information System major); Meets with: 86134 FMIS 2201; Person PhD, Henry B, 3 cr
- 86396 003 LEC, 11:00am-11:50am MWF, LSBE 118; (LSBE students); Meets with: 86398 FMIS 2201; Person PhD, Henry B, 3 cr
- 86398 004 LEC, 11:00am-11:50am MWF, LSBE 118; (Computer Information Systems major); Meets with: 86396 FMIS 2201; Person PhD, Henry B, 3 cr
- 88064 005 LEC, 03:30pm-04:45pm TTh, LSBE 118; (LSBE students); Meets with: 88066 FMIS 2201; , 3 cr
- 88066 006 LEC, 03:30pm-04:45pm TTh, LSBE 118; (Computer Information Systems major); Meets with: 88064 FMIS 2201; , 3 cr
- 3141 Business Communications**
(A-F only; prereq LSBE cand or Econ major or college consent)
- 83118 001 LEC, 03:30pm-04:45pm TTh, LSBE 165; (LSBE candidates); Meets with: 84460 FMIS 3141; , 3 cr
- 84460 002 LEC, 03:30pm-04:45pm TTh, LSBE 165; (Economics majors); Meets with: 83118 FMIS 3141; , 3 cr
- 83120 003 LEC, 11:00am-12:15pm TTh, LSBE 165; (Accounting majors and candidates only); Meets with: 84462 FMIS 3141; Wang, Junhua, 3 cr
- 84462 004 LEC, 11:00am-12:15pm TTh, LSBE 165; Meets with: 83120 FMIS 3141; Wang, Junhua, 3 cr
- 85502 005 LEC, 02:00pm-03:15pm TTh, LSBE 165; (LSBE candidates); Meets with: 85504 FMIS 3141; Wang, Junhua, 3 cr
- 85504 006 LEC, 02:00pm-03:15pm TTh, LSBE 165; (Economics majors); Meets with: 85502 FMIS 3141; Wang, Junhua, 3 cr

85506	007 LEC, 03:00pm-03:50pm MWF, LSBE 165; (LSBE candidates); Meets with: 85508 FMIS 3141; , 3 cr	85516	008 LEC, 06:00pm-08:40pm W, LSBE 125; (Non-LSBE Bus Adm minors); Meets with: 85514 FMIS 3601; Lunde, Lai La Sha, 3 cr	4006	Comm 4949, Intercultural Communication Practicum (max crs 20; S-N only; prereq Admitted to an approved Study Abroad Program, required consent from the International Education Office.)
85508	008 LEC, 03:00pm-03:50pm MWF, LSBE 165; (Economics majors); Meets with: 85506 FMIS 3141; , 3 cr	3612	Managerial Finance (A-F only; prereq 3601, LSBE cand or college consent)	91503	001 LEC, 12/31/08-01/16/09; J Term, 1-20 cr
85772	009 LEC, 12:00pm-12:50pm MWF, LSBE 165; (LSBE candidates); Meets with: 85774 FMIS 3141; , 3 cr	83140	001 LEC, 12:00pm-12:50pm MWF, LSBE 225; Dhatt, Manjeet, 3 cr	4216	IntB 4495, International Business in India (max crs 20; prereq Admission to an approved study abroad course. Required consent from the International Education Office.)
85774	010 LEC, 12:00pm-12:50pm MWF, LSBE 165; (Economics majors); Meets with: 85772 FMIS 3141; , 3 cr	86930	002 LEC, 03:00pm-03:50pm MWF, LSBE 225; Dhatt, Manjeet, 3 cr	88828	001 LEC, 12/20/08-09/01/09; Vaidyanathan, Rajiv; Roline, Alan C, 1-20 cr
3222	Systems Analysis and Design (A-F only; prereq 2201, LSBE cand or college consent.)	3619	Analysis of Financial Statements (Credit will not be granted if credit has been received for: ACCT 3619; A-F only; prereq 3601, LSBE candidate or instr consent)		
83122	001 LEC, 01:00pm-01:50pm MWF, LSBE 237; , 3 cr	86752	001 LEC, 08:00am-08:50am MWF, LSBE 229; Xiao, Yibo, 3 cr		
3230	Extensible Markup Language and its Applications (A-F only; prereq 2201 or 3201, LSBE candidate, or college consent)	87618	002 LEC, 11:00am-11:50am MWF, LSBE 225; Xiao, Yibo, 3 cr		
85764	001 LEC, 11:00am-11:50am MWF, LSBE 237; Lee, Seung Chan, 3 cr	3644	Investment Fundamentals (A-F only; prereq 3601, LSBE cand or college consent)		
3232	Visual Web Programming (A-F only; prereq 2201 or 3201, LSBE candidate or college consent)	83142	001 LEC, 03:00pm-03:50pm MWF, LSBE 129; , 3 cr		
85768	001 LEC, 02:00pm-02:50pm MWF, LSBE 237; Lee, Seung Chan, 3 cr	91111	002 LEC, 08:00am-08:50am MWF, LSBE 225; , 3 cr		
3291	Independent Study MIS (Credit will not be granted if credit has been received for: FMIS 3691; max crs 3; A-F; prereq dept consent)	3647	Financial Markets and Institutions (A-F only; prereq 3601, LSBE cand or college consent)		
88466	001 IND; Wong, Shee Q, 1-3 cr	83158	001 LEC, 09:30am-10:45am TTh, LSBE 229; Deng, Saiying, 3 cr		
3301	Production and Operations Management (A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)	91308	002 LEC, 11:00am-12:15pm TTh, LSBE 125; Deng, Saiying, 3 cr		
83124	001 LEC, 01:00pm-01:50pm MWF, LSBE 135; (LSBE candidates); Meets with: 84464 FMIS 3301; Lievano, Rodrigo J, 3 cr	3655	Risk Management and Insurance (A-F only; prereq 3601, LSBE candidate or instr consent)		
84464	002 LEC, 01:00pm-01:50pm MWF, LSBE 135; (Non-LSBE Bus Adm minors); Meets with: 83124 FMIS 3301; Lievano, Rodrigo J, 3 cr	91112	001 LEC, 02:00pm-03:15pm TTh, LSBE 125; Deng, Saiying, 3 cr		
85160	003 LEC, 04:00pm-05:15pm MW, LSBE 135; (LSBE candidates); Meets with: 85162 FMIS 3301; Lievano, Rodrigo J, 3 cr	3691	Independent Study Finance (Credit will not be granted if credit has been received for: FMIS 3291; max crs 3; A-F; prereq dept consent)		
85162	004 LEC, 04:00pm-05:15pm MW, LSBE 135; (Non-LSBE Bus Adm minors); Meets with: 85160 FMIS 3301; Lievano, Rodrigo J, 3 cr	84348	001 IND; Wong, Shee Q, 1-3 cr		
85164	005 LEC, 03:00pm-03:50pm MWF, LSBE 135; (LSBE candidates); Meets with: 85166 FMIS 3301; Person PhD, Henry B, 3 cr	4225	Advanced Applications Development (A-F; prereq 3220, 3222, MIS major or college consent)		
85166	006 LEC, 03:00pm-03:50pm MWF, LSBE 135; (Non-LSBE Bus Adm minors); Meets with: 85164 FMIS 3301; Person PhD, Henry B, 3 cr	85748	001 LEC, 12:00pm-12:50pm MWF, LSBE 229; Lee, Seung Chan, 3 cr		
85510	007 LEC, 08:00am-09:15am TTh, LSBE 125; (LSBE candidates); Meets with: 85512 FMIS 3301; Klingner, Jill M, 3 cr	4624	Applied Portfolio Management (A-F only; prereq 4616, 4620, dept consent; no Grad School credit)		
85512	008 LEC, 08:00am-09:15am TTh, LSBE 125; (Non-LSBE Bus Adm minors); Meets with: 85510 FMIS 3301; Klingner, Jill M, 3 cr	85318	001 LAB, 08:00am-09:15am TTh, LSBE 112; Artim, Joseph Keith, 3 cr		
3397	LSBE Internship (A-F only; prereq Admitted to LSBE candidacy, consent of internship director)	4644	Portfolio Management (A-F only; prereq 3644, LSBE candidate)		
84346	001 IEX; Kaas, Duane A, 3 cr	86004	001 LEC, 01:00pm-02:15pm MW, LSBE 225; Xiao, Yibo, 3 cr		
3601	Corporation Finance (A-F only; prereq LSBE cand or approved non-LSBE bus adm minor or college consent)	91149	002 LEC, 03:00pm-04:15pm MW, LSBE 229; Xiao, Yibo, 3 cr		
83136	001 LEC, 10:00am-10:50am MWF, LSBE 135; (LSBE candidates); Meets with: 84466 FMIS 3601; Vizanko, James, 3 cr				
84466	002 LEC, 10:00am-10:50am MWF, LSBE 135; (Non-LSBE Bus Adm minors); Meets with: 83136 FMIS 3601; Vizanko, James, 3 cr				
83138	003 LEC, 08:00am-08:50am MWF, LSBE 129; (LSBE candidates); Meets with: 84468 FMIS 3601; Vizanko, James, 3 cr				
84468	004 LEC, 08:00am-08:50am MWF, LSBE 129; (Non-LSBE Bus Adm minors); Meets with: 83138 FMIS 3601; Vizanko, James, 3 cr				
84954	005 LEC, 08:00am-09:15am TTh, LSBE 129; (LSBE candidates); Meets with: 84956 FMIS 3601; Dhatt, Manjeet, 3 cr				
84956	006 LEC, 08:00am-09:15am TTh, LSBE 129; (Non-LSBE Bus Adm minors); Meets with: 84954 FMIS 3601; Dhatt, Manjeet, 3 cr				
85514	007 LEC, 06:00pm-08:40pm W, LSBE 125; (LSBE candidates); Meets with: 85516 FMIS 3601; Lunde, Lai La Sha, 3 cr				

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

1102	Beginning French II (A-F only; prereq 1-2 yrs high school Fr or 1101 or instr consent; meets LE req of LE CAT3)
87754	001 LEC, 08:00am-08:50am MTThF, H 464; Jenny, Yolande J, 4 cr
1202	Intermediate French II (A-F only; prereq 4 yrs high school Fr or 1201 or instr consent; meets LEIP req of LEIP CAT03)
82576	001 LEC, 12:00pm-12:50pm MTThF, H 490; Kovacovic, Milan, 4 cr
2315	French Cinema (A-F only; meets LEIP req of LEIP CAT09)
84868	090 LEC, 06:00pm-09:30pm Th, H 403; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 5 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Kovacovic, Milan, 4 cr
3302	Advanced French Composition and Conversation (A-F only; prereq 2301 with grade of C or higher)
87756	001 SEM, 12:00pm-12:50pm MTThF, H 464; Jenny, Yolande J, 4 cr
3591	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq 2301 with C or better, instr consent)
82594	001 IND, 1-4 cr
4472	French Classical Literature (A-F only; prereq 2301 or equiv with C or better or instr consent; no Grad School credit)
90459	001 LEC, 03:00pm-04:50pm TTh, H 490; Kovacovic, Milan, 4 cr

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

1202	World Regional Geography (A-F; meets LEIP req of LEIP CAT08)
84668	001 LEC, 08:00am-09:15am TTh, LSci 185; Pine, Adam Marc, 3 cr
1304	Human Geography (A-F; meets LECD req of LECD CAT06)
86792	001 LEC, 09:30am-10:45am TTh, MonH 70; Hartley, Susan R, 3 cr
1414	Physical Geography (A-F; meets LE req of LE CAT4)
	001 LEC, 11:00am-11:50am MWF, MonH 80; Farrell, Pat
82680	002 LAB, 08:00am-09:50am T, Cina 316; Farrell, Pat, 4 cr
82682	003 LAB, 08:00am-09:50am Th, Cina 316; Farrell, Pat, 4 cr
82684	004 LAB, 09:00am-10:50am M, Cina 316; Farrell, Pat, 4 cr
82686	005 LAB, 09:00am-10:50am W, Cina 316; Farrell, Pat, 4 cr
84784	006 LAB, 09:00am-10:50am F, Cina 316; Farrell, Pat, 4 cr
84958	007 LAB, 12:00pm-01:50pm M, Cina 316; Farrell, Pat, 4 cr
85168	008 LAB, 12:00pm-01:50pm W, Cina 316; Farrell, Pat, 4 cr
85464	009 LAB, 12:00pm-01:50pm F, Cina 316; Farrell, Pat, 4 cr
2306	Environmental Conservation (A-F; meets LE req of LE CAT8)
82670	001 LEC, 02:00pm-03:15pm TTh, Cina 308; Zhu, Tongxin, 3 cr

2405	Geography of Cultural Diversity (A-F)		GEOLOGY (Geol)		3180	Teaching Assistant Experience I (max crs 6; 3 repeats allowed; S-N; prereq 2110, 2120, 2311, 2312, geological sciences major, instr consent (Max 2 cr can be applied toward geological sciences major.))
88114	001 LEC, 02:00pm-03:15pm TTh, H 468; Chattopadhyay, Sutapa, 3 cr		1110	Geology and Earth Systems (A-F only; meets LE req of LE CAT4)	87560	001 IND, 1-2 cr
2552	Introduction to Maps and Cartographic Methods (A-F; meets LE req of LE CAT2)		82854	001 LEC, 02:00pm-02:50pm MWF, LSci 175; Gran, Karen B	4091	Geologic Problems and Research (max crs 4; A-F only; prereq instr consent, no Grad School cr)
85170	001 LEC, 09:00am-09:50am MWF, MonH 70; Carlson MS, Kate, 3 cr		82858	002 LAB, 03:00pm-04:50pm M, Chem 206; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009, 4 cr	86840	001 DRS, 1-2 cr
3335	Urban Planning (A-F; prereq Min 30 cr incl 3 cr Geog)		82858	004 LAB, 08:00am-09:50am T, Chem 206, 4 cr	4110	Advanced Earth Science for Teachers (A-F only; prereq 1110, teaching science majors or grad student or instr consent)
88954	001 LEC, 02:00pm-03:15pm TTh, Cina 106; Pine, Adam Marc, 3 cr		82860	005 LAB, 10:00am-11:50am T, Chem 206, 4 cr	85766	001 LEC, 03:00pm-04:50pm T, HH 120; Morton, Penelope, 2 cr
3401	Weather and Climate (A-F; prereq 1414, 25 cr or instr consent)		82862	006 LAB, 04:00pm-05:50pm T, Chem 206, 4 cr	4180	Teaching Assistant Experience II (max crs 4; S-N; prereq Geol core, geological sciences major, instr consent; max 2 cr can be applied toward geological sciences major; cr cannot be applied to a Grad School program)
91227	001 LEC, 02:00pm-02:50pm MWF, Cina 202; Farrell, Pat, 3 cr		82864	007 LAB, 10:00am-11:50am Th, Chem 206; Gran, Karen B, 4 cr	87628	001 IND, 1-2 cr
3461	Geography of Global Resources (A-F; prereq Min 30 cr or instr consent)		82866	008 LAB, 03:00pm-04:50pm W, Chem 206; Gran, Karen B, 4 cr	4210	Glacial and Quaternary Geology (A-F only; prereq Credit will not be granted if credit has been received for: [5210], 3210 or grad student or instr consent.)
86116	001 LEC, 11:00am-11:50am MWF, Cina 316; Mageau, Michael T, 3 cr		82870	010 LAB, 10:00am-11:50am F, Chem 206, 4 cr	001 LEC, 11:00am-12:15pm TTh, HH 216; Colman, Steve; Mooers, Howard D	
3481	Urban Ecology (A-F)		1130	Introduction to Environmental Science (A-F only; meets LEIP req of LEIP CAT04)	91183	002 LAB, 01:00pm-02:50pm F, HH 114; Colman, Steve; Mooers, Howard D, 3 cr
92532	001 LEC, 08:00am-09:15am TTh, Cina 308; Kuhlke, Olaf, 3 cr		83436	001 LEC, 10:00am-10:50am MWF, LSci 185; Gallup, Christina D	4450	Structural Geology (A-F only; prereq Credit will not be granted if credit has been received for: [3520], 2312 or instr consent)
3532	Map Design and Graphic Methods (A-F; prereq 2552 or instr consent; Stat 1411 recommended)		83438	002 LAB, 11:00am-12:50pm T, Chem 207, 4 cr	001 LEC, 01:00pm-02:50pm M, Chem 207, 01:00pm-01:50pm W, Chem 207,	
82772	001 LEC, 11:00am-11:50am MWF, H 458; Carlson MS, Kate		83440	003 LAB, 11:00am-12:50pm M, Chem 207; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009, 4 cr	85966	002 LAB, 03:00pm-04:50pm M, Chem 207, 02:00pm-03:50pm W, Chem 207; , 5 cr
82772	002 LAB, 12:00pm-01:15pm MWF, H 458; Carlson MS, Kate, 4 cr		83442	004 LAB, 11:00am-12:50pm W, Chem 207, 4 cr	4480	Tectonics (A-F only; prereq Credit will not be granted if credit has been received for: [5500], 2120, 4450, or grad student or instr consent)
3991	Independent Study in Geography (max crs 6; 6 repeats allowed; A-F; prereq instr consent)		83444	005 LAB, 01:00pm-02:50pm F, Chem 207, 4 cr	87090	001 LEC, 02:00pm-03:15pm TTh, Chem 207, 3 cr
82782	001 IND; , 1-4 cr		83446	006 LAB, 04:00pm-05:50pm W, Chem 207, 4 cr	4820	Global Geophysics (A-F only; prereq Credit will not be granted if credit has been received for: [5820], 2120, Math 1290 or 1296 or grad student or instr consent)
3997	Internship in Geography (max crs 8; 8 repeats allowed; prereq Geog major, 60 cr or instr consent)		83448	007 LAB, 08:00am-09:50am Th, Chem 207, 4 cr	91184	001 LEC, 10:00am-11:15am MW, HH 238; Wattrus, Nigel James, 3 cr
83864	001 IEX; , 1-6 cr		85152	008 LAB, 12:00pm-01:50pm Th, Chem 207, 4 cr	5091	Geologic Problems (max crs 4; 4 repeats allowed; prereq Graduate Student or instr consent)
4394	Gender, Space and Culture (A-F; prereq Min 75 cr inc 6 cr geog or instr consent)		2110	Earth History (A-F; prereq 1110 or 1130 or 2610 or Ast 1040 or Geog 1414 or instr consent)	83910	001 DRS, 1-2 cr
91267	090 LEC, 05:00pm-06:40pm MW, Cina 316; 4 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Knopp Jr, Lawrence M, 4 cr		88506	009 LAB, 08:00am-09:50am F, Chem 207, 4 cr	8094	Geologic Research (max crs 6; A-F only; prereq Instructor consent)
4580	Introduction to Remote Sensing and Image Interpretation (A-F; prereq 2552, 4563, 4564; course in computer programming, introductory statistics recommended)		2111	Earth History Laboratory (A-F; prereq 1110 or 1130 or 2610 or Ast 1040 or Geog 1414 or instr consent)	83926	001 DRS, 1-6 cr
89016	001 LEC, 09:00am-11:50am TTh, H 458; Carlson MS, Kate, 4 cr		88508	001 LEC, 09:00am-09:50am MWF, Chem 150; Johnson, Thomas Charles, 3 cr	8333	FTE: Master's (NGA; prereq Master s student, adviser and DGS consent)
5446	Water Processes and Management (A-F; prereq 1414 or grad student)		2312	Petrology (A-F only; prereq 2311)	82516	001 DRS, 1 cr
88460	001 LEC, 10:00am-11:40am TTh, Cina 316; Zhu, Tongxin, 4 cr		83284	001 LEC, 11:00am-11:50am MWF, HH 216; Miller, Jim	8444	FTE: Doctoral (NGA; prereq prereq doctoral student, adviser and DGS consent)
5541	Environmental Application of GIS (A-F; prereq 4563 or instr consent)		87078	002 LAB, 10:00am-11:50am TTh, HH 118; Miller, Jim, 5 cr	84554	001 DRS, 1 cr
84960	001 LAB, 06:00pm-09:50pm W, H 458; Zhu, Tongxin, 4 cr		3000	Geologic Maps (A-F only; prereq 1110 or 1130 or Geog 1414)	8666	Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))
5612	Field Techniques (A-F; prereq Min 60 cr incl 12 cr geog or grad student or instr consent)		87566	001 LEC, 08:00am-08:50am M, Chem 207; Miller, Jim	84572	001 THE, 1-6 cr
91224	001 LEC, 02:00pm-03:40pm TTh, Cina 316; Kuhlke, Olaf, 4 cr		3091	Independent Study (max crs 4; 4 repeats allowed; prereq instr consent)	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))
5991	Independent Study in Geography (max crs 6; 6 repeats allowed; A-F; prereq Max 4 cr can be applied to Graduate School program; instr consent)		83742	002 LAB, 02:00pm-03:50pm TTh, Chem 206; Miller, Jim, 3 cr	84604	001 THE, 1-18 cr
82792	001 IND; , 1-4 cr		3100	Earth's Climate and Environment: Past and Future (A-F only; prereq 1110 or 1130 or 1610, Chem 1151)		
5999	Senior Project in Geography (max crs 4; A-F; prereq instr consent ; Max 3 cr can be applied to Grad School program)		87086	001 LEC, 12:00pm-12:50pm MWF, HH 216; Gallup, Christina D, 3 cr		
84344	001 DRS, 04:00pm-04:50pm MWF, Cina 316; , 3-4 cr					

8888 Thesis Credits: Doctoral
(max crs 100; 10 repeats allowed; NGA; prereq [max 18 cr per semester or summer]; 24 cr required)
84626 001 THE, 1-24 cr

GERMAN (Ger)**College of Liberal Arts**

1102 Beginning German II
(A-F only; prereq 1-2 yrs high school Ger or 1101 or instr consent; meets LE req of LE CAT3)
82548 001 LEC, 09:00am-09:50am MTThF, Engr 118; Zinn, Gesa, 4 cr
91170 002 LEC, 08:00am-08:50am MTThF, Engr 118; Mullins, Michael John, 4 cr

1202 Intermediate German II
(A-F only; prereq 4 yrs high school Ger or 1201 or instr consent; meets LEIP req of LEIP CAT03)
82550 001 LEC, 09:00am-09:50am MTThF, H 464; Mullins, Michael John, 4 cr
84870 002 LEC, 02:00pm-02:50pm MTThF, Engr 118; Mullins, Michael John, 4 cr

2402 Germany Today
(A-F only; prereq Cr will not count toward Ger major or minor; meets LEIP req of LEIP CAT08)
91316 090 LEC, 3 cr

3302 Advanced Composition and Conversation
(A-F only; prereq 2301)
85100 001 SEM, 10:00am-10:50am MTThF, H 464; Hylenski, Kristen, 4 cr

3403 Page and Stage: German Theater and Performance
(A-F only; prereq 2301 with a grade of C or higher or instr consent)
90519 001 LEC, 01:00pm-02:50pm TTh, H 464; Hylenski, Kristen, 4 cr

3591 Independent Study
(max crs 8; 8 repeats allowed; A-F only; prereq 2301 with a grade of C or higher or equiv or instr consent)
82552 001 IND, 1-4 cr

4305 German Cinema
(A-F only; prereq 2301 with a grade of C or higher or instructor's consent; no Grad School credit)
90455 001 LEC, 04:00pm-08:00pm M, H 403; Zinn, Gesa, 4 cr

GRADUATE SCHOOL (Grad)
UMD-Academic Administration

999 Graduate School Active Status
(90 repeats allowed; NGA; prereq Grad School Students Only)
85296 001 IND, 0 cr

HEALTH (Hlth)**College of Education & Human Service Professions**

1100 Health and Wellness Strategies for Life
(A-F only; meets LE req of LE CAT8)
84962 001 LEC, 11:00am-11:50am MWF, SpHC 208; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Skrbich, Karen O, 3 cr
85006 002 LEC, 01:00pm-01:50pm MWF, SpHC 212; (CE Reserve seats will be available to UMD students on Jan 15, 2008.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Wendinger, Patricia J, 3 cr
85370 003 LEC, 09:00am-09:50am MWF, SpHC 210; (CE Reserve seats will be available to UMD students on Jan 15, 2008.); Harkins, Charlene Gail, 3 cr

1104 Health Science Terminology
(max crs 3; 3 repeats allowed; A-F only)
82596 200 INI; (1-3 credits - Individualized Instruction-16 week course - register anytime. Initial information for INI courses is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin. Curriculum is delivered online; students must take tests on campus. Test times may be arranged with instructor. CE reserved seats will be available January 15, 2008) Tests will be administered in H 470 on Tuesdays from 11-11:50 am during S09. Contact instructor to arrange alternate test times.; 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Skrbich, Karen O, 1-3 cr

1470 Human Nutrition
(A-F only; meets LE req of LE CAT5)
82598 001 LEC, 01:00pm-01:50pm MWF, LSci 185; (CE Reserve seats will be available to UMD students on Jan 15, 2008.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Harkins, Charlene Gail, 3 cr
82600 500 LEC; (Online Individualized Instruction-Students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by April 30, 2009. No exceptions. Initial course information will be sent to you via your UMD email account. Open CE Reserve seats will be available to UMD students 01/13/09); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Harkins, Charlene Gail, 3 cr

1600 Basic First Aid and CPR
(A-F only)
83720 001 LEC, 08:00am-08:50am MW, SpHC 8; Skrbich, Karen O, 2 cr
83722 002 LEC, 10:00am-10:50am MW, SpHC 8; Skrbich, Karen O, 2 cr
85048 003 LEC, 08:00am-08:50am TTh, SpHC 8; Fleissner, Elizabeth A, 2 cr
85914 004 LEC, 12:00pm-12:50pm TTh, SpHC 8; Fleissner, Elizabeth A, 2 cr

1650 CPR/AED for the Professional Rescuer
(A-F only)
86822 001 LEC, 01:00pm-01:50pm MW, SpHC 8, 01/20/09-03/13/09; Streveler, Megan Jane, 1 cr
84438 090 LEC, 06:00pm-09:00pm M, SpHC 8, 03/23/09-05/08/09; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 4 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Wendinger, Michael J, 1 cr

1700 First Responder
(A-F only)
83902 001 LEC, 12:00pm-12:50pm MWF, SpHC 8; Fleissner, Elizabeth A, 3 cr
84754 002 LEC, 09:30am-10:45am TTh, SpHC 8; Skrbich, Karen O, 3 cr

2030 Applied Human Anatomy
(A-F only; prereq Athletic training, hlth ed or pe or exer sci or rec major or cand, [Biol 1001 or Biol 1011] and [Chem 1102 or Chem 1113])
001 LEC, 01:00pm-01:50pm MTWF, Engr 280; Nierengarten, Mark Edward
91018 002 LAB, 08:00am-09:15am Th, SpHC 207; Nierengarten, Mark Edward, 4 cr

2040 Principles of Human Physiology
(A-F only; prereq Athletic training or hlth ed or pe or rec or exer sci majors or cand or hlth ed minor, 1 sem each of college Biol, Chem, Anat recommended)
83798 001 LEC, 11:00am-11:50am MTWF, MonH 203; Keener PhD, John R, 4 cr

3101 Community Health
(A-F only)
83818 001 LEC, 02:00pm-03:15pm TTh, SpHC 208; Tornabene, Ladona L, 3 cr

3117 Principles of Sex Education
(A-F only; prereq hlth ed cand or instr consent)
82654 001 LEC, 09:30am-10:45am TTh, SpHC 207; Keeney, Georgia Lynn, 3 cr

3118 Women's Health Issues
(A-F only)
82668 090 LEC, 06:00pm-08:50pm T, SpHC 208; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 4 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Doane PhD, H Mitzi, 3 cr

3161 School Health Programs: Early Childhood through Middle School
(A-F only; prereq EId 1010 and completion of 45 cr, el/middle school educ, hlth ed or ECh cand or pre el/middle school educ majors)
83600 001 LEC, 03:00pm-04:50pm M, SpHC 207; Skrbich, Karen O, 2 cr
85240 002 LEC, 01:00pm-01:50pm TTh, SpHC 207; Skrbich, Karen O, 2 cr

3202 Drug Education
(A-F only; prereq 45 cr, for students seeking and admitted to the STEP (Secondary Teaching Education program), cand in health education, physical education, exercise science and communication sciences and disorders or instr consent.)
82756 001 LEC, 02:00pm-02:50pm TTh, MonH 80; Skrbich, Karen O, 2 cr

3301 Foundations of Health Education
(A-F only; prereq 1100, hlth ed cand or instr consent)
88002 001 LEC, 10:00am-10:50am MWF, SpHC 208; Keeney, Georgia Lynn, 3 cr

3302 School Health Education Methods and Materials
(A-F only; prereq 3301, hlth ed cand or instr consent)
82754 001 LEC, 01:00pm-01:50pm MWF, SpHC 207; Keeney, Georgia Lynn, 3 cr

3303 Health Education and Promotion Program
(Credit will not be granted if credit has been received for: HLTH 3450; A-F only; prereq Concurrent registration is required (or allowed) in 3301, hlth ed cand or instr consent)
87798 001 LEC, 09:30am-10:45am TTh, SpHC 210; Versnik Nowak, Amy L, 3 cr

3305 Community Health Methods and Strategies
(A-F only; prereq 3301, 3303, hlth ed cand or instr consent)
85526 001 LEC, 08:00am-09:15am TTh, SpHC 210, 08:00am-09:15am TTh, MonH 239; Versnik Nowak, Amy L, 3 cr

3500 Environmental Health
(A-F only; prereq hlth ed cand or instr consent)
83812 001 LEC, 12:00pm-12:50pm TTh, SpHC 207; Versnik Nowak, Amy L, 3 cr

3992 Readings in Health
(max crs 4; A-F only; prereq instr consent)
86818 001 DRD; Doane PhD, H Mitzi, 1-4 cr

4000 Professional Issues for Health Educators
(A-F only; prereq 3305, hlth ed candidate or instr consent; no Grad School cr)
87800 001 LEC, 02:00pm-05:50pm W, SpHC 207; Tornabene, Ladona L, 4 cr

4996 Internship in Health Education
(max crs 15; 3 repeats allowed; S-N only; prereq hlth ed major, instr consent; no Grad School credit)
83822 001 IEX; Tornabene, Ladona L, 1-15 cr

5341 Death Education
(A-F only; prereq No Grad School credit)
88658 001 LEC, 02:00pm-04:40pm Th, SpHC 210; Doane PhD, H Mitzi, 3 cr

HEALTH CARE MANAGEMENT (HCM)**Labovitz School of Business & Economics**

4560 International Comparisons of Health Care Systems
(A-F; prereq LSBE candidate or college consent, no Grad School cr)
91134 001 LEC, 06:00pm-08:40pm M, LSBE 129; Schultz, Jennifer, 3 cr

- 4570 Health Care Quality Management**
(A-F; prereq 4520, LSBE cand or college consent; no Grad School cr)
87648 001 LEC, 04:00pm-05:15pm MW, LSBE 129; Klingner, Jill M, 3 cr
- 4591 Independent Study**
(max crs 3; A-F; prereq LSBE candidate, instr consent, no Grad School cr)
86882 001 IND; Schultz, Jennifer, 1-3 cr
- 4597 Internship**
(A-F; prereq LSBE candidate, consent of program director or internship director, no Grad School cr)
86852 001 IEX; Schultz, Jennifer, 3 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 hith ed or pe or exer sci or rec cand or instr consent)
84690 001 LEC, 11:00am-11:50am MWF, SpHC 212; , 3 cr
- 3100 Risk Management**
(A-F only; prereq exer sci or rec cand or instr consent)
86990 001 LEC, 08:00am-08:50am MW, SpHC 210; Beery, Thomas Harold, 2 cr
- 3200 Research and Evaluation in Health Science**
(A-F only; prereq Min 60 cr, Health ed major or minor or rec major or minor or instr consent)
83880 001 LEC, 02:00pm-03:15pm TTh, SpHC 212; Ernst, Julie Ann, 3 cr

HISTORY (Hist)

College of Liberal Arts

- 1207 Dawn of Modern Europe**
(A-F only; meets LE req of LE CAT7)
91243 090 LEC, 06:00pm-08:50pm Th, ABAH 235; 12 seats reserved for Continuing Education - EXPIRES 13-JAN-2009, 3 cr
- 1208 Europe in the Modern Age**
(A-F only; meets LE req of LE CAT7)
91148 001 LEC, 3 cr
85882 090 LEC, 06:00pm-08:50pm T, ABAH 235; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 10 seats reserved for Continuing Education; Yelengi, Nkasa Tekilaz, 3 cr
- 1305 US History Part II: 1865-Present**
(A-F only; meets LE req of LE CAT7)
86406 001 LEC, 02:00pm-03:15pm TTh, ABAH 235; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 12 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Trolander, Judith A, 3 cr
- 2245 Science and Society: 1500 to Present**
(A-F only; meets LE req of LE CAT7)
85946 001 LEC, 09:00am-09:50am MWF, ABAH 235; Matthews, Steve, 3 cr
- 2265 Russia in the 20th Century**
(A-F only; meets LEIP req of LEIP CAT07)
88040 001 LEC, 12:00pm-12:50pm MWF, MonH 203; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Pogorelskin, Alexis E, 3 cr
- 2357 Women in American History**
(A-F only; meets LECD req of LECD CAT07)
86402 001 LEC, 06:00pm-08:50pm T, H 490; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Trolander, Judith A, 3 cr
- 2515 Precolonial Africa**
(A-F only; meets LECD req of LECD CAT07)
91146 001 LEC, 10:00am-10:50am MWF, H 314; Yelengi, Nkasa Tekilaz, 3 cr

- 2525 Islamic Societies**
(A-F only; meets LEIP req of LEIP CAT07)
92269 001 LEC, 08:00am-09:15am TTh, VKH 221; Stanfield-Johnson, Rosemary, 3 cr
- 3021 The Age of the Heroes: Homer and his World**
(A-F only; prereq Credit will not be granted if credit has been received for: [HmCI 3021 or CSt 3021], Min 30 cr)
88046 001 LEC, 06:00pm-08:50pm W, ABAH 225; Marchese, Ron T., 3 cr
- 3041 The Roman Empire**
(A-F only; prereq Credit will not be granted if credit has been received for: [HmCI 3041])
86404 001 LEC, 06:00pm-08:50pm T, ABAH 245; Marchese, Ron T., 3 cr
- 3091 Directed Readings in History**
(max crs 16; 16 repeats allowed; A-F only; prereq instr consent)
82824 001 DRD; Pogorelskin, Alexis E, 1-4 cr
- 3095 Special Topics: (Various Titles to be Assigned)**
(max crs 4; A-F only)
91102 001 LEC, 02:00pm-02:50pm MWF, ABAH 235; , 1-4 cr
91103 002 LEC, 03:00pm-03:50pm MWF, ABAH 235; , 1-4 cr
- 3097 Internship in History**
(max crs 6; 6 repeats allowed; A-F only; prereq 60 cr, instr consent)
82822 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, instr consent)
86006 001 PRC, 3 cr
- 3238 History of Christianity: Origins to 1054**
(A-F)
88932 001 LEC, 02:00pm-02:50pm MWF, ABAH 245; Matthews, Steve, 3 cr
- 3244 History of Holocaust**
(A-F only)
85154 090 LEC, 06:00pm-08:50pm W, ABAH 245; (Open CE reserved seats will be available to UMD students on January 13, 2009.); 12 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Pogorelskin, Alexis E, 3 cr
- 3264 Imperial Russia**
(A-F only)
88038 001 LEC, 10:00am-10:50am MWF, Cina 102; Pogorelskin, Alexis E, 3 cr
- 3320 American Popular Culture, 1940 to the Present**
(A-F only)
87552 001 LEC, 03:30pm-04:45pm TTh, ABAH 245; Laderman, Scott, 3 cr
- 3335 From Alexander to Mohammad**
(A-F only; prereq Credit will not be granted if credit has been received for: [HmCI 3335])
87050 001 LEC, 02:00pm-03:15pm TTh, ABAH 245; Marchese, Ron T., 3 cr
- 3386 The United States and the World since 1898**
(A-F only; prereq Credit will not be granted if credit has been received for: [3384 and 3385], students will receive credit if 3384 (only) or 3385 (only) were taken.)
86800 001 LEC, 11:00am-11:50am T, ABAH 225, 11:00am-12:50pm Th, ABAH 225; Laderman, Scott, 3 cr
- 3396 The Vietnam War**
(A-F)
87554 001 LEC, 08:00am-09:15am TTh, KPlz 312; Laderman, Scott, 3 cr
- 3505 Colloquium for Majors**
(max crs 2; S-N only; prereq Hist or teaching soc studies major/minor; attendance at 5 dept-approved lectures/discussions over 1-yr period; regis only during semester of 5th lect; (1 cr for attendance; 2 cr for attendance, presentation))
82834 001 COL, 03:00pm-03:50pm W, ABAH 245; Hannah, Eleanor L, 1-2 cr

- 3515 Modern Africa**
(A-F only)
91147 001 LEC, 01:00pm-01:50pm MWF, ABAH 225; Yelengi, Nkasa Tekilaz, 3 cr
- 3725 Islamic History from Muhammad to the Ottomans**
(A-F only; prereq 1027 or 2525 or instr consent)
92271 001 LEC, 05:00pm-06:15pm TTh, H 314; Stanfield-Johnson, Rosemary, 3 cr
- 3726 Modern Middle East: 18th Century-Present**
(A-F only)
87048 001 LEC, 03:30pm-04:45pm TTh, ABAH 235; Stanfield-Johnson, Rosemary, 3 cr
- 4527 Middle Eastern History Through Film**
(A-F; prereq instr consent, no Grad School cr; meets LEIP req of LEIP CAT07)
91104 001 LEC, 02:00pm-05:20pm W, MonH 208; Stanfield-Johnson, Rosemary, 4 cr
- 5094 Directed Research**
(max crs 12; 3 repeats allowed; A-F only; prereq instr consent, max 4 cr may be applied to Grad School program)
82842 001 DRS, 4 cr
- 5905 History Seminar**
(max crs 8; A-F only; prereq instr consent)
88464 001 SEM, 02:00pm-05:50pm W, Cina 106; Trolander, Judith A, 4 cr

HONORS (Hon)

UMD-Academic Administration

- 400 Honors Capstone Seminar**
(S-N; prereq Honors student; meets HON req of Honors)
87558 001 DRS, 04:30pm-05:30pm W, KPlz 385, 0 cr

INDUSTRIAL ENGINEERING (IE)

Swenson College of Science & Engineering

- 1225 Introduction to Design and Manufacturing Engineering**
(Credit will not be granted if credit has been received for: IE 2222, ENGR 1210; A-F only; prereq Mech engr student or ind engr student and Math 1296 or 1596 or instr consent)
001 LEC, 08:00am-09:50am MW, Engr 204; Keranen, David J.
84998 002 LAB, 08:00am-09:50am F, Engr 204; Keranen, David J., 4 cr
003 LEC, 10:00am-11:50am MW, Engr 204; Keranen, David J.
85000 004 LAB, 10:00am-11:50am F, KPlz 143; Keranen, David J., 4 cr
005 LEC, 03:00pm-04:50pm MW, Engr 204; Keranen, David J.
87704 006 LAB, 03:00pm-04:50pm F, Engr 204; Keranen, David J., 4 cr
- 3115 Operations Research**
(A-F only; prereq Math 3280, Stat 3411, BSIE candidate or instr consent)
88294 001 LEC, 01:00pm-02:50pm TTh, BohH 90, 01:00pm-02:50pm T, H 470; Chen, Hongyi, 4 cr
- 3122 Materials Engineering Laboratory**
(A-F; prereq 1225, &3130)
001 LEC, 04:00pm-04:50pm M, Chem 155; Dryke, Jake
88298 002 LAB, 01:00pm-02:50pm T, VKH 168; Dryke, Jake, 2 cr
88300 003 LAB, 01:00pm-02:50pm Th, VKH 168; Dryke, Jake, 2 cr
88836 005 LAB, 10:00am-11:50am T, VKH 168; Dryke, Jake, 2 cr
91150 006 LAB, 10:00am-11:50am Th, VKH 168; Dryke, Jake, 2 cr
- 3125 Engineering Economic Analysis**
(A-F only; prereq Concurrent registration is required (or allowed) in Stat 3411, BSIE or BSME cand or instr consent)
87582 001 LEC, 11:00am-11:50am MWF, VKH 221; Zierden, Heidi Sue, 3 cr

- 3130 Materials Processing Engineering**
(A-F; prereq Engr 2110, Engr 2016, Concurrent registration is required (or allowed) in Stat 3411)
- 88302 001 LEC, 02:00pm-02:50pm MWF, Chem 155; Enemuoh, Emmanuel U, 3 cr
- 3222 Occupational Systems Laboratory**
(A-F; prereq Credit will not be granted if credit has been received for: [3105 and/or 3265], 3140, Concurrent registration is required (or allowed) in 4020 or instr consent)
- 001 LEC, 01:00pm-01:50pm F, LSBE 225; Eseonu, Chinweike Ifeolu; Feyen, Robert G
- 88456 003 LAB, 10:00am-11:50am Th, VKH 201; Eseonu, Chinweike Ifeolu, 2 cr
- 88458 004 LAB, 01:00pm-02:50pm Th, VKH 201; Feyen, Robert G, 2 cr
- 4010 Six Sigma Quality Control**
(Credit will not be granted if credit has been received for: IE 3255; A-F; prereq Stat 3411, B.S.I.E. or B.S.M.E. candidate, no Grad School cr)
- 88318 001 LEC, 10:00am-10:50am MWF, Engr 260, 10:00am-10:50am W, KP1z 143; Zierden, Heidi Sue, 3 cr
- 4020 Lean Enterprises Management**
(Credit will not be granted if credit has been received for: IE 3265, CE 3026; A-F; prereq 1225, 3125 or instr consent, no Grad School cr)
- 88322 001 LEC, 09:00am-09:50am MWF, MonH 203; Eseonu, Chinweike Ifeolu, 3 cr
- 4196 Cooperative Education**
(Credit will not be granted if credit has been received for: ME 4196; max crs 2; A-F only; prereq BSIE candidate, no Grad School cr)
- 83944 @001 IEX, instruction mode: Distance Education Other; Eseonu, Chinweike Ifeolu, 1 cr
- 4255 Multidisciplinary Senior Design**
(Credit will not be granted if credit has been received for: ME 4255; A-F only; prereq 4115, EMgt 4110, BSIE cand, or instr consent, no Grad School credit)
- 001 LEC, 03:00pm-04:50pm T, Engr 260; Meets with: 85386 ME 4255; Lindeke, Richard R
- 83658 002 LAB, 01:00pm-04:50pm Th, Engr 260; Meets with: 85388 ME 4255; Lindeke, Richard R, 4 cr
- 4491 Independent Study**
(max crs 4; 4 repeats allowed; A-F only; prereq BSIE or BSME cand, dept consent)
- 83946 001 IND, 1-4 cr
- 4993 Industrial Engineering Seminar**
(max crs 2; S-N only; prereq BSIE or BSChE or BSECE or BSME or MEHS cand or instr consent; no Grad School credit)
- 85320 001 LEC, 12:00pm-12:50pm M, Engr 290; (ITV); Meets with: 86048 EMGT 8993; Eseonu, Chinweike Ifeolu, 1 cr
- 5325 Advanced Engineering Economics**
(A-F only; prereq 3125, BSIE or MSEM cand or dept consent)
- 87126 001 LEC, 06:00pm-08:40pm W, Engr 280; Rosandich PhD, Ryan G, 3 cr

INTEGRATED BIOSCIENCES (IBS)

Swenson College of Science & Engineering

- 5101 Biochemistry and Molecular Biology**
(A-F; prereq Chem 4341 or equiv)
- 87608 001 LEC, 03:00pm-04:15pm TTh, Chem 155; Class will meet in SSB 207A.; Johnson, Joseph L.; Rumbley, Jon N; Scott, Patricia Margaret, 3 cr
- 8012 Integrated Evolutionary Processes**
(A-F only; prereq 8011, IBS Grad student)
- 87144 001 LEC, 08:00am-09:50am F, Chem 155; Etterson, Julie Rae, 2 cr

- 8020 Integrated Biosciences Colloquia**
(max crs 4; 4 repeats allowed; S-N; prereq IBS Graduate Student)
- 87146 001 COL, 04:00pm-04:50pm M, Library 410; Class will meet in SSB 207A.; Andrews, Matthew T., 1 cr
- 8030 IBS Research Club**
(max crs 5; 5 repeats allowed; S-N only; prereq IBS Graduate Student)
- 87610 001 SEM, 04:00pm-04:50pm W, Library 410; Class will meet in SSB 207A.; , 1 cr
- 8103 Comparative Animal Physiology**
(A-F; prereq One year of college biol, two years of college chem; 8011, IBS Grad School student)
- 87622 001 LEC, 11:00am-12:15pm TTh, Chem 155; Class will meet in SSB 207.; Mensinger, Allen; Fitzakerley, Janet Lyn; Hellekant PhD, Goran Bengt; Heller, Lois Jane; Regal, Jean Frances, 3 cr
- 8201 Ecological Processes**
(A-F only; prereq 8011, IBS Grad School student)
- 87148 001 LEC, 01:00pm-02:50pm M, Chem 251; Class will meet in SSB 207A; Bortone, Stephen A; Pastor, John Joseph, 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))
- 87650 001 THE, 1-18 cr

INTERDISCIPLINARY STUDIES (IS)

College of Liberal Arts

- 3099 Senior Project**
(max crs 10; A-F only; prereq instr consent)
- 82630 001 IND; , 1-10 cr
- 5001 Construction and Deconstruction of Nation: Reflections of 20th Century Hispanic History**
(A-F; prereq Min 90 cr)
- 88502 090 LEC; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009, 2 cr
- 5002 Exodus and Exile in Contemporary Cinema**
(A-F; prereq Min 90 cr)
- 88504 090 LEC; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 4 cr
- 8501 Seminar: Ethics and the Human Condition**
(A-F only; prereq MLS candidate or department consent)
- 83912 821 LEC, 06:00pm-09:00pm T, H 403; Schwetman, John David, 4 cr
- 8591 Directed Study**
(max crs 8; 8 repeats allowed; A-F only; prereq MLS candidate or department consent)
- 83906 821 DST; Zinn, Gesa, 1-8 cr

INTERNATIONAL STUDIES (IntS)

College of Liberal Arts

- 1191 International Study**
(max crs 15; 15 repeats allowed; A-F only; prereq dept consent)
- 82872 001 IND, 1-5 cr
- 4100 Seminar in International Studies**
(A-F only; prereq Pol 1050, 60 cr incl 8 upper div cr approved IntS courses and instr consent)
- 86624 001 SEM, 10:00am-11:50am TTh, Cina 106; Sharp, Paul, 4 cr

JOURNALISM (Jour)

College of Liberal Arts

- 2001 Reporting and Writing I**
(A-F only; prereq WRIT 1120)
- 86450 001 LEC, 01:00pm-01:50pm MWF, H 484; , 3 cr

- 85546 090 LEC, 06:00pm-08:50pm W, H 484; (Open CE reserved seats will be available to UMD students on January 13, 2009.); 5 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; , 3 cr
- 2501 History of American Journalism**
(A-F only)
- 85466 001 LEC, 03:00pm-03:50pm MWF, H 484, 3 cr
- 3101 News Editing**
(A-F only; prereq 2001, Comp 1120)
- 84876 001 LEC, 09:30am-10:45am TTh, H 484; , 3 cr
- 3300 News Photography**
(A-F only)
- 86452 090 LEC, 06:00pm-08:50pm M, H 484; (Open CE reserved seats will be available to UMD students on January 13, 2009.); 5 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Kragness, Lucy Marie, 3 cr
- 3555 Research for Reporters**
(A-F only; prereq Cr will not be granted if cr received for Comp 3555)
- 85620 001 LEC, 10:00am-10:50am MWF, H 484; , 3 cr
- 3700 Media Law and Ethics**
(A-F only; prereq Comp 1120)
- 85718 001 LEC, 02:00pm-03:15pm TTh, H 484; , 3 cr
- 3991 Independent Study in Journalism**
(max crs 5; A-F only; prereq 2001, instr consent)
- 86314 001 IND; , 1-5 cr
- 5197 Journalism Internship**
(max crs 3; S-N; prereq Coll Grad or Grad School student, instr consent)
- 85720 001 IEX; , 1-3 cr

LANGUAGE (Lang)

College of Liberal Arts

- 1301 ESL: English for Academic Writing and Speaking**
(max crs 6; A-F only)
- 87640 001 LEC, 01:00pm-02:15pm TTh, Chem 153; Anderson, Heidi Rochelle, 3 cr
- 3091 Directed Study**
(max crs 6; 6 repeats allowed; A-F only; prereq instr consent, dept consent)
- 82558 001 DST, 1-3 cr

LINGUISTICS (Ling)

College of Liberal Arts

- 1811 Introduction to Language**
(A-F only; meets LE req of LE CAT2)
- 85172 002 LEC, 09:30am-10:45am TTh, Cina 224; (Open CE reserved seats will be available to UMD students on January 15, 2008.); , 3 cr
- 85468 003 LEC, 02:00pm-03:15pm TTh, Engr 280; , 3 cr
- 3591 Independent Study in Linguistics**
(max crs 6; 6 repeats allowed; A-F only; prereq 1811 or instructor consent, department consent)
- 86368 001 IND; Linn, Michael Duncan, 1-3 cr
- 4400 Sociolinguistics**
(Credit will not be granted if credit has been received for: LING 5400; A-F; prereq Ling 1811 with a grade of C or instr consent, no Grad School cr)
- 91245 001 LEC, 09:30am-10:45am TTh, Library 409; Meets with LING 5400-001; Meets with: 91246 LING 5400; , 3 cr
- 5195 Special Topics: (Various Titles to be Assigned)**
(max crs 4; A-F only; prereq Coll Grad or Grad School student)
- 92557 001 LEC, 11:00am-11:50am MWF, H 468; Park, Chongwon, 1-4 cr; T: Cognitive Linguistics

5400 Sociolinguistics (Credit will not be granted if credit has been received for: LING 4400; A-F; prereq Graduate school standing or collegiate graduate students)	85426 002 LEC, 11:00am-12:15pm TTh, LSBE 229; Liang, Xin, 3 cr	3711 Marketing Research (A-F; prereq Credit will not be granted if credit has been received for: [MgtS 3711], MgtS 3701 or Mktg 3701, LSBE cand or college consent)
91246 001 LEC, 09:30am-10:45am TTh, Library 409; Meets with LING 4400; Meets with: 91245 LING 4400; , 3 cr	4443 Building and Leading Teams in Organizations (A-F; prereq LSBE candidate, 3401 or instr consent)	83302 001 LEC, 08:00am-09:15am TTh, LSBE 165, 08:00am-09:15am TTh, LSBE 237, 3 cr
5852 Practicum in Teaching Linguistics (A-F only; prereq Coll Grad or Grad School student)	86738 001 LEC, 11:00am-12:15pm TTh, LSBE 225; Cummings PhD, Anne, 3 cr	84480 002 LEC, 09:30am-10:45am TTh, LSBE 165, 09:30am-10:45am TTh, LSBE 237, 3 cr
83352 001 PRC; Linn, Michael Duncan, 3 cr	87894 002 LEC, 03:30pm-04:45pm TTh, LSBE 225; Cummings PhD, Anne, 3 cr	3741 Fundamentals of Selling (A-F; prereq Credit will not be granted if credit has been received for: [MgtS 3741], MgtS 3701 or Mktg 3701, LSBE cand or college consent)
8591 Independent Study in Linguistics (max crs 6; 6 repeats allowed; A-F only; prereq Department consent)	4451 Management Inquiry (A-F; prereq 3401, 3801, approved LSBE cand or college consent)	83304 001 LEC, 12:30pm-01:45pm TTh, LSBE 225; Castleberry Sr, Stephen Byron, 3 cr
83354 001 IND; Linn, Michael Duncan, 1-3 cr	83346 001 SEM, 04:00pm-05:15pm MW, LSBE 265; Pierce, Jon L, 3 cr	86544 002 LEC, 02:00pm-03:15pm TTh, LSBE 225; Castleberry Sr, Stephen Byron, 3 cr
MANAGEMENT STUDIES (MgtS)		
Labovitz School of Business & Economics		
3401 Organizational Behavior and Management (A-F; prereq LSBE cand or bus adm minor or college consent)	4461 Business and Society (A-F; prereq 3401, 3801, LSBE cand or college consent)	3781 International Marketing (A-F; prereq Credit will not be granted if credit has been received for: [MgtS 3781], MGTS 3701 or MKTG 3701, LSBE cand or college consent)
83306 001 LEC, 11:00am-11:50am MWF, LSBE 129; (LSBE candidates); Meets with: 84470 MGTS 3401; Pierce, Jon L, 3 cr	87896 001 LEC, 06:00pm-08:40pm W, LSBE 233; Bell PhD, Geoffrey George, 3 cr	85056 001 LEC, 12:30pm-01:45pm TTh, LSBE 233; Aggarwal, Praveen, 3 cr
84470 002 LEC, 11:00am-11:50am MWF, LSBE 129; (Non-LSBE Bus Adm minors); Meets with: 83306 MGTS 3401; Pierce, Jon L, 3 cr	4481 Strategic Management (A-F; prereq 3401, 3701, FMIS 3301, FMIS 3601, 90 cr, LSBE cand or college consent; no Grad School credit)	85058 002 LEC, 03:30pm-04:45pm TTh, LSBE 233; Aggarwal, Praveen, 3 cr
83308 003 LEC, 02:00pm-02:50pm MWF, LSBE 129; (LSBE candidates); Meets with: 84472 MGTS 3401; Pierce, Jon L, 3 cr	83334 001 LEC, 09:00am-09:50am MWF, LSBE 233; Goel, Sanjay, 3 cr	3791 Independent Study (max crs 3; A-F; prereq dept consent)
84472 004 LEC, 02:00pm-02:50pm MWF, LSBE 129; (Non-LSBE Bus Adm minors); Meets with: 83308 MGTS 3401; Pierce, Jon L, 3 cr	83336 002 LEC, 11:00am-11:50am MWF, LSBE 233; Goel, Sanjay, 3 cr	87794 001 IND, 1-3 cr
83310 005 LEC, 11:00am-12:15pm TTh, LSBE 129; (LSBE candidates); Meets with: 84474 MGTS 3401; Mencl, Jennifer, 3 cr	83338 003 LEC, 12:00pm-12:50pm MWF, LSBE 233; Harmon, Allen, 3 cr	3797 Marketing Internship (A-F only; prereq Credit will not be granted if credit has been received for: [MgtS 3797], LSBE cand, consent of internship director)
84474 006 LEC, 11:00am-12:15pm TTh, LSBE 129; (Non-LSBE Bus Adm minors); Meets with: 83310 MGTS 3401; Mencl, Jennifer, 3 cr	84972 004 LEC, 06:00pm-08:40pm M, LSBE 229; Goel, Sanjay, 3 cr	86810 001 IEX; Kaas, Duane A, 3 cr
85532 007 LEC, 03:30pm-04:45pm TTh, LSBE 129; (LSBE candidates); Meets with: 85534 MGTS 3401; Mencl, Jennifer, 3 cr	85536 005 LEC, 08:00am-09:15am TTh, LSBE 225; , 3 cr	4711 Business-to-Business Marketing (A-F; prereq Credit will not be granted if credit has been received for: [MgtS 4711], MgtS 3701 or Mktg 3701, LSBE cand or college consent)
85534 008 LEC, 03:30pm-04:45pm TTh, LSBE 129; (Non-LSBE Bus Adm minors); Meets with: 85532 MGTS 3401; Mencl, Jennifer, 3 cr	4821 Staffing Work Organizations (A-F; prereq 3801, LSBE cand or college consent)	85858 001 LEC, 02:00pm-02:50pm MWF, LSBE 233; Kratz, John L, 3 cr
3491 Independent Study (max crs 3; A-F; prereq dept consent)	86542 001 LEC, 10:00am-10:50am MWF, LSBE 225; David, Jannifer Gregory, 3 cr	86540 002 LEC, 03:00pm-03:50pm MWF, LSBE 233; Kratz, John L, 3 cr
83590 001 IND, 1-3 cr	4851 Unions and Collective Bargaining (A-F; prereq 3801, LSBE cand or college consent)	4721 Advertising and Marketing Communications (A-F; prereq Credit will not be granted if credit has been received for: [MgtS 4721], MgtS 3701 or Mktg 3701, LSBE cand or college consent)
3497 Organizational Management Internship (A-F; prereq LSBE cand, consent of internship director)	85094 001 LEC, 06:00pm-08:40pm T, LSBE 225, 3 cr	86092 001 LEC, 10:00am-10:50am MWF, LSBE 233; Kratz, John L, 3 cr
86814 001 IEX; Kaas, Duane A, 3 cr	4881 Human Resource Issues and Trends (A-F; prereq 3801, LSBE cand or college consent)	90492 002 LEC, 11:00am-11:50am MWF, LSBE 165; Kratz, John L, 3 cr
3801 Human Resource Management (A-F; prereq LSBE cand or approved non-LSBE bus adm or college consent)	86992 001 LEC, 04:00pm-05:15pm MW, LSBE 225; Rubenfeld, Stephen A, 3 cr	4731 Consumer Behavior (A-F; prereq Credit will not be granted if credit has been received for: [MgtS 4731], MgtS 3701 or Mktg 3701, LSBE cand or college consent)
83242 001 LEC, 01:00pm-01:50pm MWF, LSBE 129; (LSBE candidates); Meets with: 84482 MGTS 3801; Rubenfeld, Stephen A, 3 cr	MARKETING (MKTG)	
84482 002 LEC, 01:00pm-01:50pm MWF, LSBE 129; (Non-LSBE Bus Administration minors); Meets with: 83242 MGTS 3801; Rubenfeld, Stephen A, 3 cr	Labovitz School of Business & Economics	
83244 003 LEC, 12:00pm-12:50pm MWF, LSBE 129; (LSBE candidates); Meets with: 84484 MGTS 3801; David, Jannifer Gregory, 3 cr	3701 Principles of Marketing (A-F; prereq Credit will not be granted if credit has been received for: [MgtS 3701], LSBE cand or approved non-LSBE bus adm minor or college consent)	83300 001 LEC, 02:00pm-03:15pm TTh, LSBE 233; Vaidyanathan, Rajiv, 3 cr
84484 004 LEC, 12:00pm-12:50pm MWF, LSBE 129; (Non-LSBE Bus Administration minors); Meets with: 83244 MGTS 3801; David, Jannifer Gregory, 3 cr	83286 001 LEC, 09:00am-09:50am MWF, LSBE 135; (LSBE candidates); Meets with: 84476 MKTG 3701; Castillo, Carlos Roberto, 3 cr	86546 002 LEC, 06:00pm-08:40pm T, LSBE 229; Vaidyanathan, Rajiv, 3 cr
85422 005 LEC, 02:00pm-02:50pm MWF, LSBE 135; (LSBE candidates); Meets with: 85424 MGTS 3801; David, Jannifer Gregory, 3 cr	84476 002 LEC, 09:00am-09:50am MWF, LSBE 135; (Non-LSBE Bus Administration minors); Meets with: 83286 MKTG 3701; Castillo, Carlos Roberto, 3 cr	4751 Retailing (A-F; prereq 3701, LSBE candidate or college consent, no Grad School cr)
85424 006 LEC, 02:00pm-02:50pm MWF, LSBE 135; (Non-LSBE Bus Administration minors); Meets with: 85422 MGTS 3801; David, Jannifer Gregory, 3 cr	86558 003 LEC, 11:00am-11:50am MWF, LSBE 135; (LSBE candidates); Meets with: 86560 MKTG 3701; Castillo, Carlos Roberto, 3 cr	92774 001 LEC, 06:00pm-08:40pm M, LSBE 233, 3 cr
3897 Human Resources Internship (A-F; prereq LSBE cand, consent of internship director)	86560 004 LEC, 11:00am-11:50am MWF, LSBE 135; (Non-LSBE Bus Administration minors); Meets with: 86558 MKTG 3701; Castillo, Carlos Roberto, 3 cr	4781 Marketing Management and Strategy (A-F; prereq Credit will not be granted if credit has been received for: [MgtS 4781], MgtS 3701 or Mktg 3701, MgtS 3711 or Mktg 3711, 1 other Mktg course, 90 cr, LSBE cand or grad or college consent)
86812 001 IEX; Kaas, Duane A, 3 cr	83288 005 LEC, 12:00pm-12:50pm MWF, LSBE 135; (LSBE candidates); Meets with: 84478 MKTG 3701; Castillo, Carlos Roberto, 3 cr	83298 001 LEC, 08:00am-09:15am TTh, LSBE 233; Rochford, Linda, 3 cr
4411 Organizational Studies (A-F; prereq 3401, LSBE cand or college consent)	84478 006 LEC, 12:00pm-12:50pm MWF, LSBE 135; (Non-LSBE Bus Administration minors); Meets with: 83288 MKTG 3701; Castillo, Carlos Roberto, 3 cr	85750 002 LEC, 09:30am-10:45am TTh, LSBE 233; Rochford, Linda, 3 cr
87892 001 LEC, 12:30pm-01:45pm TTh, LSBE 229; Liang, Xin, 3 cr	85760 007 LEC, 06:00pm-08:40pm T, LSBE 135; (LSBE candidates); Meets with: 85762 MKTG 3701; Wroblecki, Jim, 3 cr	
	85762 008 LEC, 06:00pm-08:40pm T, LSBE 135; (Non-LSBE Bus Administration minors); Meets with: 85760 MKTG 3701; Wroblecki, Jim, 3 cr	

**MASTER IN ADVOCACY AND
POLITICAL LEADERSHIP
(MAPL)****College of Liberal Arts**

- 5110 Ethics in Politics: Developing a Shared Ethical Code for Involvement in MN Advocacy, Political Life**
(A-F; prereq MAPL or Collegiate Grad student status or Grad School student status or instr consent)
- 87728 001 LEC, 06:00pm-09:00pm F, LSBE 165; Spano, Wy, 3 cr
- 5113 Labor and Political Economy**
(A-F only; prereq MAPL or Collegiate Grad student status or Grad School student status or instr consent)
- 87540 001 SEM, 01:00pm-04:00pm S, LSBE 125; Moore, Bill, 3 cr
- 5200 Nonprofits and Civic Engagement**
(A-F only; prereq MAPL or Collegiate Grad student status or Grad School student status or instr consent)
- 87538 001 LEC, 01:00pm-04:00pm S, LSBE 165; Avner, Marcia Louise, 3 cr
- 6001 Political Process and Public Policy**
(prereq MAPL or Collegiate Grad student status or Grad School student status or instr consent)
- 86118 001 LEC, 08:45am-11:45am S, LSBE 165, instruction mode: Distance Education and On-Site; (For MAPL student only); Spano, Wy, 3 cr
- 6002 Policy Evaluation**
(prereq MAPL or Collegiate Grad student status or Grad School student status or instr consent)
- 86616 001 LEC, 08:45am-11:45am S, LSBE 125, 12/20/08-09/01/09; (for MAPL students only); , 3 cr
- 6003 Civic Engagement and Political Cultures**
(prereq MAPL or Collegiate Grad student status or Grad School student status or instr consent)
- 86120 001 LEC, 08:45am-11:45am S, LSBE 129, 12/20/08-09/01/09, instruction mode: Distance Education and On-Site; (For MAPL students only); , 3 cr
- 6004 Political Organizing and Communication**
(prereq MAPL or Grad School or Collegiate Grad student or instr consent)
- 86618 001 LEC, 08:45am-11:45am S, LSBE 135, 12/20/08-09/01/09; (for MAPL students only); Imsande, Jennifer, 3 cr
- 6008 Advocacy Internship I**
(S-N only; prereq MAPL student or instr consent , no Grad School cr)
- 86834 001 IEX, 12/20/08-09/01/09; (For MAPL students only. Arr with sponsoring internship organization and MAPL adviser); Imsande, Jennifer, 3 cr
- 6009 Advocacy Internship**
(max crs 4; S-N only; prereq MAPL or instr consent , no Grad School cr)
- 86094 001 IEX, 12/20/08-09/01/09, instruction mode: Distance Education and On-Site; (For MAPL students only. Arr with sponsoring internship organization and MAPL adviser); Imsande, Jennifer, 2 cr

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

- 8411 Policy Formulation and Implementation**
(A-F only; prereq 8311, 8611, 8711, 8811, MBA student or college consent)
- 84240 001 LEC, 06:00pm-08:50pm T, LSBE 165; Bell PhD, Geoffrey George, 3 cr

- 91133 800 LEC, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 02/27/09-02/27/09, 08:00am-12:30pm S, Room TBA, ROCHESTER, 02/28/09-02/28/09, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 03/20/09-03/20/09, 08:00am-12:30pm S, Room TBA, ROCHESTER, 03/21/09-03/21/09, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 04/03/09-04/03/09, 08:00am-12:30pm S, Room TBA, ROCHESTER, 04/04/09-04/04/09, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 04/17/09-04/17/09, 08:00am-12:30pm S, Room TBA, ROCHESTER, 04/18/09-04/18/09; ROCHESTER; Knudsen, Kjell Roar, 3 cr
- 8611 Financial Management**
(A-F only; prereq FMIS 3601 or equiv, MBA student or college consent)
- 91136 001 LEC, 06:00pm-08:40pm W, LSBE 225; Wong, Shee Q, 3 cr
- 91135 800 LEC, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 01/09/09-01/09/09, 08:00am-12:30pm S, Room TBA, ROCHESTER, 01/10/09-01/10/09, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 01/23/09-01/23/09, 08:00am-12:30pm S, Room TBA, ROCHESTER, 01/24/09-01/24/09, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 02/06/09-02/06/09, 08:00am-12:30pm S, Room TBA, ROCHESTER, 02/07/09-02/07/09, 03:00pm-09:00pm F, Room TBA, ROCHESTER, 02/20/09-02/20/09, 08:00am-12:30pm S, Room TBA, ROCHESTER, 02/21/09-02/21/09; ROCHESTER First meeting of course on Friday, January 9, 3:00 pm to 9:00 pm and Saturday, January 10, 8:00 am to 12:30 pm; Wong, Shee Q, 3 cr
- 8811 Human Resource Challenges**
(A-F only; prereq MgtS 3801 or equiv, MBA student or college consent)
- 91137 001 LEC, 06:00pm-08:40pm M, LSBE 225; Rubenfeld, Stephen A, 3 cr
- 8991 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq college consent)
- 88288 001 DST, 1-3 cr
- 8994 Directed Research**
(max crs 6; 6 repeats allowed; A-F only; prereq MBA student, college consent)
- 87122 001 DRS; Vaidyanathan, Rajiv, 1-6 cr
- 8999 Projects in Business**
(max crs 6; 6 repeats allowed; A-F only; prereq MBA student, college consent)
- 87124 001 DST; Vaidyanathan, Rajiv, 1-3 cr

MATHEMATICS (Math)**Swenson College of Science &
Engineering**

- 1005 College Algebra**
(A-F only; prereq Math ACT 18 or higher or SSP 0103 or dept consent)
- 85004 001 LEC, 08:00am-08:50am MTWThF, ABAH 235; (Open CE reserved seats will be available to UMD students on January 15, 2008.); , 5 cr
- 85046 002 LEC, 03:00pm-04:05pm MTW, SCC 120, 03:00pm-04:05pm Th, KPlz 312; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; , 5 cr
- 85470 003 LEC, 04:00pm-05:05pm MTWTh, Chem 150; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; , 5 cr
- 85544 004 LEC, 06:00pm-08:15pm MW, SCC 120; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; , 5 cr
- 1007 Algebra Review**
(S-N only)
- 87254 001 IND; on-line course; Riley, Deanna Lynn, 1 cr

- 1024 Introduction to Contemporary Mathematics**
(A-F only; prereq Math ACT 22 or higher or a grade of at least C- in Math 1005 or dept consent; meets LE req of LE CAT2)
- 85618 001 LEC, 08:00am-08:50am MWF, SCC 21; , 3 cr
- 1160 Finite Mathematics and Introduction to Calculus**
(A-F only; prereq Credit will not be granted if credit has been received for: [1290, 1296], math ACT 23 or higher or a grade of at least C- in Math 1005 or dept consent; meets LE req of LE CAT2)
- 001 LEC, 09:00am-09:50am MWF, LSci 175
- 82878 002 DIS, 08:00am-08:50am TTh, BohH 104, 5 cr
- 82880 003 DIS, 10:00am-10:50am TTh, DAdB 16A, 5 cr
- 82882 004 DIS, 11:00am-11:50am TTh, Cina 102, 5 cr
- 82884 005 DIS, 12:00pm-12:50pm TTh, Engr 290; (Open CE reserved seats will be available to UMD students on January 15, 2008.); , 5 cr
- 82886 006 DIS, 02:00pm-02:50pm T, HH 216, 02:00pm-02:50pm Th, DAdB 16A, 5 cr
- 82888 007 DIS, 04:00pm-04:50pm TTh, BohH 346, 5 cr
- 82892 008 LEC, 12:00pm-12:50pm MWF, LSci 175
- 82892 009 DIS, 08:00am-08:50am TTh, BohH 343; , 5 cr
- 82894 010 DIS, 09:00am-09:50am TTh, DAdB 16A; , 5 cr
- 82896 011 DIS, 10:00am-10:50am TTh, MWAH 191; , 5 cr
- 82898 012 DIS, 12:00pm-12:50pm TTh, Engr 177; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; , 5 cr
- 82900 013 DIS, 02:00pm-02:50pm TTh, KPlz 385; , 5 cr
- 82902 014 DIS, 04:00pm-04:50pm TTh, ABAH 225; (Open CE reserved seats will be available to UMD students on January 15, 2008.); , 5 cr
- 84882 015 LEC, 02:00pm-02:50pm MWF, SCC 120
- 84884 016 DIS, 08:00am-08:50am TTh, Cina 106; , 5 cr
- 84884 017 DIS, 09:00am-09:50am TTh, Chem 251; , 5 cr
- 84886 018 DIS, 10:00am-10:50am TTh, Cina 308, 5 cr
- 84888 019 DIS, 12:00pm-12:50pm TTh, SCC 21, 5 cr
- 84890 020 DIS, 01:00pm-01:50pm TTh, SCC 21, 5 cr
- 84892 021 DIS, 04:00pm-04:50pm TTh, Engr 280; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009, 5 cr
- 1250 Precalculus Analysis**
(A-F only; prereq Math ACT = or >22 or a grade of at least C- in Math 1005 or dept consent; meets LE req of LE CAT2)
- 001 LEC, 09:00am-09:50am MWF, SCC 120
- 82908 002 DIS, 08:00am-08:50am TTh, ABAH 245; (Open CE reserved seats will be available to UMD students on January 15, 2008.); , 4 cr
- 82910 003 DIS, 09:00am-09:50am TTh, Chem 200; (Open CE reserved seats will be available to UMD students on 01/13/09.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; , 4 cr
- 82912 004 DIS, 10:00am-10:50am T, SCC 21, 10:00am-10:50am Th, Chem 200; , 4 cr
- 82914 005 DIS, 11:00am-11:50am TTh, Cina 214; , 4 cr
- 87174 006 DIS, 12:00pm-12:50pm TTh, ABAH 245; , 4 cr
- 87176 007 DIS, 01:00pm-01:50pm TTh, Cina 308; , 4 cr
- 1290 Calculus for the Natural Sciences**
(Credit will not be granted if credit has been received for: MATH 1296, MATH 1596H, MATH 1596; A-F only; prereq Math ACT 25 or higher or a grade of at least C- in Math 1250 or dept consent; meets LE req of LE CAT2)
- 001 LEC, 10:00am-10:50am MTWTh, HH 216
- 82918 002 LAB, 10:00am-10:50am F, SSB 216, 5 cr

1296	Calculus I (Credit will not be granted if credit has been received for: MATH 1290, MATH 1596H, MATH 1596; A-F only; prereq Math ACT 25 or higher or a grade of at least C- in Math 1250 or dept consent; meets LE req of LE CAT2) 001 LEC, 10:00am-10:50am MWF, MWAH 195	84150 015 IND; Stech, Harlan W, 1-3 cr 84808 016 IND; Trogdon, Steven Arman, 1-3 cr 86604 017 IND; Hampton, Marshall E, 1-3 cr	5327	Advanced Linear Algebra (A-F only; prereq Graduate student or instr consent) 84896 001 LEC, 10:00am-10:50am MWF, Engr 290; , 3 cr	
82922	002 DIS, 08:00am-08:50am TTh, HH 306; , 5 cr	3097	Internship (max crs 3; 3 repeats allowed; S-N only; prereq Math major, dept consent) 84420 001 IEX; Fei, Guihua, 1-3 cr 84152 002 IEX; Froncek, Dalibor, 1-3 cr 84154 003 IEX; Gallian, Joseph A, 1-3 cr 84156 004 IEX; Green, Richard F, 1-3 cr 84158 005 IEX; Greene, John Robert, 1-3 cr 84160 006 IEX; James, Barry R, 1-3 cr 84162 007 IEX; James, Kang Ling, 1-3 cr 84164 008 IEX; Latterell, Carmen Marie, 1-3 cr 84166 009 IEX; Lenz, Kathryn E, 1-3 cr 84168 010 IEX; Liu, Zhuangyi, 1-3 cr 84170 011 IEX; Mc Farland, Robert L, 1-3 cr 84172 012 IEX; Peckham, Bruce B, 1-3 cr 84174 013 IEX; Qi, Yongcheng, 1-3 cr 84176 014 IEX; Regal, Ronald Ray, 1-3 cr 84178 015 IEX; Stech, Harlan W, 1-3 cr 84810 016 IEX; Trogdon, Steven Arman, 1-3 cr 86606 017 IEX; Hampton, Marshall E, 1-3 cr	5330	Theory of Numbers (A-F only; prereq 3355 or instr consent) 91172 001 LEC, 01:00pm-01:50pm MWF, KPlz 312; , 3 cr
82924	003 DIS, 10:00am-10:50am T, Engr 177, 10:00am-10:50am Th, ABAH 225; , 5 cr	3110	Foundations of Mathematics and Geometry (A-F only; prereq 1297 or 1597, teaching math major) 001 LEC, 12:00pm-12:50pm MWF, SCC 21, 12:00pm-12:50pm T, DAdB 16A 85598 002 LAB, 12:00pm-12:50pm Th, MonH 209, 4 cr	5372	Abstract Algebra II (A-F only; prereq 3355 or instr consent) 84752 001 LEC, 03:00pm-03:50pm MWF, Cina 202; , 3 cr
82926	004 DIS, 11:00am-11:50am TTh, Cina 308; , 5 cr	3120	Mathematics Tutorial Project (max crs 4; 4 repeats allowed; S-N only; prereq 1290 or 1296 or 1596, SSP 3003, instr consent) 82972 001 PRC; Latterell, Carmen Marie, 1-2 cr	5810	Linear Programming (A-F only; prereq 3280 or 4326) 91173 001 LEC, 04:00pm-05:15pm MW, SCC 21; , 3 cr
82928	005 DIS, 12:00pm-12:50pm TTh, Engr 118; , 5 cr	3280	Differential Equations with Linear Algebra (A-F only; prereq A grade of at least C- in 1297 or 1597) 001 LEC, 09:00am-09:50am MWThF, SCC 21 82976 002 LAB, 09:00am-09:50am T, MonH 209, 4 cr 003 LEC, 10:00am-10:50am MWThF, Chem 251 82980 004 LAB, 10:00am-10:50am T, MonH 209, 4 cr 005 LEC, 12:00pm-12:50pm MWThF, Chem 251 82984 006 LAB, 12:00pm-12:50pm T, MonH 209, 4 cr 007 LEC, 01:00pm-01:50pm MWThF, ABAH 245 85176 008 LAB, 01:00pm-01:50pm T, MonH 209; , 4 cr	5850	Numerical Differential Equations (A-F only; prereq 3280, proficiency in FORTRAN or C or C++) 91174 001 LEC, 09:00am-09:50am MWF, Cina 308; , 4 cr
82930	006 DIS, 02:00pm-02:50pm TTh, SCC 120; , 5 cr	3298	Calculus III (A-F only; prereq A grade of at least C- in 1297 or 1597) 001 LEC, 11:00am-11:50am MTWF, ABAH 245 82988 002 LAB, 11:00am-11:50am Th, MonH 209, 4 cr 003 LEC, 01:00pm-01:50pm MTWF, Cina 202; Pierson, Chad Michael 82992 004 LAB, 01:00pm-01:50pm Th, MonH 209, 4 cr	5991	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq dept consent; Max 6 cr to a Grad School program.) 84180 001 IND; Fei, Guihua, 1-4 cr 84182 002 IND; Froncek, Dalibor, 1-4 cr 84184 003 IND; Gallian, Joseph A, 1-4 cr 84186 004 IND; Green, Richard F, 1-4 cr 84188 005 IND; Greene, John Robert, 1-4 cr 84190 006 IND; James, Barry R, 1-4 cr 84192 007 IND; James, Kang Ling, 1-4 cr 84194 008 IND; Latterell, Carmen Marie, 1-4 cr 84196 009 IND; Lenz, Kathryn E, 1-4 cr 84198 010 IND; Liu, Zhuangyi, 1-4 cr 84200 011 IND; Mc Farland, Robert L, 1-4 cr 84202 012 IND; Peckham, Bruce B, 1-4 cr 84204 013 IND; Qi, Yongcheng, 1-4 cr 84206 014 IND; Regal, Ronald Ray, 1-4 cr 84208 015 IND; Stech, Harlan W, 1-4 cr 84812 016 IND; Trogdon, Steven Arman, 1-4 cr 86608 017 IND; Hampton, Marshall E, 1-4 cr
82932	007 DIS, 04:00pm-04:50pm TTh, Cina 102; , 5 cr	3355	Discrete Mathematics (A-F only; prereq 1297 or 1597 or instr consent) 82996 001 LEC, 12:00pm-12:50pm MWThF, Engr 280; , 4 cr	8201	Real Analysis (A-F only; prereq 5201) 91175 001 LEC, 03:00pm-03:50pm MWF, Chem 155; , 3 cr
82936	008 LEC, 12:00pm-12:50pm MWF, SCC 120 009 DIS, 08:00am-08:50am TTh, SCC 120, 5 cr	3941	Undergraduate Colloquium (S-N only; prereq Math major or minor, dept consent; must regis during sem of 16th point) 83000 001 COL, 03:00pm-04:50pm Th, SCC 120; Gallian, Joseph A, 1 cr	8333	FTE: Master's (NGA; prereq Master's student, adviser and DGS consent) 82518 001 DRS; James, Barry R, 1 cr
82938	010 DIS, 09:00am-09:50am TTh, BohH 90, 5 cr	4201	Elementary Real Analysis (A-F only; prereq 3355, no Grad School cr) 82994 001 LEC, 10:00am-10:50am MWF, Cina 308; , 4 cr	8677	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)) 84606 001 THE; Fei, Guihua, 1-18 cr 86008 002 THE; Froncek, Dalibor, 1-18 cr 86010 003 THE; Gallian, Joseph A, 1-18 cr 86012 004 THE; Green, Richard F, 1-18 cr 86014 005 THE; Greene, John Robert, 1-18 cr 86016 006 THE; James, Barry R, 1-18 cr 86018 007 THE; James, Kang Ling, 1-18 cr 86020 008 THE; Latterell, Carmen Marie, 1-18 cr 86022 009 THE; Lenz, Kathryn E, 1-18 cr 86024 010 THE; Liu, Zhuangyi, 1-18 cr 86026 011 THE; Mc Farland, Robert L, 1-18 cr 86028 012 THE; Peckham, Bruce B, 1-18 cr 86030 013 THE; Qi, Yongcheng, 1-18 cr 86032 014 THE; Regal, Ronald Ray, 1-18 cr 86034 015 THE; Stech, Harlan W, 1-18 cr 86036 016 THE; Trogdon, Steven Arman, 1-18 cr 86610 017 THE; Hampton, Marshall E, 1-18 cr
82940	011 DIS, 10:00am-10:50am TTh, KPlz 385, 5 cr	4240	Applied Mathematics: Operational Methods (A-F only; prereq 3280) 91171 001 LEC, 01:00pm-01:50pm MWF, ABAH 235; , 3 cr	8994	Directed Research (max crs 12; 12 repeats allowed; A-F only; prereq Instructor consent) 84210 001 DRS; Fei, Guihua, 1-4 cr 84212 002 DRS; Froncek, Dalibor, 1-4 cr 84214 003 DRS; Gallian, Joseph A, 1-4 cr 84216 004 DRS; Green, Richard F, 1-4 cr 84218 005 DRS; Greene, John Robert, 1-4 cr 84220 006 DRS; James, Barry R, 1-4 cr 84222 007 DRS; James, Kang Ling, 1-4 cr 84224 008 DRS; Latterell, Carmen Marie, 1-4 cr 84226 009 DRS; Lenz, Kathryn E, 1-4 cr 84228 010 DRS; Liu, Zhuangyi, 1-4 cr 84230 011 DRS; Mc Farland, Robert L, 1-4 cr 84232 012 DRS; Peckham, Bruce B, 1-4 cr
82942	012 DIS, 12:00pm-12:50pm TTh, Cina 308; (Open CE reserved seats will be available to UMD students on 1/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009, 5 cr	4326	Linear Algebra (A-F only; prereq A grade of at least C- in 3280, [3299 or 3355], 3 cr Math/Stat above 3120; no Grad School cr) 84894 001 LEC, 02:00pm-02:50pm MF, SCC 21, 02:00pm-02:50pm W, Engr 118; , 3 cr		
82944	013 DIS, 02:00pm-02:50pm TTh, Chem 155, 5 cr				
82946	014 DIS, 04:00pm-04:50pm TTh, Engr 118; (Open CE reserved seats will be available to UMD students on January 15, 2008.), 5 cr				
1297	Calculus II (Credit will not be granted if credit has been received for: MATH 1597; A-F only; prereq A grade of at least C- in 1290 or 1296 or 1596) 001 LEC, 12:00pm-12:50pm MWF, LSci 185 82950 002 DIS, 08:00am-08:50am TTh, Chem 251; , 5 cr 82952 003 DIS, 09:00am-09:50am T, SCC 21, 09:00am-09:50am Th, HH 216; , 5 cr 82954 004 DIS, 10:00am-10:50am TTh, Chem 155; , 5 cr 82956 005 DIS, 12:00pm-12:50pm TTh, MonH 80; , 5 cr 82958 006 DIS, 02:00pm-02:50pm TTh, SCC 21; , 5 cr 82960 007 DIS, 04:00pm-04:50pm TTh, SCC 21; , 5 cr 008 LEC, 01:00pm-01:50pm MWF, SCC 120 82964 009 DIS, 08:00am-08:50am TTh, SCC 21; , 5 cr 82966 010 DIS, 10:00am-10:50am TTh, SCC 130; , 5 cr 82968 011 DIS, 12:00pm-12:50pm TTh, MonH 108; , 5 cr 87706 012 DIS, 01:00pm-01:50pm TTh, Chem 251; , 5 cr 87708 013 DIS, 02:00pm-02:50pm TTh, LSci 175; , 5 cr 87710 014 DIS, 04:00pm-04:50pm TTh, Engr 177; , 5 cr				
1597	Honors: Calculus II (Credit will not be granted if credit has been received for: MATH 1297; A-F only; prereq 1596 or a grade of A in 1290 or 1296, dept consent; meets HON req of Honors) 86482 001 LEC, 11:00am-11:50am MTWThF, SpHC 210; , 5 cr				
3091	Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq dept consent) 84122 001 IND; Fei, Guihua, 1-3 cr 84124 002 IND; Froncek, Dalibor, 1-3 cr 84126 003 IND; Gallian, Joseph A, 1-3 cr 84128 004 IND; Green, Richard F, 1-3 cr 84130 005 IND; Greene, John Robert, 1-3 cr 84132 006 IND; James, Barry R, 1-3 cr 84134 007 IND; James, Kang Ling, 1-3 cr 84136 008 IND; Latterell, Carmen Marie, 1-3 cr 84138 009 IND; Lenz, Kathryn E, 1-3 cr 84140 010 IND; Liu, Zhuangyi, 1-3 cr 84142 011 IND; Mc Farland, Robert L, 1-3 cr 84144 012 IND; Peckham, Bruce B, 1-3 cr 84146 013 IND; Qi, Yongcheng, 1-3 cr 84148 014 IND; Regal, Ronald Ray, 1-3 cr				

84234 013 DRS; Qi, Yongcheng, 1-4 cr
 84236 014 DRS; Regal, Ronald Ray, 1-4 cr
 84238 015 DRS; Stech, Harlan W, 1-4 cr
 84814 016 DRS; Trogdon, Steven Arman, 1-4 cr
 86612 017 DRS; Hampton, Marshall E, 1-4 cr

MECHANICAL ENGINEERING (ME)

Swenson College of Science & Engineering

3111 Fluid Mechanics
 (A-F only; prereq Engr 2026, BSME or BSChE cand or instr consent ; Credit will not be granted if credit has been received for: ChE 3111)
 87584 001 LEC, 01:00pm-01:50pm MWF, VKH 221; Abou, Seraphin Chally, 3 cr

3140 System Dynamics and Control
 (A-F only; prereq CS 1121 or 1131 or 1211 or 1511 or 2121, ECE 2006, Math 3280, BSME cand or instr consent)
 87586 001 LEC, 10:00am-10:50am MWF, Engr 177; Yu, Xun, 3 cr

3211 Thermodynamics
 (A-F only; prereq Phys 2012, ME 3111, BSME cand or instr consent.)
 85330 001 LEC, 08:00am-08:50am MWF, Engr 280; Ballavance, Brett Alan, 3 cr

3222 Controls and Kinematics Laboratory
 (A-F; prereq 3140 with a grade of C- or better, Concurrent registration is required (or allowed) in 3230; Credit will not be granted if credit has been received for: IE 4135 and/or ME 4135)
 001 LEC, 12:00pm-12:50pm M, VKH 221; Yu, Xun
 88356 002 LAB, 03:00pm-04:50pm Th, VKH 162; Yu, Xun, 2 cr
 88364 003 LAB, 03:00pm-04:50pm T, VKH 162; Yu, Xun, 2 cr
 004 LEC, 12:00pm-12:50pm M, BohH 346
 88374 005 LAB, 08:00am-09:50am T, VKH 162; , 2 cr
 88376 006 LAB, 08:00am-09:50am Th, VKH 162; , 2 cr

3230 Kinematics and Mechatronics
 (Credit will not be granted if credit has been received for: IE 4135, ME 4135; A-F; prereq 3140, Math 3298)
 88396 002 LEC, 09:00am-09:50am MWF, H 314, 09:00am-09:50am W, KPlz 143; , 3 cr

4112 Heat and Mass Transfer
 (Credit will not be granted if credit has been received for: CHE 3112; A-F only; prereq 3211, Math 3298, BSME or BSChE cand or instr consent)
 87128 001 LEC, 01:00pm-01:50pm MWF, MWAH 191; Loushine, Todd William, 3 cr

4122 Heat Transfer, Thermodynamics and Fluid Mechanics Laboratory
 (A-F only; prereq Concurrent registration is required (or allowed) in 4112 or ChE 3112 or instr consent, BSME cand)
 001 LEC, 04:00pm-04:50pm M, Chem 251; Pope, Daniel
 86500 002 LAB, 10:00am-11:50am T, VKH 164; Pope, Daniel, 2 cr
 86838 003 LAB, 01:00pm-02:50pm T, VKH 164; Pope, Daniel, 2 cr

4145 CAD/CAM
 (A-F only; prereq Credit will not be granted if credit has been received for: [IE 4145], Engr 2016, BSIE International Engineering, or BSME cand, or instr consent.)
 001 LEC, 03:00pm-03:50pm MW, Engr 280; Fugelso, Mark A
 83648 002 LAB, 06:00pm-09:50pm M, Engr 208; Fugelso, Mark A, 4 cr
 83650 003 LAB, 06:00pm-09:50pm W, Engr 208; Fugelso, Mark A, 4 cr

4175 Machine Design
 (A-F only; prereq Credit will not be granted if credit has been received for: [IE 4175], Engr 2016, Engr 2110, BSME cand or instr consent)
 87130 001 LEC, 11:00am-11:50am MWF, Engr 280; Fugelso, Mark A, 3 cr

4196 Cooperative Education
 (Credit will not be granted if credit has been received for: IE 4196; A-F only; prereq BSME cand, instr consent, no Grad School cr)
 86504 001 IEX; Eseonu, Chinweike Ifeolu, 1 cr

4255 Multidisciplinary Senior Design
 (Credit will not be granted if credit has been received for: IE 4255; A-F only; prereq 4112, 4175, EMgt 4110, BSME cand, or instr consent ; no Grad School credit)
 001 LEC, 03:00pm-04:50pm T, Engr 260; Meets with: 83656 IE 4255; Lindeke, Richard R
 85388 002 LAB, 01:00pm-04:50pm Th, Engr 260; Meets with: 83658 IE 4255; Lindeke, Richard R, 4 cr

4491 Independent Study in Mechanical Engineering
 (max crs 4; 4 repeats allowed; prereq Sr standing in engineering discipline, instr consent)
 86128 001 IND; , 1-4 cr

5305 Computational Fluid Dynamics
 (A-F; prereq Concurrent registration is required (or allowed) in 4112 or ChE 3112, BSChE, or BSME or BSIE candidate or dept consent)
 87730 001 LEC, 02:00pm-02:50pm MF, SpHC 207, 02:00pm-02:50pm W, Engr 177; Pope, Daniel, 3 cr

5335 Introduction to Finite Element Analysis
 (A-F; prereq Engr 2016, BSME or BSIE or MSEM candidate or dept consent)
 92511 001 LEC, 03:00pm-03:50pm MW, VKH 221, 03:00pm-03:50pm F, KPlz 143; Carranza-Torres, Carlos M, 3 cr

5991 Independent Study in Mechanical Engineering
 (max crs 6; 6 repeats allowed; prereq MSEM cand, dept consent)
 91160 001 IND, 1-4 cr

MEDICAL AND MOLECULAR PHYSIOLOGY (Phsl)

Duluth School of Medicine

3011 General Physiology
 (A-F only; prereq Biol 1761 or Chem 1102 or instructor consent)
 84006 001 LEC, 01:00pm-01:50pm MTThF, Chem 155; Wittmers Jr, Lorentz E, 4 cr

5211 Literature Seminar
 (max crs 2; S-N only)
 86042 001 SEM; Wittmers Jr, Lorentz E, 1-2 cr

5292 Readings in Physiology
 (max crs 3; prereq instr consent)
 91702 001 IND, 1-3 cr

5294 Research in Physiology
 (max crs 15; prereq instr consent)
 91703 001 DRD, 1-15 cr

5602 Physiology of Organ Systems II
 (A-F only; prereq 5601 or instr consent)
 001 LEC, 02:00pm-03:40pm T, Room TBA; Class meets in Med 68.; Wittmers Jr, Lorentz E
 86046 002 LAB, 02:00pm-04:00pm Th, Room TBA; Class meets in Med 68.; Wittmers Jr, Lorentz E, 2 cr

8333 FTE: Master's
 (NGA; prereq Master s student, adviser and DGS consent)
 84726 001 DRS, 1 cr

8441 Transport Processes
 (prereq 5601, instr consent)
 87544 001 LEC; Wittmers Jr, Lorentz E, 2 cr

8444 FTE: Doctoral
 (NGA; prereq Doctoral student, adviser and DGS consent)
 84562 001 DRS, 1 cr

8666 Doctoral Pre-Thesis Credits
 (max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))
 84578 001 THE, 1-6 cr

8777 Thesis Credits: Master's
 (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
 84614 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)
 84634 001 THE, 1-24 cr

MEDICAL MICROBIOLOGY AND IMMUNOLOGY (Micb)

Duluth School of Medicine

8333 FTE: Master's
 (NGA; prereq Master s student, adviser and DGS consent)
 82522 001 DRS, 1 cr

8444 FTE: Doctoral
 (NGA; prereq Doctoral student, adviser and DGS consent)
 84558 001 DRS, 1 cr

8554 Advanced Immunology and Immunobiology
 (A-F only; prereq 5545 or instructor consent)
 86830 001 DIS, 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))
 84610 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)
 84630 001 THE, 1-24 cr

MEDICINE (Med)

Duluth School of Medicine

601 Basic Science I
 (P-N only; prereq Regis Med Student)
 83932 001 LEC, 0 cr

602 Basic Science II
 (P-N only; prereq Regis Med Student)
 83934 001 LEC, 0 cr

691 Independent Study
 (P-N only; prereq Regis Med Student)
 83930 001 IND, 0 cr

693 Directed Study
 (P-N only; prereq Regis Med Student)
 83938 001 DST, 0 cr

694 Research
 (P-N only; prereq Regis Med Student)
 83936 001 DRS, 0 cr

3998 Human Biology and Behavior Topics
 (max crs 12; 12 repeats allowed; prereq instr consent)
 83928 001 LEC; Lillian Repesh, 1-10 cr

6023 Seminars in Indian Health
 (max crs 3; P-N only; prereq Regis med student, social work student with instr consent)
 83940 001 LEC; Dorscher, Joycelyn Ann, 1-2 cr

6301 Medical Epidemiology and Biometrics
 (P-N; prereq Credit will not be granted if credit has been received for: [BhSc 6301], regis med student)
 87578 001 LEC; Hoffman PhD, LP, Richard G; Kowalczyk PhD, John P, 3 cr

6510	Histopathology (O-N only; prereq Regis med)	84374	001 LEC; Downing, Stephen W, 6 cr	84278	003 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1 hr arr lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Metts, Calland D; Wold, Stanley R, 1-3 cr	86160	002 STU; (Viola) (1/2 hr weekly lesson must be arranged with instructor in H231); Perrault, Rudy; Anderson, A, 1 cr
6573	Nervous System (O-N; prereq Regis med student or instr consent)	84724	001 LEC; Forbes PhD, Donna J, 11 cr	1312	Voice (A-F only; prereq Non-music major or music major secondary instr; may be repeated)	86162	003 STU; (Cello) (1/2 hr weekly lesson must be arranged with instructor in H231), 1 cr
6724	Gastrointestinal Hepatobiliary System (O-N; prereq Regis med student)	85054	001 LEC; Heller, Lois Jane, 6 cr	83608	001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Inselman, Rachel Laura; Kulas, Kate F; Thielen-Gaffey, Tina; Metts, Calland D; Zimmerman, Mindy Nicole; Wold, Stanley R, 1 cr	86164	004 STU; (Bass) (1/2 hr weekly lesson must be arranged with instructor in H231); Osborn, Vincent, 1 cr
6762	Endocrine and Reproductive System (O-N; prereq Regis med student)	83948	001 LEC; Krafts MD, Kristine Pauline, 5 cr	1321	Piano (max crs 18; 18 repeats allowed; A-F; prereq Music major, dept consent)	1357	Harp (max crs 18; 18 repeats allowed; A-F; prereq Music major, dept consent)
6773	Integrated Clinical Medicine (O-N only; prereq Regis med student)	83950	001 LEC, 6 cr	83654	001 STU, 01:00pm-01:50pm Th, H 234; (+ 1/2 hr arr lesson); Rubin, Justin Henry; Doty, Jeanne Alyce; Chernyshev, Alexander; Wegren, Thomas Joseph, 1-3 cr	83684	001 STU, 01:00pm-01:50pm; (+ 1/2 hr arr lesson); Lemire, Janell Marie, 1-3 cr
MUSIC (Mu)				84280	002 STU, 01:00pm-01:50pm Th, H 234; (+ 3/4 hr arr lesson); Rubin, Justin Henry; Doty, Jeanne Alyce; Chernyshev, Alexander; Wegren, Thomas Joseph, 1-3 cr	84290	002 STU, 01:00pm-01:50pm; (+ 1 hr arr lesson); Lemire, Janell Marie, 1-3 cr
School of Fine Arts				84282	003 STU, 01:00pm-01:50pm Th, H 234; (+ 1 hr arr lesson); Rubin, Justin Henry; Doty, Jeanne Alyce; Chernyshev, Alexander; Wegren, Thomas Joseph, 1-3 cr	1358	Harp (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)
100	Recital Hour (4 repeats allowed; S-N; prereq Concurrent registration in applied instruction)	83754	001 LAB, 12:00pm-12:50pm Th, WMH 101, 0 cr	85606	002 LAB, 0 cr	83688	001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Lemire, Janell Marie, 1 cr
1001	Introduction to Music (prereq Not for music majors or minors; meets LEIP req of LEIP CAT09)	83748	001 LEC, 10:00am-10:50am MWF, MonH 70; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Rubin, Justin Henry, 3 cr	1322	Piano (A-F only; prereq Non-music major or music major sec instr; may be repeated)	1361	Woodwinds (max crs 18; 18 repeats allowed; A-F; prereq Music major, dept consent)
85916	002 LEC, 12:00pm-12:50pm MWF, H 150; (Open CE reserved seats will be available to UMD students on 01/13/09.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Schoen, Theodore A, 3 cr	85916	002 LEC, 12:00pm-12:50pm MWF, H 150; (Open CE reserved seats will be available to UMD students on 01/13/09.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Schoen, Theodore A, 3 cr	83616	001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Chernyshev, Alexander; Rubin, Justin Henry; Lanzer, Kate J; Doty, Jeanne Alyce; Wegren, Thomas Joseph, 1 cr	83692	001 STU, 01:00pm-01:50pm Th, H 221; (+ 1/2 hr arr lesson); Campbell, Jefferson T; Schoen, Theodore A; Braunstein, Betty Ruth; Bombardier, Bradley Andrew; Van Brunt, Laurie, 1-3 cr
1003	Beethoven to the Beatles (meets LE req of LE CAT9)	85012	001 LEC, 11:00am-11:50am MWF, MonH 70; (Open CE reserved seats will be available to UMD students on 01/13/09.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Wegren, Thomas Joseph, 3 cr	1325	Jazz Piano (max crs 18; 18 repeats allowed; A-F; prereq Music major, dept consent)	84292	002 STU, 01:00pm-01:50pm Th, H 221; (+ 1 hr arr lesson); Schoen, Theodore A; Campbell, Jefferson T; Braunstein, Betty Ruth; Bombardier, Bradley Andrew; Van Brunt, Laurie, 1-3 cr
1005	Jazz Studies (A-F; meets LECD req of LECD CAT09)	83750	001 LEC, 12:00pm-12:50pm MWF, MonH 70; (Open CE reserved seats will be available to UMD students on 01/13/09.); 3 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Barnard, William Michael, 3 cr	83662	001 STU, 01:00pm-01:50pm Th, H 224; (+ 1/2 hr arr lesson); Frane, Ryan J, 1-3 cr	1362	Woodwinds (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)
83752	002 LEC, 01:00pm-01:50pm MWF, MonH 70; (Open CE reserved seats will be available to UMD students on 01/13/09.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Barnard, William Michael, 3 cr	83752	002 LEC, 01:00pm-01:50pm MWF, MonH 70; (Open CE reserved seats will be available to UMD students on 01/13/09.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Barnard, William Michael, 3 cr	84284	002 STU, 01:00pm-01:50pm Th, H 224; (+ 1 hr arr lesson); Frane, Ryan J, 1-3 cr	83696	001 STU; (Flute) (1/2 hr weekly lesson must be arranged with instructor in H231); Braunstein, Betty Ruth, 1 cr
1121	Tonal Harmony II (A-F; prereq 1111)	88276	001 LEC, 08:00am-08:50am MWF, H 314; Rubin, Justin Henry, 2 cr	1326	Jazz Piano (max crs 12; 12 repeats allowed; A-F; prereq Non-music major or music major sec instrument)	86172	002 STU; (Clarinet) (1/2 hr weekly lesson must be arranged with instructor in H231); Schoen, Theodore A, 1 cr
1122	Ear-Training II (A-F; prereq 1112)	88418	001 LAB, 08:00am-08:50am TTh, H 222; Husby, Betsy Margare, 1 cr	83666	001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Frane, Ryan J, 1 cr	86174	003 STU; (Saxophone) (1/2 hr weekly lesson must be arranged with instructor in H231); Schoen, Theodore A, 1 cr
88420	002 LAB, 10:00am-10:50am TTh, H 222; Husby, Betsy Margare, 1 cr	88420	002 LAB, 10:00am-10:50am TTh, H 222; Husby, Betsy Margare, 1 cr	1328	Jazz Applied (max crs 12; 12 repeats allowed; A-F; prereq Non-music major or music major secondary instrument; instr consent)	86176	004 STU; (Oboe) (1/2 hr weekly lesson must be arranged with instructor in H231); Van Brunt, Laurie, 1 cr
1311	Voice (max crs 18; 18 repeats allowed; A-F; prereq Music major, dept consent, performance majors register for 3 cr in major instrument only; all others register for 1 cr)	83606	001 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Metts, Calland D; Wold, Stanley R, 1-3 cr	85486	001 STU; (1/2 hr weekly lesson to be arr with instructor); Frane, Ryan J; Koshinski, Eugene J; Belck, Scott Brian; Barnard, William Michael, 1 cr	86178	005 STU; (Bassoon) (1/2 hr weekly lesson must be arranged with instructor in H231); Campbell, Jefferson T, 1 cr
84276	002 STU, 01:00pm-01:50pm Th, VKH 106; (+ 3/4 hr arr lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Metts, Calland D; Wold, Stanley R, 1-3 cr	1331	Organ (max crs 18; 18 repeats allowed; A-F; prereq Music major, dept consent)	1331	Organ (max crs 18; 18 repeats allowed; A-F; prereq Music major, dept consent)	1371	Brass (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)
83606	001 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Metts, Calland D; Wold, Stanley R, 1-3 cr	83668	001 STU, 01:00pm-01:50pm Th, H 231; (+ 1/2 hr arr lesson); Rubin, Justin Henry, 1-3 cr	83672	001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Rubin, Justin Henry, 1 cr	83700	001 STU, 01:00pm-01:50pm Th, H 226; (+ 1/2 hr arr lesson); Whitlock, Mark Eugene; Belck, Scott Brian; Eaton, Daniel W; Pospisil, James A, 1-3 cr
84276	002 STU, 01:00pm-01:50pm Th, VKH 106; (+ 3/4 hr arr lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Metts, Calland D; Wold, Stanley R, 1-3 cr	84286	002 STU, 01:00pm-01:50pm Th, H 232; (+ 1 hr arr lesson); Rubin, Justin Henry, 1-3 cr	1351	Strings (max crs 18; 18 repeats allowed; A-F; prereq Music major, dept consent)	84294	002 STU, 01:00pm-01:50pm Th, H 226; (+ 1 hr arr lesson); Whitlock, Mark Eugene; Belck, Scott Brian; Eaton, Daniel W; Pospisil, James A, 1-3 cr
83606	001 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Metts, Calland D; Wold, Stanley R, 1-3 cr	1332	Organ (A-F only; prereq Non-music major or music major sec instr; may be repeated)	83676	001 STU, 01:00pm-01:50pm Th, H 243; (+ 1/2 hr arr lesson); Anderson, A; Husby, Betsy Margare; Osborn, Vincent; Perrault, Rudy, 1-3 cr	86190	003 STU; (French Horn) (1/2 hr weekly lesson must be arranged with instructor in H231); Pospisil, James A, 1 cr
84276	002 STU, 01:00pm-01:50pm Th, VKH 106; (+ 3/4 hr arr lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Metts, Calland D; Wold, Stanley R, 1-3 cr	83672	001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Rubin, Justin Henry, 1 cr	84288	002 STU, 01:00pm-01:50pm Th, H 243; (+ 1 hr arr lesson); Anderson, A; Husby, Betsy Margare; Osborn, Vincent; Perrault, Rudy, 1-3 cr	86192	004 STU; (Tuba/Euphonium) (1/2 hr weekly lesson must be arranged with instructor in H231); Eaton, Daniel W, 1 cr
83606	001 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Metts, Calland D; Wold, Stanley R, 1-3 cr	1352	Strings (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)	1352	Strings (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)	1381	Percussion (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)
84276	002 STU, 01:00pm-01:50pm Th, VKH 106; (+ 3/4 hr arr lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Metts, Calland D; Wold, Stanley R, 1-3 cr	83680	001 STU; (Violin) (1/2 hr weekly lesson must be arranged with instructor in H231); Perrault, Rudy; Anderson, A, 1 cr	83680	001 STU; (Violin) (1/2 hr weekly lesson must be arranged with instructor in H231); Perrault, Rudy; Anderson, A, 1 cr	83708	001 STU, 01:00pm-01:50pm Th, MPAC 1; (+ 1/2 hr arr lesson); Koshinski, Eugene J, 1-3 cr
83606	001 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Thielen-Gaffey, Tina; Metts, Calland D; Wold, Stanley R, 1-3 cr					84296	002 STU, 01:00pm-01:50pm Th, MPAC 1; (+ 1 hr arr lesson); Koshinski, Eugene J, 1-3 cr

1382 Percussion (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)	1504 Chamber Orchestra (max crs 12; 12 repeats allowed; prereq instr consent; meets LE req of LE CAT10)	84302 011 REH; (1-2 hr arr time with instructor) (Piano Trio); Meets with: 84328 MU 4541; Rubin, Justin Henry; Doty, Jeanne Alyce, 0.50 cr
83714 001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Koshinski, Eugene J, 1 cr	84756 001 REH, 04:45pm-06:00pm TTh, Room TBA; Meets with: 84758 MU 4504; Perrault, Rudy, 1 cr	85302 013 REH, 03:00pm-03:50pm MW, Room TBA; (Guitar Ensemble II); Meets with: 85304 MU 4541; Barnard, William Michael, 0.50 cr
1391 Classical Guitar (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)	1505 Jazz Ensemble (max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets LECD req of LECD CAT10)	86372 014 REH; (Classical Guitar Ensemble); Meets with: 86374 MU 4541; O'Hara, Thomas, 0.50 cr
83718 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); O'Hara, Thomas, 1-3 cr	83500 001 REH, 02:00pm-02:50pm MWF, Room TBA; Additional 90 minute arranged sectional time is required with time to be arranged by Instructor.; Meets with: 83522 MU 4505; Frane, Ryan J, 1 cr	89038 015 REH; Meets with: 89036 MU 4541; Kritzmire, Judith A, 0.50 cr
84298 002 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); O'Hara, Thomas, 1-3 cr	83502 002 REH, 01:00pm-01:50pm MWF, Room TBA; Meets with: 83524 MU 4505; Belck, Scott Brian, 1 cr	92344 016 REH; Meets with: 92345 MU 4541; Frane, Ryan J, 0.50 cr
1392 Classical Guitar (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major sec instrument)	1510 Concert Chorale (max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets LE req of LE CAT10)	1601 Music Fundamentals (A-F only; prereq Pre-EIEd major)
83726 001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); O'Hara, Thomas, 1 cr	83506 001 REH, 02:00pm-02:50pm MWF, Room TBA; Meets with: 83526 MU 4510; Thielen-Gaffey, Tina, 1 cr	83578 001 LEC, 02:00pm-02:50pm T, H 170; Bigalke, Eric, 1 cr
1395 Jazz Guitar (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)	1511 University Singers (max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets LEIP req of LEIP CAT10)	83580 002 LEC, 02:00pm-02:50pm Th, H 170; Bigalke, Eric, 1 cr
83730 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Osborn, Vincent; Barnard, William Michael, 1-3 cr	83508 001 REH, 03:15pm-04:30pm MTWTh, Room TBA; Meets with: 83510 MU 4511; Wold, Stanley R, 1 cr	1901 Music Technology (A-F only; prereq Music major or instr consent)
84300 002 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Osborn, Vincent; Barnard, William Michael, 1-3 cr	1512 Chamber Singers (max crs 12; 12 repeats allowed; prereq Concurrent registration is required (or allowed) in 1511 or 4511; instructor determines placement; meets LE req of LE CAT10)	85038 001 LAB, 09:00am-09:50am F, MonH209; Campbell, Jefferson T, 1 cr
1396 Jazz Guitar (A-F only; Non-Music major or Music major sec instr; may be repeated)	83512 001 REH, 02:00pm-03:15pm TTh, Room TBA; Meets with: 83528 MU 4512; Wold, Stanley R, 1 cr	2001 Ethnic and Folk Music of the World (meets LEIP req of LEIP CAT09)
83734 001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Cooper, James M; O'Hara, Thomas; Osborn, Vincent; Barnard, William Michael, 1 cr	1513 Vocal Jazz Ensemble (max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets LECD req of LECD CAT10)	83844 001 LEC, 02:00pm-02:50pm MWF, H 150; Anderson, A, 3 cr
1398 Pop Styles Guitar (max crs 12; 12 repeats allowed; A-F; prereq Non-music major or music major sec instrument)	83514 001 REH, 05:00pm-06:00pm TWTh, Room TBA; Meets with: 83530 MU 4513; Thielen-Gaffey, Tina, 1 cr	84518 002 LEC, 03:00pm-03:50pm MWF, H 150; (Open CE reserved seats will be available to UMD students on 01/13/09.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Anderson, A, 3 cr
83738 001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Barnard, William Michael; O'Hara, Thomas; Osborn, Vincent; Cooper, James M, 1 cr	84822 002 REH, 06:00pm-07:00pm TTh, Room TBA; Meets with: 84824 MU 4513; Thielen-Gaffey, Tina, 1 cr	2003 Survey of American Music (meets LE req of LE CAT9)
1413 Diction: French (A-F only; prereq 1411 or instr consent)	1541 Chamber Music (max crs 6; 12 repeats allowed; A-F only; prereq Instructor determines placement)	87208 001 LEC, 11:00am-11:50am MWF, H 222; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Anderson, A, 3 cr
91266 001 LEC, 11:00am-11:50am TTh, H 222; Inselman, Rachel Laura, 1 cr	83538 001 REH, 02:00pm-02:50pm TTh, Room TBA; (Percussion Ensemble); Meets with: 83558 MU 4541; Koshinski, Eugene J, 0.50 cr	2005 African Roots of American Music (meets LECD req of LECD CAT09)
1422 Piano Class II (A-F only; prereq Music major or instr consent)	83540 002 REH, 05:00pm-05:50pm MW, Room TBA; (Combo I); Meets with: 83560 MU 4541; Frane, Ryan J, 0.50 cr	87210 001 LEC, 12:00pm-12:50pm MWF, WMH 206; (Class meets in WMH 206.) (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Koshinski, Eugene J, 3 cr
86874 001 LAB, 09:00am-09:50am TTh, H 160; Doty, Jeanne Alyce, 1 cr	83542 003 REH, 06:00pm-06:50pm TTh, Room TBA; (Combo II); Meets with: 83562 MU 4541; Barnard, William Michael, 0.50 cr	2105 Composition I (max crs 4; A-F only; prereq 1121, 1122 or 1102)
86876 002 LAB, 10:00am-10:50am TTh, H 160; Doty, Jeanne Alyce, 1 cr	83544 004 REH, 06:00pm-06:50pm TTh, Room TBA; (Combo III); Meets with: 83564 MU 4541; Belck, Scott Brian, 0.50 cr	83582 001 LEC, 01:00pm-02:50pm F, BohH 108; Meets with: 83584 MU 3105, 83586 MU 4105; Wegren, Thomas Joseph, 2 cr
1440 Survey of Instrumental Techniques (A-F only; prereq Music major or instr consent)	83546 005 REH, 06:00pm-06:50pm MW, Room TBA; (Combo IV); Meets with: 83566 MU 4541; Koshinski, Eugene J, 0.50 cr	2121 Tonal Harmony IV (A-F; prereq 2111)
85488 001 LAB, 11:00am-11:50am MW, WMH 206; Pospisil, James A; Perrault, Rudy; Koshinski, Eugene J, 1 cr	83548 006 REH, 10:00am-11:30am S, Room TBA, 05:45pm-06:45pm F, Room TBA; (Pep Band); Meets with: 83568 MU 4541; Eaton, Daniel W, 0.50 cr	88422 001 LEC, 09:00am-09:50am MWF, H 150; Wegren, Thomas Joseph, 2 cr
1441 Vocal Techniques (prereq Music major or instr consent)	83550 007 REH, 04:00pm-04:50pm MW, Room TBA; (Guitar Ensemble I); Meets with: 83570 MU 4541; Barnard, William Michael, 0.50 cr	2122 Ear-Training and Sight Singing IV (A-F; prereq 2112)
83504 001 LEC, 10:00am-10:50am TTh, WMH 206; Metts, Calland D, 1 cr	83552 008 REH; (1-2 hr arr time with instructor in H 243) (Strings); Meets with: 83572 MU 4541; Husby, Betsy Margare; Perrault, Rudy, 0.50 cr	88424 001 LAB, 09:00am-09:50am TTh, H 150; Husby, Betsy Margare, 1 cr
1501 Concert Band (max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets LE req of LE CAT10)	83554 009 REH; (1-2 hr arr time with instructor in H 245) (Brass Quintet); Meets with: 83574 MU 4541; Belck, Scott Brian, 0.50 cr	2422 Piano Proficiency Preparation (max crs 2; A-F; prereq Music major, dept consent)
83312 001 REH, 12:00pm-12:50pm MWF, Room TBA; Meets with: 83350 MU 4501; Eaton, Daniel W, 1 cr	83556 010 REH; (1-2 hr arr time with instructor) (Woodwinds); Meets with: 83576 MU 4541; Neff, Kathleen Ann; Campbell, Jefferson T; Schoen, Theodore A, 0.50 cr	88660 001 LAB, 11:00am-11:50am TTh, H 160; Doty, Jeanne Alyce, 1 cr
1502 Symphonic Wind Ensemble (max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets LEIP req of LEIP CAT10)		2444 Woodwind Techniques II (A-F only; prereq Music major or instr consent)
83314 001 REH, 03:15pm-04:30pm MTWTh, Room TBA; Meets with: 83428 MU 4502; Whitlock, Mark Eugene, 1 cr		83318 001 LAB, 08:00am-08:50am TTh, WMH 206; Campbell, Jefferson T; Neff, Kathleen Ann, 1 cr
1503 Symphony Orchestra (max crs 12; 12 repeats allowed; prereq Instructor determines placement; meets LEIP req of LEIP CAT10)		2446 String Techniques II (A-F only; prereq Music major or instr consent)
83316 001 REH, 07:00pm-09:30pm TTh, Room TBA; Meets with: 83430 MU 4503; Perrault, Rudy, 1 cr		83320 001 LAB, 08:00am-08:50am MW, WMH 206; Husby, Betsy Margare, 1 cr

2701 Fundamentals of Conducting (A-F only; prereq 1102 or [1121, 1122], Music major or instr consent)	4311 Voice (max crs 12; 12 repeats allowed; A-F; prereq Music major or fee-waiver student, dept consent)	86168 003 STU; (Cello) (1/2 hr weekly lesson must be arranged with instructor in H 231); Husby, Betsy Margare, 1 cr
83516 001 LAB, 10:00am-10:50am TTh, VKH 106; Wold, Stanley R, 1 cr	83610 001 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Metts, Calland D; Thielen-Gaffey, Tina; Wold, Stanley R, 1-3 cr	86170 004 STU; (Bass) (1/2 hr weekly lesson must be arranged with instructor in H 231); Osborn, Vincent, 1 cr
2801 Improvisation (A-F only; prereq 1102 or [1121, 1122])	84304 002 STU, 01:00pm-01:50pm Th, VKH 106; (+ 3/4 hr arr lesson); Inselman, Rachel Laura; Metts, Calland D; Thielen-Gaffey, Tina; Wold, Stanley R, 1-3 cr	4357 Harp (max crs 12; 12 repeats allowed; prereq Music major, dept consent)
84820 001 LEC, 10:00am-10:50am MW, WMH 206; Rubin, Justin Henry, 1 cr	84306 003 STU, 01:00pm-01:50pm Th, VKH 106; (+ 1 hr arr lesson); Inselman, Rachel Laura; Metts, Calland D; Thielen-Gaffey, Tina; Wold, Stanley R, 1-3 cr	83686 001 STU; (+ 1/2 hr arr lesson); Lemire, Janell Marie, 1-3 cr
2803 Jazz Improvisation II (A-F only; prereq 2101, 2801 or instr consent)	4312 Voice (max crs 12; 12 repeats allowed; A-F only; prereq Non-Music major or music major secondary instrument)	84316 002 STU; (+ 1 hr arr lesson); Lemire, Janell Marie, 1-3 cr
84780 001 LAB, 11:00am-11:50am TTh, WMH 206; Barnard, William Michael, 1 cr	83612 001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Inselman, Rachel Laura; Kulas, Kate F; Metts, Calland D; Thielen-Gaffey, Tina; Wold, Stanley R, 1 cr	4358 Harp (max crs 12; 12 repeats allowed; prereq Non-music major or music major secondary instrument)
3105 Composition II (max crs 4; A-F only; prereq 2105)	4321 Piano (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)	83690 001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Lemire, Janell Marie, 1 cr
83584 001 LEC, 01:00pm-02:50pm F, BohH 108; (+ 1 hr arr); Meets with: 83586 MU 4105, 83582 MU 2105; Wegren, Thomas Joseph, 2 cr	83618 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Rubin, Justin Henry; Doty, Jeanne Alyce; Chernyshev, Alexander; Wegren, Thomas Joseph, 1-3 cr	4361 Woodwinds (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)
3202 Music History II (A-F only; prereq 3201 or instr consent)	84308 002 STU, 01:00pm-01:50pm Th, H 234; (+ 3/4 hr arr lesson); Rubin, Justin Henry; Doty, Jeanne Alyce; Chernyshev, Alexander; Wegren, Thomas Joseph, 1-3 cr	83694 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Campbell, Jefferson T; Schoen, Theodore A; Bombardier, Bradley Andrew; Braunstein, Betty Ruth; Van Brunt, Laurie, 1-3 cr
83596 001 LEC, 10:00am-10:50am MTWThF, H 150; Campbell, Jefferson T, 4 cr	84310 003 STU, 01:00pm-01:50pm Th, H 234; (+ 1 hr arr lesson); Rubin, Justin Henry; Doty, Jeanne Alyce; Chernyshev, Alexander; Wegren, Thomas Joseph, 1-3 cr	84318 002 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Schoen, Theodore A; Campbell, Jefferson T; Bombardier, Bradley Andrew; Braunstein, Betty Ruth; Van Brunt, Laurie, 1-3 cr
3300 Recital (max crs 3; 3 repeats allowed; A-F only; prereq dept consent, may be repeated)	4322 Piano (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)	4362 Woodwinds (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)
83518 001 DST; Barnard, William Michael; Inselman, Rachel Laura, 1 cr	83614 001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Rubin, Justin Henry; Lanzer, Kate J; Wegren, Thomas Joseph; Chernyshev, Alexander, 1 cr	83698 001 STU; (Flute) (1/2 hr weekly lesson must be arranged with instructor in H 231); Braunstein, Betty Ruth, 1 cr
3510 Opera Studio (A-F only; prereq instr consent ; may be repeated)	4325 Jazz Piano (max crs 12; 4 repeats allowed; A-F; prereq Music major, dept consent)	86180 002 STU; (Clarinet) (1/2 hr weekly lesson must be arranged with instructor in H 231); Schoen, Theodore A, 1 cr
83520 001 LEC, 12:45pm-01:50pm MWF, Room TBA; Meets with: 84802 MU 5510; Metts, Calland D, 1 cr	83664 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Frane, Ryan J, 1 cr	86182 003 STU; (Saxophone) (1/2 hr weekly lesson must be arranged with instructor in H 231); Schoen, Theodore A, 1 cr
3601 Elementary School Music Teaching (A-F only; prereq Elem/middle educ major)	4331 Organ (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)	86184 004 STU; (Oboe) (1/2 hr weekly lesson must be arranged with instructor in H 231); Van Brunt, Laurie, 1 cr
83806 001 LEC, 10:00am-10:50am TTh, H 170; Roemhildt, Regina Meidl, 2 cr	83670 001 STU, 01:00pm-01:50pm T, Room TBA; (+ 1/2 hr arr lesson); Rubin, Justin Henry, 1-3 cr	86186 005 STU; (Bassoon) (1/2 hr weekly lesson must be arranged with instructor in H 231); Campbell, Jefferson T, 1 cr
83808 002 LEC, 11:00am-11:50am TTh, H 170; Thielen-Gaffey, Tina, 2 cr	84312 002 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Rubin, Justin Henry, 1-3 cr	4371 Brass (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)
3607 Instrumental Music Methods (A-F only; prereq 60 cr, music major or instr consent)	4332 Organ (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)	83702 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Whitlock, Mark Eugene; Eaton, Daniel W; Pospisil, James A, 1-3 cr
83340 001 LEC, 01:00pm-01:50pm MWF, WMH 206; Whitlock, Mark Eugene, 3 cr	83674 001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Rubin, Justin Henry, 1 cr	84320 002 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Whitlock, Mark Eugene; Eaton, Daniel W; Pospisil, James A, 1-3 cr
3702 Choral Conducting and Methods II (A-F only; prereq 3701 or instr consent)	4351 Strings (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)	4372 Brass (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)
83592 001 LEC, 11:00am-11:50am MWF, VKH 106; Wold, Stanley R, 3 cr	83678 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Perrault, Rudy; Husby, Betsy Margare; Osborn, Vincent; Anderson, A, 1-3 cr	83814 001 STU; (Trumpet) (1/2 hr weekly lesson must be arranged with instructor in H 231); Belck, Scott Brian, 1 cr
3706 Instrumental Conducting II (A-F only; prereq 3705 or instr consent)	84314 002 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Perrault, Rudy; Husby, Betsy Margare; Osborn, Vincent; Anderson, A, 1-3 cr	86194 002 STU; (Trombone) (1/2 hr weekly lesson must be arranged with instructor in H 231); Whitlock, Mark Eugene, 1 cr
83342 001 LAB, 11:00am-11:50am TTh, H 150; Whitlock, Mark Eugene, 1 cr	4352 Strings (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)	86196 003 STU; (French Horn) (1/2 hr weekly lesson must be arranged with instructor in H 231); Pospisil, James A, 1 cr
3802 Jazz Improvisation IV (A-F only; prereq 3801 or instr consent)	83682 001 STU; (Violin) (1/2 hr weekly lesson must be arranged with instructor in H 231); Perrault, Rudy; Anderson, A, 1 cr	86198 004 STU; (Tuba/Euphonium) (1/2 hr weekly lesson must be arranged with instructor in H 231); Eaton, Daniel W, 1 cr
83480 001 LEC, 11:00am-11:50am TTh, VKH 106; Belck, Scott Brian, 1 cr	86166 002 STU; (Viola) (1/2 hr weekly lesson must be arranged with instructor in H 231); Perrault, Rudy; Anderson, A, 1 cr	4381 Percussion (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)
3806 Jazz Writing II (A-F only; prereq 2102 or [2121, 2122], 3805 or instr consent)	4357 Harp (max crs 12; 12 repeats allowed; prereq Music major, dept consent)	83710 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Koshinski, Eugene J, 1-3 cr
91268 001 LEC, 11:00am-11:50am MW, H 150; Frane, Ryan J, 2 cr	83686 001 STU; (+ 1/2 hr arr lesson); Lemire, Janell Marie, 1-3 cr	84322 002 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Koshinski, Eugene J, 1-3 cr
3991 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq instr consent)	4358 Harp (max crs 12; 12 repeats allowed; prereq Non-music major or music major secondary instrument)	
83486 001 IND; Kritzmire, Judith A; Wold, Stanley R; Inselman, Rachel Laura; Whitlock, Mark Eugene; Perrault, Rudy; Doty, Jeanne Alyce; Wegren, Thomas Joseph; Rubin, Justin Henry; Schoen, Theodore A, 1-3 cr	4361 Woodwinds (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)	
4103 Contrapuntal Techniques (A-F only; prereq 2102 or [2121, 2122] or instr consent)	83694 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Campbell, Jefferson T; Schoen, Theodore A; Bombardier, Bradley Andrew; Braunstein, Betty Ruth; Van Brunt, Laurie, 1-3 cr	
83588 001 LEC, 09:00am-09:50am MW, H 222; Rubin, Justin Henry, 2 cr	84318 002 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Schoen, Theodore A; Campbell, Jefferson T; Bombardier, Bradley Andrew; Braunstein, Betty Ruth; Van Brunt, Laurie, 1-3 cr	
4105 Composition III (max crs 4; A-F only; prereq 3105)	4362 Woodwinds (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)	
83586 001 LEC, 01:00pm-02:50pm F, BohH 108; (+ 1 hr arr); Meets with: 83582 MU 2105, 83584 MU 3105; Wegren, Thomas Joseph, 2 cr	83698 001 STU; (Flute) (1/2 hr weekly lesson must be arranged with instructor in H 231); Braunstein, Betty Ruth, 1 cr	

4382 Percussion (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)	4512 Chamber Singers (max crs 6; 6 repeats allowed; A-F only; prereq Concurrent registration is required (or allowed) in 1511 or 4511; instructor determines placement)	5203 Advanced Choral Literature (A-F only; prereq 3702 or instr consent)
83712 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Koshinski, Eugene J, 1 cr	83528 001 REH, 02:00pm-03:15pm TTh, Room TBA; Meets with: 83512 MU 1512; Wold, Stanley R, 1 cr	85306 001 LEC; Wold, Stanley R, 3 cr
4391 Classical Guitar (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)	4513 Vocal Jazz Ensemble (max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)	5204 Instrumental Ensemble Literature (A-F only; prereq Grad Student or instr consent)
83724 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); O'Hara, Thomas, 1-3 cr	83530 001 REH, 05:00pm-06:00pm TWTh, Room TBA; Meets with: 83514 MU 1513; Thielen-Gaffey, Tina, 1 cr	85040 001 LEC; Whitlock, Mark Eugene, 2 cr
84324 002 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); O'Hara, Thomas, 1-3 cr	84824 002 REH, 06:00pm-07:00pm TTh, Room TBA; Meets with: 84822 MU 1513; Thielen-Gaffey, Tina, 1 cr	5205 Instrumental Solo Literature (max crs 3; 3 repeats allowed; A-F only; prereq Grad student or instr consent.)
4392 Classical Guitar (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)	4541 Chamber Music (max crs 12; 24 repeats allowed; A-F only; prereq instr consent)	85308 001 LEC; Belck, Scott Brian; Schoen, Theodore A, 1 cr
83728 001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); O'Hara, Thomas, 1 cr	83558 001 REH, 02:00pm-02:50pm TTh, Room TBA; (Percussion Ensemble); Meets with: 83538 MU 1541; Koshinski, Eugene J, 0.50 cr	5206 Vocal Solo Literature (A-F only; prereq Grad student or instr consent)
4395 Jazz Guitar (max crs 12; 12 repeats allowed; A-F; prereq Music major, dept consent)	83560 002 REH, 05:00pm-05:50pm MW, Room TBA; (Combo I); Meets with: 83540 MU 1541; Frane, Ryan J, 0.50 cr	85310 001 LEC; Inselman, Rachel Laura, 1 cr
83732 001 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Barnard, William Michael, 1-3 cr	83562 003 REH, 06:00pm-06:50pm TTh, Room TBA; (Combo II); Meets with: 83542 MU 1541; Barnard, William Michael, 0.50 cr	5207 Instrumental Chamber Music Literature (A-F only; prereq Grad student or instr consent)
84326 002 STU, 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Barnard, William Michael, 1-3 cr	83564 004 REH, 06:00pm-06:50pm TTh, Room TBA; (Combo III); Meets with: 83544 MU 1541; Belck, Scott Brian, 0.50 cr	84800 001 LEC; (1 hr arr); Campbell, Jefferson T, 1 cr
4396 Jazz Guitar (max crs 12; 12 repeats allowed; A-F only; prereq Non-music major or music major secondary instrument)	83566 005 REH, 06:00pm-06:50pm MW, Room TBA; (Combo IV); Meets with: 83546 MU 1541; Koshinski, Eugene J, 0.50 cr	5208 Vocal Chamber Literature (A-F only; prereq Grad student or instr consent)
83736 001 STU; (student must arrange 1/2 hr weekly lesson in 231 Humanities); Barnard, William Michael; O'Hara, Thomas; Cooper, James M, 1 cr	83568 006 REH, 10:00am-11:30am S, Room TBA, 05:45pm-06:45pm F, Room TBA; (Pep Band); Meets with: 83548 MU 1541; Eaton, Daniel W, 0.50 cr	85312 001 LEC; Thielen-Gaffey, Tina, 1 cr
4501 Concert Band (max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)	83570 007 REH, 04:00pm-04:50pm MW, Room TBA; (Guitar Ensemble I); Meets with: 83550 MU 1541; Barnard, William Michael, 0.50 cr	5510 Opera Studio (max crs 6; 6 repeats allowed; A-F only; prereq 3510 or equivalent, Grad student or instr consent.)
83350 001 REH, 12:00pm-12:50pm MWF, Room TBA; Meets with: 83312 MU 1501; Eaton, Daniel W, 1 cr	83572 008 REH; (1-2 hr arr time with instructor in H 243), (Strings); Meets with: 83552 MU 1541; Husby, Betsy Margare; Perrault, Rudy, 0.50 cr	84802 001 LAB, 12:45pm-01:50pm MWF, Room TBA; Meets with: 83520 MU 3510; Metts, Calland D, 1 cr
4502 Symphonic Wind Ensemble (max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)	83574 009 REH; (1-2 hr arr time with instructor in H 245) (Brass Quintet); Meets with: 83554 MU 1541; Belck, Scott Brian, 0.50 cr	5991 Independent Study (max crs 9; 9 repeats allowed; A-F only; prereq Min 60 cr or Grad Student or instr consent; can apply max 6 cr to a Grad School program)
83428 001 REH, 03:15pm-04:30pm MTWTh, Room TBA; Meets with: 83314 MU 1502; Whitlock, Mark Eugene, 1 cr	83576 010 REH; (1-2 hr arr time with instructor) (Woodwinds); Meets with: 83556 MU 1541; Neff, Kathleen Ann; Campbell, Jefferson T; Schoen, Theodore A, 0.50 cr	83756 001 IND; Perrault, Rudy, 1-3 cr
4503 Symphony Orchestra (max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)	84328 011 REH; (1-2 hr arr time with instructor) (Piano Trio); Meets with: 84302 MU 1541; Rubin, Justin Henry; Doty, Jeanne Alyce, 0.50 cr	8300 Graduate Recital (max crs 2; A-F only; prereq Grad student, instructor consent)
83430 001 REH, 07:00pm-09:30pm TTh, Room TBA; Meets with: 83316 MU 1503; Perrault, Rudy, 1 cr	85304 013 REH, 03:00pm-03:50pm MW, Room TBA; (Guitar Ensemble II); Meets with: 85302 MU 1541; Barnard, William Michael, 0.50 cr	83924 001 PRC; Inselman, Rachel Laura; Kritzmire, Judith A, 1 cr
4504 Chamber Orchestra (max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)	86374 014 REH; (Classical Guitar Ensemble); Meets with: 86372 MU 1541; O'Hara, Thomas, 0.50 cr	8301 Graduate Applied Music: Major Instrument (max crs 10; 5 repeats allowed; A-F only; prereq Advanced proficiency, grad student, instr consent)
84758 001 REH, 04:45pm-06:00pm TTh, Room TBA; Meets with: 84756 MU 1504; Perrault, Rudy, 1 cr	89036 015 REH; Meets with: 89038 MU 1541; Kritzmire, Judith A, 0.50 cr	86268 001 STU; (Lesson must be arranged with instructor the first week of classes); Inselman, Rachel Laura; Schoen, Theodore A; Doty, Jeanne Alyce, 2 cr
4505 Jazz Ensemble (max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)	92345 016 REH; Meets with: 92344 MU 1541; Frane, Ryan J, 0.50 cr	87214 002 STU; Inselman, Rachel Laura; Schoen, Theodore A; Doty, Jeanne Alyce, 2 cr
83522 001 REH, 02:00pm-02:50pm MWF, Room TBA; Meets with: 83500 MU 1505; Frane, Ryan J, 1 cr	4601 Applied Music Teaching (A-F only; prereq instr consent)	8302 Graduate Applied Music: Secondary Instrument (A-F only; prereq Intermediate proficiency, grad student, instructor consent; may be repeated)
83524 002 REH, 01:00pm-01:50pm MWF, Room TBA; Meets with: 83502 MU 1505; Belck, Scott Brian, 1 cr	83602 001 STU; Inselman, Rachel Laura; Kritzmire, Judith A, 1 cr	86270 001 STU; (Lessons must be arranged with instructor the first week of classes); Inselman, Rachel Laura, 1 cr
4510 Concert Chorale (max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)	4605 Kodaly, Orff, Dalcroze: Classroom Applications (A-F only; prereq Music ed major and instr consent; no Grad School cr)	8401 Graduate Music Pedagogy (A-F only; prereq Graduate Student or instructor consent)
83526 001 REH, 02:00pm-02:50pm MWF, Room TBA; Meets with: 83506 MU 1510; Thielen-Gaffey, Tina, 1 cr	85324 001 LAB, 08:00am-08:50am F, H 170; Kritzmire, Judith A, 1 cr	84804 001 LEC; (1 hr arr); Doty, Jeanne Alyce, 1 cr
4511 University Singers (max crs 6; 6 repeats allowed; A-F only; prereq Instructor determines placement)	4997 Internship in Music (max crs 4; 4 repeats allowed; A-F only; prereq dept consent)	8601 Foundations of Music Learning (A-F only; prereq Grad student or instr consent)
83510 001 REH, 03:15pm-04:30pm MTWTh, Room TBA; Meets with: 83508 MU 1511; Wold, Stanley R, 1 cr	83758 001 DST; Doty, Jeanne Alyce; Wegren, Thomas Joseph; Frane, Ryan J; Belck, Scott Brian, 1-2 cr	88938 001 LEC; Kritzmire, Judith A, 3 cr
	5005 African Roots of American Music (A-F only; prereq 60 cr or instr consent)	8701 Graduate Applied Conducting (max crs 12; 12 repeats allowed; A-F only; prereq 3702, 3706 or equivalent; Graduate Student or instr consent)
	87212 001 LEC, 12:00pm-12:50pm MWF, LSBE 265; Class meets in WMH 206.; Koshinski, Eugene J, 3 cr	84806 001 LEC; (1-2 hrs arr); Thielen-Gaffey, Tina; Wold, Stanley R, 1-2 cr

OJIBWE EDUCATION (OjEd)**College of Education & Human Service Professions**

- 4200 Ojibwe Language Methods**
(A-F; prereq 4100 or instr consent. Concurrent registration is required (or allowed) in 4201, 4202, 4203, admission to Ojibwe Elem/Middle School Program, successful completion of block one, no Grad School cr)
91234 460 LEC; McInnes, Brian D, 4 cr
- 4201 Understanding Our Environment and Mother Earth**
(A-F; prereq Concurrent registration is required (or allowed) in 4200, 4202, 4203, admission to Ojibwe Elem/Middle School Program; successful completion of block one courses; no Grad School cr)
91235 460 LEC, 4 cr
- 4202 Minnesota Based Treaties, Sovereignty, and Tribal Government**
(A-F; prereq Concurrent registration is required (or allowed) in 4200, 4201, 4203, admission to Ojibwe Elem/Middle School Program; successful completion of block one courses; no Grad School cr)
91236 460 LEC; Peacock, Thomas D, 4 cr
- 4203 The Inclusive Classroom**
(A-F; prereq Concurrent registration is required (or allowed) in 4200, 4201, 4202, admission to Ojibwe Elem/Middle School Program; successful completion of block one courses; no Grad School cr)
91237 460 LEC, 4 cr
- 4320 Assessment of American Indian Learners**
(Credit will not be granted if credit has been received for: OJED 5320; A-F only; prereq Naadamaadwin Tribal Special Education cohort (special education licensure), 4310, no Grad School cr)
92874 421 LEC; Meets with: 92875 OJED 5320, 4 cr
- 4330 Working with American Indian Families and Community**
(Credit will not be granted if credit has been received for: OJED 5330; A-F only; prereq Naadamaadwin Tribal Special Education cohort (special education licensure), 4310, no Grad School cr)
92876 421 LEC; Meets with: 92877 OJED 5330, 4 cr
- 5120 Ojibwe Language Grammatical Pedagogy**
(A-F; prereq instr consent, no Grad School cr)
91159 035 LEC; (registration for Tribal4 Cohort only); , 2 cr
- 5320 Assessment of American Indian Learners**
(Credit will not be granted if credit has been received for: OJED 4320; A-F only; prereq Naadamaadwin Tribal Special Education cohort, 4310)
92875 421 LEC; Meets with: 92874 OJED 4320, 4 cr
- 5330 Working with American Indian Families and Community**
(Credit will not be granted if credit has been received for: OJED 4330; A-F only; prereq Naadamaadwin Tribal Special Education cohort (special education licensure), (4310 or 5310))
92877 421 LEC; Meets with: 92876 OJED 4330, 4 cr

PHARMACOLOGY (Phcl)**Duluth School of Medicine**

- 4094 Directed Research in Pharmacology I**
(max crs 10; A-F only; prereq Upper div sci major, instr consent)
83866 001 DRS, 1-10 cr
- 5001 Introduction to Pharmacology**
(A-F; prereq 5601 or 3011 or equivalent)
91563 001 LEC, 2 cr
- 5204 Pharmacology Seminar**
(max crs 4; 4 repeats allowed; A-F only; prereq Grad student, instr consent)
83868 001 SEM, 1 cr

- 5702 Cell Signaling**
(A-F; prereq PHSL 5601 or IBS 8103, instr consent)
91704 001 DIS, 2 cr
- 8333 FTE: Master's**
(NGA; prereq Master s student, adviser and DGS consent)
82524 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS consent)
84560 001 DRS, 1 cr
- 8666 Doctoral Pre-Thesis Credits**
(max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr)
84576 001 THE, 1-6 cr
- 8777 Thesis Credits: Master's**
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
84612 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)
84632 001 THE, 1-24 cr

PHARMACY (Phar)**College of Pharmacy, Duluth**

- 1001 Orientation to Pharmacy**
86550 001 IND; Bumgardner, Melissa Ann; Pittenger, Amy Louise, 2 cr
- 1003 Non-Prescription Medications and Self-Care: Treating Minor Conditions**
86552 001 IND; Bumgardner, Melissa Ann; Pittenger, Amy Louise, 2 cr
- 1004 Common Prescription Drugs and Diseases**
(A-F only)
86768 001 IND; Bumgardner, Melissa Ann; Pittenger, Amy Louise, 2 cr
- 3700 Fundamentals of Pharmacotherapy**
(Credit will not be granted if credit has been received for: PHAR 5700; A-F; prereq Medical terminology)
87662 001 DST; Bumgardner, Melissa Ann; Pittenger, Amy Louise, 3 cr
- 4200 Drugs and the US Health Care System**
(Credit will not be granted if credit has been received for: PHAR 3200, PHAR 5200; A-F)
87642 001 IND; Bumgardner, Melissa Ann; Pittenger, Amy Louise, 3 cr
- 5102 Pharmacology for Pharmacy Students**
(A-F; prereq 5101 or instr consent, Credit will not be granted if credit has been received for: Phcl 5102)
86150 001 LEC; Dunham, Earl W., 2 cr
- 5200 Drug-Related Policy and the US Healthcare System**
(Credit will not be granted if credit has been received for: PHAR 3200, PHAR 4200; A-F)
87644 001 IND; Bumgardner, Melissa Ann; Pittenger, Amy Louise, 3 cr
- 5201 Health Sciences Applied Terminology**
(prereq Basic knowledge of human anatomy/physiology.)
85780 001 IND; Bumgardner, Melissa Ann; Pittenger, Amy Louise, 2 cr
- 5270 Therapeutics of Herbal and Other Natural Medicinals**
(A-F; prereq Phcl 6051, organic chemistry, pathophysiology of disease states, 3rd or 4th yr pharmacy student)
86756 001 LEC; Kingston, Richard L, 2 cr
- 5700 Applied Fundamentals of Pharmacotherapy**
(Credit will not be granted if credit has been received for: PHAR 3700; A-F; prereq Medical Terminology and admission to a graduate program or instr consent)
87664 001 INI; Bumgardner, Melissa Ann; Janke PhD, Kristin Kari, 3 cr
- 6112 The Practice of Pharmaceutical Care II**
(A-F; prereq First yr pharmacy student, 6111, Concurrent registration is required (or allowed) in 6172)
85608 001 DIS; Kundel PharmD, Camille, 3 cr
- 6122 Pharmacotherapy II: Patient-Centered Pathophysiologic Approach**
(A-F; prereq 5101, 6121, 6131, 6163, Concurrent registration is required (or allowed) in 5102, 6154 and 6173)
86154 001 LEC; Gulseth, Michael P, 5 cr
- 6124 Pharmacotherapy IV: Patient-Centered Pathophysiologic Approach**
(A-F; prereq 6121, 6122, 6123, 6155, 6163, Concurrent registration is required (or allowed) in 5102)
86378 001 LEC; Noreddin PhD, Ayman M; Rotschafer, John C, 5 cr
- 6131 Pharmacy and Health Care System**
(A-F; prereq Second year pharmacy student)
86892 001 LEC; Cline, Richard R; Worley, Marcia Marie, 3 cr
- 6133 Pharmacy Practice Management**
(A-F; prereq Third year pharmacy student)
86894 001 LEC; Hadsall, Ronald S, 3 cr
- 6134 Law and Ethics in Pharmacy Practice**
(A-F)
86380 001 LEC; Marshall, Mary Faith; Shim, Andrew J, 2 cr
- 6135 Pharmacy Outcomes**
(A-F; prereq 6123, 6175)
86578 001 LEC; Conway, Jeannine M, 2 cr
- 6150 Honors: Medicinal Chemistry Seminar**
(max crs 2; A-F only; prereq 6150; meets HON req of Honors)
88816 001 SEM; Abul-Hajj, Yusuf J, 1 cr
- 6152 Biochemistry of Medicinals II**
(Credit will not be granted if credit has been received for: CHEM 4352; A-F; prereq 6151, Concurrent registration is required (or allowed) in 6172)
85610 001 LEC; Class meets with Chem 4352 in LSci 175.; Rumbley, Jon N, 3 cr
- 6155 Medicinal Agents II**
(A-F; prereq 6154, Concurrent registration is required (or allowed) in 5102 and 6174)
86152 001 LEC; Anderson, Grant Wesley; Abul-Hajj, Yusuf J, 2 cr
- 6157 Human Nutrition and Drug Therapy**
(A-F; prereq 6152)
86382 001 LEC; Shier, W Thomas, 3 cr
- 6158 Recombinant DNA-Derived Drugs**
(A-F; prereq 6151)
85872 001 LEC, 01:25pm-02:15pm MWF, Room TBA; Meets with: 85612 PHAR 6159; Wagner, Carston R; Anderson, Grant Wesley, 1 cr
- 6159 Pharmaceutical Immunology and Biotechnology**
(A-F; prereq 6151)
85612 001 LEC, 01:25pm-02:15pm MWF, Room TBA; Meets with: 85872 PHAR 6158; Wagner, Carston R; Anderson, Grant Wesley, 3 cr
- 6160 Honors: Experimental and Clinical Pharmacology Seminar**
(A-F; prereq instr consent; meets HON req of Honors)
88818 001 SEM, 12:20pm-01:10pm W, Room TBA; Tracy, Tim, 1 cr
- 6162 Drug Delivery II**
(A-F; prereq 6161, Concurrent registration is required (or allowed) in 6172)
85614 001 LEC; Suryanarayanan, Raj; Rutkowski, Gregory, 3 cr

6165	Pharmaceutical Calculations (A-F; prereq First yr pharmacy student)	6250	Honors: Social and Administrative Pharmacy Seminar (A-F; prereq instr consent; meets HON req of Honors)	7126	Patient Care Practice Experience (A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
85628	001 LEC; George, Angela, 1 cr	86294	001 SEM; Schommer, Jon C, 1 cr	86908	001 IEX, 4 cr
6172	Pharmaceutical Care Skills (A-F; prereq 6112, 6152, 6162)	6260	Honors: Pharmaceutics Seminar (A-F only; prereq instr consent; meets HON req of Honors)	7128	Acute Patient Care Practice Experience II (A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
85624	001 LEC; Bastianelli, Karen Marie	88820	001 SEM, 04:00pm-05:15pm Th, Room TBA; Elmquist, William Frederick, 1 cr	86910	001 IEX, 4 cr
85626	002 LAB; Bastianelli, Karen Marie, 2 cr	6293	Directed Research I (max crs 5; prereq instr consent)	7211	Elective Practice Experience I (A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
6174	Pharmaceutical Care Skills (A-F; prereq 6122)	86376	001 DRS, 1-5 cr	86912	001 IEX, 4 cr
86140	001 LEC, 08:00am-08:50am M, Room TBA; George, Angela	6294	Directed Study I (max crs 5; 5 repeats allowed; prereq instr consent)	7212	Elective Practice Experience II (A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
86142	002 LAB, 01:25pm-03:20pm M, LSci 216; George, Angela, 2 cr	86384	001 DST, 1-5 cr	86914	001 IEX, 4 cr
6177	Patient Assessment (A-F; prereq first yr pharmacy student)	6393	Directed Research II (max crs 5; prereq instr consent)	7213	Elective Practice Experience III (A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
85616	001 LEC; Little, Meg, 1 cr	86386	001 DRS, 1-5 cr	86916	001 IEX, 4 cr
6182	Pharm.D.IV Seminar (S-N; prereq 4th yr pharmacy student, 6181)	6394	Directed Study II (max crs 5; 5 repeats allowed; prereq instr consent)	7216	Elective Practice Experience IV (A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
86898	001 LEC; Abul-Hajj, Yusuf J, 1 cr	86388	001 DST, 1-5 cr	86918	001 IEX, 4 cr
6200	Directed Studies: Drug-related Controversies in the U.S. Health Care System (A-F; prereq Pharmacy student)	6493	Directed Research III (max crs 5; 5 repeats allowed; prereq instr consent)	7217	Elective Practice Experience V (A-F only; prereq Pharm.D. I-III, Minn Board of Pharm Intern, criminal bkgr chk, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
87680	001 INI; Bumgardner, Melissa Ann; Pittenger, Amy Louise, 2 cr	86580	001 DRS, 1-5 cr	88678	001 IEX, 4 cr
6211	Non-Prescription Drug Therapy: Focus on Patient Self-Care (A-F; prereq 6112)	6494	Directed Study III (max crs 5; prereq instr consent)	7231	Research Practice Experience I (A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
86144	001 LEC, instruction mode: Distance Education and On-Site; Larson, Tom Alan; Bumgardner, Melissa Ann, 2 cr	86302	001 DST, 1-5 cr	86920	001 IEX, 4 cr
6217	Advanced Pharmaceutical Care Clinic (max crs 2; prereq 2nd or 3rd yr pharmacy student)	7002	Early Pharmacy Practice Experience II (A-F; prereq 7001 or instr consent, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test or explanation of positive test, proof of chicken pox immunity)	7232	Research Practice Experience II (A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
89026	001 LEC; Class meets with Phar 6230 in LSci 160.; Bastianelli, Karen Marie, 1-2 cr	86156	001 PRC, 08:00am-08:50am W, Room TBA; Meets with: 86148 PHAR 7004; Little, Meg, 1 cr	7233	Research Practice Experience III (A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)
6220	Pediatric Drug Therapy (A-F; prereq 3rd or 4th yr pharmacy student)	7004	Early Pharmacy Practice Experience IV (A-F; prereq 7003 or instr consent, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test or explanation of positive test, proof of chicken pox immunity)	86924	001 IEX, 4 cr
86758	001 LEC; Jensen PharmD, Paul Duane, 2 cr	86148	001 PRC, 08:00am-08:50am W, Room TBA; Meets with: 86156 PHAR 7002; Little, Meg, 0.50 cr		
6221	Geriatric Pharmacotherapy (A-F; prereq 3rd or 4th yr pharmacy student)	7120	Community Practice Experience (A-F; prereq Pharm. D. IV, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)		
86760	001 LEC; Lackner, Thomas Edward, 2 cr	86900	001 IEX, 4 cr		
6222	Advanced Pharmaceutical Compounding (A-F; prereq 2nd or 3rd yr pharmacy student)	7121	Institutional Practice Experience (A-F; prereq Pharm. D. IV, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)		
86820	001 LEC, 06:00pm-09:00pm T, LSci 216; Meese, Joseph John, 2 cr	86902	001 IEX, 4 cr		
6224	Pharmacogenomics: Genetic Basis for Variability in Drug Response (A-F; prereq 2nd or 3rd yr pharmacy student or grad student)	7122	Acute Patient Care Practice Experience I (A-F; prereq Pharm. D. I-III, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)		
86762	001 LEC; Elmquist, William Frederick, 2 cr	86904	001 IEX, 4 cr		
6225	Diabetes Experience (A-F; prereq 2nd or 3rd yr Pharm student)	7123	Ambulatory Patient Care Practice Experience (A-F; prereq Pharm. D. IV, MN Board of Pharm intern, criminal background check, BLS CPR cert for infants/child/adults, proof of negative Mantoux test [or explanation of positive test], proof of chicken pox immunity)		
88962	001 DIS, 08:00am-08:50am F, Room TBA; Westberg, Sarah M.; Bumgardner, Melissa Ann, 1 cr				
6227	Leading Change Project (S-N; prereq 6237)				
88990	001 IND; Sorensen, Todd D; Traynor PharmD, Andrew P., 2 cr				
6228	Leading Change Portfolio (S-N; prereq 6237)				
88992	001 IND; Sorensen, Todd D; Traynor PharmD, Andrew P., 2 cr				
6230	Ambulatory PC Clinic (prereq Enrolled pharmacy student)				
86764	001 LEC; Bastianelli, Karen Marie, 2 cr				
6231	Community Pharmacy Management (A-F; prereq 6133)				
86766	001 LEC; Schommer, Jon C, 2 cr				
6232	Institutional Pharmacy Management (A-F; prereq 2nd or 3rd year pharmacy student)				
86230	001 LEC; Knoer PharmD, Scott J, 2 cr				
6238	Leading Change in Pharm II (S-N; prereq Second or third yr Pharm student)				
88920	001 LEC; Sorensen, Todd D; Traynor PharmD, Andrew P., 2 cr				

PHILOSOPHY (Phil) College of Liberal Arts

1001	Introduction to Philosophy (Credit will not be granted if credit has been received for: PHIL 1101; A-F only; meets LE req of LE CAT7)
82532	001 LEC, 02:00pm-03:15pm TTh, Engr 290; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Ford, Jason, 3 cr

- 1003 Ethics and Society**
(A-F only; prereq Credit will not be granted if credit has been received for: CLA 1101; meets LEIP req of LEIP CAT08)
- 82534 001 LEC, 09:30am-10:45am TTh, ABAH 235; (Open CE reserved seats will be available to UMD students on January 15, 2008.); McPherson, Tristram, 3 cr
- 1007 Philosophy and World Religions**
(A-F only; meets LEIP req of LEIP CAT07)
- 82536 001 LEC, 08:00am-08:50am MWF, SCC 120; Walsh, Sean P, 3 cr
- 1008 Critical Thinking**
(A-F only; meets LE req of LE CAT2)
- 85032 001 LEC, 12:00pm-12:50pm MTWF, ABAH 235; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Newman, Mark, 4 cr
- 1018 Logic**
(Credit will not be granted if credit has been received for: PHIL 1118; A-F only; meets LE req of LE CAT2)
- 85902 001 LEC, 10:00am-10:50am MTWF, ABAH 225; McGinnis, Casey Neil, 4 cr
- 82998 090 LEC, 06:00pm-07:50pm TTh, ABAH 225; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 8 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Peterson, Nancy J, 4 cr
- 2001 Existential Literature**
(A-F only; prereq Comp 1120, 30 cr or instr consent)
- 90746 001 LEC, 09:30am-10:45am TTh, Cina 102; Browning PhD, Eve A, 3 cr
- 3231 Law and Punishment**
(A-F only; prereq 1001 or Soc 1301)
- 90747 001 LEC, 09:00am-10:50am TTh, ABAH 245; Ford, Jason, 4 cr
- 3242 Values and Technology**
(A-F only; prereq 60 cr or instr consent; meets LE req of LE CAT8)
- 84772 001 LEC, 02:00pm-02:50pm MWF, KPlz 312; Newman, Mark, 3 cr
- 3291 Current Social Political Philosophy**
(A-F only; prereq 1001 or 1003 or instr consent)
- 87094 001 LEC, 04:00pm-05:50pm TTh, LSBE 229; McPherson, Tristram, 4 cr
- 3303 The Birth of Modern Philosophy**
(A-F only; prereq 30 cr, course in phil, hist, pol sci or lit or instr consent)
- 85448 001 LEC, 10:00am-11:50am MW, ABAH 235; Walsh, Sean P, 4 cr
- 3320 20th Century Philosophy**
(A-F only; prereq Min 30 cr or instr consent)
- 92789 001 LEC, 12:00pm-12:50pm MTWF, ABAH 225; McGinnis, Casey Neil, 4 cr
- 3325 Environmental Ethics**
(A-F only; prereq 30 cr or instr consent)
- 90748 001 LEC, 03:00pm-03:50pm MTWF, ABAH 225; McGinnis, Casey Neil, 4 cr
- 3655 Theory of Knowledge**
(A-F only; prereq (Min 45 cr or instr consent), 1001, 1003, 1007, 1008, 1018, (1101 or 1118), Credit will not be granted if credit has been received for: [PHIL 4655])
- 87190 001 LEC, 09:00am-09:50am MTWF, ABAH 225; Newman, Mark, 4 cr
- 3900 Colloquium for Majors**
(S-N only; prereq Phil major/minor, dept consent; attendance at 12 dept-approved lectures/discussions over 4-yr period; regis only during semester of 10th lect)
- 83652 001 COL; , 1 cr
- 5991 Independent Study**
(max crs 10; 10 repeats allowed; A-F only; prereq instr consent, cannot be used to satisfy requirements for phil major or minor)
- 83964 001 IND, 1-3 cr
- 5997 Intern Teaching Assistantship**
(max crs 4; A-F only; prereq instr consent)
- 83660 001 IEX, 2 cr

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

- 1220 Intermediate Swimming**
(meets LE req of PE)
- 83850 001 PHY, 09:00am-09:50am MW, SpHC 20; Batinich, Gregg Anthony, 1 cr
- 1300 Ballroom Dance**
(meets LE req of PE)
- 83852 090 PHY, 06:00pm-07:50pm M, SpHC 135; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Carlson, Cynthia C, 1 cr
- 1304 Square Dance**
(meets LE req of PE)
- 86732 090 PHY, 06:00pm-07:50pm T, SpHC 135; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Carroll, Christopher Ralph, 1 cr
- 1402 Tennis**
(meets LE req of PE)
- 84364 001 PHY, 11:00am-11:50am MW, FH 25; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; , 1 cr
- 1414 Bowling**
(meets LE req of PE)
- 83854 001 PHY, 01:00pm-02:40pm T, Skyline La SKYLINELAN; (SpHC 9A first day, then Skyline Lanes); Fleissner, Elizabeth A, 1 cr
- 1500 Cross-Country Skiing**
(meets LE req of PE)
- 83856 001 PHY, 09:00am-11:30am Th, SpHC 9A, OFFCMPUMD, 01/20/09-03/13/09; Zmudy, Mark Howard, 1 cr
- 1502 Alpine Skiing**
(A-F only; meets LE req of PE)
- 83858 090 PHY, 06:00pm-09:00pm T, Spirit Mtn CHALET0000, OFFCMPUMD, 01/20/09-03/13/09; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 10 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; , 1 cr
- 83862 092 PHY, 01/20/09-03/13/09; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 10 seats reserved for Continuing Education, 1 cr
- 1507 Introduction to River Kayaking**
(meets LE req of PE)
- 84366 001 PHY, 02:00pm-03:40pm T, SpHC 20; Carlson, Randall Scott, 1 cr
- 1510 Whitewater Kayaking**
(prereq 1507 or instructor consent; meets LE req of PE)
- 83824 001 PHY, 11:00am-05:00pm Th, Room TBA, 03/23/09-05/08/09; Special Term Dates: 3/23/09-5/8/09. Please see instructor for permission into this course. Class will meet at the pool (SpHC 20) and from there travel to local rivers.; Carlson, Randall Scott, 2 cr
- 1531 Intermediate Rock Climbing**
(prereq 1530 or instr consent)
- 86114 001 PHY, 02:00pm-06:00pm Th, SpHC 78, 03/23/09-05/08/09; Special Term Dates: 3/27/08-5/8/08; Webster, Kaija Marie, 1 cr
- 1601 Aerobics**
(meets LE req of PE)
- 83876 001 PHY, 08:00am-08:50am MW, SpHC 135; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Wendinger, Patricia J, 1 cr
- 1616 Weight Training**
(meets LE req of PE)
- 83842 001 PHY, 10:00am-10:50am MW, SpHC 92; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; , 1 cr

- 91983 174 PHY, 12/20/08-09/01/09, 1 cr
- 1708 Basketball**
(meets LE req of PE)
- 84242 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 instr consent)
- 87918 001 PHY; Nielson, Robert B, 1 cr
- 1905 Varsity Basketball**
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)
- 84682 001 PHY; Holquist, Gary W, 1 cr
- 84684 002 PHY; Wiles, Annette M, 1 cr
- 1907 Varsity Ice Hockey**
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)
- 84686 001 PHY; Sandelin, Scott A, 1 cr
- 84688 002 PHY; Miller, Shannon, 1 cr
- 1919 Varsity Track**
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)
- 84492 001 PHY; Fulkrod, John E, 1 cr
- 1925 Varsity Baseball**
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)
- 84488 001 PHY; Rients, Bob Dennis, 1 cr
- 1927 Varsity Softball**
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)
- 84490 001 PHY; Banford, Jennifer Lynn, 1 cr
- 2001 Sport Ethics and Society**
(A-F only; meets LE req of LE CAT7)
- 86426 350 LEC; (Open CE reserved seats will be available to UMD students on January 15, 2008.) This course will be entirely online using Web CT Vista. An email will be sent to you prior to the starting date with directions of how you can login to the course. The textbook for this course are available through the UMD bookstore (218-726-7286). This course is not an independent study but follows the semester schedule with weekly assignments, on-line class discussions, and tests... 3 cr
- 2240 Lifeguarding Today**
(prereq Ability to swim 500 yards, instr consent)
- 83634 001 PHY, 08:00am-09:15am TTh, SpHC 20, 08:00am-09:15am TTh, SpHC 9; Batinich, Gregg Anthony, 1 cr
- 2244 Water Safety Instructor**
(A-F only; prereq 1240, 17 yrs old, knowledge and skill based on Emergency Water Safety Standard)
- 83772 001 PHY, 09:30am-10:45am TTh, SpHC 20; Batinich, Gregg Anthony, 2 cr
- 2500 Advanced Nordic Ski: Telemark and Backcountry Ski Techniques**
(A-F only; prereq 1500 or instr consent)
- 91020 001 LAB, 08:00am-05:00pm MTWThF, SpHC 207, 01/08/09-01/16/09; Beery, Thomas Harold, 2 cr

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

- 1020 Teaching Rhythms**
(A-F only; prereq Credit will not be granted if credit has been received for: [1000], PE or rec major or instr consent.)
- 85372 001 LEC, 01:00pm-02:15pm TTh, SpHC 8, 01:00pm-02:15pm TTh, SpHC 135; Wendinger, Patricia J, 1 cr
- 1310 Teaching Dance**
(A-F only; prereq Pre PE major or rec major)
- 87814 001 LEC, 10:00am-10:50am MWF, SpHC 135; Knapp, Jim L, 2 cr
- 1400 Teaching Tennis and Golf**
(A-F only; prereq Pre PE major or rec major)
- 83790 001 LEC, 08:00am-08:50am MW, FH 25, 08:00am-08:50am MW, SpHC 150; Knapp, Jim L, 1 cr

1504 Teaching Skating (prereq Pre PE major or rec major or instr consent)	85184 002 LAB, 10:00am-11:50am T, MWAH 275; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; , 5 cr	85270 004 LAB, 12:00pm-01:50pm T, MWAH 241; , 4 cr
83966 001 LEC, 09:30am-10:45am TTh, SpHC 90; Class meets 1st half of the semester. Out of class project to be assigned 2nd half of the semester.; Knapp, Jim L, 1 cr	85186 003 LAB, 02:00pm-03:50pm T, MWAH 275; , 5 cr	85272 005 LAB, 02:00pm-03:50pm T, MWAH 241; , 4 cr
1700 Teaching Soccer and Softball (A-F only; prereq Pre PE major or rec major or instr consent)	85188 004 LAB, 08:00am-09:50am Th, MWAH 275; , 5 cr	85274 006 LAB, 01:00pm-02:50pm W, MWAH 241; , 4 cr
83794 001 LEC, 10:00am-10:50am MW, FH 25, 10:00am-10:50am MW, SpHC 207; Wendinger, Patricia J, 1 cr	85190 005 LAB, 12:00pm-01:50pm Th, MWAH 275; , 5 cr	85276 007 LAB, 10:00am-11:50am Th, MWAH 241; , 4 cr
2000 Foundations of Physical Education (A-F only; prereq Pre PE major or rec major and min 30 cr or instr consent)	85472 006 LAB, 02:00pm-03:50pm Th, MWAH 275; , 5 cr	88000 008 LAB, 01:00pm-02:50pm Th, MWAH 241; , 4 cr
82568 001 LEC, 12:00pm-12:50pm MWF, SpHC 210; Wendinger, Patricia J, 3 cr	1002 Introduction to Physics II (A-F only; prereq 1001)	88996 009 LAB, 03:00pm-04:50pm Th, MWAH 241; , 4 cr
3126 Elementary School Physical Education (A-F only; prereq elem/middle schl teach educ pre- or candidate or instr consent)	001 LEC, 08:00am-08:50am MTWF, MWAH 195	2021 Relativity and Quantum Physics (A-F only; prereq 1202 or 1204 or 2012)
83904 001 LEC, 12:00pm-01:15pm TTh, SpHC 210, 12:00pm-01:15pm TTh, SpHC 150A; Knapp, Jim L, 2 cr	82580 002 LAB, 09:00am-10:50am T, MWAH 249; , 5 cr	82592 001 LEC, 02:00pm-02:50pm MTWF, MWAH 279; Gran, Richard William, 4 cr
3501 Teaching Cross-Country Skiing (A-F only; prereq Credit will not be granted if credit has been received for: [1500], PE, exer sci or rec major or instr consent)	82582 003 LAB, 11:00am-12:50pm T, MWAH 249; , 5 cr	2022 Classical Physics (A-F only; prereq Credit will not be granted if credit has been received for: [1203 or 1205 or 2001], 2012.)
85180 001 LEC, 09:00am-11:30am T, SpHC 9A, 01/20/09-03/13/09; Beery, Thomas Harold, 1 cr	82584 004 LAB, 02:00pm-03:50pm T, MWAH 249; , 5 cr	85280 001 LEC, 10:00am-10:50am MWThF, MWAH 279; Katsev, Sergei, 4 cr
3507 Teaching Outdoor Skills (prereq Credit will not be granted if credit has been received for: [1507], Pe or rec major, (Rec 1201 or Rec 1203), Rec 1202, Rec 1204, Rec 2300 or instr consent)	82586 005 LAB, 02:00pm-03:50pm W, MWAH 249; , 5 cr	2033 Classical and Quantum Physics Lab (Credit will not be granted if credit has been received for: PHYS 2031; A-F only; prereq Concurrent registration is required (or allowed) in 2021 and 2022)
83984 001 LEC, 02:00pm-04:30pm Th, SpHC 9A; Off campus field trip: 2/15-16 and 4/25-27.; Gilbertson, Kenneth Lloyd, 2 cr	82588 006 LAB, 08:00am-09:50am Th, MWAH 249; , 5 cr	85282 001 LAB, 09:00am-12:50pm T, MWAH 347; Sydor, Michael, 2 cr
3508 Teaching Rock Climbing (prereq Credit will not be granted if credit has been received for: [1508], exer sci or pe or rec major, PE 1530 or instr consent)	85334 007 LAB, 10:00am-11:50am Th, MWAH 249; , 5 cr	2111 Solving Physics Problems I (Credit will not be granted if credit has been received for: PHYS 1101, PHYS 1101; S-N only; prereq Math 1296 or Math 1596, concurrent registration is required in 2011)
90497 001 LAB, 02:00pm-06:00pm T, SpHC 78; Webster, Kaija Marie, 1 cr	85476 008 LAB, 12:00pm-01:50pm Th, MWAH 249; , 5 cr	85284 001 DIS, 04:00pm-04:50pm M, MWAH 195; , 1 cr
3720 Elementary Physical Education Methods (A-F only; prereq 3010, 3700, Secondary Teacher Education Program (STEP), instr consent; Concurrent registration is required (or allowed) in PEP 3721)	1011 Ideas in Physics (A-F only; prereq Will not satisfy major or minor requirements in phys; meets LE req of LE CAT5)	2112 Solving Physics Problems II (S-N only; prereq Math 1297 or Math 1597, concurrent registration is required in 2012)
85540 001 LEC, 08:00am-12:00pm TTh, SpHC 208; Wendinger, Patricia J, 4 cr	82590 001 LEC, 10:00am-11:15am TTh, MWAH 195; (Open CE reserved seats will be available to UMD students on 01/13/09.); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Johnson, Darrin Eric, 3 cr	85286 001 DIS, 04:00pm-04:50pm W, MWAH 195; Sydor, Michael, 1 cr
3721 Apprenticeship: Elementary (A-F only; prereq Secondary Teacher Education Program (STEP), instr consent, Concurrent registration is required (or allowed) in PEP 3720)	2011 General Physics I (Credit will not be granted if credit has been received for: PHYS 1201; A-F only; prereq Math 1290 or Math 1296 or Math 1596; meets LE req of LE CAT4)	2199 Physics Tutoring (max crs 4; 4 repeats allowed; S-N only; prereq 2012 or dept consent)
85528 001 LAB TTh, Room TBA; Meets with PEP 3720; Wendinger, Patricia J, 2 cr	001 LEC, 02:00pm-02:50pm MWThF, MWAH 195	82638 001 IND; Maps, Jonathan, 1-2 cr
3970 Supervised Teaching: College (A-F; prereq Secondary Teacher Education Program (STEP), instr consent)	85246 002 LAB, 08:00am-09:50am T, MWAH 277; Meets with: 92256 PHYS 2011; , 4 cr	3091 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq dept consent)
83970 001 PRC; Wendinger, Patricia J, 1 cr	85248 003 LAB, 10:00am-11:50am T, MWAH 277; Meets with: 92257 PHYS 2011; , 4 cr	82634 001 IND; , 1-3 cr
4991 Independent Study (max crs 8; 8 repeats allowed; A-F only; prereq PE or exer sci major and instr consent; no Grad School credit)	85250 004 LAB, 12:00pm-01:50pm T, MWAH 277; Meets with: 92258 PHYS 2011; , 4 cr	3094 Physics Research (max crs 6; 6 repeats allowed; S-N only; prereq dept consent)
83874 001 IND; Nierengarten, Mark Edward, 1-4 cr	85252 005 LAB, 02:00pm-03:50pm T, MWAH 277; Meets with: 92259 PHYS 2011; , 4 cr	82636 001 DRS, 1-6 cr
4997 Practicum (max crs 5; 5 repeats allowed; A-F only; prereq PE or exer sci major; no Grad School credit)	85254 006 LAB, 03:00pm-04:50pm W, MWAH 277; , 4 cr	3561 Astrophysics (Credit will not be granted if credit has been received for: PHYS 5561; A-F; prereq 2021)
83870 001 PRC; Nierengarten, Mark Edward, 1-5 cr	85256 007 LAB, 08:00am-09:50am Th, MWAH 277; Meets with: 92260 PHYS 2011; , 4 cr	91158 001 LEC, 03:00pm-03:50pm MWF, MWAH 279; Meets with: 86978 PHYS 5561; Habig, Alec T, 3 cr
PHYSICS (Phys) Swenson College of Science & Engineering	85258 008 LAB, 10:00am-11:50am Th, MWAH 277; Meets with: 92261 PHYS 2011; , 4 cr	4110 Physics for Science Teachers (A-F only; prereq 1002 or 2012, no Grad School cr.)
1001 Introduction to Physics I (A-F only; prereq Algebra, trig; meets LE req of LE CAT4)	85260 009 LAB, 12:00pm-01:50pm Th, MWAH 277; Meets with: 92262 PHYS 2011; , 4 cr	001 LEC, 04:00pm-04:50pm T, MWAH 195
001 LEC, 09:00am-09:50am MTWF, MWAH 195	91094 010 LAB, 03:00pm-04:50pm Th, MWAH 277; , 4 cr	86588 002 DIS, 04:00pm-05:50pm Th, MWAH 195; , 2 cr
	021 LEC, 03:00pm-03:50pm MWThF, MWAH 195	5061 Experimental Methods (A-F only; prereq 2033 or 2031, 3061)
	92256 022 LAB, 08:00am-09:50am T, MWAH 277; Meets with: 85246 PHYS 2011; , 4 cr	001 LEC, 01:00pm-01:50pm MW, MWAH 279; Habig, Alec T, 3 cr
	92257 023 LAB, 10:00am-11:50am T, MWAH 277; Meets with: 85248 PHYS 2011; , 4 cr	5090 Physics Seminar (max crs 2; A-F only; prereq Sr or grad student)
	92258 024 LAB, 12:00pm-01:50pm T, MWAH 277; Meets with: 85250 PHYS 2011; , 4 cr	86442 001 SEM, 01:00pm-01:50pm F, MWAH 279; Maps, Jonathan, 1 cr
	92259 025 LAB, 02:00pm-03:50pm T, MWAH 277; Meets with: 85252 PHYS 2011; , 4 cr	5511 Electrodynamics (A-F only; prereq 4011)
	92260 027 LAB, 08:00am-09:50am Th, MWAH 277; Meets with: 85256 PHYS 2011; , 4 cr	86976 001 LEC, 09:00am-09:50am MWF, MWAH 279; Gran, Richard William, 3 cr
	92261 028 LAB, 10:00am-11:50am Th, MWAH 277; Meets with: 85258 PHYS 2011; , 4 cr	5522 Quantum Mechanics II (A-F only; prereq 5521)
	92262 029 LAB, 12:00pm-01:50pm Th, MWAH 277; Meets with: 85260 PHYS 2011; , 4 cr	87672 001 LEC, 11:00am-11:50am MWF, MWAH 279, 3 cr
	2012 General Physics II (A-F only; prereq Credit will not be granted if credit has been received for: [1202 or 1204], 2011, Math 1297 or Math 1597)	
	001 LEC, 12:00pm-12:50pm MWThF, MWAH 195	
	85266 002 LAB, 08:00am-09:50am T, MWAH 241; , 4 cr	
	85268 003 LAB, 10:00am-11:50am T, MWAH 241; , 4 cr	

- 5541 Fluid Dynamics**
(A-F only; prereq 2022 or 2001, Math 3280)
86446 001 LEC, 08:00am-08:50am MWF, MWAH 279; Austin, Jay A, 3 cr
- 5561 Astrophysics**
(Credit will not be granted if credit has been received for: PHYS 3561; A-F only; prereq 2021 and 2022, Math 3280)
86978 001 LEC, 03:00pm-03:50pm MWF, MWAH 279; Meets with: 91158 PHYS 3561; Habis, Alec T, 3 cr
- 5591 Independent Study**
(max crs 6; 6 repeats allowed; S-N only; prereq Consent of director of graduate studies, instr consent)
83034 001 IND, 1-3 cr
- 5594 Physics Research**
(max crs 6; 6 repeats allowed; S-N only; prereq instr consent)
83036 001 DRS; , 1-3 cr
- 8333 FTE: Master's**
(NGA; prereq Master's student, adviser and DGS consent)
82526 001 DRS, 1 cr
- 8777 Thesis Credits: Master's**
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
84616 001 THE; , 1-18 cr

POLITICAL SCIENCE (Pol) College of Liberal Arts

- 1011 American Government and Politics**
(A-F only; meets LE req of LE CAT6)
82690 001 LEC, 09:00am-09:50am MWF, MonH 80; Currin-Percival, Mary, 3 cr
87112 002 LEC, 02:00pm-03:15pm TTh, MonH 70; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Percival, Garrick L, 3 cr
88626 003 LEC, 01:00pm-01:50pm MWF, MonH 203; Jennings, Mark C, 3 cr
- 1050 International Relations**
(A-F only; meets LEIP req of LEIP CAT08)
85880 001 LEC, 10:00am-10:50am MWF, SCC 120; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Caprioli, Mary, 3 cr
87150 002 LEC, 08:00am-09:15am TTh, MonH 70; (Open CE reserved seats will be available to UMD students on January 9, 2007.); Sharp, Paul, 3 cr
- 1500 Introduction to Comparative Politics**
(A-F only; meets LEIP req of LEIP CAT06)
82692 001 LEC, 03:00pm-03:50pm MWF, Cina 102; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Das, Runa, 3 cr
90600 002 LEC, 03:30pm-04:45pm TTh, MonH 70; Youde, Jeremy Roger, 3 cr
- 1610 Introduction to Political Theory**
(A-F only; meets LE req of LE CAT7)
82696 001 LEC, 11:00am-11:50am MWF, Cina 308; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Shuster, Amy L, 3 cr
- 3097 Government Internship**
(max crs 12; 12 repeats allowed; S-N only; prereq 60 cr; 4 cr max from 3097, 3197, 3297 may be applied toward advanced Pol major requirements; instructor consent)
84386 001 IEX, 1-12 cr
86060 002 IEX, 1-12 cr
86062 003 IEX, 1-12 cr
86884 004 IEX, 1-12 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; instr consent)
84388 001 IEX, 1-2 cr
86064 002 IEX, 1-2 cr
86066 003 IEX, 1-2 cr
86068 004 IEX, 1-2 cr
86070 005 IEX, 1-2 cr
86072 006 IEX, 1-2 cr

- 90601 007 IEX, 1-2 cr
- 3150 American Constitutional Law I**
(A-F only; prereq 1011, 45 cr or instr consent)
90602 001 LEC, 02:00pm-03:50pm TTh, Cina 102; Staats, Joseph Lawrence, 4 cr
- 3151 American Constitutional Law II**
(A-F only; prereq 1011, 45 cr or instr consent)
82742 001 LEC, 04:00pm-05:50pm TTh, Cina 308; Staats, Joseph Lawrence, 4 cr
- 3197 Nongovernmental Internship**
(max crs 12; 12 repeats allowed; S-N only; prereq 60 cr; 4 cr max from 3097, 3197, 3297 may be applied toward advanced Pol major requirements; instructor consent)
84350 001 IEX, 1-12 cr
86074 002 IEX, 1-12 cr
86076 003 IEX, 1-12 cr
86880 004 IEX, 1-12 cr
- 3311 Public Opinion and Polling Methods**
(A-F; prereq 1011 or equivalent, 45 cr)
88008 001 LEC, 03:00pm-04:50pm MW, Cina 308; Currin-Percival, Mary, 4 cr
- 3403 American Foreign Policy**
(Credit will not be granted if credit has been received for: POL 3402; A-F; prereq 1011 or 1050, min 45 cr)
90604 001 LEC, 08:00am-08:50am MWF, Cina 308; Caprioli, Mary, 3 cr
- 3511 Politics of South Asia**
(A-F only; prereq 1500, 45 cr incl 8 cr soc sci or instr consent)
90605 001 LEC, 12:00pm-01:50pm MW, Cina 102; Das, Runa, 4 cr
- 3515 Theories of Comparative Politics**
(A-F only; prereq 1500, 45 cr incl 8 cr soc sci or instr consent)
88012 001 LEC, 4 cr
- 3518 Transitional Politics of Asia**
(A-F; prereq 1500, 3570, or equivalent, 45 cr)
90606 001 LEC, 06:00pm-06:50pm MWF, Cina 308; Das, Runa, 3 cr
- 3651 Classical Political Thought**
(A-F only; prereq 1610 or instr consent)
91181 001 LEC, 01:00pm-02:50pm MW, Cina 308; Shuster, Amy L, 4 cr
- 4190 The Senior Seminar**
(A-F only; prereq 6 cr in relevant upper div pol courses, instr consent)
85036 001 SEM, 06:00pm-07:50pm TTh, Cina 316; Youde, Jeremy Roger, 4 cr
85350 002 SEM, 04:00pm-05:50pm MW, Cina 102; Jennings, Mark C, 4 cr
88628 003 SEM, 12:00pm-01:50pm TTh, Cina 106, 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, instr consent)
82844 001 IND, 1-4 cr
86078 002 IND, 1-4 cr
86080 003 IND, 1-4 cr
86082 004 IND, 1-4 cr
86084 005 IND, 1-4 cr
86086 006 IND, 1-4 cr
88016 008 IND, 1-4 cr
88018 009 IND, 1-4 cr

PSYCHOLOGY (Psy) College of Education & Human Service Professions

- 1003 General Psychology**
(A-F only; meets LE req of LE CAT6)
83532 001 LEC, 02:00pm-03:50pm MW, MonH 70; Apostal, Kathryn J, 4 cr
83534 002 LEC, 01:00pm-01:50pm MTWTh, MonH 80; (Open CE Reserve seats will be available to UMD students 01/13/09); 3 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Pedersen, Paula Jean, 4 cr
83536 003 LEC, 06:00pm-07:50pm TTh, Chem 200; (Open CE Reserve seats will be available to UMD students 01/13/09); 4 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Apostal, Kathryn J, 4 cr

- 87872 004 LEC, 08:00am-08:50am MTWTh, MonH 80; (Open CE Reserve seats will be available to UMD students 01/13/09); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Taylor, John Powell, 4 cr
- 87220 350 INI; (Online INI - Students must register and begin the course by 01/20/09 and complete all requirements by 05/08/09. No exceptions. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin. Open CE reserved seats will be available January 15, 2008); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Gordon, Randall A, 4 cr
- 2003 Psychology: Discipline and Profession**
(A-F; prereq Pre-psychology or psychology major)
87962 001 LEC, 01:00pm-01:50pm MW, BohH 90, 01/20/09-03/13/09; LaCaille, Lara, 1 cr
90844 500 LEC; Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions.; Dowell PhD, Kathy, 1 cr; S-N
- 2021 Developmental Psychology**
(A-F only; meets LECD req of LECD CAT06)
84644 001 LEC, 02:00pm-03:50pm MW, BohH 90; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Doane PhD, H Mitzi, 4 cr
91293 002 LEC, 04:00pm-05:50pm TTh, LSci 185; (Open CE Reserve seats will be available to UMD students 01/13/09); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Dusek, Christine A, 4 cr
85906 003 LEC, 12:00pm-01:50pm TTh, MonH 70; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Butterfield, Brenda S, 4 cr
87222 350 INI; (Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8, 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions. (CE Reserve seats will be available to UMD students on Jan 15, 2008.); 25 seats reserved for Psy major or pre-psy; 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Maas, Fay, 4 cr
- 2023 Marriages and Families Worldwide**
(A-F only; meets LEIP req of LEIP CAT08)
84992 001 LEC, 09:00am-10:50am TTh, LSci 175; Butterfield, Brenda S, 4 cr
85214 002 LEC, 01:00pm-01:50pm MTWTh, MWAH 195; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Dusek, Christine A, 4 cr
- 2223 Gender in Society**
(A-F only; meets LECD req of LECD CAT08)
85806 001 LEC, 12:00pm-12:50pm MTWTh, BohH 104; (Open CE Reserve seats will be available to UMD students 01/13/09); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Pedersen, Paula Jean, 4 cr
- 3010 Internship Preparation**
(A-F; prereq Psy major, instr consent)
84524 001 SEM, 12:00pm-12:50pm MW, MonH 208; Woolum, Sandra J, 2 cr
- 3011 Internship in Psychology**
(max crs 6; A-F; prereq 3010, instr consent)
87870 001 IEX, 11:00am-11:50am M, BohH 351; Woolum, Sandra J, 3 cr

87880	002 IEX, 08:00am-08:50am W, BohH 343; Days and times are arranged.; LaCaille, Lara, 3 cr				
3020	Statistical Methods (A-F only; prereq Elem Algebra, Math placement test)				
86952	001 LEC, 09:00am-09:50am MTWTh, BohH 104; Miller, Kristelle, 4 cr				
86124	002 LEC, 03:00pm-03:50pm MTWTh, BohH 108; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Taylor, John Powell, 4 cr				
85060	003 LEC, 02:00pm-02:50pm MTWTh, BohH 108; Miller, Kristelle, 4 cr				
87224	350 INI; (Online INI-Students must register and begin the course by 01/20/09 and complete all requirements by 05/08/09. No exceptions. Initial course information is available at http://www.d.umn.edu/goto/ini . Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Grossman, Eugene Ernest, 4 cr				
90869	500 LEC; Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to https://www.umn.edu/initiate? and follow the directions.; Grossman, Eugene Ernest, 4 cr				
3021	Experimental Design and Methodology (A-F only; prereq 2003)				
	001 LEC, 09:30am-10:45am TTh, MonH 30; Durgunoglu, Aydin Yucesan				
83884	002 LAB, 08:00am-08:50am W, Cina 22; Durgunoglu, Aydin Yucesan, 4 cr				
83886	003 LAB, 12:00pm-12:50pm W, Cina 22; Durgunoglu, Aydin Yucesan, 4 cr				
84734	004 LEC, 09:00am-09:50am MWF, SpHC 208; Taylor, John Powell				
84736	005 LAB, 09:00am-09:50am Th, Cina 22; Taylor, John Powell, 4 cr				
3022	Applied Methods and Measurement (A-F only; prereq 3020, 3021, instr consent)				
	001 LEC, 02:00pm-03:15pm MW, BohH 311; Slowiak, Julie M				
83890	002 LAB, 09:00am-09:50am T, Cina 22; Slowiak, Julie M, 4 cr				
83892	003 LAB, 10:00am-10:50am T, Cina 22; Slowiak, Julie M, 4 cr				
83896	004 LEC, 09:30am-10:45am TTh, BohH 311; Gordon, Randall A				
83898	005 LAB, 01:00pm-01:50pm W, Cina 22; Gordon, Randall A, 4 cr				
	006 LAB, 02:00pm-02:50pm W, Cina 22; Gordon, Randall A, 4 cr				
	007 LEC, 02:00pm-02:50pm MWF, BohH 104; Lloyd, Robert Lee				
85218	008 LAB, 02:00pm-02:50pm Th, Cina 22; Lloyd, Robert Lee, 4 cr				
85220	009 LAB, 03:00pm-03:50pm Th, Cina 22; Lloyd, Robert Lee, 4 cr				
3061	Physiological Psychology (A-F only; prereq 4 cr Psy or instr consent)				
84826	001 LEC, 12:00pm-12:50pm MTWTh, BohH 108; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Lloyd, Robert Lee, 4 cr				
88446	350 INI; (Online INI - Students must register by 01/20/09 and complete all requirements by 05/08/09. No exceptions. Initial course information is available at http://www.d.umn.edu/goto/ini . Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Lloyd, Robert Lee, 4 cr				
3081	History and Systems of Psychology (A-F only; prereq 3 cr Psy)				
83640	001 LEC, 08:00am-09:15am TTh, BohH 108; Stuecher, Uwe Heinrich, 3 cr				
85912	002 LEC, 11:00am-11:50am MWF, BohH 346; Marsh, Karen Linda, 3 cr				
85742	090 LEC, 05:15pm-07:45pm W, BohH 108; 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Stuecher, Uwe Heinrich, 3 cr				
87188	500 LEC; (Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to https://www.umn.edu/initiate? and follow the directions. Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Kivi, Carol Susan, 3 cr				
3098	The Psychological Principles of Stress Management (A-F only)				
88950	001 LEC, 09:30am-10:45am TTh, BohH 108; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Dusek, Christine A, 3 cr				
3111	Theories of Personality (A-F only; prereq 3 cr Psy)				
87192	001 LEC, 03:30pm-04:45pm TTh, MonH 30; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Stuecher, Uwe Heinrich, 3 cr				
87860	002 LEC, 09:30am-10:45am TTh, BohH 346; Marsh, Karen Linda, 3 cr				
84738	500 LEC; (Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to https://www.umn.edu/initiate? and follow the directions. Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Miller, Kristelle, 3 cr				
90855	501 LEC; Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to https://www.umn.edu/initiate? and follow the directions.; Kivi, Carol Susan, 3 cr				
3121	Abnormal Psychology (A-F only; prereq 3 cr Psy)				
84352	001 LEC, 03:00pm-04:50pm MW, KPlz 312; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Marsh, Karen Linda, 4 cr				
85222	002 LEC, 09:00am-10:50am TTh, MonH 203; LaCaille PhD, Rick A, 4 cr				
86954	003 LEC, 01:00pm-02:50pm TTh, KPlz 312; LaCaille PhD, Rick A, 4 cr				
86716	090 LEC, 4 cr				
87226	350 INI; (Online INI-Students must register and begin the course by 01/20/09 and complete all requirements by 05/08/09. No exceptions. Initial course information is available at http://www.d.umn.edu/goto/ini . Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Miller, Kristelle, 4 cr				
3201	Social Psychology (A-F only; prereq 3 cr Psy)				
90856	001 LEC, 3 cr				
85498	002 LEC, 08:00am-09:15am TTh, MonH 206; Gordon, Randall A, 3 cr				
90857	500 LEC; (Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to https://www.umn.edu/initiate? and follow the directions. Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; LaCaille, Lara, 3 cr				
3211	Group Dynamics (A-F only; prereq 3 cr Psy)				
83792	001 LEC, 03:30pm-04:45pm TTh, MonH 206; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Butterfield, Brenda S, 3 cr				
3215	Topics in Human Sexuality (Credit will not be granted if credit has been received for: PSY 3216; A-F only; prereq 3 cr Psy)				
83848	001 LEC, 03:30pm-04:45pm TTh, Chem 200; Pedersen, Paula Jean, 3 cr				
90868	350 INI; Online INI - Students must begin the course by 01/20/09 and complete all requirements by 05/08/09. No exceptions. Students must go to http://www.d.umn.edu/goto/ini for initial course information. Click on "Getting Started After Registration" to begin. Open CE reserved seats will be available January 15, 2008.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Dusek, Christine A, 3 cr				
3371	Child and Adolescent Psychology (A-F only; prereq 1003)				
85500	001 LEC, 08:00am-09:15am TTh, BohH 346; Maas, Fay, 3 cr				
87202	500 LEC; (Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to https://www.umn.edu/initiate? and follow the directions. Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Kivi, Carol Susan, 3 cr				
3381	Adult Development and Aging (A-F only; prereq 2021 or instr consent)				
88084	001 LEC, 02:00pm-03:15pm TTh, BohH 104; Maddy, Jane Ellen, 3 cr				
87228	350 INI; (Online INI - Student must register by 01/20/09 and complete all requirements by 05/08/09. No exceptions. Initial course information is available at http://www.d.umn.edu/goto/ini . Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Durgunoglu, Aydin Yucesan, 3 cr				
3445	Transpersonal Psychology (A-F only; prereq 1003 or instr consent)				
85224	001 DIS, 10:00am-10:50am MWF, MonH 208; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; McClure, Bud A, 3 cr				
3520	Introduction to Industrial/Organizational Psychology (A-F only; prereq 3 cr psy or instr consent, credit will not be granted if credit received for 3701 and/or 3707)				
87230	350 INI; (Online INI - 15 week course. Student must register by 01/20/09 and complete all requirements by 05/08/09. No exceptions. Initial course information is available at http://www.d.umn.edu/goto/ini . Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Luong, Alexandra, 4 cr				

3524 Basic Helping Skills (A-F only)	3990 Special Topics: (Various Titles to be Assigned) (max crs 3; 3 repeats allowed; A-F only; prereq 3 cr Psy)	3997 Honors Project in Psychology (max crs 3; 3 repeats allowed; A-F only; prereq Psy major, instr consent, 3.00 GPA overall, 3.25 GPA in psy; meets HON req of Honors)
83920 001 LEC, 02:00pm-03:50pm MW, SpHC 212; Woolum, Sandra J, 4 cr	90870 001 LEC; Einat, Haim, 2 cr	87002 001 LEC; Woolum, Sandra J, 1-3 cr
85062 002 LEC, 03:00pm-04:50pm MW, SpHC 210; (Open CE Reserve seats will be available to UMD students 01/13/09); 3 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Dusek, Christine A, 4 cr	3991 Projects in Psychology (max crs 4; 4 repeats allowed; S-N only; prereq Psy major or minor, instructor consent)	87004 002 LEC; McClure, Bud A, 1-3 cr
88500 500 LEC; Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to https://www.umn.edu/initiate? and follow the directions. (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Kivi, Carol Susan, 4 cr	83990 001 IND; Woolum, Sandra J, 1-4 cr	87006 003 LEC; Dowell PhD, Kathy, 1-3 cr
3540 Psychology of Food Abuse (A-F only; prereq 3 cr Psy)	85630 002 IND; McClure, Bud A, 1-4 cr	87008 004 LEC; LaCaille PhD, Rick A, 1-3 cr
86958 001 LEC, 10:00am-10:50am MWF, BohH 346; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; LaCaille, Lara, 3 cr	85632 003 IND; Doane PhD, H Mitzi, 1-4 cr	87010 005 LEC; Doane PhD, H Mitzi, 1-3 cr
3601 Psychology of Personal Development (A-F only; prereq 3 cr Psy)	85634 004 IND; Durgunoglu, Aydin Yucesan, 1-4 cr	87012 006 LEC; Durgunoglu, Aydin Yucesan, 1-3 cr
83622 001 LEC, 01:00pm-01:50pm MWF, BohH 104; McClure, Bud A, 3 cr	85636 006 IND; Gordon, Randall A, 1-4 cr	87014 007 LEC; Gordon, Randall A, 1-3 cr
87864 002 LEC, 11:00am-11:50am MWF, BohH 104; McClure, Bud A, 3 cr	85638 007 IND; Grossman, Eugene Ernest, 1-4 cr	87016 008 LEC; Grossman, Eugene Ernest, 1-3 cr
87232 350 INI; (Online INI - Student must register by 01/22/08 and complete all requirements by 05/09/08. No exceptions. Initial course information is available at http://www.d.umn.edu/goto/ini . Students must click on "Getting Started After Registration" to begin. CE reserved seats will be available January 15, 2008); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Acheson-Lee, Joie, 3 cr	85640 009 IND; Dowell PhD, Kathy, 1-4 cr	87018 009 LEC; Lloyd, Robert Lee, 1-3 cr
3611 Learning and Behavior (A-F only; prereq 3 cr Psy)	85642 010 IND; Lloyd, Robert Lee, 1-4 cr	87020 010 LEC; Maas, Fay, 1-3 cr
83426 002 LEC, 12:00pm-01:50pm TTh, BohH 346; Stuecher, Uwe Heinrich, 4 cr	85644 011 IND; LaCaille PhD, Rick A, 1-4 cr	87022 011 LEC; Miller, Kristelle, 1-3 cr
88490 350 INI; (Online INI - Students must begin the course by 01/20/09 and complete all requirements by 05/08/09. No exceptions. Students must go to http://www.d.umn.edu/goto/ini for initial course information. Click on "Getting Started After Registration" to begin. Open CE reserved seats will be available January 15, 2008.); 4 cr	85646 012 IND; Luong, Alexandra, 1-4 cr	87024 012 LEC; Stuecher, Uwe Heinrich, 1-3 cr
87866 500 INI; (Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to https://www.umn.edu/initiate? and follow the directions. Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Grossman, Eugene Ernest, 4 cr	85784 013 IND; Maas, Fay, 1-4 cr	87026 013 LEC; Luong, Alexandra, 1-3 cr
3621 Cognition (A-F only; prereq 3 cr Psy)	85648 014 IND; Miller, Kristelle, 1-4 cr	87028 014 LEC; Pedersen, Paula Jean, 1-3 cr
84744 001 LEC, 12:00pm-01:50pm TTh, MonH 206; Maas, Fay, 4 cr	85650 015 IND; Pedersen, Paula Jean, 1-4 cr	87030 015 LEC; Apostal, Kathryn J, 1-3 cr
3701 Personnel Psychology (A-F only; prereq 3 cr Psy or instr consent)	85652 016 IND; Stuecher, Uwe Heinrich, 1-4 cr	87032 016 LEC; Butterfield, Brenda S, 1-3 cr
86614 001 LEC, 02:00pm-03:15pm TTh, BohH 346; Slowiak, Julie M, 3 cr	86096 017 IND, instruction mode: Term Based Dist Educ Correspon; Apostal, Kathryn J, 1-4 cr	87034 017 LEC; Kivi, Carol Susan, 1-3 cr
3707 Organizational Psychology (A-F only; prereq 3 cr Psy or instr consent)	86316 018 IND; Butterfield, Brenda S, 1-4 cr	87036 018 LEC; LaCaille, Lara, 1-4 cr
86956 001 LEC, 05:00pm-06:15pm MW, BohH 346; (Open CE Reserve seats will be available to UMD students 01/13/09); 1 seat reserved for Continuing Education - EXPIRES 13-JAN-2009; Slowiak, Julie M, 3 cr	86318 019 IND; Kivi, Carol Susan, 1-4 cr	87038 019 LEC; Marsh, Karen Linda, 1-3 cr
	86320 020 IND; LaCaille, Lara, 1-4 cr	87040 020 LEC; Taylor, John Powell, 1-3 cr
	87262 021 IND; Marsh, Karen Linda, 1-4 cr	91202 021 LEC; Dusek, Christine A, 1-3 cr
	87264 022 IND; Taylor, John Powell, 1-4 cr	92318 022 LEC; Slowiak, Julie M, 1-3 cr
	91199 023 IND; Dusek, Christine A, 1-4 cr	3998 Honors Research in Psychology (max crs 3; 3 repeats allowed; A-F only; prereq Psy major, instr consent, 3.00 GPA overall, 3.25 GPA in psy; meets HON req of Honors)
	92320 024 IND; Slowiak, Julie M, 1-4 cr	84740 001 IND; Woolum, Sandra J, 1-3 cr
	3994 Directed Research in Psychology (max crs 4; 4 repeats allowed; S-N only; prereq Psy major or minor, instructor consent)	85692 002 IND; McClure, Bud A, 1-3 cr
	84646 001 DRS; Woolum, Sandra J, 1-4 cr	85694 003 IND; Doane PhD, H Mitzi, 1-3 cr
	85786 002 DRS; McClure, Bud A, 1-4 cr	85696 004 IND; Durgunoglu, Aydin Yucesan, 1-3 cr
	85654 003 DRS; Doane PhD, H Mitzi, 1-4 cr	85698 006 IND; Gordon, Randall A, 1-3 cr
	85656 004 DRS; Durgunoglu, Aydin Yucesan, 1-4 cr	85700 007 IND; Grossman, Eugene Ernest, 1-3 cr
	85658 006 DRS; Gordon, Randall A, 1-4 cr	85702 009 IND; Dowell PhD, Kathy, 1-3 cr
	85660 007 DRS; Grossman, Eugene Ernest, 1-4 cr	85704 010 IND; Lloyd, Robert Lee, 1-3 cr
	85662 009 DRS; Dowell PhD, Kathy, 1-4 cr	85706 011 IND; LaCaille PhD, Rick A, 1-3 cr
	85664 010 DRS; Lloyd, Robert Lee, 1-4 cr	85800 012 IND; Luong, Alexandra, 1-3 cr
	85788 011 DRS; LaCaille PhD, Rick A, 1-4 cr	85802 013 IND; Maas, Fay, 1-3 cr
	85666 012 DRS; Luong, Alexandra, 1-4 cr	85708 014 IND; Miller, Kristelle, 1-3 cr
	85668 013 DRS; Maas, Fay, 1-4 cr	85710 015 IND; Pedersen, Paula Jean, 1-3 cr
	85790 014 DRS; Miller, Kristelle, 1-4 cr	85804 016 IND; Stuecher, Uwe Heinrich, 1-3 cr
	85792 015 DRS; Pedersen, Paula Jean, 1-4 cr	86100 017 IND, instruction mode: Term Based Dist Educ Correspon; Apostal, Kathryn J, 1-3 cr
	85670 016 DRS; Stuecher, Uwe Heinrich, 1-4 cr	86334 018 IND; Butterfield, Brenda S, 1-3 cr
	86098 017 DRS, instruction mode: Term Based Dist Educ Correspon; Apostal, Kathryn J, 1-4 cr	86336 019 IND; Kivi, Carol Susan, 1-3 cr
	86322 018 DRS; Butterfield, Brenda S, 1-4 cr	86338 020 IND; LaCaille, Lara, 1-3 cr
	86324 019 DRS; Kivi, Carol Susan, 1-4 cr	87274 021 IND; Taylor, John Powell, 1-3 cr
	86326 020 DRS; LaCaille, Lara, 1-4 cr	91203 022 IND; Dusek, Christine A, 1-3 cr
	87268 021 DRS; Marsh, Karen Linda, 1-4 cr	92319 023 IND; Slowiak, Julie M, 1-3 cr
	91200 022 DRS; Taylor, John Powell, 1-4 cr	3999 Directed Instruction (max crs 4; 4 repeats allowed; prereq Instructor consent)
	92321 023 DRS; Dusek, Christine A, 1-4 cr	86232 001 LEC; Woolum, Sandra J, 1-4 cr
	92321 024 DRS; Slowiak, Julie M, 1-4 cr	86234 002 LEC; McClure, Bud A, 1-4 cr
	3995 Research in Psychology (max crs 4; 4 repeats allowed; A-F only; prereq Psy major or minor, instructor consent)	86236 003 LEC; Doane PhD, H Mitzi, 1-4 cr
	83992 001 IND; Woolum, Sandra J, 1-4 cr	86238 004 LEC; Durgunoglu, Aydin Yucesan, 1-4 cr
	85794 002 IND; McClure, Bud A, 1-4 cr	86242 006 LEC; Gordon, Randall A, 1-4 cr
	85796 003 IND; Doane PhD, H Mitzi, 1-4 cr	86244 007 LEC; Grossman, Eugene Ernest, 1-4 cr
	85672 004 IND; Durgunoglu, Aydin Yucesan, 1-4 cr	86248 009 LEC; Dowell PhD, Kathy, 1-4 cr
	85674 006 IND; Gordon, Randall A, 1-4 cr	86250 010 LEC; Lloyd, Robert Lee, 1-4 cr
	85676 007 IND; Grossman, Eugene Ernest, 1-4 cr	86252 011 LEC; LaCaille PhD, Rick A, 1-4 cr
	85678 009 IND; Dowell PhD, Kathy, 1-4 cr	86254 012 LEC; Luong, Alexandra, 1-4 cr
	85680 010 IND; Lloyd, Robert Lee, 1-4 cr	86256 013 LEC; Maas, Fay, 1-4 cr
	85682 011 IND; LaCaille PhD, Rick A, 1-4 cr	86258 014 LEC; Miller, Kristelle, 1-4 cr
	85684 012 IND; Luong, Alexandra, 1-4 cr	86260 015 LEC; Pedersen, Paula Jean, 1-4 cr
	85686 013 IND; Maas, Fay, 1-4 cr	86262 016 LEC; Stuecher, Uwe Heinrich, 1-4 cr
	85798 014 IND; Miller, Kristelle, 1-4 cr	86264 017 LEC; Apostal, Kathryn J, 1-4 cr
	85688 015 IND; Pedersen, Paula Jean, 1-4 cr	86340 018 LEC; Butterfield, Brenda S, 1-4 cr
	85690 016 IND; Stuecher, Uwe Heinrich, 1-4 cr	86342 019 LEC; Kivi, Carol Susan, 1-4 cr
	86102 017 IND; Apostal, Kathryn J, 1-4 cr	86344 020 LEC; LaCaille, Lara, 1-4 cr
	86328 018 IND; Butterfield, Brenda S, 1-4 cr	87276 021 LEC; Taylor, John Powell, 1-4 cr
	86330 019 IND; Kivi, Carol Susan, 1-4 cr	91204 022 LEC; Dusek, Christine A, 1-4 cr
	86332 020 IND; LaCaille, Lara, 1-4 cr	92286 023 LEC; Acheson-Lee, Joie, 1-4 cr
	87270 021 IND; Marsh, Karen Linda, 1-4 cr	92287 024 LEC; Slowiak, Julie M, 1-4 cr
	87272 022 IND; Taylor, John Powell, 1-4 cr	4021 Research Methods I (A-F only; prereq 3020, instr consent; no Grad School cr)
	91201 023 IND; Dusek, Christine A, 1-4 cr	87564 500 LEC; Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to https://www.umn.edu/initiate? and follow the directions.; Dowell PhD, Kathy, 4 cr
	92322 024 IND; Slowiak, Julie M, 1-4 cr	
	3996 Pre-Professional Field Placement (max crs 4; 4 repeats allowed; S-N; prereq 3010, Concurrent registration is required (or allowed) in 3011, instr consent)	
	88482 001 FWK; LaCaille, Lara, 1-4 cr	
	91307 002 FWK; Woolum, Sandra J, 1-4 cr	

- 4023 Research Methods III**
(A-F only; prereq 4022, instr consent; no Grad School cr)
- 87878 500 LEC; Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions.; Dowell PhD, Kathy, 3 cr
- 4500 Health Psychology**
(A-F only; prereq 1003, 12 sem cr in psy or instr consent)
- 87876 500 INI; Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions.; LaCaille PhD, Rick A, 3 cr
- 5123 Psychology of Addictive Behaviors**
(A-F only; prereq Sr or grad student or instr consent)
- 88812 500 INI; Online individualized instruction - students must be registered and begin the course at the start of the semester, which is January 20, 2009, and complete all requirements by May 8 2009. No exceptions. Initial course information will be sent to you via your UMD e-mail account. To activate your account go to <https://www.umn.edu/initiate?> and follow the directions.; Das, Ajit K, 3 cr

RECREATION (Rec)**College of Education & Human Service Professions**

- 1202 Outdoor Skills II**
(A-F only; meets LE req of PE)
- 83826 001 PHY, 02:00pm-04:50pm T, SpHC 9; Off campus field trip: 2/14-15 and 4/25-27.; Zmudy, Mark Howard, 2 cr
- 1204 Outdoor Skills II**
(A-F only; prereq Pre rec or rec major or minor or instr consent)
- 83988 001 PHY, 02:00pm-04:50pm Th, SpHC 9; Off campus field trip: 2/14-15 and 4/25-27.; Beery, Thomas Harold, 2 cr
- 2300 Recreation Programming**
(A-F only; prereq 1000 or instr consent)
- 83830 001 LEC, 09:00am-10:50am MWF, SpHC 9A; Beery, Thomas Harold, 3 cr
- 3327 Large Event Management**
(A-F only; prereq 2300 or instr consent)
- 86994 001 LEC, 10:00am-10:50am MWF, SpHC 9; Zmudy, Mark Howard, 3 cr
- 4320 GIS Management for Recreation Professionals**
(prereq No Grad School credit)
- 85242 001 LEC, 05:30pm-08:30pm Th, H 470; Gilbertson, Kenneth Lloyd, 3 cr
- 4991 Independent Study**
(max crs 4; 4 repeats allowed; A-F only; prereq instr consent; no Grad School credit)
- 83838 001 IND; Beery, Thomas Harold, 1-4 cr
- 4992 Readings in Recreation**
(max crs 4; 4 repeats allowed; A-F only; prereq instr consent; no Grad School credit)
- 83840 001 DRD; Beery, Thomas Harold, 1-4 cr
- 4997 Recreation Practicum**
(S-N; prereq 1000, rec minor; no Grad School credit)
- 83836 001 PRC; Beery, Thomas Harold, 3 cr

**RUSSIAN (Russ)
College of Liberal Arts**

- 1102 Beginning Russian II**
(A-F only; prereq 1101 or equiv or instr consent; meets LE req of LE CAT3)
- 82554 090 LEC, 06:00pm-07:50pm MTh, H 464; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Morgan, Thomas W, 4 cr

**SAFETY (SAFE)
Swenson College of Science & Engineering**

- 6012 Risk Management and Workers' Compensation**
(A-F only; prereq MEHS student or B.S.I.E. candidate and dept consent, or instr consent)
- 83762 001 LEC, 02:00pm-04:00pm M, VKH 201; Schedule in Engr 290, VKH 201; Loushine, Todd William, 2 cr
- 6051 Construction Safety**
(A-F only; prereq MEHS student or BSIE candidate and dept consent or BSME candidate and dept consent or instr consent)
- 83778 001 LEC, 08:15am-09:30am TTh, VKH 201; Burski, Harvey E, 3 cr
- 6102 Advanced Industrial Hygiene and Health Physics**
(A-F only; prereq 6101 or dept consent; can apply credit to MEHS program only)
- 83782 001 LEC, 06:00pm-07:50pm T, VKH 201; (+ lab arr); Roseth, Wade Edward, 2 cr
- 6201 Fire Prevention and Emergency Preparedness**
(A-F only; prereq MEHS student or dept consent; can apply credit to MEHS program only)
- 83780 001 LEC, 11:00am-12:50pm F, Engr 290; Abou, Seraphin Chally, 2 cr
- 6211 Transportation Safety**
(A-F only; prereq MEHS student or B.S.I.E. candidate and dept consent, or B.S.M.E. candidate and dept consent, or instr consent)
- 86416 001 LEC, 02:00pm-03:50pm W, VKH 201; Stauber, James D, 2 cr
- 6291 Independent Study in Industrial Safety**
(max crs 3; S-N only; prereq MEHS student or dept consent; can apply credit to MEHS program only)
- 83786 001 IND; , 1-3 cr
- 6302 Occupational Ergonomics and Injury Management**
(A-F only; prereq MEHS student or dept consent; can apply credit to MEHS program only)
- 83766 001 LEC, 10:00am-10:50am MWF, VKH 201; (+ lab arr) VKH 201, 207; Feyen, Robert G, 3 cr
- 6821 Organization and Administration of Safety Programs**
(A-F only; prereq MEHS student or dept consent; can apply credit to MEHS program only)
- 83774 001 LEC, 08:00am-09:50am W, VKH 201; Loushine, Todd William, 2 cr

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

- 1210 Global Issues**
(Credit will not be granted if credit has been received for: SW 1211, SW 1212; A-F only; prereq .; meets LEIP req of LEIP CAT08)
- 88468 001 LEC, 02:00pm-03:15pm TTh, Chem 150; (CE Reserve seats will be available to UMD students on Jan 15, 2008.); Falk, Dennis R, 3 cr
- 6122 Global Issues Honors Seminar**
(Credit will not be granted if credit has been received for: SW 1210, SW 1211; A-F only; prereq Honors student; meets HON req of Honors; meets LEIP req of LEIP CAT08)
- 86628 001 SEM, 09:30am-10:45am TTh, BohH 112; Falk, Dennis R, 3 cr
- 5091 Independent Study**
(max crs 8; 8 repeats allowed; prereq instr consent)
- 82786 001 DST; Bye PhD, Lynn E., 1-4 cr
84520 002 DST; Campbell, Evie, 1-4 cr
85884 003 DST; Day, Priscilla A, 1-4 cr
85886 004 DST; Falk, Dennis R, 1-4 cr
85888 006 DST; Heltzer, Kathleen Victoria, 1-4 cr
85600 007 DST; Raschick, R Michael, 1-4 cr
86636 008 DST; Shepard, Melanie F, 1-4 cr
91283 009 DST; Tellett, Anne Elizabeth, 1-4 cr
91284 010 DST, 1-4 cr
- 5095 Special Topics: (Various Titles to be Assigned)**
(max crs 12; 12 repeats allowed)
- 91011 001 LEC, 09:00am-11:50am T, BohH 343; Heltzer, Kathleen Victoria, 1-4 cr
- 5096 Special Project**
(max crs 8; 8 repeats allowed; S-N only; prereq Instructor consent)
- 82788 001 FWK; Bye PhD, Lynn E., 1-4 cr
84984 002 FWK; Campbell, Evie, 1-4 cr
85890 003 FWK; Day, Priscilla A, 1-4 cr
86638 004 FWK; Falk, Dennis R, 1-4 cr
85892 006 FWK; Heltzer, Kathleen Victoria, 1-4 cr
87156 007 FWK; Raschick, R Michael, 1-4 cr
87158 008 FWK; Shepard, Melanie F, 1-4 cr
91285 009 FWK; Tellett, Anne Elizabeth, 1-4 cr
91286 010 FWK, 1-4 cr
- 5111 Grant Writing in the Human Services**
(max crs 2; A-F; prereq Jr or sr or Grad or instr consent)
- 91259 001 LEC, 06:00pm-07:50pm Th, BohH 346; Tellett, Anne Elizabeth, 1-2 cr
- 5120 Cross-Cultural Exploration Through Learning Circles**
(S-N; prereq Admission into MSW, 8100 or instr consent)
- 88944 001 DIS; Day, Priscilla A, 1 cr
91002 002 DIS; Tellett, Anne Elizabeth, 1 cr
- 5235 American Indians and Social Policy**
(A-F; prereq 5201 or advanced standing MSW program or instr consent)
- 86640 001 LEC, 12:00pm-01:50pm T, BohH 343; Campbell, Evie, 2 cr
- 5271 Women and Social Policy**
(A-F; prereq Jr or sr or Grad or instr consent)
- 91108 001 LEC, 09:00am-10:50am Th, BohH 343; Bye PhD, Lynn E., 2 cr
- 5280 Addressing Alcohol Related Problems in Social Work Practice**
(max crs 2; prereq Jr or Sr or Grad or instr consent)
- 92819 350 IND; (Course is delivered online. For course information, please go to <http://www.d.umn.edu/~jgarriso/SW%205280/index.html>); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Garrison, Johanna Mary, 1-2 cr
- 8031 Advanced Practice in Child Welfare**
(max crs 3; A-F; prereq 5032, 8441)
- 82790 001 LEC, 06:00pm-08:50pm Th, BohH 112; Snyder, Mark Joseph, 2-3 cr
- 8100 Social Work with Diverse Populations**
(A-F; prereq MSW students or instr consent)
- 86642 001 LEC, 04:30pm-07:20pm T, BohH 343; Haynes, Janet May, 3 cr
87590 002 LEC, 11:00am-01:50pm Th, Library 409; Haynes, Janet May, 3 cr
- 8101 Introduction to Research**
(A-F; prereq SW Grad School student or instr consent)
- 82758 001 LEC, 02:00pm-03:50pm T, BohH 343; Shepard, Melanie F, 2 cr
- 8104 Project Seminar II**
(S-N; prereq 8103)
- 91003 001 SEM; Bye PhD, Lynn E., 1 cr
91004 002 SEM; Campbell, Evie, 1 cr

91005	003 SEM; Day, Priscilla A, 1 cr	1400	Alcohol and College Life (A-F only; prereq Freshman status)	91445	002 LEC, 09:30am-10:45am TTh, Cina 214; Walls, Melissa Lynn, 3 cr; T: Sociology of Mental Health and Illness
91006	004 SEM; Falk, Dennis R, 1 cr	86856	500 INI; Hyman, Randy Emerson, 1 cr	3701	Social Psychology (A-F only; prereq Min 30 cr or instr consent)
91007	005 SEM; Heltzer, Kathleen Victoria, 1 cr	2111	Sociological Theory (A-F only; prereq 1101, 15 cr)	84988	001 LEC, 10:00am-10:50am MWF, Cina 224; Wilson, Janelle L, 3 cr
91008	006 SEM; Tellett, Anne Elizabeth, 1 cr	82626	001 LEC, 11:00am-12:45pm MW, Cina 224; Mork, Bruce, 4 cr	3821	Sociology of Community (A-F only; prereq 2111, 30 cr or instr consent)
91009	007 SEM, 1 cr	87960	090 LEC, 05:00pm-08:50pm M, Cina 224; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Hamlin, John E, 4 cr	91127	001 LEC, 02:00pm-03:15pm MW, Cina 224; Martin, Daniel D., 3 cr
91010	008 SEM, 1 cr	2155	Introduction to Research Methods and Analysis (A-F only; prereq [1101 or 1301], min 15 cr, [soc major or crim major or soc minor])	3945	Social Stratification (A-F only; prereq 1101 or 1301 or CSt 1101 or Anth 1604, min 30 cr or instr consent)
8112	Organization and Community Practice I (A-F; prereq 8111)	86516	001 LEC, 09:00am-09:50am MTWTh, Cina 106; Zafft, Kathryn Marie, 4 cr	86110	001 LEC, 09:30am-10:45am TTh, Cina 202; Grana, Sheryl Judith, 3 cr
82778	001 LEC, 02:00pm-04:50pm Th, Library 409; Shepard, Melanie F, 3 cr	86518	002 LEC, 12:00pm-12:50pm MTWTh, Cina 202; Zafft, Kathryn Marie, 4 cr	4333	Legal Research (A-F only; prereq Min 60 cr or Grad School student and 3324 or POL 3150 or POL 3151 or BLAW 2101)
8332	Advanced Practice in Administration and Community Development (max crs 3; A-F; prereq 8331)	2311	Criminological Theory (A-F only; prereq 1301, 15 cr.)	87108	090 LEC, 06:00pm-08:50pm M, Cina 106; (Open CE reserved seats will be available to UMD students on January 15, 2008.) This course requires that students have a laptop that they can bring and use in class.; 4 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Friedman, Fred T, 3 cr
87594	001 LEC, 02:00pm-04:50pm T, Library 409; Tellett, Anne Elizabeth, 2-3 cr	85026	001 LEC, 11:00am-12:45pm TTh, Cina 224; Arthur, John A, 4 cr	4340	Race, Crime and Justice (Credit will not be granted if credit has been received for: SOC 3326, SOC 4323; A-F Only; prereq 1101 or 1301 or Anth 1604 or CSt 1101, 30 cr or Grad School student or instr consent)
8333	FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)	3155	Quantitative Research Methods and Analysis (A-F only; prereq 2155, [crim major or soc major], min 30 cr)	91128	090 LEC, 05:00pm-07:40pm W, Cina 224; 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Storm, Kimberly Ann, 3 cr
84986	001 DRS, 1 cr	86520	001 LEC, 07:45am-08:50am MWF, H 458; Mork, Bruce, 4 cr	4382	Victimology (A-F only; prereq 1101 or 1301, 60 cr; no Grad School credit)
8443	Advanced Practice in Mental Health (max crs 3; A-F; prereq 8441)	86522	002 LEC, 12:00pm-01:45pm TTh, H 458; Maahs, Jeffrey Robert, 4 cr	91180	001 LEC, 03:30pm-04:45pm MW, Cina 224; Storm, Kimberly Ann, 3 cr
86652	001 LEC, 01:00pm-03:50pm T, DAdB 16A; Bye PhD, Lynn E., 2-3 cr	86524	090 LEC, 06:00pm-09:30pm T, H 458; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Janssen, Susan L, 4 cr	4384	Child Abuse and Child Protection in Minnesota (A-F only; prereq 90 cr or Grad Student or instr consent)
8771	Health in American Indian Communities (A-F; prereq 5235)	3322	Law and Society (A-F only; prereq 30 cr or instr consent)	84990	090 LEC, 06:00pm-08:50pm Th, Cina 224; (Open CE reserved seats will be available to UMD students on January 9, 2007.); 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Wolf JD, Dale A, 3 cr
82794	001 LEC, 04:00pm-05:50pm T, BohH 112; Campbell, Evie, 2 cr	91122	090 LEC, 05:00pm-07:40pm T, Cina 202; 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Arthur, John A, 3 cr	4587	Internship Preparation (A-F only; prereq (1101, 1301, 2311, 2155) or (1101, 2111, 2155), soc or crim major, min 60 cr, no Grad School cr)
8801	Field Placement I (max crs 6; S-N; prereq 8111, 8112; SW Grad student, instr consent)	3328	Delinquency and Juvenile Justice (A-F only; prereq 30 cr or instr consent)	83914	001 IEX, 02:00pm-02:50pm Th, Cina 202; Weidner, Robert R, 1 cr
82762	001 IEX, 12:00pm-01:30pm Th, BohH 343; Heltzer, Kathleen Victoria, 3-6 cr	85194	001 LEC, 04:00pm-05:15pm TTh, Cina 224; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Hesselton, Denise Suzette, 3 cr	4597	Internship (max crs 9; S-N only; prereq instr consent; no Grad School cr)
82764	002 IEX, 06:00pm-07:30pm Th, BohH 343; Shepard, Melanie F, 3-6 cr	3336	Crime and the Media (A-F only; prereq Min 30 cr or instr consent)	82628	001 IEX, 03:30pm-04:45pm Th, Engr 290, 01/22/09-01/22/09, 03:30pm-04:45pm Th, Engr 290, 02/12/09-02/12/09, 03:30pm-04:45pm Th, Engr 290, 04/23/09-04/23/09; (Special term: Jan 22, Feb 12, and Apr 23); Weidner, Robert R, 1-9 cr
88470	003 IEX, 06:00pm-07:30pm Th, KPlz 385; Campbell, Evie, 3-6 cr	91123	001 LEC, 08:00am-09:15am TTh, Cina 224; Weidner, Robert R, 3 cr	4911	Alcoholism and other Addictions (A-F only; prereq 90 cr or Grad Student or instr consent)
8802	Field Placement II (max crs 8; S-N; prereq Concurrent registration is required (or allowed) in 8031 or 8332 or 8443 or 8544, SW Grad Student and instr consent)	3344	Law Enforcement and Society (A-F only; prereq 30 cr or instr consent)	91130	090 LEC, 06:00pm-08:40pm Th, Cina 202; 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; 3 cr
85602	001 PRC, 10:00am-11:30am T, Chem 153; Haynes, Janet May, 4-8 cr	91124	090 LEC, 06:00pm-08:40pm T, Cina 224; 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Fleischman, William A., 3 cr	4925	Sociology of Rape (A-F only; prereq 1101 or 1301 or CSt 1101 or Anth 1604 or WS 1000, 30 cr, or instr consent)
82776	002 PRC, 10:30am-12:00pm Th, Chem 153; Tellett, Anne Elizabeth, 4-8 cr	3361	Correctional Continuum (A-F only; prereq 1101, Soph or higher or instr consent)	91131	001 LEC, 05:30pm-06:50pm TTh, KPlz 312; Hesselton, Denise Suzette, 3 cr
88472	003 PRC, 06:00pm-07:30pm T, Library 409; Heltzer, Kathleen Victoria, 4-8 cr	87102	001 LEC, 01:00pm-02:15pm TTh, Cina 224; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Hesselton, Denise Suzette, 3 cr	4935	Peace, Conflict, and Violence (A-F only; prereq 60 cr or Grad Student or instr consent)
8881	Dynamics of American Indian Families (A-F; prereq 5235 or instr consent)	3369	Correctional Assessment and Intervention (Credit will not be granted if credit has been received for: SOC 3365; A-F only; prereq Min 30 cr or instr consent)	87980	001 LEC, 02:30pm-03:45pm TTh, Cina 224; Gaarder, Emily, 3 cr
82796	001 LEC, 12:00pm-01:50pm Th, BohH 112; Day, John J, 2 cr	86548	001 LEC, 05:00pm-07:50pm W, KPlz 312; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Maahs, Jeffrey Robert, 3 cr		
		3375	Restorative Justice (A-F; prereq Min 60 cr or instr consent)		
		88590	001 LEC, 09:30am-10:45am TTh, LSBE 118; Gaarder, Emily, 3 cr		
		3595	Special Topics: (Various Titles to be Assigned) (max crs 6; A-F only; prereq Min 30 cr or instr consent)		
		91318	001 LEC, 01:00pm-01:50pm MWF, Cina 224; Mork, Bruce, 3 cr; T: Sociology of Religion		

SOCIOLOGY (Soc) College of Liberal Arts

1101	Introduction to Sociology (A-F only; meets LECD req of LECD CAT06)				
82560	001 LEC, 10:00am-10:50am MTWTh, BohH 90; Janssen, Susan L, 4 cr				
82562	090 LEC, 06:00pm-09:30pm W, Cina 202; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Gittings, Ronald F, 4 cr				
1301	Introduction to Criminology (A-F only; meets LE req of LE CAT8)				
85878	001 LEC, 12:00pm-12:50pm MTWTh, BohH 90; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Storm, Kimberly Ann, 4 cr				
91105	002 LEC, 03:00pm-03:50pm MTWTh, H 464, 4 cr				
91106	090 LEC, 05:00pm-08:30pm M, Cina 202; 6 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Storm, Kimberly Ann, 4 cr				
88494	350 INI; (Online INI - 16 week course. Initial course information is available at http://www.d.umn.edu/goto/ini . Click on "Getting Started After Registration" to begin. Open CE reserved seats will be available January 15, 2008.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Mork, Bruce, 4 cr				

- 4949 Race and Ethnic Relations**
(A-F only; prereq 1101 or 1301 or CSt 1101 or Anth 1604, 30 cr, or instr consent)
- 91132 001 LEC, 08:00am-09:15am TTh, Cina 202; Grana, Sheryl Judith, 3 cr
- 4981 Social Movements, Protest and Change**
(A-F only; prereq 45 cr or instr consent)
- 87986 001 LEC, 11:00am-12:15pm MW, Cina 214; Martin, Daniel D., 3 cr
- 4982 Political Sociology and the Global Economy**
(A-F only; prereq 60 cr or instr consent or Grad School student)
- 87110 001 LEC, 08:00am-09:50am MW, Cina 224; Hamlin, John E, 4 cr
- 4991 Independent Study in Sociology**
(max crs 36; 6 repeats allowed; A-F only; prereq instr consent)
- 83916 001 IND; Wilson, Janelle L, 1-6 cr
- 4997 Teaching Assistantship in Sociology/ Criminology**
(max crs 3; 3 repeats allowed; A-F; prereq 60 cr, instr consent ; no Grad School cr)
- 85076 001 LEC; Storm, Kimberly Ann, 1-3 cr
- 4999 Honors Project**
(max crs 8; A-F only; prereq 90 cr, approval by dept honors program director; no Grad School credit; meets HON req of Honors)
- 83918 001 DRS; Wilson, Janelle L, 1-4 cr

SPANISH (Span) College of Liberal Arts

- 1102 Beginning Spanish II**
(A-F only; prereq 1-2 yrs high school Span or 1101 or instr consent; meets LE req of LE CAT3)
- 82538 001 LEC, 02:00pm-02:50pm MTThF, H 490; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Hellie, Irene Edith, 4 cr
- 1202 Intermediate Spanish II**
(A-F only; prereq 4 yrs high school Span or 1201 or instr consent; meets LEIP req of LEIP CAT03)
- 82542 001 LEC, 09:00am-09:50am MTThF, Engr 177; Hellie, Irene Edith, 4 cr
- 82544 002 LEC, 11:00am-11:50am MTThF, H 464; Hellie, Irene Edith, 4 cr
- 82546 003 LEC, 01:00pm-01:50pm MTThF, H 490; Snustad, Andrew P, 4 cr
- 85478 004 LEC, 02:00pm-02:50pm MTThF, Engr 177; Snustad, Andrew P, 4 cr
- 3042 Hispanic American Civilization and Culture**
(A-F only; prereq 2301 with C or better or instr consent ; offered alt yrs)
- 87750 001 LEC, 10:00am-10:50am MTThF, H 490; Snustad, Andrew P, 4 cr
- 3044 Spanish Civilization and Culture**
(A-F only; prereq 2301 with C or better or instr consent ; offered alt yrs)
- 85196 001 LEC, 11:00am-11:50am MTThF, H 490; Tobin Stanley, Maureen, 4 cr
- 90456 002 LEC, 02:00pm-02:50pm MTThF, ABAH 225; Caceres Garcia, J, 4 cr
- 4027 Modern Spanish Literature and Culture**
(A-F only; prereq 2301 with C or better or instr consent ; no Grad School credit)
- 90457 001 LEC, 08:00am-09:50am TTh, H 490; Caceres Garcia, J, 4 cr
- 4090 Aspects of the Hispanic World**
(A-F only; prereq 2301 with C or better or instr consent ; no Grad School credit)
- 90458 001 LEC, 08:00am-09:50am MW, H 490; Tobin Stanley, Maureen, 4 cr
- 4091 Independent Study**
(max crs 8; 8 repeats allowed; A-F only; prereq 2301 with C or better or instr consent ; no Grad School credit)
- 87746 001 IND, 1-4 cr

SPECIAL EDUCATION (SpEd) College of Education & Human Service Professions

- 1357 Individuals with Disabilities in Society**
(A-F only; meets LECD req of LECD CAT08)
- 83746 001 LEC, 02:00pm-03:15pm TTh, MonH 203; , 3 cr
- 3103 Infants and Toddlers with Special Needs**
(Credit will not be granted if credit has been received for: SPED 5103; A-F only; prereq UECh major or instr consent)
- 87548 001 LEC, 01:00pm-03:50pm W, Chem 251; (meets with SpEd 5103); Meets with: 91221 SPED 5103; Marchel, Mary A, 4 cr
- 3310 Introduction to Special Education for Elementary Education**
(A-F only; prereq EIED major)
- 85558 001 LEC, 01:00pm-01:50pm T, MonH 108; Nierengarten EDD, Gerry, 1 cr
- 3415 Special Education in the Secondary School**
(A-F)
- 92584 001 LEC, 08:00am-08:50am TTh, MonH 203; Additional on-line hours required; Hughes, Trudie Ann, 3 cr
- 92585 002 LEC, 01:00pm-01:50pm TTh, BohH 104; Additional on-line hours required; Hughes, Trudie Ann, 3 cr
- 4204 Assessment for Children and Youth with Disabilities**
(Credit will not be granted if credit has been received for: SPED 5204; A-F only; prereq 45 cr, postbac undergrad or sped minor, no Grad School cr)
- 87060 001 LEC, 05:00pm-07:40pm M, MonH 121; (meets with SpEd 5204); Meets with: 87062 SPED 5204; , 4 cr
- 4270 Methods for Teaching Children and Youth with Autism Spectrum Disorders**
(Credit will not be granted if credit has been received for: SPED 5270; A-F only; prereq 4250 or 5250 or instr consent , no Grad School cr)
- 88586 350 LEC; (Offered concurrently with SPED 5270 - Prereq SPED 4250/5250); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 88588 SPED 5270; Ferguson, Peg, 4 cr
- 4310 Adapting for Diverse Learners in General Education Settings**
(A-F only; prereq Credit will not be granted if credit has been received for: [5310], EIED or EdSe major or instr consent)
- 85236 001 LEC, 10:00am-11:50am TTh, MonH 208; Nierengarten EDD, Gerry, 4 cr
- 85238 002 LEC, 08:00am-09:50am TTh, MonH 208; Nierengarten EDD, Gerry, 4 cr
- 4382 Advanced Theory and Practice in Emotional, Behavioral Disorders**
(Credit will not be granted if credit has been received for: SPED 5382; A-F only; prereq 4433, 4381, postbac or instr consent , no Grad School cr)
- 91219 001 LEC, 05:00pm-07:40pm Th, MonH 121; (meets with SpEd 5382); Meets with: 91220 SPED 5382; , 4 cr
- 4433 Foundations in Special Education**
(Credit will not be granted if credit has been received for: SPED 5433; A-F only; prereq Min 45 cr, postbac grad or sped minor, no Grad School cr)
- 88492 350 INI; (Online INI - Students must complete all course requirements, regardless of start date, by 05/09/08. No exceptions. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Click on "Getting Started After Registration" to begin. Open CE reserved seats will be available January 15, 2008.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Nierengarten EDD, Gerry, 4 cr

- 4435 Parent and Professional Communication and Collaboration**
(Credit will not be granted if credit has been received for: SPED 5435; A-F only; prereq 4433, 45 cr, postbac or sped minor or instr consent , no Grad School cr)
- 85550 001 LEC, 08:00am-12:00pm S, MonH 151, 01/24/09-01/24/09, 08:00am-12:00pm S, MonH 151, 02/07/09-02/07/09, 08:00am-12:00pm S, MonH 151, 02/28/09-02/28/09, 08:00am-12:00pm S, MonH 151, 04/11/09-04/11/09, 08:00am-12:00pm S, MonH 151, 05/09/09-05/09/09; (Course meets 1/24, 2/7, 2/28, 4/11, 5/9—additional on-line hours will be required) (meets with SpEd 5435); Meets with: 83986 SPED 5435; , 4 cr
- 4452 Academic Interventions for Students with Disabilities**
(Credit will not be granted if credit has been received for: SPED 5452; A-F only; prereq 4433, postbac or instr consent , no Grad School cr)
- 88910 001 LEC, 05:00pm-07:50pm T, MonH 121; (meets with SpEd 5452); Meets with: 88912 SPED 5452; Hughes, Trudie Ann, 4 cr
- 4600 Student Teaching**
(max crs 12; S-N only; prereq Postbac or instructor consent, no Grad School credit)
- 85552 001 PRC; , 12 cr
- 85926 002 PRC; , 12 cr
- 85928 003 PRC; , 12 cr
- 86306 004 PRC; , 6 cr
- 86308 005 PRC; , 6 cr
- 86310 006 PRC; , 6 cr
- 86312 007 PRC; , 6 cr
- 86358 008 PRC; , 3 cr
- 4610 Professional Issues**
(S-N only; prereq No Grad School credit)
- 87936 001 LEC, 01:00pm-05:00pm S, MonH 151, 01/24/09-01/24/09, 01:00pm-05:00pm S, MonH 151, 02/07/09-02/07/09, 01:00pm-05:00pm S, MonH 151, 02/28/09-02/28/09, 01:00pm-05:00pm S, MonH 151, 04/11/09-04/11/09; (course meets 1/24, 2/7, 2/28, 4/11); Marchel, Mary A, 1 cr
- 5103 Infants and Toddlers with Special Needs**
(Credit will not be granted if credit has been received for: SPED 3103; A-F; prereq Bachelors degree in a related area of study (early childhood educ, elem educ, comm sci disorders, social work))
- 91221 001 LEC, 01:00pm-03:50pm W, Chem 251; (meets with SpEd 3103); Meets with: 87548 SPED 3103; Marchel, Mary A, 3 cr
- 5204 Assessment for Children and Youth with Disabilities**
(Credit will not be granted if credit has been received for: SPED 4204; A-F only; prereq 4433 or 5433, postbac grad or instr consent)
- 87062 001 LEC, 05:00pm-07:40pm M, MonH 121; (meets with SpEd 4204); Meets with: 87060 SPED 4204; , 4 cr
- 5270 Methods for Teaching Children and Youth with Autism Spectrum Disorders**
(Credit will not be granted if credit has been received for: SPED 4270; A-F only; prereq 4250 or 5250 or instr consent)
- 88588 350 LEC; (Offered concurrently with SPED 4270 prereq SPED 4250/5250); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Meets with: 88586 SPED 4270; Ferguson, Peg, 4 cr
- 5382 Advanced Theory and Practice in Emotional/Behavioral Disorders**
(Credit will not be granted if credit has been received for: SPED 4382; A-F only; prereq 4433 or 5433 or instr consent)
- 91220 001 LEC, 05:00pm-07:40pm Th, MonH 121; (meets with SpEd 4382); Meets with: 91219 SPED 4382; , 4 cr

5433 Foundations in Special Education (Credit will not be granted if credit has been received for: SPED 4433; prereq Postbac grad student)	4101 Actuarial Probability (S-N only; prereq 3611, Math 3298; credit cannot be applied to math major or minor; no Grad School cr)	87726 003 LEC, 01:00pm-01:50pm MW, SCC 21, 01/20/09-03/13/09; (Special term: 01/16/2007-03/09/2007 (ICL TA training)); Kowalczyk PhD, John P, 1-3 cr
88496 350 INI; (Online INI - Students must complete all course requirements, regardless of start date, by 5/09/08. No exceptions. Initial course information is available at http://www.d.umn.edu/goto/ini. Click on "Getting Started After Registration" to begin. Open CE reserved seats will be available to UMD students on January 15, 2008.); 2 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Nierengarten EdD, Gerry, 4 cr	91176 001 LEC, 12:00pm-01:30pm T, Cina 102; , 1 cr	3002 SSP Teaching Assistantship Practicum (max crs 6; 6 repeats allowed; A-F only; prereq instr consent)
5435 Parent and Professional Communication and Collaboration (Credit will not be granted if credit has been received for: SPED 4435; prereq 4433 or 5433, postbac grad or instr consent)	5511 Regression Analysis (A-F only; prereq 3611, Math 3280 or Math 4326)	84250 001 PRC; (SI for Biology); Reierson, Shirley A, 1-2 cr
83986 001 LEC, 08:00am-12:00pm S, MonH 151, 01/24/09-01/24/09, 08:00am-12:00pm S, MonH 151, 02/07/09-02/07/09, 08:00am-12:00pm S, MonH 151, 02/28/09-02/28/09, 08:00am-12:00pm S, MonH 151, 04/11/09-04/11/09, 08:00am-12:00pm S, MonH 151, 05/09/09-05/09/09; (course meets 1/24, 2/7, 2/28, 4/11, 5/9—additional on-line hours will be required) (meets with SpEd 4435); Meets with: 85550 SPED 4435; , 4 cr	83292 002 LAB, 12:00pm-12:50pm F, MonH 209; , 3 cr	84252 002 PRC; (PD); Reierson, Shirley A, 1-2 cr
5452 Academic Interventions for Students with Disabilities (Credit will not be granted if credit has been received for: SPED 4452; A-F only; prereq 4433 or 5433, postbac grad or instr consent)	5531 Probability Models (A-F only; prereq 3611, Math 1297 or Math 1597)	84390 003 PRC, 05:00pm-06:50pm MW, BohH 343; (SI for Biology); Strand, Jill R, 2 cr
88912 001 LEC, 05:00pm-07:50pm T, MonH 121; (meets with SpEd 4452); Meets with: 88910 SPED 4452; Hughes, Trudie Ann, 4 cr	83296 001 LEC, 11:00am-11:50am MWThF, Chem 251; , 4 cr	85482 004 PRC; (ICL); Kowalczyk PhD, John P, 1-2 cr
5600 Student Teaching (max crs 12; 12 repeats allowed; S-N only; prereq Instructor consent; no Grad School credit)	5572 Statistical Inference (A-F only; prereq 5571)	3003 Tutor Training: Individualization of Instruction (A-F; prereq instr consent)
83760 001 PRC, 1-12 cr	83294 001 LEC, 01:00pm-01:50pm MWThF, LSBE 165; , 4 cr	83482 001 LEC, 02:00pm-03:50pm W, SCC 21; Strand, Jill R, 2 cr
5991 Independent Study (max crs 6; 6 repeats allowed; A-F only; prereq dept consent)	8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)	83484 002 LEC, 10:00am-11:50am Th, SCC 21; Strand, Jill R, 2 cr
84246 001 IND, 1-6 cr	84564 001 DRS; Regal, Ronald Ray, 1 cr	3004 Tutor Practicum (max crs 3; 3 repeats allowed; A-F; prereq 3003 or instr consent)
STATISTICS (Stat) Swenson College of Science & Engineering	8711 Statistics Seminar (S-N only; prereq 5572)	83450 001 PRC; (Global Languages); Reierson, Shirley A, 1-2 cr
1411 Introduction to Statistics (A-F only; prereq Math ACT 22 or higher or a grade of at least C- in Math 1005 or dept consent; meets LE req of LE CAT2)	86486 001 SEM, 02:00pm-02:50pm MWF, LSBE 165; , 3 cr	83452 002 PRC; (Bus/Econ/Acct); Reierson, Shirley A, 1-2 cr
83270 001 LEC, 11:00am-11:50am MWF, KPiz 312; , 3 cr	8888 Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq max 18 cr per semester or summer; 24 cr required)	83454 003 PRC; (Chemistry); Reierson, Shirley A, 1-2 cr
2411 Statistical Methods (A-F only; prereq Math ACT 23 or higher or a grade of at least C- in Math 1250 or higher or dept consent; meets LE req of LE CAT2)	84636 001 THE; Regal, Ronald Ray, 1-24 cr	83456 004 PRC; (Math); Reierson, Shirley A, 1-2 cr
83272 001 LEC, 10:00am-10:50am MWF, VKH 221; , 3 cr	SUPPORTIVE SERVICES PROGRAM (SSP) Achievement Center	83458 005 PRC; (Physics); Reierson, Shirley A, 1-2 cr
88596 002 LEC, 12:00pm-12:50pm MWF, Engr 118; , 3 cr	1000 Introduction to College Learning (max crs 2; A-F only)	83460 006 PRC; (Writing); Reierson, Shirley A, 1-2 cr
3411 Engineering Statistics (A-F only; prereq 1297, cannot be applied to a math or statistics major)	82570 001 LEC, 11:00am-11:50am MW, Engr 290, 01/20/09-03/13/09; Reierson, Shirley A, 1-2 cr	83464 008 PRC; (Comp Sci); Reierson, Shirley A, 1-2 cr
86808 001 LEC, 10:00am-10:50am MWF, LSBE 165; , 3 cr	82572 002 LEC, 08:00am-08:50am W, Cina 106; , 1-2 cr	THEATRE (Th) School of Fine Arts
88110 002 LEC, 11:00am-11:50am MWF, SCC 21; , 3 cr	86364 003 LEC, 10:00am-10:50am F, Cina 106; , 1-2 cr	1001 Introduction to Theatre Arts (A-F only; meets LE req of LE CAT9)
3611 Introduction to Probability and Statistics (A-F only; prereq A grade of at least C- in Math 1290 or Math 1296)	89002 004 LEC, 11:00am-11:50am F, Cina 106; , 1-2 cr	84832 001 LEC, 11:00am-11:50am MWF, SCC 120; Payne, William Eugene, 3 cr
83276 001 LEC, 09:00am-09:50am MTWF, HH 216; , 4 cr	1052 College Writing Strategies (Credit will not be granted if credit has been received for: MED 1004; S-N only)	85894 002 LEC, 12:00pm-12:50pm MWF, MonH 80; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Berry, Jon Michael, 3 cr
83278 002 LEC, 11:00am-11:50am MWThF, MonH 108; , 4 cr	85198 001 LEC, 10:00am-10:50am MW, SCC 21; Reierson, Shirley A, 2 cr	1071 Musical Theatre History (A-F only; meets LE req of LE CAT9)
83280 003 LEC, 02:00pm-02:50pm MWThF, HH 216; , 4 cr	1054 College Study Strategies (Credit will not be granted if credit has been received for: MED 1003; S-N only; prereq)	82804 001 LEC, 03:00pm-04:15pm MW, HH 216; (Open CE reserved seats will be available to UMD students on January 15, 2008.); Katz Harwood, Rebecca, 3 cr
	001 LEC, 09:00am-09:50am MF, Cina 102, 01/20/09-03/13/09	1099 Theatre Practicum I (max crs 6; 6 repeats allowed; A-F only; meets LE req of LE CAT10)
	83054 002 DIS, 09:00am-09:50am W, Engr 118, 01/20/09-03/13/09; Flagler, Robert Locke, 1 cr	85944 001 LAB; Harvey, Mark A; Bergeron, Ann Aiko; Isbell, Tom K; Payne, William Eugene; Ufema, Kate, 1 cr
	83056 003 DIS, 09:00am-09:50am W, SCC 6, 01/20/09-03/13/09; Flagler, Robert Locke, 1 cr	1111 Acting Fundamentals I (A-F only; prereq Not open to BFA Th majors; meets LE req of LE CAT10)
	83058 004 DIS, 09:00am-09:50am W, H 464, 01/20/09-03/13/09; Flagler, Robert Locke, 1 cr	87676 001 STU, 10:00am-11:15am MWF, MPAC 1; Grussendorf, Kelly Ann, 3 cr
	1101 Personal Development (A-F only)	87678 002 STU, 10:00am-11:50am TTh, MPAC 1; Grussendorf, Kelly Ann, 3 cr
	001 LEC, 11:00am-11:50am T, SCC 21; Reierson, Shirley A	1112 Acting I (A-F only; prereq 1801 or BFA Th major or instr consent)
	85202 002 DIS, 11:00am-11:50am Th, SCC 6; Reierson, Shirley A, 2 cr	82808 001 STU, 02:00pm-03:15pm MWF, MPAC 49; Isbell, Tom K, 3 cr
	85204 003 DIS, 11:00am-11:50am Th, BohH 112; Reierson, Shirley A, 2 cr	82810 002 STU, 10:00am-11:50am TTh, MPAC 49; Payne, William Eugene, 3 cr
	85206 004 DIS, 11:00am-11:50am Th, BohH 108; Reierson, Shirley A, 2 cr	1116 Audition Techniques (A-F only; prereq instr consent)
	85208 005 DIS, 11:00am-11:50am Th, H 480; Reierson, Shirley A, 2 cr	82818 001 STU, 12:00pm-01:15pm MWF, MPAC 49; Bergeron, Ann Aiko, 3 cr
	3001 Preparation for SSP Teaching Assistantship (max crs 3; S-N only; prereq instr consent)	82820 002 STU, 02:00pm-03:50pm TTh, MPAC 49; Bergeron, Ann Aiko, 3 cr
	82574 001 LEC, 09:00am-09:50am TTh, Engr 290; (TA training); Reierson, Shirley A, 2 cr	1299 Theatre Marketing/Management Practicum (max crs 6; 3 repeats allowed; A-F only; prereq Th major or minor)
	84372 002 LEC, 04:30pm-05:20pm MW, H 464, 01/20/09-03/13/09; (Special term: 01/16/2007-03/09/2007 (ICL TA training)); Kowalczyk PhD, John P, 1 cr	85948 001 LAB; Morgan, Sherise Alison, 2 cr

- 1301 Stagecraft**
(A-F only; prereq 1801 or instr consent)
001 LEC, 09:00am-09:50am MWF, MPAC 51;
(Practicum arr); Engler, Mark Leo
85724 002 LAB, 10:00am-11:50am MWF, MPAC
130; Engler, Mark Leo, 5 cr
85726 003 LAB, 01:00pm-02:50pm MWF, MPAC
130; Engler, Mark Leo, 5 cr
85728 004 LAB, 03:00pm-04:50pm MWF, MPAC
130; Engler, Mark Leo, 5 cr
85730 005 LAB, 10:00am-12:50pm TTh, MPAC 130;
Engler, Mark Leo, 5 cr
85732 006 LAB, 02:00pm-04:50pm TTh, MPAC 130;
Engler, Mark Leo, 5 cr
- 1399 Scenery and Properties Practicum**
(max crs 6; 3 repeats allowed; A-F only; prereq
Th major or minor)
85950 001 LAB; Phillips, Curtis J, 2 cr
- 1401 Costume Construction I**
(A-F only; prereq 1801 or instr consent)
001 LEC, 09:00am-09:50am MWF, MPAC 30;
(Practicum arr); Piotrowski, Laura Kay
85734 002 LAB, 10:00am-11:50am MWF, MPAC 30;
Piotrowski, Laura Kay, 5 cr
85736 003 LAB, 01:00pm-02:50pm MWF, MPAC 30;
Piotrowski, Laura Kay, 5 cr
85738 004 LAB, 03:00pm-04:50pm MWF, MPAC 30;
Piotrowski, Laura Kay, 5 cr
85740 005 LAB, 10:00am-12:50pm TTh, MPAC 30;
Piotrowski, Laura Kay, 5 cr
- 1499 Costume Practicum**
(max crs 6; 3 repeats allowed; A-F only; prereq
Th major or minor)
85970 001 LAB; Dennis, Patricia, 2 cr
- 1501 Stage Lighting I**
(A-F only; prereq 1001 or 1801 or instr consent)
001 LEC, 10:00am-10:50am MWF, MPAC 51;
(Practicum arr); Harvey, Mark A
86534 002 PRC, 01:00pm-02:50pm MWF, MPAC
125; Harvey, Mark A, 4 cr
86536 003 PRC, 11:00am-01:50pm TTh, MPAC 125;
Harvey, Mark A, 4 cr
86538 004 PRC, 02:00pm-04:50pm TTh, MPAC 125;
Harvey, Mark A, 4 cr
- 1599 Lighting/Sound Practicum**
(max crs 3; 3 repeats allowed; A-F only; prereq
Th major or minor)
85952 001 LAB; Harvey, Mark A, 1 cr
- 1601 Stage Management**
(A-F only)
87204 001 LEC, 12:00pm-12:50pm MWF, Chem 153;
Harvey, Mark A, 3 cr
- 1699 Running Crew Practicum**
(max crs 6; 3 repeats allowed; A-F only; prereq
instr consent)
85968 001 LAB; Harvey, Mark A; Dennis, Patricia;
Phillips, Curtis J, 2 cr
- 2113 Acting III: Classical Styles**
(A-F only; prereq 2112 or instr consent)
84274 001 STU, 10:00am-11:15am MWF, MPAC 49;
Isbell, Tom K, 3 cr
- 2114 Acting: Musical Theatre**
(A-F only; prereq instr consent)
83348 001 STU, 03:00pm-04:15pm MWF, MPAC 21;
Ufema, Kate, 3 cr
- 2119 Stage Dialects**
(A-F only; prereq instr consent)
85294 001 STU, 12:00pm-01:15pm MWF, MPAC 21;
Ufema, Kate, 3 cr
- 2851 Film History**
(A-F; prereq soph or instr consent)
86582 001 LEC, 04:00pm-05:50pm TTh, MonH 203;
Stanfield, Mark, 3 cr
- 3099 Theatre Practicum II**
(max crs 12; 6 repeats allowed; A-F only)
85956 001 LAB; Harvey, Mark A; Katz Harwood,
Rebecca; Isbell, Tom K; Payne, William
Eugene, 2 cr
- 3111 Acting Fundamentals II**
(A-F only; prereq 1111 or 1112 or instr consent;
not open to BFA th majors)
87206 001 STU, 08:30am-09:45am MWF, MPAC 21;
Ufema, Kate, 3 cr

- 3171 Acting IV: Character/Masks**
(A-F only; prereq 60 cr, BFA Th major, instr
consent)
87950 001 STU, 03:00pm-04:50pm MF, MPAC 155;
Payne, William Eugene, 3 cr
- 3331 Scenic Design I**
(A-F only; prereq 1301 or instr consent)
83100 001 LEC, 02:00pm-03:50pm TTh, MPAC 51;
Phillips, Curtis J, 3 cr
- 3355 Computer-Aided Theatrical Design**
(A-F only; prereq 1301 or instr consent)
87180 001 LEC, 03:00pm-04:15pm MWF, MPAC 51;
Phillips, Curtis J, 3 cr
- 3401 Costume Construction II**
(A-F only; prereq 1401 or instr consent)
87182 001 LEC, 02:00pm-03:50pm TTh, MPAC 30;
Piotrowski, Laura Kay, 3 cr
- 3441 Costume Design I**
(A-F only; prereq 1401, 1801 or instr consent)
83108 001 LEC, 10:00am-11:50am TTh, MPAC 51;
Dennis, Patricia, 3 cr
- 3699 Production Management**
(max crs 12; 6 repeats allowed; A-F only; prereq
instr consent)
85958 001 LAB; Harvey, Mark A; Dennis, Patricia;
Phillips, Curtis J, 2 cr
- 3851 Screenwriting**
(A-F only; prereq instr consent)
87696 001 LEC, 02:00pm-03:15pm TTh, Chem 251;
Stanfield, Mark, 3 cr
- 3881 New Play Development Workshop**
(max crs 6; A-F only; prereq 1001 or 1801 or
instr consent)
91258 001 STU, 02:00pm-03:50pm TTh, MPAC 21;
Payne, William Eugene, 3 cr
- 3991 Independent Study in Theatre**
(max crs 6; 6 repeats allowed; A-F only; prereq
instr consent; undergrads max 6 cr in 3991 and
5991 combined)
83220 001 IND; Dennis, Patricia, 1-3 cr
- 4171 Acting VI: Acting for the Camera**
(A-F only; prereq 4151 or instr consent; no Grad
School credit)
86112 001 STU, 12:00pm-01:50pm TTh, MPAC 49;
Isbell, Tom K, 3 cr
- 4399 Theatre: Special Projects**
(max crs 12; 12 repeats allowed; A-F only; prereq
instr consent)
83238 001 DIS; Harvey, Mark A; Phillips, Curtis J;
Dennis, Patricia, 1-2 cr
- 4501 Stage Lighting II**
(A-F only; prereq 1501 or instr consent; no Grad
School credit)
87952 001 LEC, 3 cr
- 4802 History of the Theatre II**
(A-F only; prereq 4801 or instr consent)
83240 001 LEC, 10:00am-10:50am MWF, Library
409; Berry, Jon Michael, 3 cr
- 4851 Dramatic and Performance Theory**
(A-F only; prereq 3801 or instr consent)
83246 001 LEC, 02:00pm-02:50pm MWF, LSBE 265;
Berry, Jon Michael, 3 cr
- 4901 Intern Teaching in Theatre**
(max crs 9; 3 repeats allowed; A-F only; prereq
instr consent, no Grad School credit)
83266 001 DIS; Payne, William Eugene; Isbell, Tom
K; Bergeron, Ann Aiko; Dennis, Patricia;
Ufema, Kate; Harvey, Mark A, 3 cr
- 5991 Independent Study in Theatre**
(max crs 6; 6 repeats allowed; A-F only; prereq
Sr, dept consent; undergrads max 6 cr in 3991
and 5991 combined; no Grad School credit)
83268 001 IND; Dennis, Patricia, 1-3 cr
- 5997 Internship in Professional Theatre**
(max crs 12; 12 repeats allowed; S-N only;
prereq dept consent; 1 cr for each 45 hrs work;
no Grad School credit)
83274 001 IEX; Dennis, Patricia, 1-12 cr

TOXICOLOGY (TxcI)

Duluth School of Medicine

- 5000 Directed Research in Toxicology**
(max crs 16; 16 repeats allowed; S-N only;
prereq instr consent)
86728 001 LAB, 1-4 cr
- 5545 Introduction to Regulatory Medicine**
(A-F only; prereq Grad School student or instr
consent)
86726 001 ROT; ITV course from the St. Paul
Campus. Meets in SMed 263 from 5:30 pm-
7:30 pm January 14, 15, 16, 17, 18, 22, 23, 24,
25. Additional class date TBA., 2 cr
- 8012 Advanced Toxicology I**
(A-F only; prereq 5011, Chem 4341 or instr
consent)
86730 001 LEC, 3 cr
- 8100 Investigative Toxicology**
(max crs 2; A-F only; prereq 8013 or instructor
consent)
86832 001 SEM, 1 cr
- 8333 FTE: Master's**
(NGA; prereq Master s student, adviser and
DGS consent)
82528 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS
consent)
84566 001 DRS, 1 cr
- 8666 Doctoral Pre-Thesis Credits**
(max crs 12; NGA; prereq Max 6 cr per semester
or summer; doctoral student who has not passed
prelim oral; no required consent for the first two
registrations up to 12 cr; departmental consent
for the third and fourth registrations up to an
additional 12 cr, or 24 cr total (for doctoral
students admitted summer 2007 and beyond;
doctoral students admitted prior to summer 2007
may register up to 4 times totaling 60 cr))
84580 001 THE, 1-6 cr
- 8777 Thesis Credits: Master's**
(max crs 50; 10 repeats allowed; NGA; prereq
Max 18 cr per semester or summer; 10 cr total
required (Plan A only))
84618 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)
84638 001 THE, 1-24 cr

URBAN AND REGIONAL STUDIES (URS)

College of Liberal Arts

- 1001 Introduction to Urban and Regional
Studies**
(A-F; meets LE req of LE CAT8)
88652 001 LEC, 12:00pm-01:15pm TTh, Cina 316;
Pine, Adam Marc, 3 cr
- 3097 Internship in Urban and Regional Studies**
(max crs 8; 8 repeats allowed; S-N; prereq URS
major, jr or sr, instr consent)
82840 001 IEX; , 1-6 cr
- 3991 Independent Study in Urban and Regional
Studies**
(max crs 6; prereq instr consent)
85484 001 IND; , 1-4 cr

WATER RESOURCES SCIENCE (WRS)

Swenson College of Science & Engineering

- 8333 FTE: Master's**
(NGA; prereq Master s student, adviser and
DGS consent)
82530 001 DRS, 1 cr
- 8444 FTE: Doctoral**
(NGA; prereq Doctoral student, adviser and DGS
consent)
84568 001 DRS, 1 cr

- 8666 Doctoral Pre-Thesis Credits**
(max crs 12; NGA; prereq Max 6 cr per semester or summer; doctoral student who has not passed prelim oral; no required consent for the first two registrations up to 12 cr; departmental consent for the third and fourth registrations up to an additional 12 cr, or 24 cr total (for doctoral students admitted summer 2007 and beyond; doctoral students admitted prior to summer 2007 may register up to 4 times totaling 60 cr))
- 84582 001 THE, 1-6 cr
- 8777 Thesis Credits: Master's**
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
- 84620 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)
- 84640 001 THE, 1-24 cr

WOMEN'S STUDIES (WS)**College of Liberal Arts**

- 1000 Introduction to Women's Studies**
(A-F only; meets LECD req of LECD CAT07)
- 85876 001 LEC, 09:30am-10:45am TTh, LSci 185; Plechner, Deborah Marie, 3 cr
- 88436 002 LEC, 10:00am-10:50am MWF, H 480; Varney, Joan Dee, 3 cr
- 88946 003 LEC, 06:00pm-08:50pm W, H 480; Ritmeester, Tineke, 3 cr
- 2101 Women, Race, and Class**
(A-F only; meets LECD req of LECD CAT08)
- 84712 001 LEC, 02:00pm-03:15pm TTh, H 480; Plechner, Deborah Marie, 3 cr
- 85922 002 LEC, 05:00pm-07:50pm T, BohH 346; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 8 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Plechner, Deborah Marie, 3 cr
- 3000 Transnational Perspectives on Feminism**
(A-F only; prereq 1000 or 2101 or instr consent)
- 87944 001 LEC, 03:30pm-04:45pm TTh, H 480; Ritmeester, Tineke, 3 cr
- 3002 Latin American Women: Culture and Politics**
(A-F only; prereq 1000 or 2101 or instr consent)
- 85106 090 LEC, 06:00pm-08:50pm T, MonH 108; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 7 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Woodward, Susana Paylayo, 3 cr
- 3150 Women-Identified Culture**
(A-F only)
- 85010 001 LEC, 02:00pm-04:50pm W, H 480; Ritmeester, Tineke, 3 cr
- 3250 Women, Peace and War**
(A-F only; prereq 1000)
- 91269 001 LEC, 09:30am-10:45am TTh, H 480; Bartlett, Elizabeth Ann, 3 cr
- 3350 Women and the Law**
(A-F only; prereq 1000 or 2101 or instr consent)
- 86964 090 LEC, 06:00pm-08:50pm Th, H 468; (Open CE reserved seats will be available to UMD students on January 15, 2008.); 4 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; Christian, Cindy M, 3 cr
- 3891 Independent Study**
(max crs 6; A-F only; prereq 1000, 3100, 15 cr WS or WS-related courses, instr consent)
- 83978 001 IND, 1-3 cr
- 3896 International Fieldwork in Women's Studies**
(max crs 6; A-F only; prereq 1000, instr consent)
- 86966 001 FWK; Bartlett, Elizabeth Ann, 1-3 cr

- 3897 Internship**
(max crs 9; 3 repeats allowed; S-N only; prereq 1000, 2101, 3100, 15 cr WS or WS-related courses, WS major or minor, 53 cr, instr consent)
- 83976 001 IEX, 1-9 cr
- 4000 Seminar**
(A-F only; prereq 1000, 2101, 3100, 15 cr WS or WS-related courses, WS major or minor, or instr consent)
- 82564 001 SEM, 12:00pm-01:50pm TTh, H 480; Class will meet in WS seminar room.; Bartlett, Elizabeth Ann, 4 cr
- 5897 Teaching Internship in Women's Studies**
(max crs 4; S-N only; prereq 1000, 2101, 90cr, WS major, instr consent; no Grad School credit)
- 86038 001 IEX, 1-2 cr
- 5991 Independent Study**
(max crs 4; A-F only; prereq 1000, 3100, 15 cr WS or WS related courses or grad student, instr consent)
- 83974 001 LEC, 1-4 cr

WRITING STUDIES (Writ)**College of Liberal Arts**

- 1120 College Writing**
(A-F only; prereq Credit will not be granted if credit received for: [Comp 1120]. Students speaking English as a second language must have TOEFL score of 550; meets LE req of LE CAT1)
- 001 LEC, 08:00am-08:50am MF, H 480
- 45856 002 LAB, 08:00am-08:50am W, H 470, 3 cr
- 003 LEC, 08:00am-08:50am MW, H 468
- 45860 004 LAB, 08:00am-08:50am F, H 470; , 3 cr
- 005 LEC, 02:00pm-02:50pm MW, BohH 346
- 45864 006 LAB, 02:00pm-02:50pm F, H 470; , 3 cr
- 009 LEC, 08:00am-09:15am T, LSBE 265
- 45872 010 LAB, 08:00am-09:15am Th, H 470; , 3 cr
- 011 LEC, 09:00am-09:50am MW, Cina 202
- 46048 012 LAB, 09:00am-09:50am F, H 470; , 3 cr
- 013 LEC, 09:00am-09:50am WF, BohH 346
- 45876 014 LAB, 09:00am-09:50am M, H 470; , 3 cr
- 015 LEC, 09:00am-09:50am MF, BohH 112
- 45880 016 LAB, 09:00am-09:50am W, H 470; , 3 cr
- 017 LEC, 11:00am-11:50am F, Cina 202
- 45884 018 LAB, 11:00am-11:50am W, H 470; , 3 cr
- 019 LEC, 09:30am-10:45am Th, LSBE 265
- 45888 020 LAB, 09:30am-10:45am T, H 470; , 3 cr
- 021 LEC, 11:00am-11:50am WF, H 403
- 45892 022 LAB, 11:00am-11:50am M, H 470; , 3 cr
- 023 LEC, 10:00am-10:50am MF, BohH 112
- 45896 024 LAB, 10:00am-10:50am W, H 470; , 3 cr
- 025 LEC, 10:00am-10:50am MW, H 468
- 45900 026 LAB, 10:00am-10:50am F, H 470; , 3 cr
- 027 LEC, 10:00am-10:50am WF, H 403
- 45904 028 LAB, 10:00am-10:50am M, H 470; , 3 cr
- 029 LEC, 03:30pm-04:45pm Th, BohH 108
- 45908 030 LAB, 03:30pm-04:45pm T, H 470; , 3 cr
- 031 LEC, 11:00am-11:50am MW, BohH 112
- 45912 032 LAB, 11:00am-11:50am F, H 470; , 3 cr
- 033 LEC, 11:00am-11:50am WF, Cina 102
- 45916 034 LAB, 11:00am-11:50am M, KPlz 143; , 3 cr
- 035 LEC, 09:00am-09:50am WF, H 468
- 45920 036 LAB, 09:00am-09:50am M, KPlz 143; , 3 cr
- 037 LEC, 12:00pm-12:50pm MW, Cina 106
- 45924 038 LAB, 12:00pm-12:50pm F, H 470; , 3 cr
- 039 LEC, 12:00pm-12:50pm MF, MonH 206
- 45928 040 LAB, 12:00pm-12:50pm W, H 470; , 3 cr
- 041 LEC, 12:00pm-12:50pm WF, H 468
- 45932 042 LAB, 12:00pm-12:50pm M, H 470; , 3 cr
- 043 LEC, 03:00pm-03:50pm WF, H 468
- 45936 044 LAB, 03:00pm-03:50pm M, H 470; , 3 cr
- 045 LEC, 03:00pm-03:50pm WF, H 490
- 45940 046 LAB, 03:00pm-03:50pm M, KPlz 143; , 3 cr
- 047 LEC, 01:00pm-01:50pm MW, BohH 112
- 45944 048 LAB, 01:00pm-01:50pm F, H 470; , 3 cr
- 049 LEC, 01:00pm-01:50pm MF, Cina 106
- 45948 050 LAB, 01:00pm-01:50pm W, H 470; , 3 cr
- 051 LEC, 01:00pm-01:50pm WF, H 468
- 45952 052 LAB, 01:00pm-01:50pm M, H 470; , 3 cr
- 053 LEC, 09:30am-10:45am T, LSBE 265
- 46008 054 LAB, 09:30am-10:45am Th, H 470; , 3 cr
- 055 LEC, 02:00pm-02:50pm MF, H 480
- 46012 056 LAB, 02:00pm-02:50pm W, H 470; , 3 cr
- 057 LEC, 02:00pm-02:50pm WF, H 403
- 46016 058 LAB, 02:00pm-02:50pm M, H 470; , 3 cr
- 063 LEC, 02:00pm-03:15pm T, Cina 202
- 46028 064 LAB, 02:00pm-03:15pm Th, SSB 216; , 3 cr
- 090 LEC, 06:00pm-07:15pm M, H 468
- 46058 091 LAB, 06:00pm-07:15pm W, H 470; (Open CE reserved seats will be available to UMD students on January 13, 2009.); 5 seats reserved for Continuing Education - EXPIRES 13-JAN-2009; , 3 cr
- 1506 Literacy, Technology and Society**
(A-F only; prereq Credit will not be granted if credit has been received for: [Comp 1506]; meets LE req of LE CAT7)
- 46064 001 LEC, 02:00pm-03:15pm T, SpHC 210, 02:00pm-03:15pm Th, LSBE 265, 3 cr
- 3100 Advanced Writing: Language and Literature**
(A-F only; prereq Credit will not be received if credit granted for: [Comp 3100], 1120, min 60 cr)
- 46044 001 LEC, 12:00pm-12:50pm MWF, BohH 112; , 3 cr
- 3110 Advanced Writing: Arts and Letters**
(A-F only; prereq Credit will not be granted if credit received for: [Comp 3110], 1120, min 60 cr)
- 45954 001 LEC, 12:00pm-12:50pm MW, KPlz 312, 12:00pm-12:50pm F, KPlz 143; , 3 cr
- 45956 002 LEC, 09:30am-10:45am TTh, H 468; , 3 cr
- 46092 350 INI; (Individualized Instruction. Enrollment in closed sections may be possible with instructor consent. Permission numbers may be obtained at the instructor's discretion. Student must access initial course information at www.d.umn.edu/goto/ini. Click on "Getting Started After Registration" to begin.); , 3 cr
- 3121 Advanced Writing: Business and Organizations**
(A-F only; prereq Credit will not be granted if credit received for: [Comp 3121], 1120, min 60 cr)
- 45998 001 LEC, 08:00am-08:50am MWF, BohH 108; , 3 cr
- 46000 002 LEC, 10:00am-10:50am MWF, LSBE 265; 28 seats reserved for Accounting majors/candidates; 28 seats reserved for Accounting majors, candidates; , 3 cr
- 46002 003 LEC, 08:00am-09:15am TTh, BohH 112; , 3 cr
- 46066 004 LEC, 02:00pm-02:50pm MWF, Cina 102; , 3 cr
- 46004 350 INI; (Individualized Instruction-Instructor consent required. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin.); , 3 cr
- 3130 Advanced Writing: Engineering**
(A-F only; prereq Credit will not be granted if credit received for: [Comp 3130], 1120, min 60 cr)
- 45958 001 LEC, 11:00am-11:50am MF, MonH 206, 11:00am-11:50am W, KPlz 143; , 3 cr
- 45960 350 INI; (Individualized Instruction-Instructor Consent Required. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin.); , 3 cr
- 3140 Advanced Writing: Human Services**
(A-F only; prereq Credit will not be granted if credit received for: [Comp 3140], 1120, min 60 cr)
- 45962 001 LEC, 08:00am-09:15am TTh, H 468; , 3 cr
- 45964 002 LEC, 03:30pm-04:45pm TTh, H 468; , 3 cr
- 45968 004 LEC, 02:00pm-02:50pm MWF, H 468; , 3 cr
- 45970 005 LEC, 12:00pm-12:50pm MWF, H 480; 10 seats reserved for UECH candidates/majors with min 45 credits; 18 seats reserved for EIEd majors.; 10 seats reserved for UECH Major, min 45 credits; 18 seats reserved for Elem Ed major; , 3 cr
- 46070 006 LEC, 11:00am-11:50am MWF, H 480; , 3 cr
- 45972 350 INI; (Individualized Instruction-Instructor Consent Required. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin.); , 3 cr

- 3150 Advanced Writing: Science**
(A-F only; prereq Credit will not be granted if credit has been received for: [Comp 3150], 1120, min 60 cr)
- 45974 001 LEC, 08:00am-09:15am TTh, H 480; , 3 cr
45976 002 LEC, 02:00pm-02:50pm MWF, BohH 112; , 3 cr
46072 005 LEC, 09:00am-09:50am MWF, H 403; , 3 cr
45978 350 INI; (Individualized Instruction-Instructor Consent Required. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin.); , 3 cr
- 3160 Advanced Writing: Social Sciences**
(A-F only; prereq Credit will not be granted if credit has been received for: [Comp 3160], 1120, min 60 cr)
- 45980 001 LEC, 11:00am-11:50am MWF, MonH 208; , 3 cr
45982 002 LEC, 08:00am-09:15am TTh, Cina 102; , 3 cr
45984 003 LEC, 01:00pm-01:50pm MWF, H 480; , 3 cr
45986 004 LEC, 03:00pm-03:50pm MWF, H 403; , 3 cr
46042 005 LEC, 09:00am-09:50am MWF, H 480; , 3 cr
46094 006 LEC, 04:00pm-05:15pm TTh, H 464; , 3 cr
45988 350 INI; (Individualized Instruction-Instructor Consent Required. Initial course information is available at <http://www.d.umn.edu/goto/ini>. Students must click on "Getting Started After Registration" to begin.); , 3 cr
- 3180 Honors: Advanced Writing**
(A-F; prereq Credit will not be granted if credit has been received for: [Comp 3180], min 60 cr, UMD Honors Program, or instr consent; meets HON req of Honors)
- 46090 001 SEM, 03:00pm-04:15pm M, H 468, 03:00pm-04:15pm W, H 470; , 3 cr
- 4260 Visual Rhetoric and Culture**
(Credit will not be granted if credit has been received for: WRIT 5260; A-F; prereq No Grad School cr)
- 46052 001 LEC, 02:00pm-03:15pm TTh, H 458; Meets with WRIT 5260, section 001; Meets with: 91256 WRIT 5260, 3 cr
- 5197 Internship in Writing**
(max crs 3; 3 repeats allowed; S-N; prereq instr consent , Coll Grad or Grad School student)
- 45990 001 IEX; Sozansky, Marty, 1-3 cr
- 5220 Document Design and Graphics**
(A-F only; prereq Credit will not be granted if credit has been received for: [Comp 5220], max 3 cr may be applied to Grad School prog)
- 46082 001 LAB, 06:00pm-08:30pm T, H 470; , 3 cr
- 5230 Web Design and Digital Culture**
(A-F only; prereq Credit will not be granted if credit has been received for: [Comp 5230])
- 46076 001 LAB, 09:30am-10:45am TTh, KPliz 143; , 3 cr
46054 002 LAB, 03:30pm-04:45pm TTh, H 458; , 3 cr
- 5260 Visual Rhetoric and Culture**
(Credit will not be granted if credit has been received for: WRIT 4260; A-F)
- 91256 001 LEC, 02:00pm-03:15pm TTh, H 458; Meets with WRIT 4260, section 001; Meets with: 46052 WRIT 4260, 3 cr
- 5591 Independent Study**
(max crs 6; 6 repeats allowed; A-F only; prereq Credit will not be granted if credit has been received for: [Comp 5991], max 3 cr may be applied to Grad School prog, instr consent)
- 45992 001 IND; , 1-3 cr
- 8910 Practicum in Teaching Writing**
(A-F only; prereq Credit will not be granted if credit has been received for: [Engl 8910, Comp 8910], instr consent)
- 45996 001 PRC; , 3 cr
- 8994 Directed Research in Writing Studies**
(max crs 3; 3 repeats allowed; A-F only; prereq Credit will not be granted if credit has been received for: [Comp 8994], 8902; instr consent)
- 45994 001 DRS; , 1-3 cr