HOW TO USE THIS SCHEDULE

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

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

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

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

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

Departments and colleges may use the registration system to help place certain categories of qualified students into courses or sections on a priority basis (seniors, majors, etc.). If you meet all stated prerequisites for the course, including class standing, you may also need to meet other qualifications established at the time of registration. For this reason, it is helpful to think about first and second course choices.

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

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

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

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

- CLN ................................................ Clinic
- COL ................................................. Colloquium
- CST ................................................. Case Study
- DIS ................................................ Discussion
- DRD ............................................. Directed Reading
- DRS ............................................. Directed Research
- DST ........................................... Directed Study
- FWK .............................................. Field Work
- INI ............................................. Individualized Instruction
- IND ........................................... Independent Study
- IEX ............................................. Intern/Externship
- LAB .............................................. Laboratory
- LEC ........................................... Lecture
- 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.
University of Minnesota - Class Schedule for Duluth Campus

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.
3100 Accounting Information Systems
(A-F; prereq LSBE acct or non-LSBE acct minor or college consent)

3101 Principles of Financial Accounting

1000 AFROTC GMC Lead Lab
(max crs 4; 4 repeats allowed; S-N only)

51084 001 LAB, 06:15am-07:45am Th, Room TBA; In addition to normal lead lab activities, you must attend a minimum of two PT sessions per week (0615-0715 days TBD).; Jaros, Jason D, 1 cr

1101 Foundations of the U.S. Air Force
(A-F only)

45996 001 1EC, 07:00am-07:50am T, DBdA 16A; Hollis, Colleen Joy; Jaros, Jason D, 1 cr

1591 Leadership Practicum
(max crs 4; 4 repeats allowed; A-F only)

46068 001 PRC; Instructor approval required.; Jaros, Jason D, 1-4 cr

2101 The Evolution of the U.S. Air Force and Space Power
(A-F only)

46048 001 LAB, 07:00am-07:50am W, DBdA 16A; Jaros, Jason D, 1 cr

3000 AFROTC POC Leadership Laboratory
(max crs 4; 4 repeats allowed; S-N only)

48404 001 LAB, 06:15am-07:45am Th, Room TBA; In addition to normal lead lab activities, you must attend a minimum of two PT sessions per week (0615-0715 days TBD).; Jaros, Jason D, 1 cr

1001 AFROTC POC Lead Lab
(max crs 4; 4 repeats allowed; S-N only)

51086 001 LAB, 06:15am-07:45am Th, Room TBA; In addition to normal lead lab activities, you must attend a minimum of two PT sessions per week (0615-0715 days TBD).; Jaros, Jason D, 1 cr

3101 Air Force Leadership Studies
(A-F only)

46094 001 1EC, 04:00pm-05:50pm W, DBdA 16A; Jaros, Jason D, 3 cr

3591 Leadership Practicum
(max crs 4; 4 repeats allowed; A-F only)

46088 001 PRC; Instructor approval required.; Jaros, Jason D, 1-4 cr

4101 National Security Affairs, Preparation for Active Duty
(A-F only; prereq No Grad School cr)

46096 001 1EC, 05:00pm-07:50pm M, DBdA 16A; Jaros, Jason D, 3 cr

AMERICAN INDIAN STUDIES
(AddM)
College of Liberal Arts

1103 Beginning Ojibwe I

51084 001 LAB, 06:15am-07:45am Th, Room TBA; In addition to normal lead lab activities, you must attend a minimum of two PT sessions per week (0615-0715 days TBD).; Jaros, Jason D, 1 cr

51083 001 LAB, 04:00pm-05:50pm Th, DBdA 16A; Doerfler, Jill May; Jaros, Jason D, 3 cr

53364 001 SEM, 06:15am-07:45am Th, DAdB 16A; Aubid, David Niib; Jaros, Jason D, 3 cr

1104 American Indian Prose, Poetry, and Oratory
(A-F; meets LE req of LE CAT9)

45934 001 1EC, 03:30pm-04:45pm T, SpHC 222; Doerfler, Jill May; Jaros, Jason D, 3 cr

1120 American Indian Experiences: 1900-present
(A-F; meets LEC req of LEC CAT07)

46890 001 1EC, 12:00pm-12:50pm MWF, Cina 308; Doerfler, Jill May; Jaros, Jason D, 3 cr

2203 Intermediate Ojibwe I
(A-F; prereq 1104 or instr consent; meets LEC req of LEC CAT03)

54305 001 1EC, 03:30pm-04:45pm T, Cina 102; Aubid, David Niib; Jaros, Jason D, 3 cr

3106 Indian-White Relations
(A-F; prereq 1120 or instr consent; meets LEC req of LEC CAT08)

46992 001 LAB, 02:00pm-03:15pm T, Cina 308; Red Horse, John E; Jaros, Jason D, 3 cr

3300 Projects in American Indian Studies
(max crs 10; 10 repeats allowed; A-F; prereq 1120, instr consent)

46994 001 IND; Red Horse, John G; Jaros, Jason D, 1-5 cr
ANTHROPOLOGY (Anth)
College of Liberal Arts

1601  Freshman Seminar: Prehistoric Cultures
(Credit will not be granted if credit has been received for: ANTH 1602; A-F only; prereq Freshman, fewer than 30 cr; meets LEIP req of LEIP CAT07)
50916  001 SEM, 03:30pm-05:20pm TTh, Cina214; Routs, Tim, 4 cr

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)
45950  001 LEC, 03:00pm-04:50pm TTh, MonH80; Jones, Jennifer Elaine, 4 cr
48606  090 LEC, 05:00pm-08:30pm M, Cina214; (Open CE reserved seats will be available to UMD students on 09/01/09); 5 seats reserved for Continuing Education - EXPIRES 01-SEP-2009; Roufs, Tim, 4 cr

1604  Cultural Anthropology
(A-F only; prereq credit has been received for: [LEIP CAT06])
45952  001 LEC, 11:00am-12:50pm TTh, LSCI185; 30 seats reserved for Learning Community F08; Sorying PhD, David, 4 cr

3618  Ancient Middle America
(A-F only; prereq preq Min 30 cr)
51298  001 LEC, 02:00pm-03:15pm TTh, Cina214; Routs, Tim, 3 cr

3622  Prehistoric Archaeology: Old World
(A-F only; prereq 1604, min 30 cr)
54130  001 LEC, 10:00am-11:15am TTh, Cina214; Jones, Jennifer Elaine, 3 cr

3628  Women in Cross-Cultural Perspective
(A-F only; prereq 1604, min 30 cr)
54269  001 LEC, 12:00am-12:50pm TTh, Cina224; Jones, Jennifer Elaine, 3 cr

3691  Independent Study in Anthropology
(max crs 10; A-F only; prereq Min 60 credits or instr consent)
49492  001 DRS, Jones, Jennifer Elaine, 1-5 cr

4633  Ethnobotany
(A-F; prereq Min 60 cr, 1604)
52152  001 LEC, 03:00pm-04:50pm TTh, DBAB 16A; Sorying PhD, David, 4 cr

4640  Medical Anthropology
(A-F only; prereq 1604, min credits or Grad School credit)
54241  001 LEC, 01:00pm-02:40pm TTh, Cina224; Emad, Mira, 3 cr

4651  Development of Anthropological Theory
(A-F only; prereq 1604, min 90 cr; no Grad School cr)
49568  001 LEC, 08:00am-09:40am TTh, Cina214; Jones, Jennifer Elaine, 4 cr

4654  Biological Anthropology
(A-F only; prereq 1604, min 60 cr)
49924  001 LEC, 12:00am-12:50pm TTh, Cina214; Kushke, Kari Lynne, 3 cr

4691  Independent Study in Anthropology
(max crs 5; 5 repeats allowed; A-F only; prereq Min 60 cr or instr consent, no Grad School cr)
46158  001 IND, 1-5 cr

4697  Anthropology Internship
(max crs 6; 6 repeats allowed; A-F only; prereq instr consent, no Grad School cr)
48488  001 IEX, Jones, Jennifer Elaine, 2-6 cr

4699  Honors Project
(max crs 4; A-F only; prereq 1604, instr consent; no Grad School cr; meets HON req of Honors)
47308  001 DRS, Jones, Jennifer Elaine, 2-4 cr

4997  Teaching Assistantship in Anthropology
(max crs 3; 3 repeats allowed allowed; A-F; prereq Min 60 cr, instr consent, no Grad School cr)
48490  001 LEC, Sorying PhD, David, 1-3 cr

ART (Art)
School of Fine Arts

902  Studio Art Portfolio Review
(5-N; prereq 15 cr in art courses, pre-studio art major or dept consent)
53030  001 STU; Repinski, Robert A, 0 cr

903  Art Education Portfolio Review
(5-N; only prereq [repeatable one time], 9 cr in art courses, pre-art ed major or dept consent)
48440  001 DIS; Colman, Marian, 0 cr

1001  Art Today
(A-F only; meets LEIP req of LEIP CAT09)
46530  001 LEC, 09:00am-10:50am MW, BOH200; Welting, Rob, 3 cr
53236  090 LEC, 05:00pm-07:30pm M, MonH80; (Open CE reserved seats will be available to UMD students on 09/01/09); 24 seats reserved for Continuing Education - EXPIRES 01-SEP-2009; Christine, Jayme, 3 cr

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])
46532  001 LEC, 12:00pm-01:40pm MW, ABAB135; 3 cr
46534  002 LEC, 02:00pm-03:40pm MW, ABAB135; 3 cr
51256  003 LEC, 02:00pm-03:40pm TTh, ABAB135; 3 cr
54097  004 LEC, 04:00pm-05:40pm TTh, ABAB135; 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)
47238  090 LEC, 06:00pm-09:40pm T, ABAB325; (Open CE reserved seats will be available to UMD students on 09/01/09); 2 seats reserved for Continuing Education - EXPIRES 01-SEP-2009; Meets with: 48714 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)
46552  001 LEC, 08:00am-09:50am MW, ABAB325; Dietrich, Jennifer Lee, 3 cr
46554  002 LEC, 09:00am-10:50am MW, ABAB325; Dietrich, Jennifer Lee, 3 cr
48244  003 LEC, 08:00am-09:50am TTh, ABAB325; Dietrich, Jennifer Lee, 3 cr
48442  004 LEC, 04:00pm-05:50pm TTh, ABAB325; Dietrich, Jennifer Lee, 3 cr
55918  005 LEC, 12:00pm-01:50pm T, H468; 3 cr
48714  090 LEC, 06:00pm-09:40pm T, ABAB325; (Open CE reserved seats will be available to UMD students on 09/01/09); 1 seat reserved for Continuing Education - EXPIRES 01-SEP-2009; Meets with: 47238 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)
46556  001 LEC, 10.00am-11.50am MW, ABAB125; pearcy, wandia, 3 cr
46558  002 LEC, 12.00am-01.50pm MW, ABAB125; pearcy, wandia, 3 cr
46560  003 LEC, 10.00am-11.50am TTh, ABAB125; pearcy, wandia, 3 cr
46562  004 LEC, 02.00pm-03.50pm TTh, ABAB125; pearcy, wandia, 3 cr
50735  005 LEC, 04.00am-05.50pm TTh, ABAB125; pearcy, wandia, 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)
46148  001 LEC, 08.00am-09.50am TTh, ABAB135; Suh, Eun-Kyoung, 3 cr
49964  002 LEC, 10.00am-11.50am TTh, ABAB135; Bowen, David W, 3 cr
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>2100 Painting I</td>
<td>3</td>
<td>(A-F only; prereq Credit will not be granted if credit has been received for: 3016, 1013, art or art ed major or art minor or instr consent)</td>
</tr>
<tr>
<td>2300 Printmaking I: Intaglio, Relief</td>
<td>2</td>
<td>(Credit will not be granted if credit has been received for: 2302; A-F only; prereq 1006 or 1009 or 1011, art or art ed major or art minor or instr consent)</td>
</tr>
<tr>
<td>2400 Ceramics I</td>
<td>3</td>
<td>(A-F only; prereq 1006 or 1009 or 1011, 1012, art or art ed major or art minor or instr consent)</td>
</tr>
<tr>
<td>2600 Photography I</td>
<td>2</td>
<td>(Credit will not be granted if credit has been received for: AR 1605, ART 1600, ART 1607; A-F only; prereq Art or Art ed major or art or photography minor, 1013 or instr consent)</td>
</tr>
<tr>
<td>2800 Design Technology I</td>
<td>3</td>
<td>(A-F only; prereq 1013 and graphic design major or pregrad art and tech major or arts in medium major or instr consent)</td>
</tr>
<tr>
<td>2900 Typography I</td>
<td>2</td>
<td>(A-F only; prereq Graphic design major or digital arts and photography emphasis or instr consent)</td>
</tr>
<tr>
<td>2910 Painting II</td>
<td>3</td>
<td>(max cr 2; 2 repeats allowed; A-F only; prereq 2100, 2101, 2103 or art or art ed major, pre-art educ major or pre-graphic design major, or art or photography minor, and art minor or instr consent)</td>
</tr>
<tr>
<td>3000 Ceramics II</td>
<td>3</td>
<td>(max cr 6; A-F only; 2400 or instr consent)</td>
</tr>
<tr>
<td>3100 Sculpture II</td>
<td>3</td>
<td>(max cr 6; A-F only; prereq 2200, art or art ed major or art minor or instr consent)</td>
</tr>
<tr>
<td>3200 Sculpture II</td>
<td>3</td>
<td>(max cr 6; A-F only; prereq 2200, art or art ed major or art minor or instr consent)</td>
</tr>
<tr>
<td>3300 2-D Digital Design</td>
<td>3</td>
<td>(A-F only; prereq Credit will not be granted if credit has been received for: [100], 1006 or 1009 or 1011, art or art ed major or art minor or instr consent)</td>
</tr>
<tr>
<td>3400 Ceramics II</td>
<td>3</td>
<td>(max cr 6; A-F only; 2400 or instr consent)</td>
</tr>
<tr>
<td>3425 Ceramics II: Wheel Throwing</td>
<td>3</td>
<td>(A-F only; prereq 2400, art or art ed major or art minor or instr consent)</td>
</tr>
<tr>
<td>3600 Photography II: Alternative Processes and Film</td>
<td>3</td>
<td>(max cr 6; A-F only; prereq 1012, 2600 or 1607 and art or art ed major or art or photography minor or instr consent)</td>
</tr>
</tbody>
</table>

This information is accurate as of: 2/17/2009
4600 Photography III: Digital Portfolio  
(max crs 9; 3 repeats allowed; A-F only; prereq 4900 or 4922 or instr consent; no Grad School cr)

4644 001 LEC, 02:00pm-03:50pm MW, Cina 16;  
Glashow, Gloria DeFilippis, 2 cr

4650 Photography IV: Alternative Processes  
(max crs 6; A-F; prereq 1900, 3600 or 3625, 4600, art or art ed major or art or photography minor or instr consent)

51248 001 STU, 12:00pm-01:50pm TTh, Cina 16;  
3 cr

4907 Individual Study in Photography  
(max crs 9; 3 repeats allowed; A-F only; prereq 4900 or 4922 or instr consent; no Grad School cr)

5388 001 IND; Nitschke, Sarah Chokey, 1-3 cr

5999 Independent Study in Graphic Design  
(max crs 9; 3 repeats allowed; A-F only; prereq; 2 sem work in graphic design and graphic design major or instr consent)

47348 001 IND; Kmetz, Janice D, 1-3 cr

48720 002 IND; Waisman, Mariana Marta, 1-3 cr

53174 003 IND; Dardh, Steve, 1-3 cr

54103 004 IND; Koch, Beth E, 1-3 cr

52710 001 IND; Howell, Jason T, 1-3 cr

4997 Art Museum Internship  
(max crs 12; 4 repeats allowed; A-F only; prereq; 1000, 6 cr for each 45 units work; no Grad School cr, instr consent)

49500 001 IEX, Hudak, Susan Marie; Spooner, Peter F, 1-3 cr

8901 Graduate Seminar  
(max crs 16; 4 repeats allowed; A-F only; Concurrent registration is required (or allowed) for 8900)

47394 001 SEM; Waisman, Mariana Marta, 4 cr

8903 Art Teaching Practicum  
(max crs 4; 2 repeats allowed; A-F only; prereq Grad fch asst or instructor consent)

49998 001 SEM; Waisman, Mariana Marta, 1 cr

8980 Graduate Studio  
(max crs 16; 4 repeats allowed; A-F only; Concurrent registration is required (or allowed) in 8901; Grad student)

47396 001 STU; Waisman, Mariana Marta, 4 cr

ART HISTORY (ArtH) School of Fine Arts

1303 History of World Art  
(A-F only; prereq; Art hist req of LE CAT9)

48724 001 LEC, 02:00pm-03:15pm TTh, SCC 120;  
Degerstrom, Amy, 3 cr

1400 Freshman Seminar: Honors: Paris in the Age of Impressionism  
(A-F only; prereq Freshman, fewer than 30 cr, honors student; meets HON req of Honors; meets LE req of LE CAT9)

54037 001 SEM, 12:00pm-01:15pm MW, ABAB 345;  
Roslak, Robyn, 3 cr

2390 American Art of the 20th Century  
(A-F only; meets LECD req of LECD CAT09)

46166 001 LEC, 09:00am-09:50am MWF, H 319;  
Roslak, Robyn, 3 cr

3331 European Architecture, 1400-1800  
(A-F only)

54038 001 LEC, 11:00am-12:15pm TTh, ABAB 345;  
3 cr

3361 European Art: Impressionism and Post-Impressionism  
(A-F only)

54036 001 LEC, 10:00am-10:50am MWF, ABAB 345;  
Roslak, Robyn, 3 cr

4620 History of Photography  
(A-F only; prereq 2380 or 3370 or art or art ed major or art, photography or communication arts minor or instr consent)

54040 001 LEC, 04:00pm-05:15pm TTh, ABAB 345;  
Brush, Gloria DeFilippis, 3 cr

4999 Senior Paper Art History  
(A-F only; prereq Major in ArtH with 90 cr, instr consent; no Grad School cr)

48728 001 DRS; Roslak, Robyn, 1 cr

54289 002 DRS; Degerstrom, Amy, 1 cr

ASTRONOMY (Ast)  
Swenson College of Science & Engineering

1040 Introductory Astronomy  
(A-F only; prereq LE CAT5)

48612 001 LEC, 12:00pm-12:50pm MWF, LSCI 185;  
(1 hr recitation, 1.5 wks by arr.); Mooers, Howard D, 3 cr

47504 090 LEC; 06:00pm-08:50pm M, LSCI 175;  
(Open CE reserved seats will be available to UMD students on 01/01/09; 36 seats reserved for Continuing Education - EXPRES 01-SEP-2009, 3 cr

47622 350 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 9/01/09.; 2 seats reserved for Continuing Education - EXPRES 01-SEP-2009; Mooers, Howard D, 3 cr

1141 Observational Astronomy  
(A-F only; prereq Phys 102 or instr consent)

51982 002 LAB; Night observing as arranged.;  
Habig, Alec T, Mooers, Howard D, 3 cr

BEHAVIORAL SCIENCES (BhsC) Duluth School of Medicine

5491 Problems in Medical Behavioral Sciences  
(max crs 6; A-F only; prereq Med or upper div or Grad Student, instr consent; max 6 cr to Grad School program)

47264 001 IND; Davis, Gary L; Hovland, Jane, 1-6 cr

6200 Behavioral Medicine  
(P-N; prereq Regis med student)

49988 001 LEC; al'Absi, Mustafa N, 1 cr

BIOCHEMISTRY AND MOLECULAR BIOLOGY (BmCb) Duluth School of Medicine

3194 Biochemistry Undergraduate Research  
(max crs 3, S-N only; prereq instr consent)

53154 001 IND, 1-3 cr

5201 Topics in Biochemistry  
(A-F only; prereq Chem 3322 or Chem 4341 or instr consent)

49884 001 LEC; Prohaska, Joseph R, 3 cr

8151 Biochemistry Seminar  
(max crs 4; 4 repeats allowed; S-Nonly; prereq Biochem or Chem Graduate Student or instr consent)

49586 001 SEM, 04:00pm-05:00pm Th, Room TBA;  
Drewes, Lester R, 1 cr

8294 Current Research Techniques  
(max crs 4; 4 repeats allowed; S-Nonly; prereq Biochem or Grad Student or instr consent)

47250 001 DRS; Smith, Julia Ann; Drewes, Lester R, 1-3 cr

8333 FTE: Master's  
(NGA; prereq Master's student, adviser and DGS consent)

7908 001 DRS; Drewes, Lester R, 1 cr

8444 FTE: Doctoral  
(NGA; prereq Doctoral student, adviser and DGS consent)

47946 001 DRS; Drewes, Lester R, 1 cr

8666 Doctoral Pre-Thesis Credits  
(max crs 12; NG; 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))

47964 001 THE; Drewes, Lester R, 1-6 cr

8777 Thesis Credits: Master's  
(max crs 50; 10 repeats allowed; NG; prereq Max 18 cr per semester or summer; 10 total required (Plan A only))

48000 001 THE; Drewes, Lester R, 1-18 cr

8888 Thesis Credits: Doctoral  
(max crs 100; 10 repeats allowed; NG; prereq Max 18 cr per semester or summer; 24 cr required)

48520 001 THE; Drewes, Lester R, 1-24 cr
101 General Biology I (A-F only; prereq Concurrent registration is allowed for 2201)
### BUSINESS LAW (BLaw)

Labovitz School of Business & Economics

2001 The Legal Environment  
(A-F; preq Min 30 cr.; meets LE req of CAT E)  
51698 001 LEC, 08:00am-08:50am MW, LSB 118; Skalberg, Randy, 3 cr  
51766 002 LEC, 08:00am-09:15am Th, LSB 118, 3 cr  
48510 003 LEC, 03:30pm-04:45pm Th, LSB 118, 3 cr  
3001 Law and Ethics for Financial Professionals  
(Credit will not be granted if credit has been received for 3001 W3101; A-F; preq LSB 313 or dept consent)  
48932 001 LEC, 02:00pm-03:15pm Th, LSB 129; Rolaine, Alan C, 3 cr

### CHEMICAL ENGINEERING (ChE) Swenson College of Science & Engineering

1011 Introduction to Chemical Engineering  
(A-F only; preq High school chem, high school algebra; meets LE req of CAT E)  
46130 001 LEC, 09:00am-10:45am Th, Engr 280; Horabik, Carol, 3 cr  
2001 Introduction to Environmental Engineering  
(A-F only; preq High school chem, Math 1250; meets LE req of CAT E)  
459 001 LEC, 03:00pm-04:50pm Th, Engr 290; Rutkowski, Gregory, 3 cr  
2011 Design of Engineering Experiments  
(A-F only; preq Math 1297)  
51666 001 LEC, 08:00am-09:15am Th, Engr 204; Horabik, Carol, 3 cr  
2111 Material and Energy Balances  
(preq Chem 1151 or Chem 1161)  
45984 001 LEC, 09:30am-10:45am Th, Engr 177; Hasan, A, Rashid, 3 cr  
3111 Fluid Mechanics  
(A-F only; preq Engr 2015, Math 3280)  
45854 001 LEC, 01:00pm-01:50pm MW, Engr 177; Rother, Michael Anthony, 3 cr  
3112 Heat and Mass Transfer  
(Credit will not be granted if credit has been received for: ME 4111 or 4112)  
50466 001 LEC, 03:30pm-04:45pm Th, Engr 177; Rutkowski, Gregory, 3 cr  
3211 Chemical Engineering Laboratory I  
(A-F only; preq 3111)  
49334 001 LAB, 12:00pm-05:00pm T, Engr 204; Meets in Engr 163/165; Hasan, A, Rashid, 3 cr  
51668 002 LAB, 12:00pm-05:00pm Th, Engr 204; Meets in Engr 163/165; Hasan, A, Rashid, 3 cr  
3241 Principles of Particle Technology  
(Credit will not be granted if credit has been received for: CHE 4621; A-F only; preq B.S.Ch.E. candidate, 2111, Phys 2012, Math 3280 or preq consent)  
3791 Independent Study  
(max crs 3; repeats allowed; preq B.S.Ch.E. cand, dept consent)  
48992 002 LAB, 10:00am-11:50am Th, Engr 114; Lodge, Keith B, 3 cr  
48994 003 LAB, 10:00am-11:50am Th, Engr 114; Lodge, Keith B, 3 cr  
49494 004 LAB, 04:00pm-05:00pm Th, Engr 114; Lodge, Keith B, 3 cr  
3894 Chemical Engineering Research  
(max crs 6; repeats allowed; preq B.S.Ch.E. cand, max crs 6 in 3994)  
45956 001 LAB, Sternberg, Steven PK, 3-1 cr  
3951 Cooperative Education  
(max crs 20; 20 repeats allowed; preq B.S.Ch.E. cand, dept consent)  
45996 001 IEK, Davis Richard A, 1-6 cr

### CHEMISTRY (Chem) Swenson College of Science & Engineering

1102 Aspects of Chemistry  
(max crs 4; A-F only; preq Credit will not be granted if credit has been received for: [1113, 1151, 1161 or 2172]; meets LE req of CAT E; max crs 3; 3 repeats allowed; prereq BSChE or instr consent)  
48718 001 LEC, 09:00am-11:00am TTh, Engr 301; Meets with: 48716 CHEM 301, 3 cr  
48716 001 LEC, 02:00pm-03:50pm Th, Chem 301, 3 cr  
52212 010 LEC, 09:00am-09:15am Th, Chem 150; Meets in 204 EB on Mondays; Davis, Richard A, 3 cr  
52213 021 DIS, 09:00am-09:50am Th, Chem 150; Meets in 204 EB on Mondays; Davis, Richard A, 3 cr  
1113 Introduction to General, Organic, and Biological Chemistry I  
(A-F only; preq Credit will not be granted if credit has been received for: [2111, 1161, 2172]; for students terminating study of chemistry with no more than 10 cr; meets LE req of CAT E)  
46122 001 LEC, 09:00am-12:00pm M, Chem 316, 5 cr  
46144 001 LEC, 02:00pm-03:50pm W, Chem 316, 5 cr  
46372 005 LAB, 02:00pm-03:50pm Th, Chem 316, 5 cr  
1151 General Chemistry I  
(A-F only; preq =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 in exercise science or athletic training or teaching life science or teaching earth and space science, or teaching physical science)  
46872 009 LAB, 09:00am-11:00am W, SSB 133, 5 cr  
46870 010 LAB, 12:00pm-12:50pm T, SSB 133, 5 cr  
46822 012 LAB, 09:00am-11:00am Th, SSB 133, 5 cr  
1161 Honors: General Chemistry  
(A-F only; preq Credit will not be granted if credit has been received for: [1151 or 2172]; High school chem and high school algebra, Math ACT 21 or higher or a grade of at least C- in Math 1005, SCSE student in exercise science or athletic training or teaching life science or teaching earth and space science, or teaching physical science; meets HON req of Honors; meets LE req of CAT E)  
46851 001 LEC, 10:00am-10:50am MTWF, Chem 190  
46852 002 DIS, 09:00am-09:50am T, SSB 145  
46850 003 LAB, 02:00pm-04:50pm M, SSB 145, 5 cr  
46856 005 DIS, 09:00am-09:50am Th, SSB 145, 5 cr  
46690 007 LAB, 10:00am-12:50pm T, SSB 145, 5 cr  
46692 009 DIS, 09:00am-09:50am T, SSB 145, 5 cr  
46870 011 LAB, 02:00pm-04:50pm W, SSB 145, 5 cr  
46872 012 LAB, 12:00pm-12:50pm T, SSB 145, 5 cr  
45051 013 LEC, 09:00am-11:00am Th, SSB 133, 5 cr  
1191 Independent Study  
(max crs 4; 4 repeats allowed; A-F only; preq dept consent)  
47014 001 IND, 1-2 cr

### Quantitative Analysis

(A-F only; preq 1162; Concurrent registration is required (or allowed) in 2223)  
46888 001 LEC, 10:00am-10:50am MTWF, LS 175; 3 cr

### Quantitative Analysis Laboratory

(A-F only; preq 1162; Concurrent registration is required (or allowed) in 2223)  
46832 001 LAB, 02:00pm-04:50pm M, Chem 232, 1 cr  
46834 002 LAB, 09:00am-11:00am T, Chem 232, 1 cr  
46836 003 LAB, 02:00pm-04:50pm T, Chem 232, 1 cr  
46838 004 LAB, 02:00pm-04:50pm W, Chem 232, 1 cr  
51406 006 LAB, 09:00am-11:00am Th, Chem 232, 1 cr

This information is accurate as of: 2/17/2009
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COLLEGE OF LIBERAL ARTS (CLA)

College of Liberal Arts

1001 Learning Community Integrative Seminar (Credit will not be granted if credit has been received for: SPP 1000; max crs 2; A-F; prereq of Freshman, fewer than 30 cr; college consent)

1005 001 LEC, 09:00am-11:40am MW, SpHC 312; Hansen, John Francis, 3 cr

1006 001 LEC, 09:00am-12:00pm MWF, SpHC 312; Nelson, Elizabeth Jean, 3 cr

1007 001 LEC, 09:00am-12:00pm MW, SpHC 312; Nelson, Elizabeth Jean, 3 cr

1008 006 LEC, 10:00am-11:50am MW, SpHC 312; Nelson, Elizabeth Jean, 3 cr
Continuing Education

(CnEd)

CONTINUING EDUCATION

8900 Directed Readings

1-2 cr

50478 001 DRD; Maahs, Jeffrey Robert, 1-6 cr

49699 001 LEC; 05:00pm-07:40pm T, Cina 224; 2-3 cr

CRIMINOLOGY (CRIM)

College of Liberal Arts

8100 Criminology and Criminal Justice Systems

(A-F only; prereq Grad student or inst conserv)

49699 001 LEC; 05:00pm-07:40pm T, Cina 224; 2-3 cr

54176 001 LEC; 05:00pm-07:40pm Th, Cina 106; 2-3 cr

8200 Criminology Research Methods and Statistics

(A-F only; prereq Grad student or inst conserv)

49700 001 LEC; 05:00pm-07:40pm W, Cina 224; 2-3 cr

8600 Practicum in Criminology

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

49702 001 FWK; Maahs, Jeffrey Robert, 1-15 cr

8777 Thesis Credits: Master’s

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

48366 001 SEM; 01:00pm-01:50pm MW, HH 306; 2-3 cr

50662 002 SEM, 1 cr

CULTURAL STUDIES (CSI)

College of Liberal Arts

1050 Freshman Seminar: Bodies and Culture Through Film

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

52112 001 SEM; 03:00pm-04:00pm MW, Cina 214; 2-3 cr

1101 Introduction to Cultural Studies

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

48464 001 LEC; 10:00am-11:50am TH, HH 403; 2-3 cr

3100 Popular Culture in the 1960s

(A-F only; prereq Min 30 cr)

54156 090 LEC; 06:00pm-08:40pm T, HH 403; 2-3 cr
4901 Intern Teaching Dance  
(max crs 6; 3 repeats allowed; A-F only; prereq 3201 or 3211 or 3231 or 3231, instr consent; no Grad School credit)  
4906 005 PRC; 3-12 cr  
4904 006 PRC; 3-12 cr  
51442 007 PRC; 3-12 cr  
51446 008 PRC; 3-12 cr  

4991 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 5991 and 5991 combined; no Grad School credit)  
49402 001 IND; Katz Harwood, Rebecca; Bergeron, Ann Aiko, 1-3 cr  

4997 Internship in Professional Dance  
(max crs 12; 12 repeats allowed; A-F only; prepr dept consent; 1 or for each 45 hrs of work; no Grad School credit)  
46138 001 IEX; Bergeron, Ann Aiko; Katz Harwood, Rebecca, 1-12 cr  

ECONOMICS (Econ)  
Labovitz School of Business & Economics  
1022 Principles of Economics: Macro  
(A-F only; prepr Min 15 cr or dept consent; meets LE req of LE CAT6)  
46101 001, 10:00am-10:50am MWF, LSBE 118;  
Albuquerque, Pedro H, 3 cr  
46104 002, 12:00pm-12:50pm MWF, LSBE 118;  
Albuquerque, Pedro H, 3 cr  
47834 003, 02:00pm-02:50pm MWF, LSBE 118;  
Anderson, Curt L, 3 cr  
48103 004, 03:00pm-04:55pm MW, LSBE 118;  
Aubry, Linda, 3 cr  
48203 005, 04:00pm-05:50pm T, MonH 206;  
2 cr  

2030 Applied Statistics for Business and Economics  
(A-F only; prepr Credit will not be granted if credit has been received for: [Econ 2020, Stat 1411, Stat2411, Stat3151, PSY3020], min 30 cr)  
48846 001, 10:00am-10:50am MWF, LSBE 125;  
(LSBE students); Meets with: 48850 ECON 2030, 48848 ECON 2030; Doorn, David J., 3 cr  
48848 002, 10:00am-10:50am MWF, LSBE 125;  
(Economics majors or minors); Meets with: 48859 ECON 2030, 48844 ECON 2030; Doorn, David J., 3 cr  
48850 003, 10:00am-10:50am MWF, LSBE 125;  
(LSBE students); Meets with: 48848 ECON 2030, 48846 ECON 2030; Doorn, David J., 3 cr  
48850 004, 11:00am-11:50am MWF, LSBE 125;  
(LSBE students); Meets with: 48854 ECON 2030, 48856 ECON 2030; Tadese, Bedassa, 3 cr  
48854 005, 11:00am-11:50am MWF, LSBE 125;  
(Economics majors or minors); Meets with: 48856 ECON 2030, 48852 ECON 2030; Tadese, Bedassa, 3 cr  
48856 006, 11:00am-11:50am MWF, LSBE 125;  
(NON-LSBE Business Adm or Accounting majors); Meets with: 48854 ECON 2030, 48852 ECON 2030; Tadese, Bedassa, 3 cr  
48858 007, 02:00pm-03:15pm TTh, LSBE 125;  
49146 008, 03:30pm-04:45pm TTh, LSBE 125;  
(LSBE students); Meets with: 48862 ECON 2030, 48860 ECON 2030; Wilmot, Neil, 3 cr  
48860 009, 02:00pm-03:15pm TTh, LSBE 125;  
(Economics majors or minors); Meets with: 48862 ECON 2030, 48858 ECON 2030; Wilmot, Neil, 3 cr  
48862 009, 02:00pm-03:15pm TTh, LSBE 125;  
(LSBE students); Meets with: 48868 ECON 2030, 48868 ECON 2030; Wilmot, Neil, 3 cr  
48866 011, 03:30pm-04:45pm TTh, LSBE 125;  
(Economics majors or minors); Meets with: 48868 ECON 2030, 48864 ECON 2030; Wilmot, Neil, 3 cr  
48868 005 PRC; 3-12 cr  
49048 006 PRC; 3-12 cr  
51442 007 PRC; 3-12 cr  
51446 008 PRC; 3-12 cr  
49046 005 PRC; 3-12 cr  
51442 007 PRC; 3-12 cr  
51446 008 PRC; 3-12 cr  

4610 Professional Issues Seminar in Early Childhood Education  
(prepr ? 4600; no Grad School cr)  
47382 001, 09:00am-12:00pm M, MonH 121, 09/ 26/09-09/26, 09:00am-12:00pm M, MonH 121, 10/24/09-10/24/09, 09:00am-12:00pm M, MonH 121, 11/21/09-11/21/09; (Course meets Saturday, Sept. 26, Oct. 24 and Nov. 21, 2009. Remaining course hours will be conducted on-line.); 1 cr  

4991 Independent Study  
(max crs 6; 6 repeats allowed; A-F only; prepr instr consent; no Grad School cr)  
47518 001 IND; 1-6 cr

This information is accurate as of: 2/17/2009
EDUCATIONAL ADMINISTRATION (EdAd)
College of Education & Human Service Professions

912 Supervision of Teachers and School Staff
(A-F only; prereq EdAd lic program or collegiate grad program admission or instr consent; no Grad School cr)
54085 001 LEC, 02:45pm-07:00pm S, MonH 151, 09/19/09-09/19/09, 02:45pm-07:00pm S, MonH 151, 10/02/09-10/02/09, 02:45pm-07:00pm S, MonH 151, 11/21/09-11/21/09; (Course meets on Saturday, Sept. 19, Oct. 24, Nov. 21, 2009. Additional course hours will be required in an on-line learning environment.);

916 Curriculum and Instruction Assessment
(A-F only; prereq EdAd lic program or collegiate grad program admission or instr consent; no Grad School cr)
54086 001 LEC, 08:00am-02:30pm S, MonH 151, 09/19/09-09/19/09, 08:00am-02:30pm S, MonH 151, 10/02/09-10/02/09, 08:00am-02:30pm S, MonH 151, 11/21/09-11/21/09; (Course meets on Saturday, Sept. 19, Oct. 24, and Nov. 21, 2009. Additional course hours will be required in an on-line learning environment.);

9213 Leadership
(A-F only; prereq EdAd lic program or collegiate grad program admission or instr consent; no Grad School cr)
54087 001 LEC, 12:00pm-06:30pm Su, MonH 151, 09/20/09-09/20/09, 12:00pm-06:30pm Su, MonH 151, 10/25/09-10/25/09, 12:00pm-06:30pm Su, MonH 151, 11/22/09-11/22/09; (Course meets on Sunday, Sept. 20, Oct. 25, and Nov. 22, 2009. Additional course hours will be required in an on-line learning environment.);

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

799 CHEEPS Masters Active Status
(20 repeats allowed; NGA; prereq Med or MSpEdstudents only)
49674 001 IND, 0 cr

990 Research Project
(max crs 12; 12 repeats allowed; S-N; prereq No Grad School cr)
50008 001 LEC, Damme, Susan R, 1-12 cr
47542 002 LEC, Riordan, Kim E, 1-12 cr
47543 003 LEC, Shannon, Terrie M, 1-12 cr
47546 004 LEC, Gliszinski, Daniel Joseph, 1-12 cr
47548 005 LEC, Minkkinden, Molly H, 1-12 cr
47550 006 LEC, Williams, Julia M, 1-12 cr
47554 008 LEC, Ensminger, Julia Ann, 1-12 cr
47556 010 LEC, Munson PhD, Bruce H, 1-12 cr
47558 011 LEC, Kwako, Joan, 1-12 cr
47562 012 LEC, Gilbertson, Kenneth Lloyd, 1-12 cr
47563 013 LEC, Gliszinski, Daniel Joseph, 1-12 cr
47564 014 LEC, Nierengarten, Mark Edward, 1-12 cr
49630 015 LEC, Hermes, Mary Rose, 1-12 cr
49992 016 LEC, Millsagye, Duane G, 1-12 cr
50742 017 LEC, Marchel, Mary A, 1-12 cr
51826 018 LEC, Haralson, Lita, 1-12 cr
51828 019 LEC, 1-12 cr

EDUCATION, SECONDARY (EdSe)
College of Education & Human Service Professions

3204 Designing Learning Environments and Lessons
(A-F only; prerequisite Admission to EdSe program)
54092 001 PRC, 08:00am-09:50am MW, MonH 108; (additional course hours will be required in an on-line learning environment);
54093 002 PRC, 02:00pm-03:50pm MW, MonH 108; (additional course hours will be required in an on-line learning environment);

This information is accurate as of: 2/17/2009

University of Minnesota - Class Schedule for Duluth Campus Fall 2009
Environment 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])
54024 001 LEC, 02:00pm-03:50pm MWF, SpHC 208; Ernst, Julie Ann, 4 cr

3341 Field Interpretive Techniques I (A-F only; prereq: Credit will not be granted if credit has been received for: [REC 3341], Rec 2300 or instr consent)
47230 001 LEC, 02:00pm-04:50pm W, SpHC 9; Course includes off campus field trip.; Beery, Thomas Harold, 3 cr

4163 Outdoor Education Methods (A-F only; prereq: Credit will not be granted if credit has been received for: [Educ 4163], Rec 3342 or instr consent; no Grad School cr)
54022 001 LEC, 02:00pm-04:50pm Th, SpHC 9A; Course includes weekend field trip.; Bates, Timothy Alan, 3 cr

3159 Operations and Management (A-F only; prereq: 2300 or instr consent; no Grad School credit)
47232 001 LEC, 09:00am-09:50am MWF, SpHC 9; Gilbertson, Kenneth Lloyd, 4 cr

4410 Ropes Course Management (A-F only; prereq: Credit will not be granted if credit has been received for: [Rec 4410], Rec 2300 or instr consent; no Grad School cr)
50774 001 LEC, 01:00pm-04:00pm T, SpHC 9A; Course meets off campus after 1st week.; Zmudy, Mark Howard, 3 cr

4601 Wilderness Philosophy (A-F only; prereq: Credit will not be granted if credit has been received for: [Educ 4601], No Grad School cr)
48570 001 LEC, 06:00pm-07:50pm M, SpHC 207; Course includes weekend field trip.; Beery, Thomas Harold, 2 cr

4996 Outdoor Education Internship (S-N only; prereq: Credit will not be granted if credit has been received for: [Rec 4996], Rec 2300 or instr consent; no Grad School cr)
47234 001 IEX, Beery, Thomas Harold, 12 cr

5163 Outdoor Education Methods (A-F only; prereq: Grad or pe cand or instr consent)
50182 001 LEC, 02:00pm-04:50pm Th, SpHC 9A; Meets with: 54022 ENED 4163; Gilbertson, Kenneth Lloyd; Bates, Timothy Alan, 3 cr

5165 Theories and Models in Outdoor Education (A-F only; prereq: Credit will not be granted if credit has been received for: [Educ 5165], instr consent; no Grad School cr)
50186 001 LEC, 01:30pm-02:50pm M, SpHC 9A; Meets with: 54022 ENED 4163; Gilbertson, Kenneth Lloyd; Bates, Timothy Alan, 2 cr

8580 Classroom Applications (A-F only; prereq: Credit will not be granted if credit has been received for: [Grad School credit])
49684 001 LEC, 01:30pm-02:50pm M, SpHC 212; OFFCMP; (Wolf River Environmental Learning Center Certificate Course); Ernst, Julie Ann, 2 cr
This information is accurate as of: 2/17/2009
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1101</td>
<td>Beginning German I</td>
<td>Halkins, Charlene Gail</td>
<td>3 cr</td>
<td>10:00am-10:50am</td>
<td>MTHF H 490; Zinn, Gesa, 4 cr</td>
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<td>1201</td>
<td>Intermediate German I</td>
<td>Halkins, Charene Gail</td>
<td>3 cr</td>
<td>11:00am-11:50am</td>
<td>MTHF H 490; Hylenski, Kristen, 4 cr</td>
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<tr>
<td>2301</td>
<td>Advanced German</td>
<td>Halkins, Charene Gail</td>
<td>3 cr</td>
<td>12:00pm-12:50pm</td>
<td>MTHF H 490; Hylenski, Kristen, 4 cr</td>
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<td>3405</td>
<td>German Literature until 1832</td>
<td>Halkins, Charene Gail</td>
<td>3 cr</td>
<td>08:00am-08:50am</td>
<td>MTHF H 490; Hylenski, Kristen, 4 cr</td>
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**Health (Hlth)**

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<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
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<tbody>
<tr>
<td>1102</td>
<td>Beginning German I</td>
<td>Halkins, Charlene Gail</td>
<td>3 cr</td>
<td>10:00am-10:50am</td>
<td>MTHF H 490; Zinn, Gesa, 4 cr</td>
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<tr>
<td>1201</td>
<td>Intermediate German I</td>
<td>Halkins, Charene Gail</td>
<td>3 cr</td>
<td>11:00am-11:50am</td>
<td>MTHF H 490; Hylenski, Kristen, 4 cr</td>
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**Graduate School (Grad)**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1100</td>
<td>Health and Wellness Strategies for Life</td>
<td>Halkins, Charene Gail</td>
<td>3 cr</td>
<td>08:00am-08:50am</td>
<td>MTHF H 490; Hylenski, Kristen, 4 cr</td>
</tr>
<tr>
<td>1470</td>
<td>Human Nutrition</td>
<td>Halkins, Charlene Gail</td>
<td>3 cr</td>
<td>10:00am-10:50am</td>
<td>MTHF H 490; Zinn, Gesa, 4 cr</td>
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<tr>
<td>49500</td>
<td>001 LEC, 10:00am-10:50am MWF, MonH 80; Halkins, Charene Gail, 3 cr</td>
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<tr>
<td>49502</td>
<td>002 LEC, 02:00pm-02:50pm MWF, LSci 185; Halkins, Charene Gail, 3 cr</td>
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<tr>
<td>53176</td>
<td>350 LEC, Online INI - Class runs 15 wks. Students must register by 09/08/09 and complete all requirements by 12/16/09. No exceptions. Students must access initial course information at <a href="http://www.umn.edu/goto/ini">http://www.umn.edu/goto/ini</a>. Click on “Getting Started After Registration” to begin. Open CE reserved seats will be available to UMD students on 09/01/09; 2 seats reserved for Continuing Education - EXPIRES 01-SEP-2009; Halkins, Charene Gail, 3 cr</td>
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**Health Care Management (HCM)**

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<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
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<tbody>
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<td>1040</td>
<td>Health Science Terminology</td>
<td>Halkins, Charene Gail</td>
<td>3 cr</td>
<td>02:00pm-02:50pm</td>
<td>MTHF H 490; Zinn, Gesa, 4 cr</td>
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<tr>
<td>45928</td>
<td>200 INI: Web-enhanced course curriculum delivered online; students must take tests on campus. Tests will be administered in Humanitites 470 on Tuesdays at 11:00 am during fall term. Contact instructor to arrange alternate test times. This course uses various features of WebCT, a course management system. Students must access initial course information at <a href="http://www.umn.edu/goto/ini">www.umn.edu/goto/ini</a>. Click on “Getting Started After Registration” to begin. Open CE reserved seats will be available to UMD students on 09/01/09; 2 seats reserved for Continuing Education - EXPIRES 01-SEP-2009; Skrbich, Karen O, 1-3 cr</td>
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This information is accurate as of: 2/17/2009

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23
HEALTH, PHYSICAL EDUCATION AND RECREATION (HPER)
College of Education & Human Service Professions

3100 Risk Management
(A-F only; prereq exer sci or rec cand or instr consent)
3094 001 LEC, 12:00pm-12:50pm TTh, SPHC 212; 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 instr consent)
4776 001 LEC, 02:00pm-03:15pm TTh, SPHC 210; Keeney Ed. Georgia Lynn, 3 cr

HISTORY (Hist)
College of Liberal Arts

1208 Europe in the Modern Age
(A-F only; meets LEQ req of LE CAT7)
54145 001 LEC, 10:00am-10:50am MWF, ABAB 225; Yelengi, Nkasa Tekilaz, 3 cr
48322 090 LEC, 06:00pm-08:40pm W, MonH 203; (Open seats will be available to UMD students on 09/01/09, 16 seats reserved for Continuing Education - EXPIRES 01-SEP-2009, Pogorelskin, Alexis E, 3 cr

3246 History of Hollywood
(A-F only)
54173 001 LEC, 06:00pm-08:50pm T, MonH 203; Pogorelskin, Alexis E, 3 cr

3257 Modern France
(A-F only)
54175 001 LEC, 02:00pm-02:50pm MWF, ABAB 225; Yelengi, Nkasa Tekilaz, 3 cr

3333 From Homer to Alexander: Archacal and Classical Greece
(A-F only; prereq Credit will not be granted if credit has been received for: [HisCi 3333])
54181 001 LEC, 06:00pm-08:50pm W, ABAB235; Fang, Qiang, 1-4 cr

3365 American Culture and Globalization
(A-F only)
54184 001 LEC, 02:00pm-02:50pm MWF, ABAB 235; Trolander, Judith A, 3 cr

3463 History of Modern China
(A-F only)
54192 001 LEC, 06:00pm-08:50pm T, ABAB445, 3 cr

3505 Colloquium for Majors
(max crs 2; S-N only; prereq Hist or teaching soc studies major or minor, attendance at 5 dept- approved lectures/discussions over 1-yr period; reg only during semester of 5th lect; 1 cr for attendance; 2 cr for attendance, presentation))
46202 001 COL, 03:00pm-03:50pm W, ABAB225; Matthews, Steve, 1-2 cr

3725 Islamic History from Muhammad to the Ottomans
(A-F only; prereq 1027 or 2525 or instr consent)
48666 001 LEC, 02:00pm-03:15pm T Th, ABAB235; Stanfield-Johnson, Rosemary, 3 cr

3726 Modern Middle East: 18th Century-Present
(A-F only)
54195 001 LEC, 06:00pm-08:50pm Th, ABAB235; Fang, Qiang, 3 cr

3905 Special Topics: (Various Titles to be Assigned)
(max crs 12; 3 repeats allowed; A-F only; prereq instr consent)
54197 001 LEC, 09:39am-10:45am T Th, ABAB235; Stanfield-Johnson, Rosemary, 3 cr

9095 History Seminar
(max crs 8; A-F only; prereq instr consent)
54198 001 SEM, 03:00pm-03:50pm MWF, ABAB 225; Laderman, Scott, 4 cr

HONORS (Hon)
UMD-Academic Administration

400 Honors Capstone Seminar
(S-N; prereq Honors student; meets HON req of Honors)
50480 001 DRS, 04:00pm-05:30pm W, LSBE 225, 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 eng student or ind eng student and Math 1260 or 1356 or instr consent)
50121 001 LEC, 09:00am-10:50am MW, Engr 204; meets in 2425; Keranen, David J., 4 cr
48334 002 LAB, 09:00am-09:50am F, Engr 204, 09:00am-10:50am F, VKH 158; Class meets in ENG 240; Keranen, David J., 4 cr
48333 003 LAB, 09:00am-10:50am F, VKH 158; Class meets in ENG 240; Keranen, David J., 4 cr
51203 004 LAB, 03:00pm-04:50pm F, Engr 204, 03:00pm-04:50pm F, VKH1158; meets in 240 Engr; Keranen, David J., 4 cr

3115 Operations Research
(A-F only; prereq Math 3280, Stat 3411, BSIE candidate or instr consent)
47016 001 LEC, 08:00am-09:50am TTh, Chem 155; Johnson, Thys B, 4 cr

3122 Materials Engineering Laboratory
(A-F; prereq 1225, 3130)
50121 001 LEC, 01:00pm-01:50pm M, VKH 221; Dyke, Jake, 4 cr
51198 002 LAB, 10:00am-11:50am T, VKH 168; Dyke, Jake, 2 cr
51200 003 LAB, 01:00pm-02:50pm T, VKH 168; Dyke, Jake, 2 cr
51202 004 LAB, 03:00pm-04:50pm T, VKH 168; Dyke, Jake, 2 cr
51204 005 LAB, 2 cr
51206 006 LAB, 10:00am-11:50am Th, VKH 168; Dyke, Jake, 2 cr

3125 Engineering Economic Analysis
(A-F only; prereq Stat 3411, BSIE or BSME or BSCE cand or instr consent)
47012 001 LEC, 10:00am-10:50am MWF, Engr 177; Zierden, Heidi Sue, 3 cr

3130 Materials Processing Engineering
(A-F; prereq BSIE or BSME, Grad School credit)
51210 001 LEC, 09:00am-09:50am MWF, VKH221; Rosandich PhD, Ryan G, 3 cr

3140 Human Factors and Ergonomic Design
(Credit will not be granted if credit has been received for: IE 3105; A-F; prereq B.S.I.E. candidate or instr consent)
51210 001 LEC, 11:00am-11:50am MWF, Chem 155; Louishine, Todd William, 3 cr

4115 Facility Planning and Simulation
(A-F only; prereq 4010, 4020, BSIE candidate)
47006 002 LAB, 10:00am-11:50am F, Engr 204; Chen, Hongyi, 4 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 credit)
47350 001 IE, Enemuoh, Emmanuel U, 1 cr

4222 Systems Integration Laboratory
(Credit will not be granted if credit has been received for: IE 4235; A-F; prereq Concurrent registration is required (or allowed) in 4230 or dept consent, no Grad School credit)
51202 001 LEC, 10:00am-11:50am MWF, WSCE 440; Enemuoh, Emmanuel U, 1 cr

4230 Systems Integration
(A-F; prereq 4020 or ME 3140, ECE 2006, CS 1121 or CS 1131 or CS 1511 or CS 2121, BSIE cand or instr consent)
51276 001 LEC, 01:00pm-01:50pm MWF, LSBE 165; Rosandich PhD, Ryan G, 3 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)
51202 001 LEC, 03:00pm-04:50pm M, LSBE 265; Enemuoh, Emmanuel U; Lindeke, Richard R, 4 cr
49718 002 LAB, 01:00pm-04:50pm Th, Engr 260; Meets with: 49720 ME 4255, Enemuoh, Emmanuel U, Lindeke, Richard R, 4 cr

4491 Independent Study
(max crs 4; 4 repeats allowed; A-F only; prereq BSIE or BSME cand, dept consent)
43752 001 IND, 1-4 cr

4993 Industrial Engineering Seminar
(max crs 2; S-N only; prereq BSIE or BSCE or BSME or BSIE cand or instr consent; no Grad School credit)
48670 001 LEC, 12:00pm-12:50pm M, VKH221; Class meets in VKH 221 with EMgt 8993.; Meets with: 49532 EMGT 8993; Loushine, Todd William, 1 cr

5335 Engineered Products and Services
(preeq BSIE or MSEM candidate, instr consent)
54261 001 LEC, 06:00pm-08:40pm T, Engr 280; Keranen, David J., 3 cr

This information is accurate as of: 2/17/2009
### INTEGRATED BIO SCIENCES (IBS)
Swenson College of Science & Engineering

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### INTERNATIONAL STUDIES (IS)
College of Liberal Arts

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

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

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### JOURNALISM (Jour)
College of Liberal Arts

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### LANGUAGES (Lang)
College of Liberal Arts

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### MANAGEMENT STUDIES (MgtS)
Labovitz School of Business & Economics

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### LIMNOLOGY (Lim)
Swenson School of Science & Engineering

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### LINGUISTICS (Ling)
College of Liberal Arts

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### University of Minnesota - Class Schedule for Duluth Campus  
**Fall 2009**

#### 4831 Compensation Systems

- **4861 International Human Resource Management**  
  - **Course Code**: AF 3801  
  - **Title**: LSEB 135; Rubenfeld, Stephen A, 3 cr

#### 4481 Strategic Management

- **4472 Entrepreneurship**  
  - **Course Code**: AF 3701  
  - **Title**: LSEB 135; Castleberry, Stephen Byron, 3 cr

#### 4475 Negotiations, Bargaining and Conflict Resolution

- **4478 Developing and Marketing New Products**  
  - **Course Code**: AF 3741  
  - **Title**: LSEB 135; Moore, Bill, 3 cr

#### 4472 Advertising and Marketing Communications

- **4471 Business-to-Business Marketing**  
  - **Course Code**: AF 3781  
  - **Title**: LSEB 135; Kratz, John L, 3 cr

#### 4781 Marketing Management and Strategy

- **4782 Marketing Management and Strategy**  
  - **Course Code**: AF 3797  
  - **Title**: LSEB 135; Liang, Xin, 3 cr

#### 5391 The Impact of Art on Social Change

- **5390 Political Process and Public Policy**  
  - **Course Code**: AF 3771  
  - **Title**: LSEB 135; Borchert, Patricia S., 3 cr

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**MARTKOV (MKTG) Labovitz School of Business & Economics**

#### 3701 Principles of Marketing

- **3711 Marketing Research**  
  - **Course Code**: AF 3711  
  - **Title**: LSEB 135; Castleberry, Stephen Byron, 3 cr

#### 3712 Fundamentals of Selling

- **3781 International Marketing**  
  - **Course Code**: AF 3781  
  - **Title**: LSEB 135; Castleberry, Stephen Byron, 3 cr

#### 3791 Independent Study

- **3797 Marketing Internship**  
  - **Course Code**: AF 3797  
  - **Title**: LSEB 135; Stein, Paul, 3 cr

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**POLITICAL LEADERSHIP (MAPL)**

#### 5111 Labor Organizing

- **5108 Consumer Behavior**  
  - **Course Code**: AF 4731  
  - **Title**: Mktg 3701 or Mktg 3711; 1 other Mktg course, 90 cr, LSBE cand or grad or intern consent

#### 5106 Labor Organizing

- **5107 Political and Advocacy Leadership**  
  - **Course Code**: AF 4731  
  - **Title**: Mktg 3701 or Mktg 3711; 1 other Mktg course, 90 cr, LSBE cand or grad or intern consent

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**College of Liberal Arts**

#### 5111 Labor Organizing

- **5108 Consumer Behavior**  
  - **Course Code**: AF 4731  
  - **Title**: Mktg 3701 or Mktg 3711; 1 other Mktg course, 90 cr, LSBE cand or grad or intern consent

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**Master in Advocacy and Political Leadership (MAPL)**

#### 5111 Labor Organizing

- **5108 Consumer Behavior**  
  - **Course Code**: AF 4731  
  - **Title**: Mktg 3701 or Mktg 3711; 1 other Mktg course, 90 cr, LSBE cand or grad or intern consent

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**This information is accurate as of: 2/17/2009**
University of Minnesota - Class Schedule for Duluth Campus

Fall 2009

6003 Civic Engagement and Politics (prereq MAPL or Collegiate Grad student status or Grad School student status or instr consent) 49766 001 LEC, 11:00-11:50am MWF, Room TBA, DULUTH, 08/01/09-12/31/09; For second semester MAPL students only.; Limsande, Jennifer, 3 cr

6004 Political Organizing and Communication (prereq MAPL or Grad School or Collegiate Grad student or instr consent) 49764 001 LEC, 08:45am-11:45am S, Room TBA, DULUTH, 08/01/09-12/31/09; For third semester MAPL students only.; Limsande, Jennifer, 3 cr

6008 Advocacy Internship 50224 001 IEX, 08/01/09-12/31/09, instruction mode: Distance Education and On-Site; For MAPL students only.; Vaidyanathan, Rajiv, 5 cr

6009 Advocacy Internship (max crs 4-5; only prereq MAPL or instr consent, no Grad School cr) 50224 001 IEX, 08/01/09-12/31/09, instruction mode: Distance Education and On-Site; For MAPL students only.; Limsande, Jennifer, 4 cr

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

8111 Business, Government, and Society (A-F only; prereq MBA student or college consent) 51690 001 LEC, 06:00pm-08:00pm T, LSBE 223, 09/08/09-11/10/09; Castleberry, Sr, Stephen Byron, 2 cr

1290 Calculus for the Natural Sciences (Credit will not be granted if credit has been received for: MATH 1290, MATH 1596H, MATH 1606; 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) 50101 001 LEC, 11:00am-11:50am MWF, MonH 70; Limsande, Carmen Marie, 4 cr

1160 Finite Mathematics and Introduction to Calculus (A-F only; prereq Math ACT 23 or higher or a grade of at least C in Math 1005 or dept consent) 48452 004 LEC, 04:00pm-04:55pm TTH, SBE 32; Geng, Wencheng, 5 cr

1161 Mathematics for Elementary Education (A-F only; prereq Pre-elem educ major, math ACT 22 or higher or a grade of at least C- in Math 1005 or dept consent) 49766 001 LEC, 08:00am-08:50am MWF, Room TBA, DULUTH, 08/01/09-12/31/09; For second semester MAPL students only.; Limsande, Jennifer, 3 cr

1170 Calculus I (Credit will not be granted if credit has been received for: MATH 1290, MATH 1596H, MATH 1606; 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) 50531 006 DIS, 02:00pm-02:50pm TTH, KPlz 312; Zhang, Nan, 4 cr

1171 Calculus II (Credit will not be granted if credit has been received for: MATH 1290, MATH 1596H, MATH 1606; 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) 50531 005 DIS, 04:00pm-04:50pm TTH, Cina 106; Liu, Humin, 4 cr

1172 Calculus III (Credit will not be granted if credit has been received for: MATH 1290, MATH 1596H, MATH 1606; 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) 50392 010 DIS, 10:00am-10:50am TTH, MWAH 197; Korinkova, Kristyna, 4 cr

1173 Calculus IV (Credit will not be granted if credit has been received for: MATH 1290, MATH 1596H, MATH 1606; 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) 50420 014 DIS, 10:00am-10:50am TTH, ROCHESTER, 12/09/09-12/09/09; For second semester MAPL students only.; Roskoski, Kyle James, 5 cr

1174 Calculus V (Credit will not be granted if credit has been received for: MATH 1290, MATH 1596H, MATH 1606; 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) 50420 015 DIS, 10:00am-10:50am TTH, ROCHESTER, 12/09/09-12/09/09; For third semester MAPL students only.; Roskoski, Kyle James, 5 cr

This information is accurate as of: 2/17/2009
### University of Minnesota - Class Schedule for Duluth Campus Fall 2009

#### 1596 Honors: Calculus I
(credit will not be granted if credit has been received for: MATH 1209, MATH 1219, MATH 1596; A-F only: prerequisite 1250 or 3 or 1/2 years high school mathematics including trigonometry, dept consent: meets HON req of Honors: meets LE req of CAT2)

#### 3260 Introduction to Linear Algebra and Mathematical Reasoning
(A-F only: prerequisite 1290 or 1296 or 1596)

#### 3097 Independent Study
(max crs: 8; repeats allowed: A-F only; prerequisite dept consent)

#### 2326 Introduction to Linear Algebra and
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Schedule Details</th>
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<tr>
<td>3260</td>
<td>Introduction to Linear Algebra and</td>
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<tr>
<td></td>
<td>Mathematical Reasoning</td>
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<td>3097</td>
<td>Independent Study</td>
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<tr>
<td>2326</td>
<td>Introduction to Linear Algebra and</td>
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<tr>
<td></td>
<td>Mathematical Reasoning</td>
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<tr>
<td>3097</td>
<td>Independent Study</td>
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#### 8890 Graduate Seminar
(A-F only: prerequisite Instructor consent)

#### 3855 Discrete Mathematics
(A-F only: prerequisite 1297 or 1597 or instr consent)

#### 3268 Linear Algebra
(A-F only: prerequisite A grade of at least C- in 3280, 3355, or Grad School Credit)

#### 3921 Elementary Real Analysis
(A-F only: prerequisite Credit will not be granted if credit has been received for: 3299; prerequisite 3280, 3355, or Grad School Credit)

#### 3267 Real Variables
(A-F only: prerequisite 4201)

#### 3269 Dynamical Systems
(prequisite 3280)

#### 3585 Graph Theory
(A-F only: prerequisite 3355 or instr consent)

#### 3731 Abstract Algebra I
(A-F only: prerequisite 3355 or 4326 or 3280, teaching math major cannot be used for math major elective; no Grad School Credit)

#### 3330 Numerical Analysis: Approximation and Quadrature
(prequisite 3280 or 4326, proficiency in FORTRAN or C or C++)

#### 3991 Independent Study
(max crs: 8; repeats allowed: A-F only; prerequisite dept consent: max 6 cr to a Grad School program)

#### 8890 Graduate Seminar
(A-F only: prerequisite Instructor consent)

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

#### 2105 Introduction to Material Science for Engineers
(A-F only: prerequisite Credit will not be granted if credit has been received for: [ME 2105], Chem 1151, Concurrent registration is required or (allowed) in Eng 2015 or instr consent.)

#### 5111 Fluid Mechanics
(A-F only: prerequisite Engr 2026, BSME or BSChE card or instr consent; Credit will not be granted if credit has been received for: [CHE 2111])

#### 3140 System Dynamics and Control
(A-F only: prerequisite 251125 or 1111 or 1211 or 2111, ECE 2006, Math 3280, BSME card or instr consent)

#### 3211 Thermodynamics
(A-F only: prerequisite Phys 2012, ME 3111, BSME card or instr consent)

#### 4809 Graduate Seminar
(A-F only: prerequisite 08:00am-08:50am MWF, Chem 251; Lindke, Richard R, 3 cr)

<table>
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<tr>
<th>Course Code</th>
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<th>Instructor</th>
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<th>Schedule Details</th>
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<tr>
<td>2105</td>
<td>Introduction to Material Science for</td>
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<td>Engineers</td>
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<tr>
<td>5111</td>
<td>Fluid Mechanics</td>
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<td>3140</td>
<td>System Dynamics and Control</td>
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<tr>
<td>3211</td>
<td>Thermodynamics</td>
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<td>4809</td>
<td>Graduate Seminar</td>
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### University of Minnesota - Class Schedule for Duluth Campus

**Fall 2009**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Instructor, CRs</th>
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<tbody>
<tr>
<td>5120</td>
<td>Nondestructive Evaluation of Engineering Materials (A-F; prereq 3140)</td>
<td>Enemuoh, 3 cr</td>
<td>02:00-02:50pm MWF, BohH 346</td>
</tr>
<tr>
<td>49570</td>
<td>001 SEM; Wittmers Jr, Lorentz E, 1-2 cr</td>
<td></td>
<td>01:00-01:50pm MWF, BohH 221</td>
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<tr>
<td>5292</td>
<td>Readings in Physiology (max cr 3; prereq instr consent)</td>
<td></td>
<td>08:00-08:50am TTh, VH 162</td>
</tr>
<tr>
<td>52372</td>
<td>001 IND, 1-3 cr</td>
<td></td>
<td>01:00-01:50pm MWF, BohH 221</td>
</tr>
<tr>
<td>5294</td>
<td>Research in Physiology (max cr 15; prereq instr consent)</td>
<td></td>
<td>08:00-08:50am TTh, VH 162</td>
</tr>
<tr>
<td>52374</td>
<td>001 DRD, 1-15 cr</td>
<td></td>
<td>01:00-01:50pm MWF, BohH 221</td>
</tr>
<tr>
<td>1112</td>
<td>Ear-Training and Sight-Singing I (A-F; prereq Credit will not be granted if credit has been received for: [Th 1114, Mu 1111], Music major or musical theatre major or dept consent, Concurrent registration is required (or allowed in 1011))</td>
<td></td>
<td>01:00-01:50pm MWF, BohH 346</td>
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**MEDICAL AND MOLECULAR PHYSIOLOGY (Psh)**

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<th>Course Title</th>
<th>Instructor, CRs</th>
<th>Time, Location</th>
</tr>
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<tbody>
<tr>
<td>5991</td>
<td>Independent Study in Mechanical Engineering (max crs 6; 6 repeats allowed; prereq MSEM can, dept consent)</td>
<td></td>
<td>01:00-01:50pm MWF, BohH 221</td>
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<tr>
<td>51226</td>
<td>001 IND, 1-4 cr</td>
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<td>01:00-01:50pm MWF, BohH 221</td>
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**MUSIC (Mu)**

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<tr>
<td>47952</td>
<td>001 DRS, 1 cr</td>
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<td>01:00-01:50pm MWF, BohH 221</td>
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<tr>
<td>8444</td>
<td>FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)</td>
<td></td>
<td>08:00-08:50am TTh, VH 162</td>
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<tr>
<td>47952</td>
<td>001 DRS, 1 cr</td>
<td></td>
<td>08:00-08:50am TTh, VH 162</td>
</tr>
<tr>
<td>47968</td>
<td>001 THE, 1-6 cr</td>
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<td>08:00-08:50am TTh, VH 162</td>
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<tr>
<td>3998</td>
<td>Human Biology and Behavior Topics (max crs 12; 12 repeats allowed; prereq instr consent)</td>
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<td>08:00-08:50am TTh, VH 162</td>
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<tr>
<td>5401</td>
<td>001 LEC, 1 cr</td>
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<td>08:00-08:50am TTh, VH 162</td>
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**MEDICINE (Med)**

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<th>Course Code</th>
<th>Course Title</th>
<th>Instructor, CRs</th>
<th>Time, Location</th>
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</thead>
<tbody>
<tr>
<td>4196</td>
<td>Independent Study in Mechanical Engineering (max crs 4; 4 repeats allowed; prereq Sr standing in engineering discipline, instr consent)</td>
<td></td>
<td>08:00-08:50am TTh, VH 162</td>
</tr>
<tr>
<td>49524</td>
<td>001 LEC, 11:00am-11:50am MTTHF, MWAH 191; Stauffer PhD, Edward K, 4 cr</td>
<td></td>
<td>01:00-01:50pm MWF, BohH 221</td>
</tr>
<tr>
<td>5294</td>
<td>Research in Physiology (max crs 15; prereq instr consent)</td>
<td></td>
<td>01:00-01:50pm MWF, BohH 221</td>
</tr>
<tr>
<td>52374</td>
<td>001 DRD, 1-15 cr</td>
<td></td>
<td>01:00-01:50pm MWF, BohH 221</td>
</tr>
<tr>
<td>1111</td>
<td>Tonal Harmony I (A-F; prereq Credit will not be granted if credit has been received for: [Mu 1112 or Th 1114], Music major or music minor)</td>
<td></td>
<td>01:00-01:50pm MWF, BohH 221</td>
</tr>
<tr>
<td>5085</td>
<td>Medical Research Ethics, Responsible Conduct of Research (S-N; prereq instr consent , no Grad School cr)</td>
<td></td>
<td>01:00-01:50pm MWF, BohH 221</td>
</tr>
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*This information is accurate as of: 2/17/2009*
1311 Voice
\( (\text{max crs: 18; 12 repeats allowed; A-F only; prereq Music major, dept consent, performance majors register for this class in major instrument only; all others register for 1 cr} ) \)

47024 001 STU; 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Inselman, Rachel Laura; Zona, Regina R; Metts, Calland D; Wold, Stanley R, 1 cr

47598 002 STU; 01:00pm-01:50pm Th, Room TBA; (+ 1/2 hr arr lesson); Rubin, Justin Henry, 3 cr

Class meets in VKH 106; Thielien-Gaffey, Tina; Zona, Regina R; Metts, Calland D; Wold, Stanley R, 2 cr

1312 Voice
\( (\text{A-F only; prereq Non-music major or music major secondary instr; may be repeated} ) \)

47026 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Inselman, Rachel Laura; Kulas, Kate F; Wold, Stanley R; Zona, Regina R; Zimmerman, Mindy Nicole; Thielien-Gaffey, Tina; Metts, Calland D, 1 cr

47592 002 STU; 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson)

Class meets in WMMH 101; Doty, Jeanne Alyce; Chernyshev, Alexander; Rubin, Justin Henry; Wegren, Thomas Joseph, 2 cr

47594 003 STU; 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson)

Class meets in WMMH 101; Doty, Jeanne Alyce; Chernyshev, Alexander; Rubin, Justin Henry; Wegren, Thomas Joseph, 3 cr

1321 Piano
\( (\text{max crs: 18; 12 repeats allowed; A-F only; prereq Music major, dept consent} ) \)

47068 001 STU; 01:00pm-01:50pm Th, WMH 101; (+ 1/2 hr arr lesson); Doty, Jeanne Alyce; Chernyshev, Alexander; Rubin, Justin Henry; Wegren, Thomas Joseph, 1 cr

47596 002 STU; 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Franke, Ryan J, 2 cr

47326 003 STU; 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Franke, Ryan J, 3 cr

1332 Organ
\( (\text{A-F only; prereq Non-music major or music major secondary instr; may be repeated} ) \)

47062 001 STU; (Trumpet) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Rubins, Justin Henry, 1 cr

47066 002 STU; 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Rubin, Justin Henry, 3 cr

1351 Strings
\( (\text{max crs: 18; 12 repeats allowed; A-F only; prereq Music major, dept consent} ) \)

47064 001 STU; 01:00pm-01:50pm Th, H 243; (+ 1/2 hr arr lesson); Anderson, A; Husby, Betsy Margare; Schauer, Joseph M; Perrault, Rudy, 1 cr

47600 002 STU; 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Anderson, A; Husby, Betsy Margare; Schauer, Joseph M; Perrault, Rudy, 3 cr

1352 Strings
\( (\text{max crs: 12; 10 repeats allowed; A-F only; prereq Non-music major or music major secondary instr} ) \)

47090 001 STU; (Violin) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Perrella, Rudy; Anderson, A, 1 cr

47974 002 STU; (Viola) (Student to arrange 1/2 hour weekly lesson in 231 Humanities); Chernyshev, Alexander; Van Brunt, Laurie; Campbell, Jefferson T, 1 cr

47978 003 STU; (Cello) (student to arrange 1/2 hour weekly lesson in 231 Humanities); Husby, Betsy Margare; Schauer, Joseph M; Perrault, Rudy, 3 cr

1353 Harp
\( (\text{max crs: 18; 12 repeats allowed; A-F only; prereq Music major, dept consent} ) \)

47094 001 STU; (+ 1/2 hr arr lesson); Lemire, Janel Marie, 1 cr

47602 002 STU; (+ 1 hr arr lesson); Lemire, Janel Marie, 3 cr

1358 Harp
\( (\text{max crs: 12; 10 repeats allowed; A-F only; prereq Non-music major or music major secondary instr} ) \)

47098 001 STU; (student to arrange 1/2 hr weekly lesson in 231 Humanities); Lemire, Janel Marie, 1 cr

1361 Woodwinds
\( (\text{max crs: 18; 12 repeats allowed; A-F only; prereq Music major, dept consent} ) \)

47102 001 STU; 01:00pm-01:50pm Th, H 160; (+ 1/2 hr arr lesson); Schoen, Theodore A; Scott, Lorie E; Van Brun, Laurie; Campbell, Jefferson T, 1 cr

47904 002 STU; (Oboe) (+ 1/2 hr arr lesson); Bacheller, Jonker, Jacob Peter, 1 cr

47996 003 STU; (Clarinet) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Schoen, Theodore A; Van Brun, Laurie, 1 cr

1362 Woodwinds
\( (\text{max crs: 12; 10 repeats allowed; A-F only; prereq Non-music major or music major secondary instr} ) \)

47106 001 STU; (Flute) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Scott, Lorie E, 1 cr

49796 002 STU; (+ 1/2 hr arr lesson); Campbell, Jefferson T, 1 cr

49800 004 STU; (Saxophone) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Bombardier, Bradley Andrew, 1 cr

49802 005 STU; (Oboe) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Van Brun, Laurie, 1 cr

1371 Brass
\( (\text{max crs: 12; 10 repeats allowed; A-F only; prereq Music major, dept consent} ) \)

47110 001 STU; 01:00pm-01:50pm Th, H 226; (+ 1/2 hr arr lesson); Pfotenhauer, Thomas R; Pospisil, James A; Eaton, Daniel W; Whitlock, Mark Eugene; Chernyshev, Alexander; Van Brunt, Laurie, 1 cr

47606 002 STU; 01:00pm-01:50pm Th, Room TBA; (+ 1 hr arr lesson); Whitlock, Mark Eugene; Chernyshev, Alexander; Van Brunt, Laurie, 3 cr

1372 Brass
\( (\text{max crs: 12; 10 repeats allowed; A-F only; prereq Non-music major or music major secondary instr} ) \)

47212 001 STU; (Trumpet) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Plotenauer, Thomas R, 1 cr

1442 Percussion
\( (\text{A-F only; prereq Music major or instr consent} ) \)

49844 002 STU; (Trombone) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Pospisil, James A, 1 cr

1496 Percussion
\( (\text{A-F only; prereq Music major or instr consent} ) \)

49846 003 STU; (French Horn) (student to arrange 1/2 hr weekly lesson in 231 Humanities); Koshinski, Eugene J, 1 cr

1501 Concert Band
\( (\text{max crs: 12; 10 repeats allowed; A-F only; prereq Instructor determines placement; meets LE req of LE CAT10} ) \)

49758 001 REH; 12:00pm-12:50pm MW, Room TBA; Meets with: 46828 MU 4501; Whitlock, Mark Eugene; Eatmon, Daniel W, 1 cr
This information is accurate as of: 2/17/2009
This information is accurate as of: 2/17/2009
1151 Sea Kayaking
(A-F only)
48086 001 PHY, 02:00pm-05:00pm Th, Aquatic Ce
AQUA CENTER, Carlson, Randall Scott; Kohlin, Patrick Martin, 1 cr

1500 Flatwater Canoeing
(meets LE req of PE)
47226 001 PHY, 08:00am-11:30am M, Aquatic Ce
AQUA CENTER, OFFCMPUMD; 08/09-09/10/09; Class meets in SpHC 9A 1st day.; Zmudy, Mark Howard, 1 cr

1511 Rock Climbing
(meets LE req of PE)
47306 001 PHY, 02:00pm-06:00pm T, SpHC 79, 08/09-09/10/09; Special term: 9/8/09-10/10/09; Webster, Kaiaja Marie, 1 cr
49592 002 PHY, 02:00pm-06:00pm Th, SpHC 79, 08/09-09/10/09; Webster, Kaiaja Marie, 1 cr

1600 Physical Fitness
(meets LE req of PE)
47830 001 PHY, 10:00am-10:50am MW, FH 25;  , 1 cr

1616 Weight Training
(meets LE req of PE)
47290 001 PHY, 09:00am-09:50am Th, SpHC 9; Wendinger, Patricia J, 1 cr

1706 Volleyball
(meets LE req of PE)
47822 001 PHY, 09:00am-09:50am MW, SpHC 150; Wendinger, Patricia J, 1 cr

1901 Varsity Football
(max crs 4; repeats allowed; S-N; prereq instr consent)
47884 001 PHY; Nielson, Robert B, 1 cr

1903 Varsity Soccer
(max crs 4; repeats allowed; S-N; prereq instr consent)
47886 001 PHY; Cane, Greg P, 1 cr

1905 Varsity Basketball
(max crs 4; repeats allowed; S-N; prereq instr consent)
47888 001 PHY; Holquist, Gary W, 1 cr
47896 002 PHY; Wiles, Annette M, 1 cr

1907 Varsity Ice Hockey
(max crs 4; repeats allowed; S-N; prereq instr consent)
47890 001 PHY; Sandelin, Scott A, 1 cr
47898 002 PHY; Miller, Shannon, 1 cr

1913 Varsity Cross Country
(max crs 4; repeats allowed; S-N; prereq instr consent)
47892 001 PHY; Fulkrod, John E, 1 cr

1917 Varsity Volleyball
(max crs 4; repeats allowed; S-N; prereq instr consent)
47894 001 PHY; Boos, Jim, 1 cr

2240 Lifeguarding Today
(prereq Ability to swim 500 yards, instr consent)
47042 001 PHY, 08:00am-09:15am T, SpHC 8, 08:00am-09:15am T, SpHC 20; Batinich, Gregg Anthony, 1 cr

2244 Water Safety Instructor
(A-F only; prereq: 1240, 17 yrs old, knowledge and skill based on Emergency Water Safety
Wendinger, Patricia J, 1 cr

2492 Directed Readings
(max crs 6; 6 repeats allowed; A-F only; prereq instr consent ; no Grad School credit)
47276 001 DRD; Nierengarten, Mark Edward, 1-3 cr

997 Practicum
(max crs 5; 5 repeats allowed; A-F only; prereq PE or exer sci major; no Grad School credit)
47274 001 PRC; Nierengarten, Mark Edward, 1-5 cr

PHYSICS (Phys)
Swenson College of Science & Engineering

1001 Introduction to Physics I
(A-F only; prereq Algebra, trig; meets LE req of LE CAT4)
48608 001 PHY, 09:00am-10:50am T, MWAH 195; Johnson, Darrin Eric
48609 002 LAB, 09:00am-10:50am T, MWAH 195, 5 cr
48610 003 LAB, 11:00am-12:50pm T, MWAH 195, 5 cr
48510 004 LAB, 02:00pm-03:50pm T, MWAH 275, 5 cr
48512 005 LAB, 02:00pm-03:50pm W, MWAH 275, 5 cr
48514 006 LAB, 08:00am-09:50am Th, MWAH 275, 5 cr
48516 007 LAB, 10:00am-11:50am Th, MWAH 275, 5 cr
48568 008 LAB, 12:00pm-01:50pm Th, MWAH 275, 5 cr
48560 009 LAB, 02:00pm-03:50pm Th, MWAH 275, 5 cr

1002 Introduction to Physics II
(A-F only; prereq 1001)
48504 001 PHY, 09:00am-09:50am MW, MWAH 195; Gran, Richard William
48506 002 LAB, 10:00am-11:50am T, MWAH 249, 5 cr
48508 003 LAB, 12:00am-01:50pm T, MWAH 249, 5 cr
48508 004 LAB, 08:00am-09:50am Th, MWAH 249, 5 cr
48510 005 LAB, 10:00am-11:50am Th, MWAH 249, 5 cr
48512 006 LAB, 02:00pm-03:50pm Th, MWAH 249, 5 cr
48512 007 LAB, 02:00pm-03:50pm W, MWAH 249, 5 cr

1011 Ideas in Physics
(A-F only; prereq: Will not satisfy major or minor requirements in phys; meets LE req of LE CAT5)
47484 001 LEC, 01:00pm-01:50pm MW, MWAH 195; Johnson, Darrin Eric, 3 cr

1021 Exploring Current Topics in Physics
(A-F only)
48662 001 LEC, 09:00am-09:50am Th, MWAH 195; Habig, Aloe T, 1 cr

2011 General Physics I
(Credit will not be granted if credit has been received for: PHYS 1251F; A-F only; prereq: Math 1290 or Math 1296 or Math 1596; meets LE req of LE CAT4)
47266 001 PHY, 11:00am-12:10pm MW, MWAH 195; Katsev, Sergei
48526 002 LAB, 08:00am-09:50am T, MWAH 277, 4 cr
48528 003 LAB, 10:00am-11:50am T, MWAH 277, 4 cr
48530 004 LAB, 12:00pm-01:50pm T, MWAH 277, 4 cr
48532 005 LAB, 02:00pm-03:50pm T, MWAH 277, 4 cr
48534 006 LAB, 03:00pm-04:50pm W, MWAH 277, 4 cr
48536 007 LAB, 08:00am-09:50am Th, MWAH 277, 4 cr
48538 008 LAB, 10:00am-11:50am Th, MWAH 277, 4 cr
48540 009 LAB, 12:00pm-01:50pm Th, MWAH 277, 4 cr
54546 010 LAB, 03:00pm-04:50pm Th, MWAH 277, 4 cr

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**3994 Directed Research in Psychology**

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**3997 Honors Project in Psychology**

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**3998 Honors Research in Psychology**

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This information is accurate as of: 2/17/2009
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### STATISTICS (Stat) 50880
**Svenson College of Science & Engineering**

#### 141 Introduction to Statistics

**A-F only:** prerequisite Math ACT 22 or higher and a grade of at least C- in Math 1005 or dept consent; meets LE req of CAT 2)

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#### 2411 Statistical Methods

**A-F only:** prerequisite Math ACT 23 or higher and a grade of at least C- in Math 1250 or higher and dept consent; meets LE req of CAT 2)

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#### 4411 Engineering Statistics

**A-F only:** prerequisite Math 1297 cannot be applied to a math or statistics major)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>004 LEA</td>
<td>10:00am-10:50am MWF, Cina 106; Duan, Mingqian, 3 cr</td>
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</tbody>
</table>

#### 3611 Introduction to Probability and Statistics

**A-F only:** prerequisite A grade of at least C- in Math 1200 or Math 1290)

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 LEA</td>
<td>09:00am-09:50am MWFTh, Cina 106; Qi, Yongcheng, 4 cr</td>
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</tbody>
</table>

#### 441 Analysis of Variance

**prequisite 5411 or 3611)**

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<thead>
<tr>
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<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>01 LEA</td>
<td>12:00pm-12:50pm MWF, Cina 106; Regal, Ronald Ray</td>
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</tbody>
</table>

#### 551 Multivariate Statistics

**prequisite 5411 or 5511, Math 3280 or Math 4326)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>002 LEA</td>
<td>02:00pm-02:50pm MWF, Chem 155; Qi, Yongcheng, 4 cr</td>
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</table>

#### 571 Probability

**A-F only:** prerequisite Math 3298)

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<thead>
<tr>
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<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>001 LEA</td>
<td>01:00pm-01:50pm MWFTh, Cina 106; James, Barry R, 4 cr</td>
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</tbody>
</table>

#### 8888 Thesis Credits: Doctoral

(max credits: 10; requires: A grade of at least C- in Math 1250 or higher or Math 1296)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>001 THE</td>
<td>12:00pm-12:50pm MWF, Chem 155; Regal, Ronald Ray, 1 cr</td>
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</tbody>
</table>

### SUPPORTIVE SERVICES PROGRAM (SSP)

#### Achievement Center

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>004 LEA</td>
<td>10:00am-11:00am 5, SCC 21; 25 seats reserved for SLPE students only</td>
<td></td>
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</tr>
</tbody>
</table>

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This information is accurate as of: 2/17/2009
1054 College Study Strategies  
(Credit will not be granted if credit has been received for: MED 1003; S-N only; prereq: )  
001 LEC, 09:00-09:50am MWF, SCC 21; 09/08-10/09/09; Jackson, Matthew  
46436 002 DIS, 09:00-09:50am MWF, SCC 6; 09/08-10/09/09; Jackson, Matthew  
46438 003 DIS, 09:00-09:50am MWF, Both 343; 09/08-10/09/09; Jackson, Matthew  
1055 1097 Theatre Practicum I  
(max crs 6; 6 repeats allowed; A-F only; meets LE req of LE CAT10)  
49404 001 LAB; Israel, Tom K; Payne, William  
49406 001 LAB; Morgan, Sherise Alison, 2 cr  
1301 Stagecraft I  
(A-F only; prereq 1801 or instr consent)  
49500 001 LEC; Schiff, Lisa, 0 cr  
49502 001 LAB; Morgan, Sherise Alison, 2 cr  
49505 001 LAB; Morgan, Sherise Alison, 2 cr  
1499 Costume Practicum  
(max crs 3; 3 repeats allowed; A-F only; prerequisites)  
49404 001 LAB; Morgan, Sherise Alison, 2 cr  
1501 Stage Lighting I  
(A-F only; prereq 1001 or 1801 or instr consent)  
49502 001 LEC; Schiff, Lisa, 0 cr  
49505 001 LAB; Morgan, Sherise Alison, 2 cr  
49506 001 LAB; Morgan, Sherise Alison, 2 cr  
1699 Running Crew Practicum  
(max crs 6; 3 repeats allowed; A-F only; meets LE req of LE CAT10)  
49501 001 LEC; Schiff, Lisa, 0 cr  
49503 001 LAB; Morgan, Sherise Alison, 2 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))

1801  Elements of Theatre (A-F only; prereq th major)
46220 001 LEC, 03:00pm-03:50pm MWF, MohH 346; 6 cr
46221 001 LEC, 07:00pm-08:00pm MWF, BohH 271; 6 cr
46222 001 DIS; Harvey, Mark A; Dennis, Patricia; Phillips, Curtis J; Isbell, Tom K; Bergeron, Ann Aiko; Payne, William Eugene; Ufema, Kate; 3 cr
2112  Acting II: American Realism (A-F only; prereq instr consent)
46228 001 STU, 10:00am-11:15am MWF, MPAC 49; 4 cr
2118  Speech for the Actor (A-F only; prereq instr consent)
46514 001 STU, 11:30am-12:45pm MWF, MPAC 49; 3 cr
3099  Theatre Practicum II (max crs 12; 6 repeats allowed; A-F only; prereq 3991 and 5991 combined; no Grad School credit)
46762 001 IND; Dennis, Patricia, 1-3 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)
47672 001 IND; Dennis, Patricia, 1-3 cr
9979  Internship in Professional Theatre (max crs 12; 12 repeats allowed; S-NONLY; no required consent for the first 45 hrs work; no Grad School credit)
46766 001 IEX; Dennis, Patricia, 1-12 cr
8390  TOXICOLOGY (Txcl) Duluth School of Medicine
5000  Directed Research in Toxicology (max crs 16; 16 repeats allowed; S-NONLY; no Grad School credit)
50084 001 LEC; Wallace, Kendall B., 1-4 cr
8013  Advanced Toxicology II (A-F only; prereq 8012, Chem 4342, Phsl 5601 or instructor consent)
49448 001 IEC; Olson, Joan H; Wallace, Kendall B., 3 cr
8100  Investigative Toxicology (max crs 2; A-F only; prereq 8010 or instructor consent)
49450 001 SEM; Wallace, Kendall B., 1 cr
8333  FTE: Master’s (NGA: prereq Master s student, adviser and DGS consent)
47908 001 DRS; Wallace, Kendall B., 1 cr
8444  FTE: Doctoral (NGA: prereq Doctoral student, adviser and DGS consent)
47911 001 DRS, 1 cr
8666  Doctoral Pre-Thesis Credits (max crs 12; NGA: prereq Max 6 cr per semester or summer; 10 cr total required (Plan A only))
48012 001 THE, 1-16 cr
8888  Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA: prereq Max 18 cr per semester or summer; 24 cr total required)
48002 001 THE, 1-24 cr

WOMEN’S STUDIES (WS) College of Liberal Arts
1000  Introduction to Women’s Studies (A-F only; meets LECG req of LECG CAT07)
45962 001 LEC, 09:30am-10:45am TTh, MohH203; 6 cr
45964 002 LEC, 02:00pm-04:45pm T, H480; please schedule in room H480, designated WS classroom. accomodation for 2109575; Ritmeester, Tineke, 3 cr
49424 090 LEC, 06:00pm-08:50pm Th, BohH346; (Open CE reserved seats will be available to UMD students on 09/01/09.); 8 seats required for Continuing Education (EXPIRES01-SEP-2009; Woodward, Susana Pelayo, 3 cr
51254 091 LEC, 06:00pm-08:50pm T, BohH346; (Open CE reserved seats will be available to UMD students on 09/01/09.); 8 seats reserved for Continuing Education - EXPIRES01-SEP-2009; Christian, Cindy M, 3 cr
2101  Women, Race, and Class (A-F only; meets LECG req of LECG CAT08)
48198 001 LEC, 09:30am-10:45am TTh, H480; Kamau, Margaret Njoki, 3 cr
3100  Feminist Theory (A-F only; prereq 1000, 45 cr or instr consent)
48730 001 LEC, 11:00am-12:50pm TTh, H480; Bartlett, Elizabeth Ann, 4 cr
3300  Women and Spirituality (A-F only; prereq 1000 or 2101 or instr consent)
49498 001 LEC, 02:00pm-04:45pm Th, H480; scheduled in 480 per WS designated classroom. class requires ability for students to move chairs in groups and use floor space.; Bartlett, Elizabeth Ann, 3 cr required)
3400  Women and Film (A-F only)
50100 090 LEC, 06:00pm-08:50pm W, H480; (Open CE reserved seats will be available to UMD students on 08/26/08); 2 seats reserved for Continuing Education; Ritmeester, Tineke, 3 cr
3891  Independent Study (max crs 6; A-F only; prereq 1000, 3100, 15 cr WS or WS-related courses, instr consent)
47378 001 IND; (contact department for permission number); Ritmeester, Tineke, 1-3 cr
3896  International Fieldwork in Women’s Studies (max crs 6; A-F only; prereq 1000, instr consent)
50110 001 FWK; (contact department for permission number); Ritmeester, Tineke, 1-3 cr

WATER RESOURCES SCIENCE (WRS) Swenson College of Science & Engineering
8333  FTE: Master’s (NGA: prereq Master s student, adviser and DGS consent)
47938 001 DRS, 1 cr

This information is accurate as of: 2/17/2009
University of Minnesota - Class Schedule for Duluth Campus

This information is accurate as of: 2/17/2009

College of Liberal Arts

1017 Freshman Seminar: Honors: The Rhetoric of Popular Culture (Credit will be granted if credit has been received for: COMP 1007; A-F only; prereq Freshman, fewer than 30 cr, honors student; meets HON req of Hons; meets LE req of LE CAT 8)

1120 College Writing (A-F only; prereq Credit will not be granted if credit received for: [Comp 1120]; 1120, min 60 cr)

Writing Studies (Writing)

College of Continuing Education - EXPIRES 01-SEP-2009

3977 Internship (max crs 9; 3 repeats allowed; S-N only; prereq 1000, 2101, 3100, 15 cr or WS-related courses, WS major or minor, 33 cr, instr consent)

47376 001 IEX; (contact department for permission number); Ritzmeister, Tina, 1-9 cr

5897 Teaching Internship in Women's Studies (max crs 9; 3 repeats allowed; prereq 1010, 2101, 90cr, WS major, instr consent; no Grad School credit)

49522 001 IEX; (contact department for permission number); Ritzmeister, Tina, 1-2 cr

5991 Independent Study (max crs 4; A-F only; prereq 1000, 3100, 15 cr or WS-related courses or grad student, instr consent)

51096 001 LEC; (contact department for permission number); Ritzmeister, Tina, 1-4 cr

Fall 2009
45732  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. (Open CE reserve seats will be available to UMD students 09/01/09., , 3 cr

3160 Advanced Writing: Social Sciences (A-F only; prereq Credit will not be granted if credit has been received for: [Comp 3160]; min 60 cr)
45662  001 LEC, 08:00am-09:15am TTh, H 403;  , 3 cr
45664  002 LEC, 09:00am-09:50am MWF, SpHC 210;  , 3 cr
45666  003 LEC, 12:00pm-12:50pm MWF, BohH 346;  , 3 cr
45668  004 LEC, 03:00pm-03:50pm MWF, H 468;  , 3 cr
45670  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. (Open CE reserve seats will be available to UMD students 09/01/09., , 3 cr

4197 Internship in Writing (Credit will not be granted if credit has been received for: WRIT 5197; max crs 6; S-N; prereq instr consent, no Grad School cr)
54307  001 IEX, 1-3 cr

4230 Web Design and Digital Culture (Credit will not be granted if credit has been received for: WRIT 5230; A-F only; prereq Min 60 cr, no Grad School cr)
54295  001 LAB, 06:00pm-08:30pm T, H 470; Meets with: 45740 WRIT 5230;  , 3 cr
57459  002 LAB, 12:00pm-12:50pm MWF, Engr 204; Meets with: 45760 WRIT 5230, 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)
52078  001 LEC, 08:00am-08:50am MWF, H 458; Meets with: 52142 WRIT 5260, 3 cr

4951 Independent Study (Credit will not be granted if credit has been received for: WRIT 5591; A-F only; prereq instr consent, no Grad School cr)
54308  001 IND, 3 cr

5197 Internship in Writing (Credit will not be granted if credit has been received for: WRIT 4197; max crs 3; 3 repeats allowed; S-N; prereq instr consent, Coll Grad or Grad School student)
45672  001 IEX, 1-3 cr

5230 Web Design and Digital Culture (Credit will not be granted if credit has been received for: WRIT 4230; A-F only; prereq Credit will not be granted if credit has been received for: [Comp 5230])
45740  001 LAB, 06:00pm-08:30pm T, H 470; Meets with: 54295 WRIT 4230;  , 3 cr
45760  002 LAB, 12:00pm-12:50pm MWF, Engr 204; Meets with: 57459 WRIT 4230, 3 cr

5260 Visual Rhetoric and Culture (Credit will not be granted if credit has been received for: WRIT 4260; A-F)
52142  001 LEC, 08:00am-08:50am MWF, H 458; Meets with: 52078 WRIT 4260, 3 cr

5991 Independent Study (Credit will not be granted if credit has been received for: WRIT 4591; max crs 6; 6 repeats allowed; A-F only; prereq 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)
45674  001 IND, 1-3 cr

8902 Teaching College Writing (A-F; prereq Credit will not be granted if credit has been received for: [COMP 8902], required for tchg assts in Writ and Engl Depts, instr consent)
45676  001 LEC, 10:00am-11:50am TTh, BohH 343; Jenson, Jill D, 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)
45680  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)
45678  001 DRS; Risdon, Kenneth C, 1-3 cr

8902 Teaching College Writing (A-F; prereq Credit will not be granted if credit has been received for: [COMP 8902], required for tchg assts in Writ and Engl Depts, instr consent)
45676  001 LEC, 10:00am-11:50am TTh, BohH 343; Jenson, Jill D, 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)
45680  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)
45678  001 DRS; Risdon, Kenneth C, 1-3 cr