**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 no departmental designation precedes the course number listed as a prerequisite (e.g., “prereq 3221”), that course is in the same department as the course being offered. Like-wise, a prerequisite reading “6 cr” means 6 credits in courses offered by the same department. See your college or department for further information. Departments and colleges may use the registration system to help place certain categories of qualified students into courses or sections on a priority basis (seniors, majors, etc.). If you meet all stated prerequisites for the course, including class standing, you may also need to meet other qualifications established at the time of registration. For this reason, it is helpful to think about first and second course choices.

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

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

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

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

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

**Liberal Education Program (LEP)** — Liberal Education is an essential part of your undergraduate education at the University of Minnesota. (DLE) or (LE) courses help you investigate the world from new perspectives, learn ways of thinking that will be useful to you in many areas of your life, and grow as an active citizen and lifelong learner. If you are unsure which requirements apply to you, contact your academic adviser. For more information see [http://d.umn.edu/onestop/degree-planning/lib-eds/](http://d.umn.edu/onestop/degree-planning/lib-eds/)
No Time or Place — When hours and days or the place of meeting are missing, consult the instructor or department offering the course.

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

Example 1
31533 001 LEC, 08:00am-09:40am TThS
11533 002 LEC, 09:00am-10:05am MWF
12533 003 LEC, 12:00pm-01:40pm TThS

Example 2
001 LEC, 10:15am-11:20am MWF
81533 002 LAB, 12:00pm-01:40pm M
61533 003 LAB, 12:00pm-01:40pm W

Example 3
001 LEC, 08:00am-09:40am T
41533 002 LAB, 10:00am-11:40am T
21533 003 LAB, 10:00am-11:40am Th
004 LEC, 11:00am-12:40am Th
11533 005 LAB, 02:00pm-03:40pm T
64574 006 LAB, 02:00pm-03:40pm Th
81600 007 LET, 09:00am-09:50am MWF
(stand-alone lecture without lab for courses which usually have a lab)

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

Course Changes — See under “Registration Information > Class Schedule > Online Version” on the Web at http://www.d.umn.edu/courseinfo/ for the most current and accurate information.
Acct 3001 Principles of Financial Accounting

Acct 3101 Intermediate Accounting I
This course will prepare students for the Beginning, Intermediate and Advanced levels of accounting knowledge. The course will cover the fundamental concepts of financial accounting, including the measurement of assets, liabilities, equity, income, revenue and expenses. The course will also cover the preparation of financial statements, including the balance sheet, income statement, and statement of cash flows. Finally, the course will cover the concepts of cost and management accounting.

Acct 3102 Intermediate Accounting II
This course will continue the study of financial accounting, focusing on more advanced concepts and techniques. The course will cover topics such as income determination, financial statement analysis, and the use of financial statements in decision making.

Acct 3103 Accounting Information Systems
This course will introduce students to the concepts and techniques of accounting information systems. The course will cover topics such as the design and implementation of accounting systems, the use of computerized accounting software, and the development of financial reports.

Acct 3991 Independent Study
For students wishing to do special work in an accounting area that extends beyond the regular curriculum. Students can take an additional credit for participation in an approved program with professional activity. 3196 and 3796 for a total of 6 credits.)
Anthropology Internship
(S-F only; max crs 6; 5 repeats allowed; prereq Min 60 cr or instr consent; no Grad School cr)
Supervised experience in an anthropological work related setting: social service agency, museum, immigration services, school or other, approved by instructor. Setting learning objectives, techniques for measuring progress and report writing will be taught.
80956 --002 IND, 05/20/13-06/07/13, instruction mode: Independent/Directed Studies; Jones, Jennifer Elaine, 1-5 cr

Anth 4699 Honors Project
(A-F only; max crs 4; max 4 crs: 1604, 1612, 1614, 1621, instr consent)
Advanced individual project in any area or anthropology examining sound theoretical and research foundations and resulting in a written report, oral presentation. A web page or poster presentation may be done in consultation with the Honors Program.
80739 --001 IND, instruction mode: Independent/Directed Studies; Jones, Jennifer Elaine, 2-4 cr

ART (Art)
317 H, 1201 Ordean Court, School of Fine Arts, Duluth, MN 55812-1011
218-726-8225
http://www.umn.edu/art/

School of Fine Arts
May Session

Art 1605 Fundamentals of Photography
(A-F only; Credit will not be granted if credit has been received for: ART 2600, ART 1600, ART 1607; prereq for art majors or minors MDE DLE ART 4676, 4678, 4679; credit will not be granted if already received for 1100)

Color and pigment theory, basic concepts and exploration of the photosensitive body of work.
80747 --001 LEC, 08:00am-12:00pm MTWThF, H 318, 05/20/13-06/07/13, instruction mode: Classroom, Limited to: 5; Combined with: 80749 ART 4600, 80749 ART 4601; Dietrich, Jennifer Lee, 3 cr

Art 2500 Jewelry and Metals I
(A-F only; Credit will not be granted if credit has been received for: ART 1605, ART 1600, ART 1607; prereq 1013, Art maj or Art or Photography Min or instr consent)
Basic jewelry design, fabrication, and surface enhancement techniques.
81389 --001 LEC, 12:00pm-04:00pm MTWThF, AB 135, 05/20/13-06/07/13, instruction mode: Classroom, Limited to: 10; Combined with: 81392 ART 3500, Suh, Eun-Kyung, 3 cr

Art 2600 Photography I
(A-F only; Credit will not be granted if credit has been received for: ART 2600, ART 1600, ART 1607; prereq 1013, Art maj or Art or Photography Min or instr consent)
Introduction to photographic concepts, materials, and the digital darkroom. Requires digital camera with adjustable shutter speeds and apertures. Laptop and software required; instruction presented only on the Mac OS.
80785 --001 LEC, 08:00am-12:00pm MTWThF, Cina 16, 05/20/13-06/07/13, instruction mode: Classroom, Limited to: 10; Combined with: 80787 ART 4600, 80787 ART 4601, 81104 ART 4676; Brush, Gloria DeFilipps, 3 cr (+ 2 hrs art studio work each wk)

Art 3100 Painting II
(A-F only; max crs 3; 3 repeats allowed; prereq 2100, art or art maj or Pre-color ed major or Pre-graphic design major, or art minor or instr consent; max 9 cr)
Painting in specialized area, under student/ instructor-generated semester goals outline.
80748 --001 LEC, 08:00am-12:00pm MTWThF, H 318, 05/20/13-06/07/13, instruction mode: Classroom, Limited to: 4; Combined with: 81389 ART 2500, Suh, Eun-Kyung, 3 cr (+ 2 hrs art studio work each wk)

Art 3500 Jewelry and Metals II
(A-F only; max crs 6; prereq 2500, art or art maj or art minor or instr consent)
Advanced application of jewelry techniques and design.
81392 --001 LEC, 12:00pm-04:00pm MTWThF, AB 135, 05/20/13-06/07/13, instruction mode: Classroom, Limited to: 5; Combined with: 81392 ART 2500, Suh, Eun-Kyung, 3 cr (+ 2 hrs art studio work each wk)

Art 4100 Painting III
(A-F only; max crs 3; 3 repeats allowed; prereq 3100, art or art maj or art minor or instr consent)
Painting in specialized area, under student/ instructor-generated semester goals outline.
80747 ART 2100, 80748 ART 3200; Dietrich, Jennifer Lee, 3 cr (+ 2 hrs art studio work each wk)

Art 4191 Individual Study in Painting
(A-F only; max crs 3; 3 repeats allowed; prereq Two semi painting, instr consent; no Grad School cr)
Instruction tailored to individual’s needs outside of traditional class structure.
80750 --001 May Session
05/20/13-06/07/13, instruction mode: Independent/Directed Studies; Dietrich, Jennifer Lee, 1-3 cr

Art 4600 Photography: Digital Portfolio
(A-F only; max crs 3; 3 repeats allowed; prereq 1900, 1607 or 2600, art major or photography minor or instr consent)
Introduction digitally-based portfolio development in area of special interest. Selected readings in photographic theory and criticism, Graduate student portfolios are complemented by a related research project. Requires digital camera with adjustable shutter speeds and apertures. Laptop and software required; instruction presented only on the Mac OS.
80787 --001 LEC, 08:00am-12:00pm MTWThF, Cina 16, 05/20/13-06/07/13, instruction mode: Classroom, Limited to: 8; Combined with: 80785 ART 2600, 80787 ART 4600, 81104 ART 4676; Brush, Gloria DeFilipps, 3 cr (+ 2 hrs art studio work each wk)

Art 4675 Photography: The Photographic Book
(A-F, max crs 3; 3 repeats allowed; prereq 4600, art major or photography minor or instr consent)
Creation of one or more individual photographic book projects, with emphasis on effective sequencing of images and appropriate book form for the specific body of work. Selected readings in book arts relating to photography.
80787 --001 LEC, 08:00am-12:00pm MTWThF, Cina 16, 05/20/13-06/07/13, instruction mode: Classroom, Limited to: 8; Combined with: 80785 ART 2600, 80787 ART 4600, 81104 ART 4676; Brush, Gloria DeFilipps, 3 cr (+ 2 hrs art studio work each wk)
Graduate student book projects are complemented by a required research project conducted digitally. Classroom instruction presents a variety of digital applications, an introduction to 2D digital media, and presentation skills. Laboratory work includes advanced topics such as web page design and multimedia applications. Students will develop their own digital portfolio and give presentations. Enrollment limited to 12. (A-F only; max crs 3; no grad credit)
University of Minnesota – Class Schedule for Duluth Campus

Summer 2013

financial professionals. Topics include agency, bankruptcy, insider trading and securities laws, obligations of corporate directors and officers, negotiable instruments and secured lending transactions.

BLaw 3001. Legal Environment (A-F; prereq Min 30 cr; meets DLE req of Humanities; meets LE req of CATRE 2013)

Introduction to U.S. legal system and its impact on modern business operations. Economic, ethical, social, and political perspectives of legal environment. Constitutional law, administrative regulation, liability, contracts, business organizations, employment/labor law.

BChem 3196 Cooperative Education I (A-F; max crs 3; 3 repeats allowed; prereq BSChE cand, department consent)

Practical work experience with an employer closely associated with student’s academic area. Arranged by mutual agreement among student, department, and employer. Formal written report of work completed must be submitted to department at end of experience.

BChem 3197 Cooperative Education II (A-F; max crs 4; max 3 crs 3 repeats allowed; prereq BSChE cand, department consent)

Continuation of practical work experience with an employer closely associated with student’s academic area. Arranged by mutual agreement among student, department, and employer. Formal written report of work completed must be submitted to department at end of experience.

BChem 3295 Cooperative Education I (A-F; max crs 3; 3 repeats allowed; prereq BSChE cand, department consent)

Directed individual study arranged with instructor and head of department before registration.

BChem 3296 Cooperative Education II (A-F; max crs 4; 4 repeats allowed; prereq BSChE cand, department consent)

Directed individual study arranged with instructor and head of department before registration.

BChem 395 Chemical Engineering Research (max crs 6; 6 repeats allowed; prereq BSChE cand, max 6 crs 3 in 3994)

Experience in a selected research area. Student must present a satisfactory written report and oral presentation. Course may also be used for portion of a research proposal.

BChem 3956 Project Credits: MeCh - Chemical Engineering

This information is accurate as of: 02/01/2012
Chem 1153 General Chemistry I  
(A-F only; prerequisite: high school chemistry or equivalent. Credit will not be granted if already received for 1151 or 1161; meets DLE req of Natural Sciences; meets LE req of LE CAT 5)  
Fundamental principles of chemistry exemplified by study of elements, compounds, and their reactions. The companion laboratory accompanies CHEM 1153. The combination of CHEM 1153 and CHEM 1154 meets liberal education category 4 requirements.  
81373 -- 002 DIS, 10:00am-10:50am MWF, Chem 200, 05/20/13-07/13/13, instruction mode: Classroom, Limited to 30; Grundt, Peter; Dymek, Oleg, 3 cr  
81374 -- 002 DIS, 10:00am-10:50am MWF, Chem 200, 05/20/13-07/13/13, instruction mode: Classroom, Limited to 30; Grundt, Peter; Dymek, Oleg, 3 cr

Chem 1154 General Chemistry Lab I  
(A-F only; prerequisite: Concurrent enrollment in CHEM 1153; credit will not be granted if already received for CHEM 1151 or 1161; meets DLE req of Natural Sciences; meets LE req of LE CAT 4)  
Fundamental principles of chemistry exemplified by laboratory study of elements, compounds, and their reactions. This laboratory accompanies CHEM 1153. The combination of CHEM 1153 and CHEM 1154 meets liberal education category 4 requirements.  
81375 -- 001 LAB, 12:00pm-01:50pm TTh, SSB 131, 05/20/13-07/13/13, instruction mode: Classroom, Limited to 30; Grundt, Peter; Dymek, Oleg, 3 cr  
Chem 1155 General Chemistry II  
(A-F only; prerequisite: CHEM 1151 or 1161; credit will not be granted if already received for 1152 or 1162)  
Fundamental principles of chemistry exemplified by study of elements, compounds, and their reactions. Solid knowledge of college algebra and General Chemistry I is required. The companion course CHEM 1156 should be taken concurrently.  
81376 -- 002 DIS, 10:00am-10:50am MWF, Chem 200, 07/08/13-08/23/13, instruction mode: Classroom, Limited to 30; Grundt, Peter; Dymek, Oleg, 3 cr

Chem 1156 General Chemistry Lab II  
(A-F only; prerequisite: Concurrent enrollment in CHEM 1155; credit will not be granted if already received for 1152 or 1162)  
Fundamental principles of chemistry exemplified by laboratory study of elements, compounds, and their reactions. This laboratory accompanies CHEM 1155. The combination of CHEM 1155 and CHEM 1156 meets liberal education category 4 requirements.  
81377 -- 001 LAB, 09:00am-10:50am TTh, SSB 232, 05/20/13-07/13/13, instruction mode: Classroom, Limited to 30; Grundt, Peter; Dymek, Oleg, 3 cr  
Chem 2241 Analytical Chemistry I  
(A-F only; prerequisite: CHEM 1153 and 1154. Concurrent registration is required or allowed in 2241 and 2242; credit will not be granted if already received for 2212 or 2242)  
Theory in analytical techniques; introduction to gravimetric, volumetric, and spectrophotometric methods. 80783 -- 001 LEC, 08:00am-10:00am TTh, Chem 221, 05/20/13-07/05/13, instruction mode: Classroom, Limited to 40; Swanson, Kate, 3 cr

Chem 2242 Analytical Chemistry II  
(A-F only; prerequisite: CHEM 2241 and 2242. Concurrent registration is required or allowed in 2243 and 2244; credit will not be granted if already received for 2212 or 2242)  
Theory in analytical techniques; introduction to gravimetric, volumetric, and spectrophotometric methods. 80784 -- 001 LEC, 08:00am-10:00am TTh, Chem 222, 05/20/13-07/05/13, instruction mode: Classroom, Limited to 40; Swanson, Kate, 3 cr

Chem 2314 Chemistry Undergraduate Research  
(S-N only; max crs 30; 10 repeats allowed; prerequisite: registration is required (or allowed) in 2321)  
Experience in a selected area of research. 81191 -- 001 IND, 05/18/13-06/13/13, instruction mode: Independent/Directed Studies, 1-3 cr

Chem 3097 Internship in Chemistry (S-N; max crs 2; prerequisite: 2521 or 2541 or 2542)  
Experience in a commercial, governmental, or industrial setting. Prior department approval and coordination with faculty advisor are required. 80981 -- 001 FWK, 05/11/13-06/21/13, instruction mode: Classroom, 1-2 cr

Chem 3214 Biochemistry Undergraduate Research  
(S-N only; max crs 10; prerequisite: registration is required (or allowed) in 3214)  
Experience in a selected area of research. 81191 -- 001 IND, 05/18/13-06/13/13, instruction mode: Independent/Directed Studies, 1-3 cr

Chem 3322 Biochemistry I  
(A-F only; prerequisite: CHEM 2241 and 2242. Concurrent registration is required or allowed in 3323 and 3324; credit will not be granted if already received for 2213 or 2243)  
Survey of individual enzymes and enzyme catalysis, cellular energetics, and major metabolic processes. 80889 -- 001 LEC, 08:00am-10:00am MWF, Chem 251, 05/20/13-07/05/13, instruction mode: Classroom, Limited to 30; Johnson, Joseph L. 1-3 cr

Chem 3323 Biochemistry II  
(A-F only; prerequisite: CHEM 3322 and 3324. Concurrent registration is required or allowed in 3324 and 3325; credit will not be granted if already received for 2213 or 2243)  
Identiﬁcation and analysis of biological molecules with emphasis on the macro-molecules, polynucleotides, proteins, and nucleic acids (RNA, DNA). 80890 -- 001 LAB, 08:00am-10:50am TTh, SSB 244, 05/20/13-07/05/13, instruction mode: Classroom, Limited to 30; Johnson, Joseph L. 1-3 cr

Chem 8777 Thesis Credits: Masters’ (N/A; max crs 24; 5 repeats allowed; prerequisite: registration is required (or allowed) in 8777 or registration is required (or allowed) in 8778)  
Continuation of practical work experience with an employer closely associated with student’s academic area. Arranged by mutual agreement among student, department and employer. Formal written report of work completed must be submitted to the department at the end of the experience. 88626 -- 001 IND, instruction mode: Independent/Directed Studies, 1-2 cr

CE 2016 Surveying  
(A-F only; prerequisite: Math 1297, BSEE candidate; fundamentals of observing distances, elevations, and angles. Taversing, Irregular areas. Circular and parabolic curves. Earthwork including mass diagrams. Construction staking. 81520 -- 002 LAB, 05:00pm-07:30pm TTh, SCiv 265, 05/20/13-05/31/13, instruction mode: Classroom, Limited to 24; 2 cr; 001 LEC, 05:00pm-07:30pm, MWF, SCiv 265, 05/20/13-05/31/13, instruction mode: Classroom, Limited to 24

CE 4596 Cooperative Education I  
(A-F only; max crs 3; 3 repeats allowed; prerequisite: CE upper division student, instructor consent; no grad credit)  
Practical work experience with an employer closely associated with student’s academic area. Arranged by mutual agreement among student, department and employer. Formal written report of work completed must be submitted to the department at the end of the experience. 88626 -- 001 IND, instruction mode: Independent/Directed Studies, 1 cr

Summer 2013

Swenson College of Science & Engineering

CIVIL ENGINEERING (CE)  
221 Sciv, 1405 University Drive, Swenson College of Science & Engineering, Duluth, MN 55812-3042  
218-726-6444

Chem 1191 Independent Study  
(A-F only; max crs 6; prerequisite: candidate, instructor consent)  
Master of Engineering project work as determined by faculty advisor and student with approval by the department director of graduate studies. 88617 -- 001 IND, instruction mode: Independent/Directed Studies, Bendz, Moe, 3-6 cr

CHEMISTRY (Chem)  
246 Chem, 1039 University Drive, Swenson College of Science & Engineering, Duluth, MN 55812-3011  
218-726-7212

http://www.d.umn.edu/chem

University of Minnesota – Class Schedule for Duluth Campus
COMM 3310 Research Assistant in Communication
(S-N; max crs 3; 3 repeats allowed; prereq instructor consent)
Practical experience in assisting communication faculty in ongoing research projects. Comm 3310, 4394 and 4397 carry variable credit, only some of which may count toward the communication major or minor. While all credits for these courses apply to the 120 cr required for graduation, the max number of credits from these courses (either one course or combined from the two courses) that may apply to the student’s major or minor is six (6).

Comm 3380 –001 FWK, 05/20/13-06/07/13, instruction mode: Independent/Directed Studies; Nelson, Elizabeth Jean, 1-3 cr

Comm 3525 Deciding What’s News
(A-F only;)
Reviewing history of news in the United States, examine definitions of news, engage in critical evaluations of news in its various genres (news magazines, infotainment, investigative journalism, tabloid journalism, etc.).

Comm 4394 Directed Research in Communication
(A-F; max crs 3; 3 repeats allowed; prereq instructor consent)
Individual research project, written under the supervision of a regular faculty member, to result in a research paper. Comm 3310, 4394 and 4397 carry variable credit, only some of which may count toward the communication major or minor. While all credits for these courses apply to the 120 credits required for graduation, the maximum number of credits from these courses that may apply to the student’s major or minor is six (6).

Comm 4397 Internship in Communication
(S-N; max crs 8; 8 repeats allowed; prereq Min 79 cr, comm major or minor (20 cr in major), 2.50 GPA in major/minor; no Grad School cr)
Students work in pre-approved program with a public agency, private organization, or other service agency; work must be in specific area of communication. Application deadline is one week before beginning of registration for following semester. Comm 3310, 4394 and 4397 carry variable credit, only some of which may count toward the comm major or minor. While all credits for these courses apply to the 120 cr required for graduation, the max number of credits from these courses (either one course or combined from the two courses) that may apply to the student's major or minor is three (3).

Comm 2025 Communication Inquiry: Rhetorical and Historical Methods
(A-F only; prereq Comm major, minimum 30 credits)
Exploration/survey of rhetorical and historical approaches to understanding the role that communication plays in social influence.

COMMUNICATION (Comm)
465 ABAH, 1121 University Drive, College of Liberal Arts, Duluth, MN 55812-3011
218 726-8576
http://www.d.umn.edu/comm/

College of Liberal Arts
College of Liberal Arts Summer Session
CLA 1199 Applied Leadership (Practicum)
(S-N only; max crs 3; 3 repeats allowed; prereq instructor consent)
Supervised opportunity for students interested in gaining practical leadership experience. Location, type, duration, and assessment of experience are determined in consultation with faculty supervisor.

81547 –001 FWK, 05/18-05/21/13, instruction mode: Independent/Directed Studies; Reeves, Lisa Regini, 1-3 cr

COMMUNICATION (Comm)
465 ABAH, 1121 University Drive, College of Liberal Arts, Duluth, MN 55812-3011
218 726-8576
http://www.d.umn.edu/comm/

College of Liberal Arts
College of Liberal Arts Summer Session
CLA 1122 Public Speaking
(A-F only; Credit will not be granted if credit has been received for: COMM 1151; meets DLE req of Oral Communication; L) Oral and public speaking situations. Application of the theoretical bases of rhetoric to the public speaking situation.

80791 –001 IND, 05/20-06/06/13, instruction mode: Classroom, Limited to 20; Nelson, Elizabeth Jean, 3 cr

Comm 2025 Communication Inquiry: Rhetorical and Historical Methods
(A-F only; prereq Comm major, minimum 30 credits)
Exploration/survey of rhetorical and historical approaches to understanding the role that communication plays in social influence.

88340 –001 LEC, 09:00am-12:30pm MTWTh, ABAH 445, 05/20-06/07/13, instruction mode: Classroom, Limited to 25; Plas, Michael William, 3 cr

Comm 3211 Communication and Technology in the Information Age
(A-F only; ) Explores communication technologies in the information society; introduces students to new technologies used in contemporary organizations; explores implications of those technologies for human communication; and provides hands-on experience within a theoretical framework. 88341 –001 LEC, 01:00pm-04:30pm MTWTh, ABAH 445, 05/20-06/07/13, instruction mode: Classroom, Limited to 30; Downs, Edward Paul, 3 cr

Comm 3300 Teaching Assistantship in Communication
(S-N only; max crs 6; 8 repeats allowed; prereq Min 60 cr, Comm major or minor, instr consent , may not be applied to elect or for a Comm major or minor)
Practical experience in teaching beginning courses in the department. Students serve as intern teachers assisting the instructor in administration of the course. Application deadline is one week before beginning of registration for following semester.

Comm 3380 –001 FWK, 05/20/13-06/07/13, instruction mode: Classroom, Limited to 25; Boyson PhD, Aaron Robert, 3 cr
COMM 4397 Clinical Practicum in Communication Disorders  
(AF; prereq 3241 with C grade or better, 6 cr; prerequisite or instructor consent; no Grad cor) 
Clinical practicum with speech, language, and/or hearing impaired individuals in the on-campus clinic under the supervision of an ASHA-certified speech-language pathologist. 
1 hr seminar per wk 
Course time arranged in the RFP Clinic on Mondays, Tuesdays, Wednesdays, and Thursdays and starts Monday, May 20, 2013 - Friday, June 28, 2013. There is one Friday (June 28, 2013) as the make-up for the Memorial Day holiday. In addition the Clinic Class will meet on 5/23/13 from 7:00am-7:50am, 6/20/13 from 7:00am-7:50am and 6/28/13 from 12:00 pm -12:50pm.

COURSE TIME

CS 4097 Introduction to Clinical Practicum in Communication Disorders  
(AF; prereq CSD grad student or instructor consent) 
Clinical practicum with speech, language, and/or hearing impaired persons in an on-campus clinic under supervision of an ASHA-certified speech-language pathologist. 
1 hr seminar per wk 
Course time arranged in the RFP Clinic on Mondays, Tuesdays, Wednesdays, and Thursdays and starts Monday, May 20, 2013 - Friday, June 28, 2013. There is one Friday (June 28, 2013) as the make-up for the Memorial Day holiday. In addition the Clinic Class will meet on 5/23/13 from 7:00am-7:50am, 6/20/13 from 7:00am-7:50am and 6/28/13 from 12:00 pm -12:50pm.

COURSE TIME

CS 5200 Dysphagia  
(prereq CSD Grad or instructor consent) 
Anatomy and physiology of normal and disordered deglutition. 
Course time arranged in the RFP Clinic on Mondays, Tuesdays, Wednesdays, and Thursdays and starts Monday, May 20, 2013 - Friday, June 28, 2013. There is one Friday (June 28, 2013) as the make-up for the Memorial Day holiday. In addition the Clinic Class will meet on 5/23/13 from 7:00am-7:50am, 6/20/13 from 7:00am-7:50am and 6/28/13 from 12:00 pm -12:50pm.

COURSE TIME

CS 5260 Seminars in Orofacial Disorders  
(AF; prereq 2103) 
This course will focus on the origin and potential effects of craniofacial disorders on an individual's feeding, communication, and psychosocial development. Surgical procedures aimed at repairing craniofacial disorders and at improving pharyngeal function will be discussed. The role of the speech language pathologist on the interdisciplinary team that cares for the individual with craniofacial disorders will be reviewed. This will include describing the primary responsibilities of the SLP as well as important interactions with other team members. The role of the other team members in the management of care for the individuals with craniofacial disorders will also be described.

Course time arranged in the RFP Clinic on Mondays, Tuesdays, Wednesdays, and Thursdays and starts Monday, May 20, 2013 - Friday, June 28, 2013. There is one Friday (June 28, 2013) as the make-up for the Memorial Day holiday. In addition the Clinic Class will meet on 5/23/13 from 7:00am-7:50am, 6/20/13 from 7:00am-7:50am and 6/28/13 from 12:00 pm -12:50pm.

COURSE TIME

CS 8097 Internship: Communication Disorders  
(AF; max crs 6; 12 repeats allowed; prereq Can apply max 4 cr or a Grad School program. 25 hrs supervised clinical observation, CSD Grad student or instructor consent) 
Supervised clinical practicum in on-campus clinic and/ or an approved professional setting under supervision of an ASHA certified speech-language pathologist. 
1 hr seminar per wk 
Course time arranged in the RFP Clinic on Mondays, Tuesdays, Wednesdays, and Thursdays and starts Monday, May 20, 2013 - Friday, June 28, 2013. There is one Friday (June 28, 2013) as the make-up for the Memorial Day holiday. In addition the Clinic Class will meet on 5/23/13 from 7:00am-7:50am, 6/20/13 from 7:00am-7:50am and 6/28/13 from 12:00 pm -12:50pm.

COURSE TIME
**University of Minnesota – Class Schedule for Duluth Campus**

**Summer 2013**

141 MPAC, 1215 Ordean Court, School of Fine Arts, Duluth, MN 55812-1011
218-726-8562
http://www.d.umn.edu/theatre/

**School of Fine Arts**
May Session

**DN 1001 Introduction to the World of Dance**
(A-F only; meets DLE req of Fine Arts; meets LE req of LE CAT6; meets LIP req of LEIP CAT09)

**EARLY CHILDHOOD STUDIES (ECh)**
May Session

**ECh 2025 Educating the Human Brain**
Issues related to early brain development and the biological underpinnings of early emotional and cognitive development. A biological view of attachment and social vulnerability.

**ECh 4600 Student Teaching in Early Childhood/Primary**
(S-N: max cr 12; prereq 300S, 3007 or instr consent; no Grad School cr)
Application of skills, understanding, and knowledge related to working with children from birth through age four.

**ECONOMICS (Econ)**
330A LSBE, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN 55812-3011
218-726-7284
http://lsbe.umn.edu/economics/economics.php

**Labovitz School of Business & Economics**
May Session

**Eco 1023 Principles of Economics: Micro**
(A-F only; prereq Min 15 cr or dept consent; meets DLE req of Social Sciences; meets LE req of LE CAT6)
Analyzing free enterprise system through study of product and resource markets. Supply and demand, utility, production and cost, market structure, resource use, market failures, regulatory role of government, and real-world applications of these concepts.

**Eco 3311 Money and Banking**
Max Session
(A-F only; prereq 2022, Econ major or micro or LEIS cand) Role of financial institutions and markets, emphasis on Federal Reserve System and its control of commercial banking system, monetary theory and policy, and international economics.

**Eco 5022 Principles of Economics: Macro**
(A-F only; prereq Min 15 cr or dept consent; meets DLE req of Social Sciences; meets LE req of LE CAT6)
Analyzing overall performance of an economic system. National income accounting and theory, unemployment,
Summer 2013

(Edu) (A-F only; prereq Min 60 cr or coll grad, 3412 or 5412, 5414 or instruction consent)
Designing completely online courses and hybrid (partially face-to-face and partially online) courses. Instructional design, method, technology tools, and real-world application of these concepts.

(Edu) (A-F only; prereq Min 60 cr or coll grad, 3412 or 5412, 5414 or instruction consent)
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Designing completely online courses and hybrid (partially face-to-face and partially online) courses. Instructional design, method, technology tools, and real-world application of these concepts.
University of Minnesota – Class Schedule for Duluth Campus

College of Education & Human Service Professions

EHS 5990 Research Project
(S-N; max crs 12 cr)
Faculty-supervised research project required for MEd
81412--001 LEC, 06/10-13/08/30-13, instruction mode: Classroom; Beary, Thomas H., 4 cr
81413--002 LEC, 06/10-13/08/30-13, instruction mode: Classroom; Emst, Julie Ann, 6 cr
81414--003 LEC, 06/10-13/08/30-13, instruction mode: Classroom; Gilbertson, Ken Lloyd, 6 cr

EDUCATION, SECONDARY (EdSe)
150 EduE, 412 Library Drive, College of Education and Human Service Professions, Duluth, MN 55812-3029
218-726-7233
http://www.d.umn.edu/educ/

College of Education & Human Service Professions

EdSe 4120 Philosophy and Organization of the Middle School
(A-F only; prereq Secondary majors admitted to teacher education or pre-primary education majors, 45 cr; credit will not be granted if already received for S120) Philosophies and organization and structure of middle schools. Assessment of benefits, drawbacks, and rationales. 3 cr
83369--001 LEC, 06/03-13/07-12/13, instruction mode: Completely Online, Limited to 15; Johnson, Christopher William, 2 cr

EdSe 4214 Teaching Content-Area Reading
(A-F only; Credit will not be granted if credit has been received for EDSE 4215, EDSE 4212) Teaching reading within 5-12 content-area courses as pedagogy for improving literacy. Development of the brain, cognition, and reading. Exploration of stages of literacy, methods for promoting reading, and strategies for improving comprehension. Lesson planning for content-area reading. Diverse learners and critical literacy in the content-area classroom. 3 cr
80906--001 LEC, 06/03-13/07-12/13, instruction mode: Completely Online, Limited to 25; Johnson, Christopher William, 2 cr

Summer Session

Engl 4097 Internship for English Majors
(S-N; max crs 12; prereq 4100, 4501, appropriate methods courses; no Grad School cr) Practicum in secondary or middle school under direction of licensed teacher. Demonstration of subject matter, teaching competence, and potential for future improvement. 3 cr
88365--001 FWK, 05/20-13/08/2-13, instruction mode: Classroom; classroom, 6 cr

EMgt 5991 Independent Study
(A-F only; max crs 6; repeats allowed; prereq dept consent; no Grad School cr)
Directed Independent study, reading, and/or projects in elementary or middle school education of interest to student. 3 cr
81504--003 IND, 05/20-13/06/17/13, instruction mode: Independent/Directed Studies; Guldbraendsen, Frank A, 1 cr

Summer Session

Engineer Management (Emgt)

EMgt 5991 Independent Study in Engineering Management (max crs 6; 6 repeats allowed; prereq MSEM, dept consent)
Directed study of special interest topics not available in standard curriculum. Must be arranged with instructor before registration. May include readings, research and/or special project.
80968--001 IND, 06/10-13/08/23-13, instruction mode: Classroom; Rosandich PhD, Ryan G; Chen, Hongyi; Williams, Richard R, 1-6 cr

Emgt 8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))
No description
80895--001 IND, instruction mode: Classroom; Chen, Hongyi; Rosandich PhD, Ryan G, 1-18 cr

Engl 1582 Introduction to World Literatures (max crs 8; 1 repeats allowed; prereq MSEM or Grad School student, dept consent)
Directed research or study on an advanced topic.
80969--001 IND, instruction mode: Classroom; Chen, Hongyi; Rosandich PhD, Ryan G, 1-8 cr

ENGLISH (Engl)

140 H, 1201 Ordean Drive, College of Liberal Arts, Duluth, MN 55812-3011
218-726-8228
http://www.d.umn.edu/engl/

College of Liberal Arts

Summer Session

Engl 5997 Directed Research (max crs 8; 8 repeats allowed; prereq MSEM or Grad School student, dept consent)
Directed research or study on an advanced topic.
80969--001 IND, instruction mode: Classroom; Chen, Hongyi; Rosandich PhD, Ryan G, 1-8 cr

English Literature II (A-F only; meets DLE req of Global Perspectives; meets DLE req of Humanities; meets LE req of LE CAT; meets LEIP req of LEIP CAT09)
Sampling of literary works mainly from Middle East, Africa, East and South America.
88357--001 LEC, 01:00pm-05:35pm MTWTh, RPI 309, 05/20-13/06/07/13, instruction mode: Classroom; Limited to 20; Kress, Simon B, 4 cr

Engl 3564 American Literature II (A-F only; meets DLE req of Cultural Diversity in the US; meets DLE req of Humanities)
Historical survey of important authors, movements, conventions, genres, and themes: Civil War to present.
88456--001 LEC, 09:30am-02:55pm MTWTh, RPI 385, 05/20-13/06/07/13, instruction mode: Classroom; Limited to 20; Brier, Evan, 4 cr

Summer Session

Engl 4097 Internship for English Majors (S-N; max crs 8; prereq minimum 60 credits, instructor consent; no grad credit)
Supervised practical experience in an approved business, agency, or organization seeking student interns with strong skills and/or knowledge in English. Placement is in a variety of work fields, including publishing, museumship librarianship, theatre, and public service.
81009--001 FWK, 06/10-13/06/23-13, instruction mode: Classroom; Bock, Carol Ann, 1-4 cr

Summer Session

Engl 5907 Graduate Internship (S-N; max crs 3; prereq 8906, instructor consent)
Supervised practical experience in an approved business, agency, or organization seeking student interns with strong skills and/or knowledge in English. Placement is in a variety of work fields including publishing, museumship,
Summer 2013

ESAT 4996 Internship
(S-N only; max crs 12; 4 repeats allowed; prereq 3420, exercise candidate, instr consent; no Grad School cr)
Supervised field internship experience in hospital, fitness facility, or agency setting.
80908 – 030 FWK, 05/18/13-08/30/13, instruction mode: Classroom, Limited to 5; Harkins, Kenneth J, 3 cr; Arranged.

FAMILY MEDICINE (FMed)
142 Smed. 1035 University Drive, University of Minnesota School Duluth, Duluth, MN 55812-3011 218-726-8552
http://www.fm.umn.edu/

Medical School - Duluth Campus
Summer Session

FMed 5511 Independent Study
(max crs 12; max 12 repeats allowed; prereq Department consent)
Intensive, independent study project of student’s interest in medical research, interdisciplinary fellowship, preceptorshop in rural health care delivery, or another medical area approved by Department of Family Medicine.
80829 – 001 LAB, 05/06/13-08/28/13, instruction mode: Classroom, 1-8 cr

FINANCE & MANAGEMENT INFORMATION (FMIS)
3350 LSB, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN 55812-3011 218-726-7532
https://lsbe.umn.edu/fmis/fmis.php

Labovitz School of Business & Economics
May Session

FMIS 2201 Information Technology in Business
(A-F only; Credit will not be granted if credit has been received for: CS 1011; prereq LSB student or Computer Information Systems majors, min 15 or college consent)
Introduction to information technology (IT) concepts: computer hardware and software; use of personal productivity tools (spreadsheet, database, and presentation software); system development processes; Web technologies; applications of IT in business processes.
80890 – 001 LEC, 08:00am-10:55am MTWThFsu, LSB 237, 05/20/13-06/07/13, instruction mode: Classroom, Limited to 30; Combined with: 80971 FMIS 2201, 3 cr (LSBE students)
80891 – 002 LEC, 08:00am-10:55am MTWThFsu, LSB 237, 05/20/13-06/07/13, instruction mode: Classroom, Limited to 5; Combined with: 80970 FMIS 2201, 3 cr (Computer Information Systems major)

FMIS 3141 Business Communications
(A-F only; prereq LSB econ or Econ major or college consent)
Principles of business communication and their application to oral, written, and nonverbal communication.
80701 – 001 LEC MTWThF, 05/20/13-06/07/13, instruction mode: Classroom, Limited to 5; Completely Online, Limited to 27; Combined with: 80949 FMIS 3141; Wang, Junhua, 3 cr
FMIS 3671  Business Communications

Fundamental concepts of managerial decision making, time value of money, valuation, risk and return, financial statement analysis, short-run financial management, capital budgeting, cost of capital, long-term financing, and corporate taxation.

FMIS 3644 International Finance

(A-F only; prereq 3601, LSBE cand or college consent) Comprehensive framework and analysis for financial management, including international financial markets, exchange rates and international firms, elements of international investments, financing decisions, and strategy formulation.

FMIS 3601 Advanced Study in Business

(A-F only; prereq 3601, LSBE cand or college consent) In-depth study of topics in greater depth than, regular course offerings. Consent required.

FOREIGN STUDIES (FORS) UMD-Academic Affairs

FORS 1101 International Education

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

FORS 1102 International Education

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

FORS 1103 International Education

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

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FORS 1105 International Education

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FORS 1110 International Education

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FORS 1111 International Education

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FORS 1112 International Education

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FORS 1113 International Education

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FORS 1119 International Education

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

FORS 1120 International Education

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

FORS 1121 International Education

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

FORS 1122 International Education

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FORS 1123 International Education

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

FORS 1124 International Education

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

FORS 1125 International Education

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

FORS 1126 International Education

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

FORS 1127 International Education

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

FORS 1128 International Education

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

FORS 1129 International Education

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

FORS 1130 International Education

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

FORS 1131 International Education

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

FORS 1132 International Education

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FORS 1149 International Education

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FORS 1150 International Education

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

FORS 1151 International Education

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

FORS 1152 International Education

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FORS 1159 International Education

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

FORS 1160 International Education

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

FORS 1161 International Education

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

FORS 1162 International Education

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FORS 1167 International Education

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

FORS 1168 International Education

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

FORS 1169 International Education
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instruction Mode</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORS 2202</td>
<td>International Education (max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office)</td>
<td>Study abroad course</td>
<td>1-2 cr</td>
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<td>FORS 2003</td>
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<td>Study abroad course</td>
<td>1-2 cr</td>
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<td>FORS 3175</td>
<td>HLTH 3990 Holistic Health the Hawaiian Way</td>
<td>Study abroad course</td>
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<td>81477</td>
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<tr>
<td>FORS 3301</td>
<td>International Education (max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)</td>
<td>Study abroad course</td>
<td>1-2 cr</td>
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<tr>
<td>81478</td>
<td>--001 LEC, instruction mode: Study Abroad, 1-2 cr</td>
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<tr>
<td>FORS 3302</td>
<td>International Education (max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)</td>
<td>Study abroad course</td>
<td>1-2 cr</td>
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<tr>
<td>81479</td>
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<td>FORS 4400</td>
<td>International Education (max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office)</td>
<td>Study abroad course</td>
<td>1-2 cr</td>
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<td>81480</td>
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<tr>
<td>FORS 4401</td>
<td>International Education (max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office)</td>
<td>Study abroad course</td>
<td>1-2 cr</td>
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<tr>
<td>81482</td>
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<td>FORS 4402</td>
<td>International Education (max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office)</td>
<td>Study abroad course</td>
<td>1-2 cr</td>
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<tr>
<td>81483</td>
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<tr>
<td>FORS 4403</td>
<td>International Education (max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)</td>
<td>Study abroad course</td>
<td>1-2 cr</td>
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<tr>
<td>81484</td>
<td>--002 LEC, instruction mode: Study Abroad, 1-2 cr</td>
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<td>FORS 5500</td>
<td>International Education (max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)</td>
<td>Study abroad course</td>
<td>1-2 cr</td>
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<tr>
<td>81548</td>
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**FOREIGN STUDIES (FST)**

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<th>Course Code</th>
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<th>Instruction Mode</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>FST 4258</td>
<td>Intb 4495 Business Dynamics in Korea and Japan (max crs 20; prereq Admission to an approved study abroad program requires consent from the International Education Office.)</td>
<td>Study abroad course</td>
<td>1-2 cr</td>
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<tr>
<td>81474</td>
<td>--001 LEC, instruction mode: Study Abroad, 1-2 cr</td>
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**GEOPHYSICAL INFORMATION SCI-ENCE (GIS)**

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<th>Course Code</th>
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<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>GIS 3951</td>
<td>Independent Study in GIS (A-F; max crs 6; prereq GIS major and instructor consent)</td>
<td>Independent/Directed Studies; Charless, Lauren, 3 cr</td>
<td>1-20 cr</td>
<td>Admission to an approved study abroad program; limited to 20, Thol; Nathan L, 3 cr</td>
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</tr>
<tr>
<td>GIS 3957</td>
<td>Internship in GIS (A-F; max crs 8; prereq GIS major with minimum 60 credits and instructor consent)</td>
<td>Scheduled assignments with direct supervision in public agencies or relevant private firms.</td>
<td>1-20 cr</td>
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<tr>
<td>GIS 3959</td>
<td>Independent Study in GIS (A-F; max crs 6; prereq Instructor consent)</td>
<td>Independent/Directed Studies; Charless, Lauren, 3 cr</td>
<td>1-20 cr</td>
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<tr>
<td>GIS 3969</td>
<td>Internship in GIS (A-F; max crs 8; prereq GIS major with minimum 60 credits and instructor consent)</td>
<td>Scheduled assignments with direct supervision in public agencies or relevant private firms.</td>
<td>1-20 cr</td>
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**GEOGRAPHY (Geog)**

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<th>Prerequisites</th>
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<tr>
<td>Geog 2306</td>
<td>Environmental Conservation (A-F; meets DLE req of Sustainability; meets LE req of LE CAT6)</td>
<td>Independent/Directed Studies; Zhu, Tongxin, 1-3 cr</td>
<td>1-6 cr</td>
<td>Max 4 cr can be repeated</td>
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<tr>
<td>Geog 2552</td>
<td>Introduction to Maps and Geospatial Information (A-F; only meets DLE req of Logical &amp; Quantitative Reasoning; meets LE req of LE CAT6)</td>
<td>Completely Online, Limited to 35; Zhu, Tongxin, 3 cr</td>
<td>1-2 cr</td>
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<tr>
<td>Geog 3911</td>
<td>Independent Study in Geography (A-F; max crs 6; 6 repeats allowed; prereq Max 4 cr or can be applied to Graduate School program; instr consent)</td>
<td>Independent/Directed Studies; Zhu, Tongxin, 1-4 cr</td>
<td>1-6 cr</td>
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**GEOL OGY (Geol)**

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<th>Course Code</th>
<th>Course Title</th>
<th>Instruction Mode</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Geol 3901</td>
<td>Independent Study (max crs 4; 4 repeats allowed; prereq instructor consent)</td>
<td>Directed readings and projects on topics not normally covered in other courses.</td>
<td>10-12 cr</td>
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<tr>
<td>Geol 3996</td>
<td>Field Internship in Geoscience (S-N; max crs 4; 2 prereq, co-exp 3212)</td>
<td>Credit given for professional field work experience outside an academic department. Requires prior departmental approval and coordination with faculty sponsor.</td>
<td>1-2 cr</td>
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<tr>
<td>Geol 4500</td>
<td>Field Geology (A-F only; prerequisite, dept consent; no grad credit)</td>
<td>Geological mapping of sedimentary, igneous, and metamorphic terrains and of Quaternary deposits and landforms; topographic maps and aerial photographs, including preparation of geologic maps and cross sections, and map unit descriptions.</td>
<td>10-12 cr</td>
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**Swenson College of Science & Engineering**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instruction Mode</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Geo 3091</td>
<td>Independent Study</td>
<td>Classroom to Limited to 20; Stan; Tolman, 4 cr</td>
<td>1-2 cr</td>
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</table>
University of Minnesota – Class Schedule for Duluth Campus

Geol 8444 FTE: Doctoral
(NGA; prereq for predoctoral student, adviser and DGS consent)
(No description)
80845 -001 IND, instruction mode: Classroom, 1 cr

Geol 8666 Doctoral Pre-Thesis Credits
(NGA; max of 12; prereq Max 6 per or 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)
(No description)
80847 -001 IND, instruction mode: Classroom, 1-6 cr

Hlth 8777 Thesis Credit: Master’s
(NGA; max of 50; 10 repeats allowed; prereq Max 18 cr per semester or summer; 10 or required total (Plan A only)
(No description)
80849 -001 IND, instruction mode: Classroom, 1-18 cr

Geol 8888 Thesis Credits: Doctoral
(NGA; max of 50; 10 repeats allowed; prereq Max 18 cr per semester or summer; 24 cr required)
(No description)
80851 -001 IND, instruction mode: Classroom, 1-24 cr

GERMAN (Ger)
457 H, 1201 Ordean Court, College of Liberal Arts, Duluth, MN 55812-3011
218-726-7951
http://www.lsb.e.d.umn.edu/languages:German.php

Graduate School (Grad)

Grad 999 Graduate School Active Status
(NGA; 90 repeats allowed; prereq Grad Students Only)
A zero-credit registration mechanism for Grad School students who must register solely to meet the Grad School's registration requirement. Registration requirements established by departments and agencies within or outside the University (which include, but are not restricted to registration required to hold an assistantship, athletic eligibility, maintain legal visa status or defer loans) are NOT met by Graduate Registration.
80892 -001 IND, instruction mode: Classroom, Limited to 300, 0 cr

HEALTH (Hlth)

Hlth 1100 Health and Wellness Strategies for Life
(A-F; meets LE req of LE CAT)
A lecture series introducing students to health and well-being encompassing nutritional, physical, emotional and spiritual aspects of health and well-being with emphasis on behavioral, environmental and social influences on developing a satisfying and productive lifestyle in our society.
81405 -001 IND, instruction mode: Independent/Directed Studies; Zinn, Gena, 1 cr
81450 -001 IND, instruction mode: Classroom, Limited to 300, 0 cr

HCM 4591 Independent Study
(A-F; max crs 3; prereq LSBE candidate, instr consent, no Grad School cr)
Special work in health care management that extends beyond or in greater depth than regular course offerings.
81050 -001 IND, ID: 10/13-08/22/13, instruction mode: Independent/Directed Studies; Schultz, Jennifer, 1-3 cr

HCM 4597 Internship
(A-F; prereq LSBE candidate, consent of program director or internship director, no Grad School cr)
Work-integrated learning program providing practical experiences within industries. Students participate in approved programs within cooperating businesses, governmental agencies, or civic organizations. Requires a minimum of 200 hours of work experience, assigned written reports, and performance evaluations.
80995 -001 FWK, 05/18/13-09/02/13, instruction mode: Internship; Rice, Kristin, 1-3 cr

HEALTH, PHYSICAL EDUCATION AND RECREATION (HPER)

110 SpHC, 1216 Ordean Court, College of Education and Human Service Professions, Duluth, MN 55812-3011
218-726-7120

This information is accurate as of: 02/01/2012
This information is accurate as of: 02/01/2012
MGT 4413. Leadership

(A-F; prereq 3801, LSBEE cand or college consent)

A survey of the leadership literature aimed at the development of an understanding of leaders and the leadership process. An exploration of such questions as: Who is a person? What does leadership mean to a potential leader? What is the nature of leadership as a process? How do leaders influence others? What is participative leadership? What is charismatic and transformational leadership?

MGT 4831. Compensation Systems

(A-F; prereq 3801, LSBEE cand or college consent)

Theory, design, and practice of employee compensation systems. Impacts of compensation, economic and institutional forces influencing employer compensation policies and practices, supplemental forms of compensation and administrative practices.

MGT 3941. Independent Study

(A-F; max crs 3; prereq dept consent)

For students wishing to do special work in strategic, organizational, human resource, or marketing management that extends beyond, or in greater depth than, regular course offerings.

MKTG 3797. Marketing Internship

(A-F; prereq 3701, LSBEE cand or college consent)

This course provides an overview of various aspects of social media marketing, including: (1) the social media planning process (2) how social media marketing platforms are coordinated with other traditional promotional elements (advertising, public relations, consumer promotion, customer service, personal selling) as a part of an integrated marketing communications campaign.

MKTG 3767. Marketing Analytics Summer Internship

(A-F only; prereq Marketing Analytics Major or Minor) Students with an opportunity to work as a member of a marketing analytics team for a minimum of 100 hours during the summer. The internship students have the opportunity to apply their analytical knowledge and skills in a chosen business or industry sector.

MKTG 3791. Independent Study

(A-F; max crs 3; prereq dept consent)

For students wishing to do special work in marketing that extends beyond, or in greater depth than, regular course offerings.

MKTG 3880. Strategic Management

(A-F; max crs 3; prereq 3801, LSBEE cand, or consent)

Requires design and administration of community-related project involving volunteers. Interns identify project, contact appropriate persons, obtain approval, and submit written proposal. Requires completion of minimum of 100-300 hours, maintenance of weekly journal, oral presentation, and written analysis.

MKTG 441. Strategic Management

(A-F; prereq 3401, 3801, Mktg 3701, FMS 3301, FMS 3601, 90 cr, LSBEE cand or college consent; no Grad School credit)

Integration of basic functions of marketing, finance, production, and behavioral sciences. Emphasis on organizational environments and development and implementation of competitive strategies that respond to societal, political, and economic conditions from perspective of top managers.

MKTG 4200. Marketing Strategy

(A-F only; prereq Grad student or instr consent) Focus on digital technologies for advocacy and organizing and the challenges for democracy in a digital age. Students will consider the opportunities and risks of digital media for connected activism and public-policy making, and explore issues relating to digital justice and regulatory policy issues affecting digital networking. (3) use existing software and application to find the data and research needed to build communities and make informed policy.

MAPL 5400. Political Organizing and Advocacy in the Digital Age

(A-F only; prereq Grad student or instr consent)

Focus on digital technologies for advocacy and organizing; and the challenges for democracy in a digital age. Students will consider the opportunities and risks of digital media for connected activism and public-policy making, and explore issues relating to digital justice and regulatory policy issues affecting digital networking. (3) use existing software and application to find the data and research needed to build communities and make informed policy.

Master of Business Administration (MBA)

MS 55812. 3011

http://www.d.umn.edu/cla/mapl/

College of Liberal Arts

Summer Session

MAPL 5400. Political Organizing and Advocacy in the Digital Age

(A-F only; prereq Grad student or instr consent)

Focus on digital technologies for advocacy and organizing; and the challenges for democracy in a digital age. Students will consider the opportunities and risks of digital media for connected activism and public-policy making, and explore issues relating to digital justice and regulatory policy issues affecting digital networking. (3) use existing software and application to find the data and research needed to build communities and make informed policy.

LAB 0070 – 8000 LEC, 03:00pm-09:00pm F, TBA, ROCHESTER, 07/12–07/13–07/14–07/15–07/16, 08:00am-12:30pm T, B, ROCHESTER, 07/16–07/17–07/18, 08:00am-12:30pm T, B, ROCHESTER, 07/17–07/18–07/19, 03:00pm-09:00pm F, TBA, ROCHESTER, 08/09–08/10–08/11–08/12, 08:00am-12:30pm S, TBA, ROCHESTER, 08/13–08/14–08/15, 08:00am-12:30pm T, B, ROCHESTER, 08/15–08/16–08/17–08/18, 08:00am-12:30pm S, TBA, ROCHESTER, 08/24–08/25–08/26, 12:30pm-5:00pm T, B, ROCHESTER, 08/26–08/27–08/28, 08:00am-12:30pm T, B, ROCHESTER, 08/28–08/29–08/30, 12:30pm-5:00pm T, B, ROCHESTER

MKTG 3791. Independent Study

(A-F; max crs 3; prereq dept consent)

For students wishing to do special work in marketing that extends beyond, or in greater depth than, regular course offerings.

MKTG 3797. Marketing Internship

(A-F; prereq LSBEE cand, consent of internship director; credit will not be granted if already received for Mktg 3797)

Work-integrated learning program providing practical experiences within students’ major. Students participate in approved program within cooperating businesses, governmental agencies, or civic organizations. Requires minimum of 200 hours work experience, assigned written reports, and performance evaluations.

MKTG 3880. Strategic Management

(A-F only; prereq Grad student or instr consent) Focus on digital technologies for advocacy and organizing; and the challenges for democracy in a digital age. Students will consider the opportunities and risks of digital media for connected activism and public-policy making, and explore issues relating to digital justice and regulatory policy issues affecting digital networking. (3) use existing software and application to find the data and research needed to build communities and make informed policy.

This information is accurate as of: 02/01/2012

University of Minnesota – Class Schedule for Duluth Campus   Summer 2013

MgtS 4413. Leadership

(A-F; prereq 3801, LSBEE cand or college consent)

A survey of the leadership literature aimed at the development of an understanding of leaders and the leadership process. An exploration of such questions as: Who is a person? How do people come to the position of a leader? What is the nature of leadership as a process? How do leaders influence others? What is participative leadership? What is charismatic and transformational leadership?

MgtS 4831. Compensation Systems

(A-F; prereq 3801, LSBEE cand or college consent)

Theory, design, and practice of employee compensation systems. Impacts of compensation, economic and institutional forces influencing employer compensation policies and practices, supplemental forms of compensation and administrative practices.

MgtS 4841. Strategic Management

(A-F; prereq 3401, 3801, Mktg 3701, FMS 3301, FMS 3601, 90 cr, LSBEE cand or college consent; no Grad School credit)

Integration of basic functions of marketing, finance,
### University of Minnesota – Class Schedule for Duluth Campus

#### Summer 2013

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 1296</td>
<td>Calculus I</td>
<td>Laplace transforms; systems; software; modeling applications</td>
<td>4 cr</td>
<td>07/08/13-08/23/13, Classroom, Limited to 30; Sjoberg, Tom C, 5 cr</td>
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<tr>
<td>Math 3091</td>
<td>Independent Study</td>
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<tr>
<td>Math 3298</td>
<td>Calculus III</td>
<td></td>
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<tr>
<td>Math 3326</td>
<td>Vectors and Matrices</td>
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<tr>
<td>Math 3941</td>
<td>Undergraduate Colloquium</td>
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<tr>
<td>Math 3991</td>
<td>Independent Study</td>
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<tr>
<td>Math 3120</td>
<td>Mathematics Tutorial Project</td>
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<tr>
<td>Math 7777</td>
<td>Thesis Credits: Master’s</td>
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**Notes:**
- **MBA 8995 Special Topics:** (Various Titles to be Assigned) (A-F only; max crs 8; 8 repeats allowed; prereq MBA student or college consent) Special topics on or integrative, interdisciplinary study of problems in accounting, economics, and business administration.
- **Swenson College of Science & Engineering**
- **Math 1296 Calculus I**
  - Prereq: Math ACT 24 or higher or a grade of at least C in Math 1005 or dept consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2; Inequalities, absolute value, graphing functions and partial derivatives; Second part of a standard introduction to calculus.
  - Prereq: Math ACT 24 or higher or a grade of at least C in Math 1005 or dept consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2; Inequalities, absolute value, graphing functions and partial derivatives; Second part of a standard introduction to calculus.

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This information is accurate as of: 02/01/2012

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**Math 1296 Calculus I**

- **Math 1296 Precalculus Analysis**
  - Prereq: Math ACT 24 or higher or a grade of at least C in Math 1005 or dept consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2; Inequalities, absolute value, graphing functions and partial derivatives; Second part of a standard introduction to calculus.

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**Math 3298 Calculus III**

- **Math 3326 Vectors and Matrices**
  - Prereq: Math 1297 or 1597 or (S-N only; max crs 4; 4 repeats allowed; prereq 1290 or 1590) Introduction to the calculus.

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**Math 3941 Undergraduate Colloquium**

- **Math 3991 Independent Study**
  - Max crs 8; 8 repeats allowed; prereq dept consent; must be arranged with instructor and department head before registration.

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**Math 3120 Mathematics Tutorial Project**

- **Math 7777 Thesis Credits: Master’s**
  - Max crs 50; 10 repeats allowed; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only)
Math 8994 Directed Research
(Math crs 4; 4 repeats allowed; prereq 5r standing in engineering discipline, instr consent)
(Directed study of special interest topics not available in standard curriculum. Must be arranged with instructor before registration. May include readings, research and/or special projects.)

ME 5991 Independent Study in Mechanical Engineering
(me crs 6; 6 repeats allowed; prereq MSEM consent, dept consent)
(Directed study of special interest topics not available in standard curriculum. Must be arranged with instructor before registration. May include readings, research and/or special projects.)

MEDICAL AND MOLECULAR PHYSIOLOGY (Phsi)
308 Med, 135 University Drive, University of Minnesota Medical School Duluth, Duluth, MN 55812-3011
http://www.med.umn.edu/duluth/about/home.html

Medical School - Duluth Campus
May Session

Phsi 8777 Thesis Credits: Master's
(NGA; max crs 50; 10 repeats allowed; prereq Max 18 per semester or summer; 10 cr total required (Plan A only))
(No description)

Phsi 8888 Thesis Credits: Doctoral
(NGA; max crs 100; 10 repeats allowed; prereq Max 18 cr per semester or summer; 24 cr required)
(No description)

ME 8008 Directed Study
(max crs 3; 3 repeats allowed; prereq 3rd standing in engineering discipline, instr consent)

ME 6530 Rural Medical Scholars Program I (RMSPI)
(NGA; prereq Med Student)
Introduction to principles of human immunology and histology. Basic science principles, including pharmacology, pathology and physiology of reproductive and endocrine systems. Essential background for understanding findings of clinical medicine related to endocrine regulation of reproduction and homeostasis.

ME 6501 Hematology Immunology Ocyology
(NO A-F only; Credit will not be granted if credit has been received in other course; prereq Med Student)

Mu 1001 Introduction to Music
(NGA; prereq Med Student)

ME 4196 Cooperative Education
(A-F only: Credit will not be granted if credit has been received for IE 4196; max crs 2; prereq BMSE instr consent, 40 Grad School cr)
Practical work experience with employer closely associated with student's academic area; arranged by mutual agreement among student, department, and employer. Biweekly status reports and final written report must be submitted to department.

ME 4200 Cooperative Education II
(A-F only: Credit will not be granted if credit has been received for IE 4200; max crs 2; prereq BMSE instr consent, 40 Grad School cr)
Advanced practical work experience with employer closely associated with student's academic area; arranged by mutual agreement among student, department, and employer. Biweekly status reports and final written report must be submitted to department.

ME 4491 Independent Study in Mechanical Engineering
(max crs 4; 4 repeats allowed; prereq 5r standing in engineering discipline, instr consent)
(Directed study of special interest topics not available in standard curriculum. Must be arranged with instructor before registration. May include readings, research and/or special projects.)

ME 061 Basic Science I
(P-N only; prereq Regs Med Student)
For selected medical students working toward an M.D. who are doing continuing work in their first year. Students must be recommended by the Scholastic Standing Committee or associate dean for student affairs. May be repeated.

ME 062 Basic Science II
(P-N only; prereq Regs Med Student)
For selected students working towards an M.D. who are doing continuing work in their second year. Students must be recommended by the Scholastic Standing Committee or associate dean for student affairs. May be repeated.

ME 6530 Rural Medical Scholars Program I (RMSPI)
(NGA; prereq Med School Student)
Rural Family Medicine, Native American and Minority students clinical, cultural, interprofessional and community experiential program. As health care professional in-training the learner will participate in acute and longitudinal care, electronic portfolio use and Faculty Advisor interaction to develop an understanding of rural medicine and educational competencies. The preceptorship course will be in conjunction with Rural Family Medicine.

ME 6541 Hematology Immunology Ocyology
(NGA; prereq Med Student)

ME 6762 Hormonal and Reproductive Medicine
(NGA; prereq Med Student)
Structure and function of endocrine and reproductive systems. Essential background for understanding findings of clinical medicine related to endocrine regulation of reproduction and homeostasis.

ME 6768 Skin/Musculoskeletal System
(NGA; prereq Med Student)
Interdisciplinary study of integument and musculoskeletal system. Basic sciences of anatomy, microbiology, pathology, pharmacology, and physiology correlated with clinical material.

Mu 1001 Introduction to Music
(NGA; prereq Med Student)

ME 4196 Cooperative Education
(A-F only: Credit will not be granted if credit has been received for IE 4196; max crs 2; prereq BMSE instr consent, 40 Grad School cr)
Practical work experience with employer closely associated with student's academic area; arranged by mutual agreement among student, department, and employer. Biweekly status reports and final written report must be submitted to department.

ME 4200 Cooperative Education II
(A-F only: Credit will not be granted if credit has been received for IE 4200; max crs 2; prereq BMSE instr consent, 40 Grad School cr)
Advanced practical work experience with employer closely associated with student's academic area; arranged by mutual agreement among student, department, and employer. Biweekly status reports and final written report must be submitted to department.

ME 4491 Independent Study in Mechanical Engineering
(max crs 4; 4 repeats allowed; prereq 5r standing in engineering discipline, instr consent)
(Directed study of special interest topics not available in standard curriculum. Must be arranged with instructor before registration. May include readings, research and/or special projects.)

ME 061 Basic Science I
(P-N only; prereq Regs Med Student)
For selected medical students working toward an M.D. who are doing continuing work in their first year. Students must be recommended by the Scholastic Standing Committee or associate dean for student affairs. May be repeated.

ME 062 Basic Science II
(P-N only; prereq Regs Med Student)
For selected students working towards an M.D. who are doing continuing work in their second year. Students must be recommended by the Scholastic Standing Committee or associate dean for student affairs. May be repeated.

ME 6530 Rural Medical Scholars Program I (RMSPI)
(NGA; prereq Med School Student)
Rural Family Medicine, Native American and Minority students clinical, cultural, interprofessional and community experiential program. As health care professional in-training the learner will participate in acute and longitudinal care, electronic portfolio use and Faculty Advisor interaction to develop an understanding of rural medicine and educational competencies. The preceptorship course will be in conjunction with Rural Family Medicine.

ME 6541 Hematology Immunology Ocyology
(NGA; prereq Med Student)

ME 6762 Hormonal and Reproductive Medicine
(NGA; prereq Med Student)
Structure and function of endocrine and reproductive systems. Essential background for understanding findings of clinical medicine related to endocrine regulation of reproduction and homeostasis.

ME 6768 Skin/Musculoskeletal System
(NGA; prereq Med Student)
Interdisciplinary study of integument and musculoskeletal system. Basic sciences of anatomy, microbiology, pathology, pharmacology, and physiology correlated with clinical material.

Mu 1001 Introduction to Music
(NGA; prereq Med Student)
Mu 2005  African Roots of American Music  (meets DLE req of Fine Arts; meets LE req of LE CAT9; meets LCD rec of LE CAT9)  
Traditional African music and culture and their influence on American musical styles.  
88315 – 001 LEC, 09:00am-11:55am MTWThFr, ChpB 813, 05/20/13-06/07/13, instruction mode: Classroom; Limited to: 20; Koehler, Eugene J. 1 cr

Mu 3600  Music in the Elementary Classroom  
(A-F only; prereq Elementary/middle school teacher education candidate; credit will not be granted if already received for: MU 1605 and 3601)  
Functional skills, methods, and materials for teaching music in elementary school classrooms: Music notation, elements of music, philosophies and methodologies, curriculum design and implementation, Integrated arts experiences.  
81290 – 001 LEC, 09:00am-11:55am MTWThFr, H 170, 05/20/13-06/07/13, instruction mode: Classroom, Limited to: 18; , 3 cr 

Summer Session

Mu 1001  Introduction to Music  
(prereq Not for music majors or minors; meets DLE req of Fine Arts; meets LE req of LE CAT9; meets LEIP req of LE CAT9)  
Various historical style periods; listening to develop understanding and enjoyment of music.  
88300 – 002 LEC, 06/10/13-08/02/13, instruction mode: Completely Online, Limited to: 25; Rubin, Justin H. 3 cr

Mu 1004  Music in Film  
(A-F only; meets DLE req of Fine Arts)  
Music in Film explores several aspects of music in motion pictures including its connection to other orchestral music styles, modern and historical, and how it aids in the entertainment of the film. This course examines how many modern films use music storytelling techniques to add to the film’s narrative.  
88297 – 001 LEC, instruction mode: Completely Online, Limited to: 40; Campbell, Jefferson T 3 cr

Mu 1311  Voice-Major  
(A-F; max crs 18; 9 repeats allowed; prereq Music major, dept consent 1 performance major registrar for 3 cr; major instrument only; all others registrar for 2 cr)  
Individual lesson weekly plus arranged group lessons.  
88313 – 001 LEC, instruction mode: Classroom; Wolf, Stanley R; Pierce, Alice O.; Inselman, Rachel Laura 2 cr

Mu 1312  Voice-Non Major  
(A-F; max crs 12; 12 repeats allowed; prereq Non-music major or music major secondary instr; may be repeated)  
Individual lesson: one-half hour weekly.  
81538 – 001 LAB, instruction mode: Classroom, Limited to: 50; Inselman, Rachel Laura; Wolf, Stanley R; McConico, Marcus A; Pierce, John Charles; Graupmann, Jennifer Lee; Pierce, Alice O. 1 cr

Mu 1321  Piano-Major  
(A-F; max crs 18; 9 repeats allowed; prereq PreReq-Music major, performance majors registrar for 3 cr; all others registrar for 2 cr)  
Individual lesson weekly plus arranged group lessons.  
88316 – 001 LAB, instruction mode: Classroom; Lipke-Perry, Tracy Donna 3 cr

Mu 1322  Piano-Non Major  
(A-F only; max crs 12; 12 repeats allowed; prereq Non-music major or music major sec instr; may be repeated)  
Individual lesson: one-half hour weekly.  
88317 – 001 LAB, instruction mode: Classroom, Limited to: 20; Lipke-Perry, Tracy Donna; Chen-Edmund, Jian-Jun; Booker, Sally Joann 1 cr

Mu 1358  Bass - Non-Majors  
(A-F; max crs 12; 12 repeats allowed; prereq Non-music major or music major sec instr)  
Individual bass lesson: one-half hour weekly.  
88318 – 001 LAB, instruction mode: Classroom, Limited to: 5; Booker, Jer. Adam. 1 cr

Mu 1361  Clarinet - Major  
(A-F; max crs 18; 9 repeats allowed; prereq Music major, performance majors registrar for 3 cr; all others registrar for 2 cr)  
Individual clarinet lesson weekly plus arranged group lesson.  
88618 – 001 LAB, instruction mode: Classroom; Combined with: 88619 MU 4361; Schoen, Theodore A; Schoen, Theodore A 2 cr  

Phcl 8888  Thesis Credits: Doctoral  
(NGA; max crs 100; 10 repeats allowed; prereq Max 18 cr per semester or summer; 24 cr required)  
81021 – 002 IND, 07/08/13-08/02/13, instruction mode: Classroom, 1-24 cr

Phcl 8777  Thesis Credits: Master’s  
(NGA; max crs 50; 10 repeats allowed; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))  
80800 – 001 IND, 05/20/13-06/07/13, instruction mode: Classroom, 1-24 cr

Phcl 8778  Thesis Credits: Doctoral  
(NGA; max crs 100; 10 repeats allowed; prereq Max 18 cr per semester or summer; 24 cr required)  
80800 – 001 IND, 05/20/13-06/07/13, instruction mode: Classroom, 1-24 cr

Phcl 4094  Directed Research in Pharmacology  
(A-F only; max crs 10; prereq upper div major instr consent)  
80799 – 001 IND, 05/20/13-06/28/13, instruction mode: Classroom; Trachte, George J. 1-18 cr

Phcl 8833  FTE: Master’s  
(NGA; prereq Master’s student, adviser and DGS consent)  
81021 – 001 IND, 07/08/13-08/12/13, instruction mode: Classroom, 1 cr

Phcl 8866  Doctoral Pre-Thesis Credits  
(NGA; max crs 12; 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))  
81024 – 002 IND, 07/08/13-08/12/13, instruction mode: Classroom, 1-24 cr

College of Education & Human Service Professions  
Summer Session

OJlBE education (OjEd)  
150 Edbe, 412 Library Drive, College of Education and Human Service Professions, Duluth, 55812-3029  
218-726-7233  
http://www.umd.edu/education/
<table>
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<th>Instructor(s)</th>
<th>Credits</th>
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<th>Delivery Type</th>
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<td>Basic Human Physiology for the Health Professions</td>
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<td>Abnormal Psychology</td>
<td>LaCaille, Rick A</td>
<td>4 cr</td>
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<td>Completely Online, Limited to 30; Luong, Alexandra, Lara, 3 cr</td>
<td>Online-Individualized Instruction - Students must be registered and begin the course at the start of the semester, and complete all requirements by the end of the semester. No exceptions. Initial course information will be sent to you via your UMD email account. To activate your account go to <a href="https://www.umn.edu/initiate">https://www.umn.edu/initiate</a>? and follow the directions - Internet-delivered, Bookstore</td>
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**University of Minnesota – Class Schedule for Duluth Campus**

**Summer 2013**
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<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
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<td>Psy 3231</td>
<td>Psychology of Drug Use</td>
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<td>Rec 1201</td>
<td>Outdoor Skills (A-F; prereq: MWR 1028, 1029, or 1030)</td>
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This information is accurate as of: 02/01/2012
University of Minnesota – Class Schedule for Duluth Campus   Summer 2013

SW 5095 Special Topics: (Various Titles to be Assigned) (max crs 12; 12 repeats allowed) Preseminar on contemporary topics of concern to stu-
dents and faculty. Topics announced in Class Schedule. 88271 --001 LEC, 01:00pm-04:15pm MTWTh, Bohl 112, 05/20/13-05/23/13, 01:00pm-04:15pm TThW, Bohl 112, 05/28/13-06/06/13, instruction mode: Partially Online, Limited to 15. Tidnolf, Loss and Coping in Social Work Practice; Dziengei, Lake E, 2 cr

This will be a hybrid course and specific information regarding face to face course time and computer time will be discussed in the first class meeting.

SW 5096 Special Project (S-only; max crs 8; 8 repeats allowed; prereq instr consent) Approval of faculty sponsor and field coordinator required to do a project in generalist or advanced generalist social work practice. Project may closely coordinate with another course or may be an independent area of interest.

81154 --001 FWK, instruction mode: Independent/Directed Studies; Day, Priscilla A, 3 cr

SW 5280 Addressing Alcohol Related Problems in Social Work Practice (max crs 2; prereq Jr or Sr or Grad or Inst consent) A multi-level systems perspective in examining the effects of alcohol problems and its implications for individuals, families and other populations. Topics will include: epidemiology, etiology, screening, assessment, diagnosis, treatment options, specialized populations and various social work practice areas.

81109 --050 IND, instruction mode: Completely Online, Limited to 25. Montano, Muskadee Linda, 1 cr or Online class.

SW 5990 Pro-Field Work (NOA: ) This 0 credit courses is designed to cover the expense of criminal background checks required of all MSW students before they can enroll in their initial field placement with our program (Field for Standard Students and Field for 2 Advanced Students).

81216 --001 FWK, instruction mode: Independent/Directed Studies, Limited to 60, 0 cr

SW 8102 Advanced Research (AF: prereq 8101 or admission to advanced standing MSW program) Application of social science knowledge and skills to evaluate practice and to conduct community-based research and program evaluation projects. Develop a research proposal.

80774 --001 LEC, 08:30am-12:00pm MTWTh, Bohl 112, 06/03/13-06/06/13, 08:30am-12:00pm MTWTh, Bohl 112, 06/24/13-06/27/13, instruction mode: Partially Online, Limited to 20; Smalling, Susan E, 3 cr

This will be a hybrid course and specific information regarding face to face time and computer time will be discussed in the first class meeting.

SW 8235 American Indians and Social Policy (AF: only; prereq 5201 or advanced standing MSW program or Inst consent; credit will not be granted if already received for 5235.) Informs human service providers of policies affecting American Indians, including relationships of tribal governments with the United States and Minnesota governments, the interface between Indian and non-indian service delivery systems, and Indian culture and politics.

81258 --001 LEC, 12:30pm-02:30pm W, Bohl 112, 06/15/13-06/15/13, 12:30pm-02:30pm W, Bohl 112, 06/12/13-06/12/13, 12:30pm-02:30pm W, Bohl 112, 06/19/13-06/19/13, 12:30pm-02:30pm W, Bohl 112, 06/26/13-06/26/13, instruction mode: Partially Online, Limited to 20; Campbell, Evie, 3 cr

This will be a hybrid course and specific information regarding face to face course time and computer time will be discussed in the first class meeting.

SW 8802 Field Placement II (SN: max crs 8; prereq Concurrent registration is required (or allowed) in 8031 or 8332 or 8443 or 8544, SW Grad Student and inst consent) Developing knowledge and skill base for “advanced generalist” practice in a community agency. Concurrent seminar focuses on integrating classroom theories and intervention experiences with experiences with client systems at micro, mezzo, and macro levels of practice. Attention to valuation of minority issues.

80775 --001 FWK, 05/20/13-09/02/13, instruction mode: Classroom; Heltzer, Kathleen Victoria, 3-8 cr 80776 --002 FWK, 05/20/13-09/02/13, instruction mode: Classroom; Heltzer, Kathleen Victoria, 3-8 cr

SW 8991 Practice in the American Indian Community (SN: max crs 4; prereq Soc work grad student, 8771 or 8881, instr consent) Gives MSW students a supervised direct practice experience in the American Indian community. Application of cultural knowledge and culturally competent practice skills.

81093 --001 FWK, 06/10/13-08/12/13, instruction mode: Classroom; Day, Priscilla, A 2 cr

SOCIOLoGY (Soc) 228 Cina. 1123 University Drive, College of Liberal Arts, Duluth, MN 55812-3011 218-726-7801 http://www.d.umn.edu/socanth/

College of Liberal Arts  May Session

Soc 3945 Social Stratification (A-F only; prereq 1101 or CRIM 1301 or CSE 1101 or Anh 1604, min 30 cr or inst consent) Theories and research about the effects of economic inequality in people’s lives. Social class formation and the effects of institutionalized power structures. Intersection of social class, gender and race/ethnicity. Primary focus on the United States but with international comparisons.

88311 --001 LEC, 09:30am-12:25pm MTWTh, Cina 102, 05/20/13-06/07/13, instruction mode: Classroom; Ryan, Linda, 3 cr

Soc 4925 Sociology of Rape (A-F only; prereq 1101 or CRIM 1301 or CSE 1101 or Anh 1604 or WS 1000, 60 cr, or inst consent) Social, moral, and legal definitions and implications of rape.

88312 --001 LEC, 08:00am-10:55am MTWTh, Cina 224, 05/20/13-06/07/13, instruction mode: Classroom; Hamlin, John E, 3 cr

Soc 4991 Independent Study in Sociology May Session

Soc 3006 Deviance (A-F only; prereq 1101 or CRIM 1301, min 15 cr) Behaviors, beliefs, and physical characteristics defined as deviant; legal and other formal and informal reactions to deviance; subjective and objective effects of being defined as deviant.

81322 --001 LEC, 06/10/13-08/12/13, instruction mode: Completely Online, Limited to 30. Wilson, Janelle L, 3 cr

Soc 4979 Internship (SN: max crs 8; prereq Internship coordinator consent, soc or crim major, 4587, WRTT 31xx; no Grad School cr) Supervised internship of at least 300 hours in a setting related to academic preparation and career interests.

80746 --001 FWK, 01:00pm-02:15pm T, Cina 102, 05/20/13-06/07/13, instruction mode: Classroom; Heltzer, Kathleen Victoria, 3 cr

Soc 4999 Honors Project Sociology (A-F only; max crs 8; prereq 90 or approval by dept honors program director; no Grad School credit; maximum 8 credits allowed between SOC 4999 and CRIM 4399; meets HON req of Honors) Advanced individual project in any area of sociology, das- mondronth theoretical and research foundations and resulting in a written report.

81880 --001 IND, 05/20/13-06/07/13, 08:31am-02:31pm, Instruction mode: Independent/Directed Studies; Weidner, Robert R, 1-4 cr Summer Session

Soc 3306 Family Violence (A-F only; prereq 1101 or CRIM 1001, min 15 cr) Theories and research about the effects of economic inequality in people’s lives. Social class formation and the effects of institutionalized power structures. Intersection of social class, gender and race/ethnicity. Primary focus on the United States but with international comparisons.

81880 --001 IND, 05/20/13-06/07/13, 08:31am-02:31pm, Instruction mode: Independent/Directed Studies; Weidner, Robert R, 1-4 cr

Soc 4999 Honors Project Sociology (A-F only; max crs 8; prereq 90 or approval by dept honors program director; no Grad School credit; maximum 8 credits allowed between SOC 4999 and CRIM 4399; meets HON req of Honors) Independent study in sociology. Directed reading, research, or involvement in social action leading to preparation of a paper or other product. credit earned in independent study, may be counted toward the total credits required for the degree.

81880 --001 IND, 05/20/13-06/07/13, 08:31am-02:31pm, Instruction mode: Independent/Directed Studies; Weidner, Robert R, 1-4 cr Summer Session

Summer Session

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This information is accurate as of: 02/01/2012
SpEd 4250 Foundations of Autism Spectrum Disorders (A-F only; Credit will not be granted if credit has been received for: SPED 4455; prereq Not open to BFA Th majors; meets DLE req of Fine Arts; meets LE req of LE CAT10)

SpEd 4345 Foundations in Special Education (A-F only; Credit will not be granted if credit has been received for: SPED 5435; prereq Marchel, Mary A, 4 cr Course will meet in an online learning environment; course meets with SpEd 5250-001.

SpEd 4455 Transitional Planning for Adolescents with Disabilities (A-F only; Credit will not be granted if credit has been received for: SPED 4455; prereq Marchel, Mary A, 4 cr Course will meet in an online learning environment; course meets with SpEd 5250-001.

SpEd 5250 Foundations of Autism Spectrum Disorders (A-F only; Credit will not be granted if credit has been received for: SPED 4250) Includes history, definitions, assessment, characteristics, legal aspects, varying perspectives, and etiology of the Autism Spectrum Disorders.

SpEd 5435 Parent and Professional Communication and Collaboration (Credit will not be granted if credit has been received for: SPED 4435; prereq Japanese 115, 4 cr, postbac or sped minor or instr consent, no Grad School core) Group process, problem solving, decision-making, collaboration, and teamwork applied to the special education process. Techniques for working with parents, professionals, paraprofessionals, and community agencies when planning and implementing Individualized Education Plans.

SpEd 5455 Transitional Planning for Adolescents With Disabilities (A-F only; Credit will not be granted if credit has been received for: SPED 4455; prereq 4433 or 4433, postbac grad or instr consent) Group process, problem solving, decision making, collaboration, and teamwork applied to the special education process. Techniques for working with families, professionals, paraprofessionals, and community agencies when planning and implementing Individualized Education Plans. Because this course is taught concurrently with 4433, it will fulfill the following: one of the remaining course hours required in an online learning environment.

SpEd 5580 Foundations of Fetal Alcohol Spectrum Disorder (A-F only; Credit will not be granted if credit has been received for: SPED 4580) Overview of Fetal Alcohol Spectrum Disorder, including prevention, development, range of severity, historical and current perspectives, legal issues, current research, diagnosis, primary and secondary disabilities, impact on development, and impact on family and community. Practicum.

SpEd 5993 Special Area Project (S-N only; max crs 4; prereq instr consent; no Grad School credit) Special area project for advanced students to substantially further their theoretical knowledge base or professional competencies. 80007 – 231 IN, instruction mode: Classroom, Limited to: 50, 1 cr (Special registration credit $95.00 per undergraduate or collegiate graduate credit. ITSS fee is waived. Memo #94)

STATISTICS (Stat) 140 SCC, 1117 University Drive, Swenson College of Science & Engineering, Duluth, MN 55812-3000

Swenson College of Science & Engineering Summer Session

Stat 2411 Statistical Methods (A-F only; prereq Math ACT 24 or higher or a grade of at least C in Math 1005 or higher or dept consent; meets DLE req of Logic & Quantitative Reasoning; meets LE req of LE CAT2) Graphical and numerical descriptions of data, elementary probability, sampling distributions, estimations, confidence intervals, one-sample and two-sample t-test.

Summer 2013

THEATRE (Th) 141 MPAC, 1215 Ordean Court, School of Fine Arts, Duluth, MN 55812-3011

School of Fine Arts

Th 1051 Introduction to Film (A-F; meets DLE req of Fine Arts; meets LE req of LE CAT9) History and genres of film; how movies are made. Watching and analyzing films and developing an articulate and discerning viewpoint. (2 hrs lect, 2 hrs lab)

Statistics, least squares, elementary probability, confidence intervals, significance tests, and analysis of variance as applied analysis of engineering data.

Theatre and Speech

TOXICOLOGY (Txcl)

TUESDAY, JUNE 11, 2013

Classroom, 6 cr

81255 – 003 FWK, 05/20/13-06/13/13, instruction mode: Classroom, 3 cr

81515 – 450 FWK, 05/20/13-06/13/13, instruction mode: Classroom, 3 cr

Registration for Maawaanjiʼidiwag cohort only

Summer 2013

This information is accurate as of: 02/01/2012

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WATER RESOURCES SCIENCE (WRS)

WS 3891 Independent Study (A-F only; max crs 6; prereq Max 1000 or 2101, instr consent)
Directed readings, research, and/or projects on topics of interest to the student not covered in regular course offerings. Students contract with an individual faculty member. Directed readings, research, and/or projects on women’s studies topics of particular interest to the student.

WS 3897 Internship (S-N only; max crs 9; 3 repeats allowed; prereq 1000, 2101, 3100, 15 or WS or WS-related courses, WS major or minor, 53 cr, instr consent)
Work in public agency, private organization, or service agency offering practical application of women’s studies theories and/or experience not available in classroom. Students must contract with an individual faculty member and with a site supervisor, set goals, fulfill requirements for credit earned, and submit written and oral evaluations of experience. Consult the Women’s Studies website and internship Moodle site for information on local agencies and internship requirements and forms. Work in public agency, private organization, or service agency offering practical application of women’s studies theories and/or experience not available in classroom. Students must set goals, fulfill requirements for credit earned, and submit written and oral evaluations of experience. Consult the Women’s Studies website and internship Moodle site for information on local agencies and internship requirements and forms. Work in public agency, private organization, or service agency offering practical application of women’s studies theories and/or experience not available in classroom. Students must set goals, fulfill requirements for credit earned, and submit written and oral evaluations of experience. Consult the Women’s Studies website and internship Moodle site for information on local agencies and internship requirements and forms. Work in public agency, private organization, or service agency offering practical application of women’s studies theories and/or experience not available in classroom. Students must set goals, fulfill requirements for credit earned, and submit written and oral evaluations of experience. Consult the Women’s Studies website and internship Moodle site for information on local agencies and internship requirements and forms. Work in public agency, private organization, or service agency offering practical application of women’s studies theories and/or experience not available in classroom. Students must set goals, fulfill requirements for credit earned, and submit written and oral evaluations of experience.

US 1000 Introduction to Women’s and Gender Studies (A-F only; meets DLE req of Cultural Diversity in the US; meets DLE req of Social Sciences; meets LE req of LE CAT; meets LECD CAT07)
Introduction to discipline of Women’s Studies - key concept, issues, and debates. Examination of the interactions of gender with class, race, ethnicity, sexual orientation, ability, and geographic location; and the way each of these is socialized. Examination of historical and current national and transnational issues as they relate to women and gender, and of the institutions that shape and impact women and gender roles and relations, including feminism as an interdisciplinary field of study; overview of the many issues related to the current and changing role and status of women. Includes international perspectives.

US 3985 Independent Study (A-F only; max crs 6; prereq 1000 or 2101, instr consent)
Directed readings, research, and/or projects on topics of interest to the student not covered in regular course offerings. Students contract with an individual faculty member. Directed readings, research, and/or projects on women’s studies topics of particular interest to the student.

URS 3097 Internship in Urban and Regional Studies (S-N; max crs 8; 8 repeats allowed; prereq URS major, jr or sr, instr consent)
Scheduled assignments with direct supervision in public agencies or relevant private firms.

URS 3991 Independent Study in Urban and Regional Studies (max crs 6; prereq instr consent)
For students interested in doing advanced work in urban and regional studies. Students must contract with an individual faculty member and with a site supervisor, set goals, fulfill requirements for credit earned, and submit written and oral evaluations of experience. Consult the Women’s Studies website and internship Moodle site for information on local agencies and internship requirements and forms. Work in public agency, private organization, or service agency offering practical application of women’s studies theories and/or experience not available in classroom. Students must set goals, fulfill requirements for credit earned, and submit written and oral evaluations of experience. Consult the Women’s Studies website and internship Moodle site for information on local agencies and internship requirements and forms. Work in public agency, private organization, or service agency offering practical application of women’s studies theories and/or experience not available in classroom. 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**Writing**

**Writ 1120 College Writing**
- (A-F only; prereq Students speaking English as a second language must have TOEFL score of 550; credit will not be granted if already received for COMP 1120)
- Study and practice of writing tasks appropriate for the arts and letters.
- Assignments involve reading and critical thinking skills as well as skills in applying conventions of grammar, style, argumentation, and documentation.
- More information about the course, including reviews, proposals, grant writing, and career documents.
- Classes: 88321 --002 LEC, instruction mode: Completely Online; Carlson, Kendra Marie
- Classes: 81135 --001 LEC, 01:00pm-02:15pm MTWTh, BohH 104, instruction mode: Classroom, Limited to 25; Carlson, Kendra Marie

**Writ 3110 Advanced Writing: Arts and Letters**
- (A-F only; prerequisite 1120 or equivalent, min 60 cr; credit will not be granted if already received for Comp 3110)
- Study and practice of writing tasks appropriate for the arts and letters. Focuses on research and critical thinking skills as well as skills in applying conventions of grammar, style, argumentation, and documentation.
- More information about the course, including reviews, proposals, grant writing, and career documents.
- Classes: 88322 --001 LEC, instruction mode: Completely Online; Aretha, 3 cr
- Classes: 81148 --001 IND, 05/18/13-09/02/13, instruction mode: Independent/Directed Studies; Combined with: 81242 WRIT 4591; Sozansky, Marty, 1-3 cr

**Writ 3121 Advanced Writing: Business and Organizations**
- (A-F only; prerequisite 1120 or equivalent, min 60 cr; credit will not be granted if already received for Comp 3121)
- Study and practice of writing tasks in business and organizations.
- Assignments center on producing professional documents, such as instructions, lab reports, proposals, short and long reports, and career documents.
- Classes: 88322 --001 LEC, instruction mode: Completely Online; Peter, Nancy, J, 3 cr
- Classes: 81147 --001 FWK, 05/18/13-09/02/13, instruction mode: Independent/Directed Studies; Combined with: 81147 WRIT 5591; Sozansky, Marty, 1-3 cr

**Writ 3130 Advanced Writing: Engineering**
- (A-F only; prerequisite 1120 or equivalent, min 60 cr; credit will not be granted if already received for Comp 3130)
- Study and practice of writing tasks in engineering.
- Assignments center on producing professional documents, including lab reports, proposals, short and long reports, and career documents.
- Classes: 81138 --001 LEC, 11:00am-12:15pm MTWTh, BohH 108, instruction mode: Classroom, Limited to 25; Gydina, Marnia L, 3 cr
- Classes: 88325 --002 LEC, instruction mode: Completely Online; Peralta-Drew, Sue Marie, 3 cr

**Writ 3140 Advanced Writing: Human Services**
- (A-F only; prerequisite 1120 or equivalent, min 60 cr; credit will not be granted if already received for Comp 3140)
- Study and practice of writing tasks in education as well as other fields related to the human service professions. Designed to prepare students to master their use of Edited Standard Written English while producing professional documents, including a major research project with an oral presentation. Assignments focus on audience, purpose, and the process of writing as they relate to the workplace.
- Classes: 88326 --003 LEC, instruction mode: Completely Online; Redman, Neil Thomas, 3 cr

**Writ 3150 Advanced Writing: Science**
- (A-F only; prerequisite 1120 or equivalent, min 60 cr; credit will not be granted if already received for Comp 3150)
- Study and practice of writing tasks in science, including oral presentations. Exploration of rhetorical situations in professional practice, including research methods, document design, editing, effective collaboration, and ethical issues in the production of professional documents, such as instructions, lab reports, proposals, short and long reports, and career documents.
- Classes: 81140 --001 LEC, 09:30am-10:45am MTWTh, BohH 108, instruction mode: Classroom, Limited to 25; Peterson, Nancy J, 3 cr
- Classes: 88327 --002 LEC, instruction mode: Completely Online; Risdon, Kenneth C, 3 cr
- Classes: 88328 --003 LEC, instruction mode: Completely Online; Risdon, Kenneth C, 3 cr

**Writ 3160 Advanced Writing: Social Sciences**
- (A-F only; prerequisite 1120 or equivalent, min 60 cr; credit will not be granted if already received for COMP 3160)
- Study and practice of writing for those whose professional interests are in sociology, anthropology, geography, criminology, psychology, women's studies, history, political science, and similar fields.
- Assignments center on producing documents encountered in the workplace, such as career documents, proposals, research projects, oral presentations, observational studies, and position papers.
- Classes: 81144 --001 LEC, 11:00am-12:15pm MTWTh, BohH 101, instruction mode: Classroom, Limited to 25; Fuller, Robin Kristie, 3 cr
- Classes: 88329 --002 LEC, instruction mode: Completely Online; Fuller, Robin Kristie, 3 cr

**Writ 4197 Internship in Writing**
- (S-N; Credit will not be granted if credit has been received for: WRIT 5197; max crs 6; prerequisite instr consent, no Grad School cr)
- Practical writing experience with a media organization, publisher, business, or government agency.
- Classes: 81240 --001 FWK, 05/18/13-09/02/13, instruction mode: Independent/Directed Studies; Combined with: 81146 WRIT 5197; Sozansky, Marty, 1-3 cr

**Writ 4591 Independent Study**
- (A-F only; Credit will not be granted if credit has been received for: WRIT 5591; max crs 6; 6 repeats allowed; prerequisite instr consent, no Grad School cr)
- Students choose projects with their instructor.
- Classes: 81242 --001 IND, 05/18/13-09/02/13, instruction mode: Independent/Directed Studies; Combined with: 81147 WRIT 5591; , 1-3 cr

**Writ 5197 Internship in Writing**
- (S-N; Credit will not be granted if credit has been received for: WRIT 4197; max crs 3; 3 repeats allowed; prerequisite instr consent, no Grad School student)
- Practical writing experience with a media organization, publisher, business, or government agency.
- Classes: 81146 --001 FWK, 05/18/13-09/02/13, instruction mode: Independent/Directed Studies; Combined with: 81240 WRIT 4197; Sozansky, Marty, 1-3 cr

**Writ 5591 Independent Study**
- (A-F only; Credit will not be granted if credit has been received for: WRIT 4591; max crs 6; 6 repeats allowed; prerequisite College grad or grad school, credit will not be granted if already received for Comp 5991, max 3 cr or may be applied to Grad School prog, instr consent)
- Students choose projects with their instructor.
- Classes: 81147 --001 IND, 05/18/13-09/02/13, instruction mode: Independent/Directed Studies; Combined with: 81242 WRIT 4591; , 1-3 cr

**Writ 8994 Directed Research in Writing Studies**
- (A-F only; max crs 3; 3 repeats allowed; prerequisite Credit will not be granted if already received for Comp 8994; 8902; instr consent)
- Controlled research in methods, materials, and theories (both linguistic and rhetorical) used in composition classes, sometimes involving experiments with composition students in secondary schools and colleges.
- Classes: 81148 --001 IND, 05/18/13-09/02/13, instruction mode: Classroom, 1-3 cr