<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Section</th>
<th>Instructor</th>
<th>Days &amp; Times</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3001</td>
<td>Introduction to Management Accounting</td>
<td>(A-F only; prereq 2050)</td>
<td>White, Paul Andrew</td>
<td>09:55am-11:35am MW, CarlSmgmt L-110</td>
<td>CarlSmgmt L-110, Minneapolis, MN, 55455</td>
</tr>
<tr>
<td>3005</td>
<td>Financial Statement Analysis</td>
<td>(A-F; prereq MBA 6030, MBA 5712)</td>
<td>Gigler, Frank</td>
<td>09:55am-11:35am MW, CarlSmgmt L-114</td>
<td>CarlSmgmt L-114, Minneapolis, MN, 55455</td>
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<tr>
<td>3201</td>
<td>Intermediate Management Accounting</td>
<td>(A-F: prereq 3001, acct or finance major)</td>
<td>Rayburn, Judy Ann</td>
<td>08:00am-09:30am TTh, HHM 1-102</td>
<td>Minneapolis, MN, 55455</td>
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<tr>
<td>3202W</td>
<td>Intermediate Accounting II</td>
<td>(A-F: prereq 5101, acct or mgmt major or mgmt grad student)</td>
<td>Rayburn, Judy Ann</td>
<td>08:00am-09:30am TTh, HHM 1-102</td>
<td>Minneapolis, MN, 55455</td>
</tr>
<tr>
<td>5101</td>
<td>Intermediate Accounting I</td>
<td>(A-F: prereq 5001 or 5010 or 5100 or 6100, acct or finance major)</td>
<td>Rayburn, Judy Ann</td>
<td>08:00am-09:30am TTh, HHM 1-102</td>
<td>Minneapolis, MN, 55455</td>
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<tr>
<td>5153</td>
<td>Fundamentals of Federal Income Tax</td>
<td>(A-F; prereq 2050 or MBA 6030, mgmt or grad mgmt student)</td>
<td>Rayburn, Judy Ann</td>
<td>08:00am-09:30am TTh, HHM 1-102</td>
<td>Minneapolis, MN, 55455</td>
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<tr>
<td>5160</td>
<td>Financial Statement Analysis</td>
<td>(A-F; prereq 5001 or 5010 or 5100, accounting or finance major)</td>
<td>Rayburn, Judy Ann</td>
<td>08:00am-09:30am TTh, HHM 1-102</td>
<td>Minneapolis, MN, 55455</td>
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<tr>
<td>5180</td>
<td>Consolidations and Advanced Reporting</td>
<td>(A-F: prereq 5001, acct major or grad mgmt student)</td>
<td>Rayburn, Judy Ann</td>
<td>08:00am-09:30am TTh, HHM 1-102</td>
<td>Minneapolis, MN, 55455</td>
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<tr>
<td>5236</td>
<td>Introduction to Taxation of Business</td>
<td>(A-F; prereq 5315, acct major)</td>
<td>Rayburn, Judy Ann</td>
<td>08:00am-09:30am TTh, HHM 1-102</td>
<td>Minneapolis, MN, 55455</td>
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<td>5310</td>
<td>International Accounting</td>
<td>(A-F: prereq 5010 or Concurrent registration is required or allowed in 5102)</td>
<td>Rayburn, Judy Ann</td>
<td>08:00am-09:30am TTh, HHM 1-102</td>
<td>Minneapolis, MN, 55455</td>
</tr>
</tbody>
</table>

To register, please contact the University of Minnesota Office of Registration and Information Services.
16194 1001 LEC, 05:45pm-07:45pm Th, MagrathLib 6; Wansley, Debra S, 2 cr

ADULT PSYCHIATRY (AdPy)
612/626-6015, http://www.med.umn.edu/psychiatry

6107 Human Behavior
(max crs 6; P-N only; prereq 1st yr Medical School)

7109 Adult Psychiatry: Duluth
(HNV; prereq SPECIAL INSTRUCTIONS: Students must contact the UMD Department of Family Medicine, 10 University Drive, Duluth, MN 55812 [218-726-7916] at least one month prior to quarterly cancel/add deadline.)

7500 Psychiatry Externship
(HNV)

7501 Elective Rotation in Alcohol Problems Clinics
(max crs 6; HNV; prereq Med 7-500 and AdPy 7-500)

7502 Elective Rotation In Addiction Medicine
(HNV; prereq AdPy 7-500)

7503 Elective Experience in Research in Addiction Medicine
(max crs 6; HNV; prereq Approval of course director)

7505 Assessment and Treatment of Torture Victims
(HNV; prereq 7500, MED 7500, med sr)

7512 Medical-Surgical Psychiatry: Consultation: Liaison
(max crs 4; HNV)

7516 Fairview Recovery Services at Fairview-University Medical Center
(max crs 3; HNV)

7530 Independent Study
(max crs 15; HNV)

7972 Psychiatric Child Fellowship: Year I
(max crs 24; 3 repeats allowed; HNV: prereq Psychiatric resident/fellow, dept consent)

AEROSPACE ENGINEERING AND MECHANICS (AEM)
107 Akerman Hall, 110 Union Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-8000, http://www.aem.umn.edu

1905 Freshman Seminar: Aircraft and Spacecraft
(max crs 4; OPN: prereq Fr)

2011 Statics
(A-F only; prereq PHYS 1301W, Concurrent registration is required (or allowed) in Math 2374 or equiv).

2012 Dynamics
(A-F only; prereq 2011, Concurrent registration is required (or allowed) in Math 2373 or equiv).

2021 Statics and Dynamics
(A-F only; prereq Phys 1301W, Concurrent registration is required (or allowed) in Math 2374 or equiv).

2301 Mechanics of Flight
(A-F only; prereq PHYS 1301W, Concurrent registration is required (or allowed) in Math 2374 or equiv).

4020 Aerodynamics
(A-F only; prereq upper div CSE or grad, 4201) 42968 1001 LEC, 10:10am-12:05pm MW, SmithH 231; Mahtesh, Krishnan, 4 cr

4023 Aerospace Propulsion
(A-F only; prereq 4202, CSE upper div or grad student)

4029 Problems in Fluid Mechanics
(max crs 6; 6 repeats allowed; prereq dept consent)

4303W Flight Dynamics and Control
(A-F; prereq [2012, 2301, [WRIT 1301 or equiv], [CSE upper div or grad student]) or instr consent; meets CLE req of Writing Intensive)

4305 Spacecraft Attitude Dynamics and Control
(A-F only; prereq [4303W or ME 3281], CSE upper div or grad student)

4333 Aerospace Design: Special Projects
(max crs 6; prereq 4331 or instr consent)

4391 Independent Design Project
(A-F; prereq 4331, dept consent)

4495 Problems in Dynamics and Control
(max crs 6; 6 repeats allowed; prereq dept consent)

4501 Aerospace Structures
(A-F only; prereq CSE upper div or grad, 3031 or equiv)

4511 Mechanics of Composite Materials
(prereq 3001, [CSE upper div or grad student])

4595 Problems in Mechanics and Materials
(max crs 6; 6 repeats allowed; prereq dept consent)

4601 Instrumentation Laboratory
(A-F only; prereq CSci 1113, EE 3005, EE 3006, [upper div CSE or grad student])

4702 1001 LEC, 02:30pm-03:20pm MW, MechE 18; Ketema, Yohannes, 3 cr

4795 1002 LAB, 08:00am-11:00am T, Akher21, 3 cr

4894H Senior Honors Thesis
(A-F; prereq Honors student, permission of University Programs Honors Program, AEM major; meets HON req of Honors)

4896 International Professional Experience
(A-F only; prereq CSE upper div, AEM major, dept consent)

5245 Hypersonic Aerodynamics
(A-F only; prereq 4202, [grad student or upper div CSE])

5431 Trajectory Optimization
(A-F only; prereq 4321 or EE 4231 or ME 5281 or equiv)

5503 Theory of Elasticity
(A-F only; prereq 4205 or math 2263 or equiv or instr consent)

5561 Aeroelasticity
(A-F only; prereq 4202, 4301, [grad student or CSE upper div])

6071 1001 IAS, Stop by 107 Akerman Hall for information about registering for this course.; Garrard, William L, 3 cr

65604 1001 LEC, 10:10am-11:00am MW, Akher21; Garrard, William L, 3 cr

6741 1001 SEM, 08:00am-09:55am MW, SmithH 231; Mahtesh, Krishnan, 4 cr

8202 Fluid Mechanics II
(prereq 4201)

8211 Theory of Turbulence I
(prereq 4202)

8253 Computational Methods in Fluid Mechanics
(A-F only; prereq 4201)

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
This page contains the online class schedule for the University of Minnesota Twin Cities Campus for the Spring 2012 semester. It includes course listings with course codes, titles, meeting times, locations, and instructors. The schedule is accurate as of 10/20/2012 at 11:00 PM and subject to change. For the most current information, students should access the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012 online. The document includes details for various courses offered, such as 1201 Racial Formation and Transformation in the United States, African American, African, and African Diasporic Studies, and more. Instructions for registration and computer requirements are also provided. The class schedule is subject to change, and students are advised to check for updates.
<table>
<thead>
<tr>
<th>Code</th>
<th>Section</th>
<th>Instructor(s)</th>
<th>Title</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>4005</td>
<td>01</td>
<td></td>
<td>Applied Crop Physiology and Development (max crs 8; prereq [Chem 1009 or equiv or grad], soil or instr consent)</td>
<td>11:00am-12:15pm T, AlderH 415</td>
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<tr>
<td>4005</td>
<td>02</td>
<td></td>
<td>Applied Crop Physiology and Development (max crs 8; prereq [Chem 1009 or equiv or grad], soil or instr consent)</td>
<td>11:00am-12:15pm T, AlderH 415</td>
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<tr>
<td>5220</td>
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<td></td>
<td>Special Topics in Agriculture (max crs 12; 10 repeats allowed)</td>
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1201 Racial Formation and Transformation in the United States (meets CLE req of Diversity and Soc Justice US) 69234 001 LEC, 10:10am-10:55pm MW, Blegen 120; Meets with: 69599 AAS 1201, 08:00am-08:55pm T, Nichich 110; Meets with: 62065 AMIN 3141; Nichols, John David, 3 cr 5114 American Indian Language Planning (Credit will not be granted if credit has been received for: AMIN 3109; A-F only; preq 3101 or 3102 or instr consent) 62066 1001 LEC, 08:00am-08:55pm T, Nichich 110; Meets with: 62065 AMIN 3141; Nicholas, John David, 3 cr

5141 American Indian Language Planning (Credit will not be granted if credit has been received for: AMIN 3141; A-F only; preq 3101 or 3102 or instr consent) 62066 1001 LEC, 08:00am-08:55pm MW, FolH 108; Meets with: 62065 AMIN 3141; Nichols, John David, 3 cr

3109 Anishinaabe Literature (Credit will not be granted if credit has been received for: ANTH 3143; A-F only) 60238 001 LEC, 04:15pm-05:45pm MW, FolH 108; Meets with: 62039 AMIN 3109; Nicholas, John David, 3 cr

3141 American Indian Language Planning (Credit will not be granted if credit has been received for: AMIN 3141; A-F only; preq 3101 or 3102) 62066 1001 LEC, 08:00am-08:55pm T, Nichich 110; Meets with: 62065 AMIN 3141; Nicholas, John David, 3 cr

3143 Language in American Indian Culture and Society (Credit will not be granted if credit has been received for: ANTH 3143; A-F only) 56344 001 LEC, 11:15am-12:30pm MW, Pilato 110; Meets with: 69669 ANTH 3143; Fairbanks, Brendan George, 3 cr

3201W American Indian Literature (meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive) 49906 002 LEC, 11:15am-12:55pm MWF, Nichich 145; Meland, Millie, 5 cr 67793 1003 LEC, 06:20pm-08:00pm T, Nichich 145; Meland, Carter, 3 cr

3301 American Indian Philosophies (meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US) 60241 001 LEC, 02:30pm-03:45pm MW, Scott Hall, 62065 AMIN 5402; Lawson, Angela, 3 cr

3402 American Indians and the Cinema (A-F only; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US) 50092 002 LEC, 12:45pm-02:00pm MW, Nichich 335; Ghebregzihab, Alex Anthony, 4 cr

3701 Ojibwe Culture and History (meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives) 47577 001 LEC, 09:05am-09:55am MW, Nichich 145; 1 seat reserved for non-PSEO, non-admitted student; Jones, Dennis, 3 cr

3711 Dakota Culture and History (meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives) 47579 001 LEC, 09:45am-11:00am TTh, STS 123; Daretar, Melissa Sue, 4 cr 57203 005 DIS, 12:20pm-01:10pm W, JohH 16; Beam, Donna Jean, 5 cr 57200 002 DIS, 12:20pm-01:10pm W, KoltH 135; Mitchell, Brenda Lynn, 5 cr

3872 American Indian History: 1830 to the Present (Credit will not be granted if credit has been received for: HIST 3872) 58377 001 LEC, 3 cr

4511 American Indian Political Economy (prereq 1001) 58227 001 LEC, 02:30pm-05:00pm T, Akerich 391; Wilkins, David E, 3 cr 4990 Topics in American Indian Studies (meets CLE req of Historical Perspectives) 58895 003 LEC, 1 cr

4994 Directed Research (max crs 18; 18 repeats allowed; prereq instr consent, dept consent, college consent) 50330 001 DRSC, 1-12 cr

4996 Field Study (max crs 18; 18 repeats allowed; prereq instr consent, dept consent, college consent) 48003 001 FWK, 1-12 cr

5109 Anishinaabe Literature (Credit will not be granted if credit has been received for: AMIN 3109; A-F only; preq 3101 or 3107 or instr consent) 60239 001 LEC, 04:15pm-05:45pm MW, FolH 108; Meets with: 62039 AMIN 3109; Nicholas, John David, 3 cr

5170 American Sign Language I (meets CLE req of Diversity and Soc Justice US) 45786 001 DEM, 08:30am-10:25am MW, LES 140C; Meets with: 68929 ANTH 3143; Fairbanks, Brendan George, 3 cr

7012 American Sign Language II (prereq 1701 with grade of at least [S or C- or C]) 49997 001 DEM, 08:30am-10:25am MW, LES 140B; St. Clair, Iyekiyapiwin Jones, Dennis, 3 cr

2525W American Cultural Identities and Inclusion (meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives) 52170 001 LEC, 11:15am-12:30pm MWF, Nichich 145; Pierce, Jennifer L, 3 cr

3114W American's Diverse Cultures (meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive) 58860 001 LEC, 09:45am-11:00am TTh, Kohlh 133; Urquhart, Alex T, 3 cr

3252W American Popular Culture and Politics: 1900 to 1940 (meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives) 57695 001 LEC, 06:20pm-08:50pm M, Mrh 130; Ault, Elizabeth J, 4 cr

3253W American Popular Culture and Politics: 1940 to the Present (meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive) 69137 1007 DEM, 05:10pm-09:05pm T, LES 140A, Meets with: 2525W AMIN 3109; Zeibot, Alexander, 3 cr

404 Freshman Seminar (prereq Prf) 68802 001 SEM, 11:15am-12:30pm TTh, Aptch 319; Ferguson, Roderick A, 3 cr

500 Contemporary Perspectives on Asian American (Credit will not be granted if credit has been received for: AAS 3001; meets CLE req of Diversity and Soc Justice US) 61841 001 LEC, 12:45pm-02:50pm TTh, Scottish 4; Meets with: 50096 AAS 3001; Fajardo, Kate Baltiguie, 3 cr

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
3601 Principles of Human Anatomy
(Credit will not be granted if credit has been received for: ANAT 3001, ANAT 3611; prereq [Biol 1002 or Biol 1009 or Biol 2002 or equiv]. [Concurrent registration is required (or allowed) in 3602 or Concurrent registration is required (or allowed) in 3612], at least soph; credit will not be granted if credit received for: Anat 3001/Anat 3301/Anat 3611/INMD 3001/INMD 3301)

56693 001 LEC, 09:05am-10:55am MWF, BellMaus 100; For spring semester, Principles of Human Anatomy (Anat 3601) is offered instead of Human Anatomy (Anat 3001) which is offered in fall; Weinhaus PhD, Anthony James; Cook, Mark S.; Bauer, G Eric, 3 cr

3602 Principles of Human Anatomy Laboratory
(Credit will not be granted if credit has been received for: ANAT 3612, prereq 3001 or 3001 or INMD 3001 or 3001 or Concurrent registration is required (or allowed) in 3601 or Concurrent registration is required (or allowed) in 3611; To register for lab concurrently with lecture, students must successfully register for lecture first.; credit will not be granted if credit received for: Anat 3001/Anat 3301/Anat 3611/INMD 3001/INMD 3302)

54470 001 LAB, 06:00pm-08:00pm M, JacH 5-167; This lab accompanies Principles of Human Anatomy lecture (Anat 3601/3611) and replaces Anat 3002; Weinhaus PhD, Anthony James; Cook, Mark S., 2 cr

54471 001 LAB, 06:00pm-08:00pm W, JacH 5-167; This lab accompanies Principles of Human Anatomy lecture (Anat 3601/3611) and replaces Anat 3002; Weinhaus PhD, Anthony James; Cook, Mark S., 2 cr

4900 Directed Studies in Anatomy (max crs 18; 3 repeats allowed; S-N; prereq instr consent)

5474 001 DST: Weinhaus PhD, Anthony James; Cook, Mark S., 1-6 cr

5525 Anatomy and Physiology of the Pelvis and Urinary System
(Credit will not be granted if credit has been received for: PHSL 5525; max crs 2; A-F; prereq One undergraduate anatomy course, one undergraduate physiology course, instr consent)

Anat 3601/3611 and replaces Anat 3002; Weinhaus PhD, Anthony James; Cook, Mark S., 2 cr

7600 Advanced Topics in Anatomy (max crs 15; HNV; prereq instr consent)

55539 001 LEC, Weinhaus PhD, Anthony James, 1-5 cr

7601 Advanced Clinical Gross Anatomy I (max crs 8: P-N; prereq 6150 or instr consent)

55992 001 LAB, 2 cr

7602 Advanced Clinical Gross Anatomy II (max crs 6; prereq 7601 or instr consent)

55993 001 LEC, 2-9 cr

ANESTHESIOLOGY (Anes)
B-515 Mayo, 420 Delaware St SE, East Bank Campus, Minneapolis, Minnesota, 55455
612/625-5902, http://physiology.med.umn.edu/

5588 Advanced Clinical Physiology I for Nurse Anesthetists
(A-F only, prereq Advanced Clinical Physiology I for Nurse Anesthetists)
49914 001 LEC, 3 cr

7015 Directed Study, Anesthesia Topics/Project Course Development (max crs 15; HNV)
49915 001 LEC, 1-15 cr

7181 Externship in Clinical Anesthesiology (max crs 6; HNV)
49916 001 CLN, 3-6 cr

7182 Independent Study, Anesthesiology

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
3302 Human and Animal Physiology Laboratory (prereq 3301 or Concurrent registration is required (or allowed in 3301))
61852 001 LAB, 10:40am-12:35pm Th, HckrH 205, STPAUL; Wheaton, Jonathan E, 1 cr
3307 Artificial Insemination Techniques (S-N only; prereq instr consent)
49904 001 LAB MTWTh, ROOM TBA, 12/16/11-08/31/12; Seykora, Anthony James, 1 cr
3501 Farm Animal Environment (prereq 3301, jr or sr instr consent)
47202 001 LEC, 10:40am-12:35am MWF, HckrH 205, STPAUL; Rozeboom, Kyle James, 3 cr
5059 Animal Biotechnology (prereq Biol 4003 or instr consent)
52846 001 LEC, 08:45am-10:00am Th, HckrH 205, STPAUL; Fahrenkrug, Scott Christopher, 3 cr
3511 Animal Growth and Development (prereq College-level biology course)
47281 001 LEC, 10:15am-11:30am Th, FScN 15, STPAUL; Wheaton, Jonathan E, 3 cr
3001 Livestock Merchandising (prereq jr or sr or instr consent)
57502 001 LEC, 10:40am-12:35am MWF, HckrH 205, STPAUL; Rozeboom, Kyle James, 3 cr
4009W Undergraduate Senior Thesis: Science in Agriculture (max crs 12; 12 repeats allowed; A-F only; prereq [jr or sr] major in ScAg, instr consent; meets CLE req of Writing Intensive)
48001 001 THE; Foster, Douglas N, 1-6 cr
4011 Dairy Cattle Breeding (prereq 3221)
48761 001 LEC, 11:45am-12:35am MWF, HckrH 205, STPAUL; Hansen, Leslie Bennett, 3 cr
4092 Special Problems in Animal Science (max crs 4; prereq instr consent)
47600 001 IND, 1-4 cr
4093 Tutorial in Animal Science (max crs 4; prereq instr consent)
47601 001 IND, 1-4 cr
4096 Professional Experience Program: Internship (max crs 6; S-N only; prereq CFANS undergrad, instr consent, agreement form)
47599 001 IEX; Stem, Marshall D, 1-3 cr
56050 002 IEX; Crooker, Brian A, 1-3 cr
56051 003 IEX; Stem, Marshall D, 1-3 cr
56052 004 IEX; El Haiwani PhD, Mohamed E, 1-3 cr
56053 005 IEX; Foster, Douglas N, 1-3 cr
56054 006 IEX; Hansen, Leslie Bennett, 1-3 cr
56055 007 IEX; Hathaway, Marcia R, 1-3 cr
56056 008 IEX; Rozeboom, Kyle James, 1-3 cr
56057 009 IEX; Linn, Jim, 1-3 cr
56058 010 IEX; Mauro PhD, Laura J., 1-3 cr
56059 011 IEX; Ponce de Leon, Federico Abel I, 1-3 cr
56060 012 IEX; Seykora, Anthony James, 1-3 cr
56061 013 IEX; Shurson, Gerald C, 1-3 cr
56062 014 IEX; Ward, Christine, 1-3 cr
56063 015 IEX; Wheaton, Jonathan E, 1-3 cr
56064 016 IEX; White, Michael Ernest, 1-3 cr
56481 017 IEX; Rozeboom, Kyle James, 1-3 cr
58137 018 IEX; Raeth-Knight, Mary Louise, 1-3 cr
59864 019 IEX; Rozeboom, Gretchen Diane, 1-3 cr
4099 Special Workshop in Animal Science (max crs 24; 6 repeats allowed)
47622 001 WKs; Reneau, Jeffrey Kimball, 1-4 cr
56304 002 WKs; Seykora, Anthony James, 1-4 cr
4305 Companion & Wild Species Reproduction (A-F; prereq ANSC 3305)
69218 001 LEC, 09:00am-10:25am Tu, RuttanH B25, STPAUL; Wheaton, Jonathan E, 1-4 cr
4403 Ruminant Nutrition (prereq 2401)
47896 001 LEC, 10:40am-11:30am MWF, RuttanH B25, STPAUL; Wheaton, Jonathan E, 3 cr
4601 Pork Production Systems Management (Concurrent registration is required (or allowed in 4611))
001 LEC, 08:30am-10:25am Th, RuttanH B22, STPAUL; Shurson, Gerald C
47395 002 LAB, 10:40am-12:35pm Th, ROOM TBA, STPAUL; Shurson, Gerald C, 4 cr
4602 Sheep Production Systems Management
001 LEC, 12:50pm-01:40pm MW, HckrH 205, STPAUL; Rozeboom, Kyle James
57488 002 LAB; Rozeboom, Kyle James, 4 cr
4604 Dairy Production Systems Management (prereq Concurrent registration is not allowed in 6141)
001 LEC, 04:00pm-05:00pm M, HckrH 205, STPAUL; 03:00pm-03:50pm T, HckrH 205, STPAUL; Reneau, Jeffrey Kimball
47245 002 LAB, 12:50pm-02:45pm T, HckrH 205, STPAUL; Reneau, Jeffrey Kimball, 4 cr
4611 Advanced Pork Production Systems Management (prereq 4601)
001 LEC, 08:30am-10:25am Th, RuttanH B26, STPAUL; 03/19/12-05/04/12; Shurson, Gerald C
48427 002 LAB, 10:40am-12:35pm Th, ROOM TBA, STPAUL, 03/19/12-05/04/12; Shurson, Gerald C, 2 cr
4612 Tools for Dairy Consultants in the 21st Century (A-F; prereq 4604)
59162 001 LEC; Reneau, Jeffrey Kimball; Endres, Marcia Ines, 2 cr
4614 Advanced Dairy Production Systems Management (prereq 4601)
001 LEC, 04:00pm-05:00pm M, RuttanH B42, STPAUL, 03/19/12-05/04/12; Shurson, Gerald C
48440 002 LAB, 12:50pm-02:45pm T, ROOM TBA, STPAUL, 03/19/12-05/04/12; Reneau, Jeffrey Kimball, 2 cr
5099 Special Workshop in Animal Science (max crs 12; 3 repeats allowed; A-F only; prereq instr consent)
49513 001 WKs, 1-6 cr
8131 Molecular Biology Techniques (Credit will not be granted if credit has been received for: STAT 3011, STAT 5021, EPMN 3021)
001 LEC, 08:30am-10:25am Th, HckrH 205, STPAUL; 03/19/12-05/04/12; White, Michael Ernest
51516 001 LAB, 09:00am-10:50pm Th, STPAUL; 03/19/12-05/04/12; White, Michael Ernest; Meets with: 54697 CMB 8335; Foster, Douglas N, 3 cr
8141 Mixed Model Methods for Genetic Analysis (A-F; prereq 4601 or GenSci 4725; A-F; prereq 3509 or GenSci 4725)
58232 001 LEC, 09:00am-11:00am Th, HckrH 265G, STPAUL, 01/24/12-03/10/12; Day, Yang, 2 cr
8194 Research in Animal Genetics (max crs 3; prereq instr consent)
49514 001 DRS, 1-3 cr
8211 Animal Growth and Development (prereq instr consent)
50027 001 LEC; Dayton, William R; Hathaway, Marcia R, 3 cr
8294 Research in Muscle Chemistry and Physiology (max crs 3; prereq instr consent)
49515 001 DRS, 1-3 cr
8311 Animal Bioenergetics (A-F only; prereq BioC 4351 recommended, instr consent)
52854 001 LEC, 3 cr
8320 Concepts and Developments in Nutritional Physiology (max crs 6; A-F only; prereq instr consent)
**Online Class Schedule**

Visit [http://onestop.umn.edu](http://onestop.umn.edu) for the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1003V</td>
<td>Understanding Cultures: Honors</td>
</tr>
<tr>
<td>48779</td>
<td>LAB, 05:15pm-07:15pm Th, BlegH 345; 1 seat</td>
</tr>
<tr>
<td>48780</td>
<td>LEC, 06:30pm-09:30pm W, WBU AUDITORIUM, 4 cr</td>
</tr>
</tbody>
</table>

**100W Understanding Cultures**

- Credit: must be enrolled in a course for credit.
- Must have a minimum grade of B in this course.
- Must complete prerequisites before enrolling.
- Must have a minimum GPA of 2.0.
- Must complete a research paper.
- Must complete a final exam.
- Must have a minimum score of 80% on the final exam.
- Must complete a class project.

<table>
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<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>31498</td>
<td>Laboratory Techniques in Biology</td>
</tr>
<tr>
<td>48000</td>
<td>AUDITORIUM, 4 cr</td>
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</table>

**1004 Understanding Cultures**

- Credit: must be enrolled in a course for credit.
- Must have a minimum grade of B in this course.
- Must complete prerequisites before enrolling.
- Must have a minimum GPA of 2.0.
- Must complete a research paper.
- Must complete a final exam.
- Must have a minimum score of 80% on the final exam.
- Must complete a class project.

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<tr>
<td>48000</td>
<td>AUDITORIUM, 4 cr</td>
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**3002 Sex, Evolution, and Behavior**

- Must complete prerequisites before enrolling.
- Must have a minimum GPA of 2.0.
- Must complete a research paper.
- Must complete a final exam.
- Must have a minimum score of 80% on the final exam.
- Must complete a class project.

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</table>

**3004 Great Controversies in Anthropology**

- Must complete prerequisites before enrolling.
- Must have a minimum GPA of 2.0.
- Must complete a research paper.
- Must complete a final exam.
- Must have a minimum score of 80% on the final exam.
- Must complete a class project.

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<td>AUDITORIUM, 4 cr</td>
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</table>

**3005W Language, Culture, and Power**

- Must complete prerequisites before enrolling.
- Must have a minimum GPA of 2.0.
- Must complete a research paper.
- Must complete a final exam.
- Must have a minimum score of 80% on the final exam.
- Must complete a class project.

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**3009 Rise of Civilization**

- Must complete prerequisites before enrolling.
- Must have a minimum GPA of 2.0.
- Must complete a research paper.
- Must complete a final exam.
- Must have a minimum score of 80% on the final exam.
- Must complete a class project.

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</table>

**3013 Introduction to Historical Archaeology**

- Must complete prerequisites before enrolling.
- Must have a minimum GPA of 2.0.
- Must complete a research paper.
- Must complete a final exam.
- Must have a minimum score of 80% on the final exam.
- Must complete a class project.

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<td>AUDITORIUM, 4 cr</td>
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</table>

**3143 American Indian Languages and Cultures**

- Must complete prerequisites before enrolling.
- Must have a minimum GPA of 2.0.
- Must complete a research paper.
- Must complete a final exam.
- Must have a minimum score of 80% on the final exam.
- Must complete a class project.

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<td>48000</td>
<td>AUDITORIUM, 4 cr</td>
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</table>

**3401 The Human Fossil Record**

- Must complete prerequisites before enrolling.
- Must have a minimum GPA of 2.0.
- Must complete a research paper.
- Must complete a final exam.
- Must have a minimum score of 80% on the final exam.
- Must complete a class project.

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</table>

**3913 Senior Project Planning**

- Must complete prerequisites before enrolling.
- Must have a minimum GPA of 2.0.
- Must complete a research paper.
- Must complete a final exam.
- Must have a minimum score of 80% on the final exam.
- Must complete a class project.

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<td>48000</td>
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### 4992 Directed Readings

(max crs 6; prereq instr consent)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
<th>Meeting Time</th>
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<tbody>
<tr>
<td>59863 003 LEC</td>
<td>11.15am-12:30pm TTh</td>
<td>STSS 144</td>
<td>Topic pre-requisite: Introduction to Linguistics or Linguistic Anthropology or equivalent; Meets with: 54700 LING 5900; Sheldon PhD, Amy, 3 cr; Language and Gender 61337 004 LEC, 3 cr</td>
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</table>

### 5990 Topics in Archaeology

(max crs 9; 3 repeats allowed; A-F only; prereq instr consent)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
<th>Meeting Time</th>
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<tbody>
<tr>
<td>58533 001 LEC</td>
<td>02:30pm-05:00pm M</td>
<td>BlegH 210</td>
<td>Heritage Management in Archaeology; Meets with: 58571 ANTH 8510; Anfinson, Scott F, 3 cr</td>
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### 8002 Ethnography: Contemporary Theory and Practice (A-F only)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
<th>Meeting Time</th>
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<tbody>
<tr>
<td>68625 001 SEM</td>
<td>T, Room TBA</td>
<td>Tausig, Karen-Sue, 5 cr</td>
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### 8203 Research Methods in Social and Cultural Anthropology

<table>
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<th>Course Title</th>
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<th>Meeting Time</th>
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<tbody>
<tr>
<td>6333 FTE: Masters</td>
<td>(NGA; prereq Master's student, adviser and DGS consent)</td>
<td>4903</td>
<td>001 THE, 1 cr</td>
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### 8666 Doctoral Pre-Thesis Credits

(course max 12 credit hours for doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept cons required for 3rd registration; up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)

<table>
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<th>Course Title</th>
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<th>Instructor</th>
<th>Meeting Time</th>
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<tbody>
<tr>
<td>49415 001 THE</td>
<td>T, Room TBA</td>
<td>Tausig, Karen-Sue, 1 cr</td>
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### 8810 Topics in Sociocultural Anthropology

(max crs 9; 3 repeats allowed)

<table>
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<tr>
<th>Course Title</th>
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<th>Instructor</th>
<th>Meeting Time</th>
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</thead>
<tbody>
<tr>
<td>60840 001 SEM</td>
<td>02:00pm-04:00pm W</td>
<td>CarliSMgmt L22</td>
<td>History, Memory, Haunting; Langford, Jean M, 3-9 cr</td>
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### 8993 Directed Study

(max crs 6; prereq instr consent)

<table>
<thead>
<tr>
<th>Course Title</th>
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<th>Instructor</th>
<th>Meeting Time</th>
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<tbody>
<tr>
<td>60287 002 LAB</td>
<td>01:55pm-03:50pm MW</td>
<td>McNH 212</td>
<td>Experimental Archaeology; Meets with: 58571 ANTH 8510; Anfinson, Scott F, 3 cr</td>
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### 4994 Directed Research

(max crs 6; prereq instr consent; meets CLE req of Writing Intensive)

<table>
<thead>
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<th>Course Title</th>
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<th>Instructor</th>
<th>Meeting Time</th>
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<tbody>
<tr>
<td>59769 002 SEM</td>
<td>01:10pm-03:30pm M</td>
<td>STSS 118</td>
<td>Heritage Management in Archaeology; Meets with: 58571 ANTH 5454; Wells, Peter S, 3 cr</td>
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### 5009 Human Behavioral Biology

(A-only)

<table>
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<tr>
<th>Course Title</th>
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<th>Instructor</th>
<th>Meeting Time</th>
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<tbody>
<tr>
<td>68664 001 LEC</td>
<td>04:15pm-06:00pm TTh</td>
<td>BlegH 430</td>
<td>Pre-requisites: 62283 OPLD 2002; Demerath, Peter, 3-9 cr</td>
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</table>

### 5043 Colonialism and Culture

(Credit will not be granted if credit has been received for: GLOS 5643; A-F only)

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<th>Meeting Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>68664 001 LEC</td>
<td>12:45pm-02:00pm TTh</td>
<td>BlegH 430</td>
<td>Pre-requisites: 62283 OPLD 2002; Demerath, Peter, 3-9 cr</td>
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### 5446 Archaeology of Representation as Communication (A-only)

<table>
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<tr>
<td>65831 001 SEM</td>
<td>02:30pm-04:25pm TTh, BlegH 225</td>
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### 5980 Topics in Anthropology

(max crs 12)

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<th>Meeting Time</th>
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<tbody>
<tr>
<td>69888 Thesis Credit: Doctoral</td>
<td>(max crs 10; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)</td>
<td>49732 001 THE, 1-24 cr</td>
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### 8911 Independent Study

(max crs 18; prereq instr consent)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
<th>Meeting Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>68585 001 IND</td>
<td>Valentine, David, 1-18 cr</td>
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### 9992 Directed Reading

(max crs 18; 3 repeats allowed; prereq instr consent)

<table>
<thead>
<tr>
<th>Course Title</th>
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<th>Instructor</th>
<th>Meeting Time</th>
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<tbody>
<tr>
<td>49777 001 DRS</td>
<td>Beeman, William, 0-1 cr</td>
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### 5041 The Human Fossil Record

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<tr>
<td>59863 003 LEC</td>
<td>11.15am-12:30pm TTh, STSS 144</td>
<td>Topic pre-requisite: Introduction to Linguistics or Linguistic Anthropology or equivalent; Meets with: 54700 LING 5900; Sheldon PhD, Amy, 3 cr; Language and Gender 61337 004 LEC, 3 cr</td>
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</table>

### 58585 001 IND | Valentine, David, 1-18 cr |

### 9993 Directed Reading

(max crs 18; 3 repeats allowed; prereq instr consent)

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<tr>
<td>47174 001 DRS</td>
<td>Beeman, William, 0-1 cr</td>
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### 5053 Colonialism and Culture

(Credit will not be granted if credit has been received for: GLOS 5643; A-F only)

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<tr>
<td>68664 001 LEC</td>
<td>12:45pm-02:00pm TTh</td>
<td>BlegH 430</td>
<td>Pre-requisites: 62283 OPLD 2002; Demerath, Peter, 3-9 cr</td>
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### 5054 Human Behavioral Biology

(A-only)

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<tbody>
<tr>
<td>68664 001 LEC</td>
<td>04:15pm-06:00pm TTh, HHHCtr 389</td>
<td>Human Behavioral Biology; Wilson, Michael Lawrence, 3 cr</td>
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### 5050 Human Behavioral Biology

(A-only; prereq - Introduction to Anthropology or equivalent; Meets with: 54700 LING 5900; Sheldon PhD, Amy, 3 cr; Language and Gender 61337 004 LEC, 3 cr)
3223 Apparel Design Studio III (A-F only; prereq [2222 or DHA 2222] with grade of at least C; A-C at previous University of Minnesota; pass portfolio review; credit will not be granted if credit already received for: DHA 3223)
68930 001 STU, 08:00am-09:55pm TTh, McNH 205, STPAUL, 08:00am-10:05am TTh, McNH 216, STPAUL; Meets with: 69469 014 DIS, 10:40am-12:35pm MW, McNH 216, STPAUL; Dunne, Lucy Elizabeth, 3 cr

3224 Apparel Design Studio IV (A-F only; prereq [2213 or DHA 2213], [3223 or DHA 3323] with grade of at least C; apparel design major; credit will not be granted if credit already received for: DHA 3224)
60685 001 DIS, 11:45am-12:35pm F, McNH 146, STPAUL, 08:30am-10:25am TTh, McNH 216, STPAUL; Dunne, Lucy Elizabeth, 3 cr

3225 Apparel Design Research (A-F; prereq 3234 or Concurrent registration is required (or allowed) in DHA 3224; credit will not be granted if credit already received for: DHA 3225)
60685 001 SEM, 08:30am-10:25am W, McNH 146, STPAUL, 08:30am-10:25am TTh, McNH 216, STPAUL; Class meets every other week; Carlson, Anna M, 1 cr

3228 Portfolio Development (A-F; prereq [2222, DES 2101] or instr consent)
68936 001 STU, 06:15pm-08:15pm M, McNH 146, STPAUL, 06:15pm-08:15pm M, McNH 216, STPAUL; Sowers, Chad Michael, 2 cr

4121 History of Costume (A-F only; credit will not be granted if credit already received for: DHA 4121)
60297 001 LEC, 10:00am-12:35pm MW, McNH 146, STPAUL; Meets with: 61814 01ST, 10:00am-12:35pm MW, McNH 216, STPAUL; Bye, Elizabeth K, 2 cr

4160H Honors Capstone Project (max crs 4; A-F; prereq DHA honors; meets HON req of Honors)
60298 001 LEC, 10:00am-12:35pm MW, McNH 216, STPAUL; Meets with: 61814 01ST, 10:00am-12:35pm MW, McNH 216, STPAUL; Bye, Elizabeth K, 4 cr

4193 Directed Study in Apparel Design (max crs 8; A-F only; prereq Undergrad, instr consent)
60301 001 DST, Bye, Elizabeth K, 1-4 cr
60302 002 DST, LaBat, Karen Louise, 1-4 cr
60303 003 DST, Dunne, Lucy Elizabeth, 1-4 cr
60684 004 DST, DeLong, Marilyn R, 1-4 cr

4196 Internship in Apparel Design (Credit will not be granted if credit has been received for: GDES 4196, HSG 4196, RM 4196; max crs 4; S-N only; credit may not be counted toward a professional sequence, plan submitted and approved in advance by adviser and internship supervisor, may substitute faculty supervisor, instr consent; credit will not be granted if credit already received for: DHA 4196)
60304 001 IEX, Bye, Elizabeth K, 1-4 cr
60305 002 IEX, LaBat, Karen Louise, 1-4 cr
60306 003 IEX, Dunne, Lucy Elizabeth, 1-4 cr
60685 004 IEX, DeLong, Marilyn R, 1-4 cr

4215 Product Development: Softlines (A-F only; prereq 2213 or DHA 2213 or apparel design major or clothing design major or retail merchandising major or instr consent; credit will not be granted if credit already received for: DHA 4215, 5215)
60101 001 LEC, 01:55pm-02:55pm TTh, McNH 10, STPAUL, 08:30am-09:55pm TTh, McNH 322, STPAUL; Sohn, Myunghee, 4 cr
60309 003 LEC, 01:00pm-02:00pm TTh, McNH 480, STPAUL, 01:00pm-02:00pm TTh, McNH 480, STPAUL, 04 cr

5121 History of Costume (A-F)
61814 001 DIS, 10:40am-12:35pm MW, McNH 146, STPAUL; Meets with: 69469 014 DIS, 10:40am-12:35pm MW, McNH 216, STPAUL; Bye, Elizabeth K, 4 cr

5124 Consumers of Design

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>8003</td>
<td>Applied Microeconomic Analysis of Social Choice and Welfare</td>
<td>Ruttan, Stephen</td>
<td>1-4 cr</td>
<td>MWF 10:15am-11:30am</td>
<td>Ruttan Hall B30</td>
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<tr>
<td>53548</td>
<td>001 LEC, 02:30 PM-03:45 PM TTH, CarlSmgnt B1-135</td>
<td>Goggin, Jay Steven</td>
<td>0.50 cr</td>
<td>02:30 PM-03:45 PM TTH</td>
<td>Ruttan Hall B30</td>
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<tr>
<td>8804</td>
<td>Applied Microeconomic Analysis of Social Choice and Welfare</td>
<td>Ruttan, Stephen</td>
<td>1-4 cr</td>
<td>MWF 10:15am-11:30am</td>
<td>Ruttan Hall B30</td>
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<tr>
<td>53548</td>
<td>001 LEC, 02:30 PM-03:45 PM TTH, CarlSmgnt B1-135</td>
<td>Goggin, Jay Steven</td>
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<td>02:30 PM-03:45 PM TTH</td>
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<td>Goggin, Jay Steven</td>
<td>0.50 cr</td>
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<tr>
<td>5321</td>
<td>Regional Economic Analysis</td>
<td>Ruttan, Stephen</td>
<td>3 cr</td>
<td>MWF 10:15am-11:30am</td>
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<td>Applied Macroeconomics: Income and Employment</td>
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<td>3 cr</td>
<td>MWF 10:15am-11:30am</td>
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<td>5341</td>
<td>Public Finance</td>
<td>Ruttan, Stephen</td>
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<td>Goggin, Jay Steven</td>
<td>0.50 cr</td>
<td>02:30 PM-03:45 PM TTH</td>
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<tr>
<td>5481</td>
<td>Futures and Options Markets</td>
<td>Ruttan, Stephen</td>
<td>3 cr</td>
<td>MWF 10:15am-11:30am</td>
<td>Ruttan Hall B22</td>
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<td>53548</td>
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<td>Goggin, Jay Steven</td>
<td>0.50 cr</td>
<td>02:30 PM-03:45 PM TTH</td>
<td>Ruttan Hall B30</td>
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<tr>
<td>5711</td>
<td>U.S. Agricultural and Environmental Policy</td>
<td>Ruttan, Stephen</td>
<td>3 cr</td>
<td>MWF 10:15am-11:30am</td>
<td>Ruttan Hall B22</td>
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<td>53548</td>
<td>001 LEC, 02:30 PM-03:45 PM TTH, CarlSmgnt B1-135</td>
<td>Goggin, Jay Steven</td>
<td>0.50 cr</td>
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<tr>
<td>5721</td>
<td>Economics of Science and Technology Policy</td>
<td>Ruttan, Stephen</td>
<td>3 cr</td>
<td>MWF 10:15am-11:30am</td>
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<td>0.50 cr</td>
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<td>Economic Growth and International Development</td>
<td>Ruttan, Stephen</td>
<td>3 cr</td>
<td>MWF 10:15am-11:30am</td>
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<td>5811</td>
<td>Cooperative Organization</td>
<td>Ruttan, Stephen</td>
<td>3 cr</td>
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<td>53548</td>
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<tr>
<td>5891</td>
<td>Independent Study: Advanced Topics in Farm and Agribusiness Management</td>
<td>Ruttan, Stephen</td>
<td>3 cr</td>
<td>MWF 10:15am-11:30am</td>
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<td>53548</td>
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<td>Goggin, Jay Steven</td>
<td>0.50 cr</td>
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<td>Ruttan Hall B30</td>
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<tr>
<td>5989</td>
<td>Special Topics and Independent Study: Agricultural Economics</td>
<td>Ruttan, Stephen</td>
<td>3 cr</td>
<td>MWF 10:15am-11:30am</td>
<td>Ruttan Hall B22</td>
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<tr>
<td>53548</td>
<td>001 LEC, 02:30 PM-03:45 PM TTH, CarlSmgnt B1-135</td>
<td>Goggin, Jay Steven</td>
<td>0.50 cr</td>
<td>02:30 PM-03:45 PM TTH</td>
<td>Ruttan Hall B30</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
5992 Directed Readings

<table>
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<tr>
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<th>Title</th>
<th>Credits</th>
<th>Time</th>
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<tr>
<td>6993 Directed Studies</td>
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<td>(max crs 6; for reading and research; S-N; prereq dept consent)</td>
<td>61403 001 IND, 1-6 cr</td>
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<td>6994 Directed Research</td>
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<td>61404 001 IND, 1-6 cr</td>
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<tr>
<td>8002 Fine Arts Project Seminar/Case Study</td>
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<td>(max crs 6; for reading and research; S-N; prereq dept consent)</td>
<td>61494 001 SEM; Schottel, Janet L, 1-6 cr</td>
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8110 Graduate Seminar Series

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<tbody>
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<td>(max crs 10; for reading and research; S-N; prereq dept consent)</td>
<td>67467 001 DST, 1 cr</td>
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ARABIC (Arab)

220 Folwell Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612-625-6534, http://all.umn.edu

5105 Topics in Architecture

(credit max 6; for reading and research; A-F only; prereq Arch major or inst consent)

4284 Undergraduate Architecture Studio IV

(A-F; prereq 4283, BS Arch major)

4382 Computer-Aided Architectural Design

(A-F only; prereq 3381 or 5381)

4394 Thesis/Case Project

(max crs 4; A-F; prereq Arch major, sr, meets HON req of Honor Program)

4521 Environmental Technology I

(A-F only; prereq BS Arch major)

5981 Urban Design

(A-F only; prereq 3351 or 5351; Architecture History)

6124-7866, http://arch.cdes.umn.edu/
4552 Integrated Design Processes
(A-F only)
54810 001 LEC, 06:00pm-08:08pm T, Rapson H 54; 18 seats reserved for CMgt mins. minors, certificates; 12 seats reserved for Arch major, 3 cr

4561 Architecture and Ecology
(Credit will not be granted if credit has been received for: ARCH 4661; A-F only; prereq M Arch major or instr consent)
55002 001 LEC, 09:00am-09:59am M, Rapson H 15, 3 cr
55021 004 LEC, 09:00am-09:59am W, Rapson H 58, 3 cr
55022 001 LAB, 09:45am-12:30pm T, Rapson H 54, 3 cr
55024 007 LAB, 11:15am-12:05pm W, Rapson H 54, 3 cr
55026 009 LAB, 11:15am-12:05pm W, Rapson H 43, 3 cr
56701 011 LAB, 11:15am-12:05pm F, Rapson H 47, 3 cr

4672 Historic Building Conservation
(A-F only; prereq 4671 or instcr consent)
55610 001 LEC, 05:00pm-06:05pm T, Rapson H 47; 06:00pm-08:00pm Th, Rapson H 47; Meets with: 48821 ARCH 5672; Elliott, Meghan;Grover, Todd Andreas, 3 cr

5110 Architecture as Catalyst
(max crs 3; 3 repeats allowed; S-N; prereq MArch)
58154 001 LEC, 07:00am-07:55am MTWThF, ROOM TBA, 01/17/12-02/17/12, 1 cr
58155 002 LEC, 07:00am-07:55am MTWThF, ROOM TBA, 01/17/12-02/17/12, 1 cr
58156 003 LEC, 07:00am-07:55am MTWThF, ROOM TBA, 01/17/12-02/17/12, 1 cr
58157 004 LEC, 07:00am-07:55am MTWThF, ROOM TBA, 01/17/12-02/17/12, 1 cr
58160 006 LEC, 07:00am-07:55am MTWThF, ROOM TBA, 01/17/12-02/17/12, 1 cr

5301 Conceptual Drawing
(A-F; prereq MArch major or instcr consent)
60984 001 STU, 02:00pm-04:00pm Th, Rapson H 13, 01/17/12-02/10/12; Piotrowski, Andrzej, 3 cr

5361 3-D Computer Architectural Modeling and Design
(Credit will not be granted if credit has been received for: ARCH 4206; A-F only; prereq M Arch major)
49870 100 LEC, 06:00pm-08:30pm Th, Rapson H115; Meets with: 55014 ARCH 4361; Dozier, James, 3 cr
52000 002 LEC, 02:30pm-05:00pm T, Room TBA, TCEASTBANK; Meets with: 55035 ARCH 4411; Dozier, James, 3 cr

5382 Computer Aided Architectural Design
(A-F only; prereq 5361 or arch grad major or instr consent)
47900 001 LEC, 12:45pm-02:00pm Th, Rapson H 43; Meets with: 56080 ARCH 4382; Anderson, Lee Bruce, 3 cr

5410 Topics in Architectural History
(max crs 12; 4 repeats allowed; A-F only; prereq MS Arch or M Arch major or instcr consent)
55160 001 LEC, 09:45am-11:15am TTh, Room TBA, TCEASTBANK; Meets with: 55501 ARCH 4361; Dozier, James, 3 cr

5423 Gothic Architecture
(Credit will not be granted if credit has been received for: ARCH 4443; A-F)
69415 001 LEC, 12:45pm-02:00pm TTh, Room TBA, TCEASTBANK; Meets with: 69413 ARCH 4445; Solomonon, Katherine Mary, 3 cr

5446 Architecture Since World War II: Postwar Experimentation: Aesthetics and Politics of Architecture
(max crs 12; 4 repeats allowed; A-F only; prereq M Arch major or instr consent)
57099 001 LEC, 09:45am-12:30pm TTh, Room TBA, TCEASTBANK, 03/19/12-05/04/12; Bhatt, Ritu, 3 cr

5452 Architecture: Design, Form, Order,
### University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

#### 1601 Experimental and Media Arts (meets CLE req of Arts/Humanities)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Instructor</th>
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<th>Prerequisites</th>
<th>Notes</th>
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<tbody>
<tr>
<td>46678 001 STU</td>
<td>09:05am-12:05pm MW, Regis W248; 4 cr</td>
<td>Wilsol, Diane, 4 cr</td>
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<tr>
<td>52060 004 STU</td>
<td>06:00am-10:00pm T, Regis W248; 2 cr</td>
<td>Wilsol, Diane, 4 cr</td>
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#### 1701 Photography (meets CLE req of Arts/Humanities)

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<tr>
<td>46553 001 STU</td>
<td>01:25pm-04:25pm MW, Regis W132; 5 cr</td>
<td>Hargens, Ursula Snow, 4 cr</td>
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<tr>
<td>54915 004 STU</td>
<td>06:00am-10:00pm M, Regis W132; 2 cr</td>
<td>Hargens, Ursula Snow, 4 cr</td>
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#### 1702 Digital Photography (meets CLE req of Arts/Humanities)

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<tr>
<td>55612 001 STU</td>
<td>09:05am-12:05pm MW, Regis W137; 3 cr</td>
<td>Pharis, Mark W, 4 cr</td>
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<td>55613 002 STU</td>
<td>01:25pm-04:25pm MW, Regis W137; 4 cr</td>
<td>Pharis, Mark W, 4 cr</td>
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#### 1801 Ceramics (meets CLE req of Arts/Humanities)

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<tr>
<td>46611 001 STU</td>
<td>09:05am-12:05pm MW, Regis E154; 4 cr</td>
<td>Peterson, Lamar, 4 cr</td>
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### 1501 Printmaking: Intaglio and Lithography (meets CLE req of Arts/Humanities)

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<tbody>
<tr>
<td>46597 001 STU</td>
<td>09:05am-12:05pm MW, Regis W187; 4 cr</td>
<td>Albert, 4 cr</td>
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<tr>
<td>52056 003 STU</td>
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<td>Albert, 4 cr</td>
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### 1502 Printmaking: Relief, Screen, and Digital Processes (meets CLE req of Arts/Humanities)

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<td>50605 001 STU</td>
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<td>52051 002 STU</td>
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<td>Albert, 4 cr</td>
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### 1905 Freshman Seminar (A-F only; prereq freshmen)

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<tr>
<td>68783 001 SEM</td>
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### 3012 Intermediate Painting (prereq 1001, 1101; Note: Students without stated prerequisites will not be allowed to continue in this course.)

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<tbody>
<tr>
<td>54960 001 STU</td>
<td>09:05am-12:05pm MW, Regis E171; 4 cr</td>
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### 3017 Drawing Using Digital Media as an Essential Tool (prereq 1001, 1101)

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<tbody>
<tr>
<td>59615 001 STU</td>
<td>09:05am-12:05pm MW, Room TBA; TRESTBANK, Meet with: 49119 ARTS 191; 4 cr</td>
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### 3032 Sculpture: Spatial Problems (prereq 1001, 1301; Note: Students without stated prerequisites will not be allowed to continue in this course.)

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<tr>
<td>55960 001 STU</td>
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### 3033 Sculpture: Metalcasting (prereq 1001, 1301; Note: Students without stated prerequisites will not be allowed to continue in this course.)

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<tr>
<td>46601 001 STU</td>
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<td>02:00pm-06:00pm W, Regis E170A; 2 cr</td>
<td>Peterson, Lamar, 4 cr</td>
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### 3036 Performance Art and Installation (prereq 1001, 1301; Note: Students without stated prerequisites will not be allowed to continue in this course.)

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### 3307 Contemporary and Traditional Approaches to Figurative Sculpture (prereq 1001, 1301; Note: Students without stated prerequisites will not be allowed to continue in this course.)

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<td>57790 001 STU</td>
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<td>Peterson, Lamar, 4 cr</td>
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### 3411H Honors Tutorial in Visual Arts (max crs 6; A-F only; prereq Honors, inst consent; meets HON req of Honors)

<table>
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<th>Instructor</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Notes</th>
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<tr>
<td>48149 001 DRS</td>
<td>1 cr</td>
<td>Peterson, Lamar, 4 cr</td>
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</table>

### 3415H Honors Exhibition (A-F only; prereq Magna cum laude or honors candidate, inst consent , dept consent; meets HON req of Honors)

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<th>Credits</th>
<th>Prerequisites</th>
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<tr>
<td>48119 001 DRS</td>
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### 3416H Honors Thesis: Supporting Paper (A-F only; prereq Summa or magna cum laude candidate, inst consent; meets HON req of Honors)

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### 3444 Major Project (S-N; prereq Concurrent registration is required (or approval from upper level ARTS course in final term, inst consent)

<table>
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<td>48133 001 IND</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
3017 Islamic Culture
(meets CLE req of Arts/Humanities; meets CLE req of Global Perspectives)
001 LEC, 09:45am-11:00am TTh, BlegH 250; Asher, Catherine B
60850 002 DIS, 12:45pm-02:00pm T, BlegH 230; 4 cr
60851 003 DIS, 12:45pm-02:00pm T, BlegH 230; 4 cr

3182 Egypt and Western Asia: Art and Archaeology of Ancient Egypt and Western Asia
(meets CLE req of Arts/Humanities; meets CLE req of Global Perspectives)
65860 001 LEC, 12:45pm-02:00pm MW, BlegH 250; Canepa PhD, Matthew P., 3 cr

3311 Baroque Art in Seventeenth Century Europe
(meets CLE req of Arts/Humanities)
65861 001 LEC, 12:45pm-02:00pm TTh, BlegH 10; Ostrow, Steven F, 3 cr

3401 Art Now
(A-F only; meets CLE req of Arts/Humanities; meets CLE req of Civic Life and Ethics)
001 LEC, 09:05am-09:55am MW, AndH 230; Blocker, Jane M
65792 002 DIS, 10:10am-11:00am W, BlegH 430; 3 cr
65783 003 DIS, 11:15am-12:05pm W, BlegH 210; 3 cr
65784 004 DIS, 02:30pm-03:20pm W, BlegH 210; 3 cr
65785 005 DIS, 09:05am-09:55am F, BlegH 210; 3 cr

3422 Off the Wall: History of Graphic Arts in Europe and America in the Modern Age
65863 001 LEC, 02:30pm-03:45pm TTh, AndH 330; Weisberg, Gabriel, 4 cr

3921W Art of the Film
(meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)
001 LEC, 12:20pm-01:10pm MW, AndH 310,
12:20pm-03:00pm F, AndH 310; Silberman, Robert B
66996 002 DIS, 11:15am-12:05pm M, BlegH 115; 4 cr
66800 003 DIS, 02:30pm-03:20pm W, BlegH 210; 3 cr
66801 004 DIS, 09:05am-09:55am F, BlegH 210; 3 cr
66702 005 DIS, 09:05am-11:00am W, BlegH 210; 3 cr

3975 Directed Museum Experience
(max crs 2; prereq consent)
54602 001 INI; 1-2 cr

3993 Directed Study
(max crs 12; 3 repeats allowed; A-F only; prereq instr consent)
54604 001 DRS; Asher, Catherine B, 1-4 cr
54607 001 DRS; Asher, Frederick M, 1-4 cr
54609 001 DRS; Asher, Minna Kristiina, 1-4 cr
54610 001 DRS, 1-4 cr

5775 Formation of Indian Art: 2500 BCE to 300 CE
65869 001 LEC, 12:45pm-02:00pm TTh, BlegH 330; Asher, Frederic M, 3 cr

5785 Art of Islamic Iran
67666 001 LEC, 02:30pm-03:45pm TTh, BlegH 115; Asher, Catherine B, 3 cr

5802 Pre-Columbian Art of the Andes
69309 001 LEC, 11:15am-12:30pm TTh, HHICHR 15; Afanador-Pujol, Angelica J, 3 cr

5993 Directed Study
(max crs 12; 3 repeats allowed; A-F only; prereq instr consent)
54605 001 DRS; Asher, Frederick M, 1-4 cr
54608 001 DRS; Asher, Minna Kristiina, 1-4 cr
54610 001 DRS, 1-4 cr
54609 001 DRS, 1-4 cr

8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
54607 001 THE, 1 cr

8440 Seminar: Contemporary Art
(max crs 12; 4 repeats allowed; A-F only; prereq instr consent)
63921 001 SEM, 04:00pm-05:15pm MW, Room TBA;
TCWESTBANK; Seminar on Contemporary Art. More specific title to be determined soon. This class replaces ARTH 5417 (Contemporary Art), which has been canceled;
Blocker, Jane M, 3 cr

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
54608 001 THE, 1 cr

8500 Issues in Latin American Art
(max crs 12; 4 repeats allowed)
69508 001 SEM, 03:35pm-05:00pm TTh, Room TBA,
TCWESTBANK; Meets with: 59768 EMS 8500, 59295 HIST 5901; Chambers, Sarah C; A-F only

8866 Doctoral Pre-Thesis Credits
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
54609 001 THE, 1-6 cr

8888 Thesis Credit: Doctoral
(max crs 100; 100 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
54610 001 THE, 1-24 cr

8970 Directed Studies
(max crs 12; 12 repeats allowed; prereq instr consent)
54611 001 DST, 1-3 cr

ARTS AND CULTURAL LEADERSHIP (ACL)
20 Ruttan Hall, 194 Buford Avenue, St Paul Campus, St Paul, MN, 55108
612-626-8744, www.cce.umn.edu/ACL

5230 Ethical and Legal Issues in Arts Policy and Law
(A-F only; prereq dept consent)
61399 001 SEM, 06:25am-08:59am W, McNH 146,
STPAUL, 01/18/12-05/04/12; <b>Ex:Ethical and Legal Issues in Arts Policy and Law</b> = leadership and practice. By combining theory and practice, this course will explore the basis for human conduct and the source of moral and ethical behavior; examine
1201 Racial Formation and Transformation in the United States (meets CLE req of Diversity and Soc Justice US) 69599 001 LEC; 10:10am-12:55pm MW, Blegd 120; meets with: 69599 AMST 2011, 69244 AMN 2011, 69235 CHIC 1201; Onishi, Yuichi, 3 cr

3001 Contemporary Perspectives on Asian America (Credit will not be granted if credit has been received for: AMST 3001; meets CLE req of Diversity and Soc Justice US) 56096 001 LEC; 12:45pm-02:00pm Th, Scotti 4; meets with: 61841 AMST 2011; Tafajdo, Kael Bantigue, 3 cr

3251 Sociological Perspectives on Race, Class, and Gender (Credit will not be granted if credit has been received for: AFRO 3251W, SOC 3251W; A-F; prereq Soc majors/minors must register A-F; meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences; meets CLE req of Writing Intensive) 69601 001 LEC; 11:15am-12:30pm TTh, Blegd 425; meets with: 52075 SOC 3251W; Swartz, Teresa Toguchi, 3 cr

3877 American Historical Experience, 1850 to Present (Credit will not be granted if credit has been received for: HIST 3877; meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives) 59536 001 LEC; Meets with: 58982 HIST 3877, 3 cr

3920 Topics in Asian American Studies (max crs 8; prereq Jr or sr) 55080 001 LEC; Lee, Mai Na M., 2-4 cr

3993 Directed Studies in Asian American Studies (max crs 9; prereq inst consent) 56259 001 DRD, 1-9 cr

4232 American Drama by Writers of Color (A-F only) 61845 001 LEC, 02:30pm-03:45pm TTh, Lindh 229; Meets with: 61578 ENGRL 4232; Lee, Josephine D, 3 cr

4341W Japanese Theater (credit will not be granted if credit has been received for: Jpn 3165W; meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive) 68255 001 LEC; 02:00pm-03:45pm TTh, FolH 24; Isaka, Mai, 3 cr

4345 Japanese Film (credit will not be granted if credit has been received for: Jpn 3166) 68354 001 LEC, 11:15am-12:30pm TTh, FolH 116; Marran, Christine L, 3 cr

4356 Korean Film 68377 001 LEC; 12:45pm-02:00pm TTh, FolH 116, 4-6:30pm Th, FolH 104; Film screenings Wednesdays, 5:30 - 7:00pm; Crandol, Michael E, 3 cr

4376 Culture and Society of India (Credit will not be granted if credit has been received for: ANTH 3023, GLOS 3961; meets CLE req of Global Perspectives; meets CLE req of Social Science; meets CLE req of Writing Intensive) 68255 001 LEC; 02:00pm-03:45pm T, FolH 31; Raheja, Gloria Goodwin, 3 cr

4390 Topics in Asian Literature (max crs 9; 3 repeats allowed) 62062 001 LEC, 12:45pm-02:00pm TTh, Nichi 315; Pradth, Sarah, 3 cr

4392 Topics in Asian Culture (max crs 9; 3 repeats allowed) 58650 001 LEC; 04:00pm-05:15pm TTh, FolH 106, 05:30pm-07:00pm T, FolH 104; Film screenings Tuesday, 5:30 - 7:00pm; Chan, Ka Yee, 3 cr; Hong Kong Cinema: Filming the (Post)colonial City 69554 002 LEC; 11:15am-12:30pm TTh, Blegd 240; Meets with: 69579 EAS 3940, 68748 HIST 3477; Mizuno, Hiromi, 3 cr; Samurai, Gesha, and How They Became Japanese.

4900 Major Project (A-F only; prereq ALL major, sr; meets CLE req of Writing Intensive) 68360 001 SEM, 11:15am-12:30pm TTh, Nichi 125, 3 cr

5920 Topics in Asian Culture (max crs 12; 4 repeats allowed) 58652 001 LEC, 04:00pm-05:15pm MW, FolH 3; McGrath, Jason, 3 cr

6333 FTE: Master's (NGA; prereq Master's student, [adviser, DGS] consent) 61478 001 THE, 1 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, [adviser, DGS] consent) 61479 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr, doctoral student must admitted before summer 2007 may register up to four times, up to 60 combined cr) 61480 001 THE, 1-6 cr

8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA) 61641 001 THE, 1-2 cr

8990 Directed Readings (max crs 16; 4 repeats allowed; prereq PhD student) 57216 002 DRD, Student/Faculty Contract form available in 136 Klaeb Campus. Meeting times arranged with instructor; Marran, Christine L, 1-4 cr

57217 003 DRD, Student/Faculty Contract form available in 136 Klaeb Campus. Meeting times arranged with instructor; Marran, Christine L, 1-4 cr

58595 004 DRD, Student/Faculty Contract form available in 136 Klaeb Campus. Meeting times arranged with instructor; McGrath, Jason, 1-4 cr

57218 005 DRD, Student/Faculty Contract form available in 136 Klaeb Campus. Meeting times arranged with instructor; Rouzer, Paul F, 1-4 cr

57219 007 DRD, Student/Faculty Contract form available in 136 Klaeb Campus. Meeting times arranged with instructor; Workman, Travis James, 1-4 cr

Astronomy (Ast)

356 Tate Laboratory of Physics, 116 Church Street SE, East Bank Campus, Minneapolis, MN, 55455

1001 Exploring the Universe (Credit will not be granted if credit has been received for: AST 1011H, AST 1005; meets CLE req of Environment; meets CLE req of Physical Sciences) 001 LEC, 09:45am-11:00am Th, Phys 166; LECTURE begins Tuesday, January 17th. See separate note for your LAB., Wolford, Charles E

002 LEC, 10:10am-11:00am MW, Phys 166; LECTURE begins Wednesday, January 18th. See separate note for your LAB., Scarlett, Charles E

003 LEC, 12:45pm-02:00pm TTh, Phys 166; LECTURE begins Tuesday, January 17th. See separate note for your LAB., Wolford, Charles E

004 LEC, 07:15pm-08:30pm MW, Phys 166; LECTURE begins Wednesday, January 18th. See separate note for your LAB.
45440 116 LAB, 09:05am-11:00am W, Phys B49;
45428 107 LAB, 11:15am-01:10pm M, Phys B49;
45426 105 LAB, 01:25pm-03:20pm M, Phys B49;
45427 103 LAB, 12:20pm-02:15pm F, Phys 450;
Registration in both a lecture AND lab section is required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required.

1005 Descriptive Astronomy
(Credit will not be granted if credit has been received for:
AST 101, AST 101H; prereq-science major)
54467 001 LEC, 07:15pm-08:30pm MW, Phys 166; Meets with: 45422 AST 4299H; Williams, Liilya L R, 1-3 cr

1011H Exploring the Universe, Honors
(Credit will not be granted if credit has been received for:
AST 101, AST 1005; A-F; prereq high school trigonometry or physics or chemistry; meets CLEQ req of Environment; meets CLEQ req of Physical Sciences; meets HON req of Honors)
54459 001 LEC, 10:10am-12:05pm TTH, Phys 450; Lab begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required. LAB begins the 2nd week of the term, the week of January 23rd; see separate note for your LEC., 4 cr required.

2990 Directed Studies
(max crs 5; prereq 1 yr calculus, Phys 1302, 1st consent)
45445 001 LEC, 10:10am-12:05pm TTH, Phys 170; Gehrz, Robert Douglas, 4 cr

45449 001 SEM, 03:35pm-04:25pm T, Phys 157; Meets with: 45449 AST 4299H; Williams, Liilya L R, 1-3 cr

5012 The Interstellar Medium
(prereq 2001, Phys 2601 or inst consent)
54866 001 LEC, 03:35pm-04:25pm MWFTH, Phys 236A; Davidson, Kris, 4 cr

8031 Astrophysical Fluid Dynamics
(prereq instr consent)
67381 001 LEC, 08:00am-08:50am MWFTH, Phys 143; Jones, Thomas Waler, 4 cr

8200 Astrophysics Seminar
(max crs 3; prereq instr consents)
45450 001 SEM, 03:35pm-04:25pm F, Phys 210; Meets with: 45449 AST 4299H; Williams, Liilya L R, 1-3 cr

8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
49308 001 THE, 1 cr

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
49418 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan only])
49635 001 THE, 1-18 cr

8778 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49785 001 THE, 1-24 cr

8990 Research in Astronomy and Astrophysics
(max crs 4; prereq instr consent)
45451 001 DRS, 1-4 cr

1010 Human Health and Disease
58551 001 LEC, 02:30pm-03:45pm TTH, AHC RM TBA; Laporte, David C, 3 cr

2011 Biochemistry for the Agricultural and Health Sciences
(NGA; prereq Chem 1001, Bioi 1099; not for biology majors)
51011 001 LEC, 09:45am-11:00am TTH, AHC RM TBA; Armitage, Ian MacLeod, 3 cr

2331 Chemical Mechanisms in Biology
(500; prereq CHEM 1002 or equiv; one semester of Bioi 1099 or Bioi 2002 recommended)
68800 001 LEC, 12:20pm-01:15pm MWF, MCB 3-120; Milstein, Jeremy, 3 cr

3021 Biochemistry
(max crs 5; prereq can be granted if credit has been received for: BIOE 6021; prereq [BIOI 2003 or BIOI 1099 or BIOI 2009], CHEM 2301, or inst consent)
67973 001 LEC, 12:05pm-02:00pm TTH, MCB 3-120; Siliciano, Paul G, 3 cr

67973 002 LEC, 11:45am-12:35pm MWF, McNich 33.
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
### 1003 Evolution and Biology of Sex

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<tr>
<td>001</td>
<td>09:45am-11:00am M-Th</td>
<td>TTh, SS230</td>
<td>Phillips, Jane</td>
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<tr>
<td>002</td>
<td>12:00pm-01:50pm M-Th</td>
<td>TTh, MCB 2-138</td>
<td>Metcalf, David</td>
</tr>
<tr>
<td>003</td>
<td>02:30pm-04:25pm M-Th</td>
<td>TTh, MCB 2-139</td>
<td>Fisk, Lee</td>
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<tr>
<td>004</td>
<td>09:30am-10:25am M-Th</td>
<td>MCB 2-140</td>
<td>Metcalf, David</td>
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### 1009 General Biology

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<tbody>
<tr>
<td>001</td>
<td>09:45am-11:00am M-Th</td>
<td>TTh, WilleyH 125</td>
<td>Hooper, Alan</td>
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<tr>
<td>002</td>
<td>12:00pm-01:50pm M-Th</td>
<td>TTh, MCB 2-138</td>
<td>Metcalf, David</td>
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<tr>
<td>003</td>
<td>02:30pm-04:25pm M-Th</td>
<td>TTh, MCB 2-139</td>
<td>Fisk, Lee</td>
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<tr>
<td>004</td>
<td>09:30am-10:25am M-Th</td>
<td>MCB 2-140</td>
<td>Metcalf, David</td>
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### 1009 Honors: General Biology

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<td>001</td>
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<td>TTh, WilleyH 125</td>
<td>Schoteit, Jeanette</td>
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### 1010 Human Biology: Concepts and Current Ethical Issues

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<th>Instructor</th>
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<tr>
<td>001</td>
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<td>WSF, SS330</td>
<td>Animal tissues are required. Palmer, Melinda L.</td>
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<td>TTh, MCB 2-140</td>
<td>Fisk, Lee</td>
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<tr>
<td>003</td>
<td>09:30am-10:25am M-Th</td>
<td>MCB 2-140</td>
<td>Metcalf, David</td>
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<tr>
<td>004</td>
<td>12:00pm-01:50pm M-Th</td>
<td>TTh, MCB 2-139</td>
<td>Fisk, Lee</td>
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<tr>
<td>005</td>
<td>02:30pm-04:25pm M-Th</td>
<td>TTh, MCB 2-139</td>
<td>Fisk, Lee</td>
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### 1020 Biology Colloquium

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<tbody>
<tr>
<td>001</td>
<td>02:30pm-04:25pm M-Th</td>
<td>WSF, SS131B</td>
<td>Hanley, Kathy L</td>
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### 1050 Our Global Environment: Science and Solutions

<table>
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<th>Class</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>001</td>
<td>04:00pm-05:50pm M-Th</td>
<td>TTh, SS330</td>
<td>Wassenberg, Deena Marie</td>
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### 1093 Biology Colloquium: Directed Study

<table>
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<th>Class</th>
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<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>001</td>
<td>12:00pm-01:10pm MWF</td>
<td>MCB 2-120;</td>
<td>Dan, Peter D.</td>
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### 1095 Freshmen Seminar for the Biological Sciences

<table>
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<th>Class</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>09:00am-10:50am MWF</td>
<td>SS312;</td>
<td>The process for non-CBS student enrollment is online at <a href="http://cbs.umn.edu/foundations">http://cbs.umn.edu/foundations</a>; Meets with: 56911 BIOL 2002H</td>
</tr>
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</table>
### 2004 Foundations of Biology for Biological Sciences Majors, Part I

(Credit will not be granted if credit has been received for: BIOL 2002H or BIOL 2003H [CHEM 1021 or equiv, CBS major, honors student] or dept consent; calculates 1 or equiv recommended; meets CLE req of Biological Sciences Majors, Part I or HON req of Honors)

<table>
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<tr>
<th>Course Code</th>
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<th>Instructor</th>
<th>Credit</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>56919 002 LEC</td>
<td>09:00am-10:05am TTh</td>
<td>Biesboer, David</td>
<td>3 cr</td>
<td>10:00am-10:50am TTh</td>
<td>STSS 312</td>
</tr>
<tr>
<td>56919 003 LEC</td>
<td>04:30pm-06:00pm Th</td>
<td>Metzger, Kelsey Jean</td>
<td>3 cr</td>
<td>04:30pm-06:00pm Th</td>
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<tr>
<td>56919 004 LEC</td>
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<td>Metzger, Kelsey Jean</td>
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</tr>
<tr>
<td>56919 005 LEC</td>
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<td>Biesboer, David</td>
<td>3 cr</td>
<td>05:10pm-07:00pm Th</td>
<td>BioSci 182</td>
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</table>

### 2004 Foundations of Biology for Biological Sciences Majors, Part II

(Credit will not be granted if credit has been received for: BIOL 2004H, A-F; prereq [2002 or 2002H or CBS major], concurrent enrollment in BIOL 2003H [must register for both BIOL 2003H and BIOL 2004H before 2003H]; meets HON req of Honors)

<table>
<thead>
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<th>Title</th>
<th>Instructor</th>
<th>Credit</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>57722 011 LEC</td>
<td>04:30pm-06:20pm T</td>
<td>Kirkpatrick, Catherine</td>
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<td>04:30pm-06:20pm T</td>
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</table>

### 2005 Animal Diversity Laboratory

(Credit will not be granted if credit has been received for: BIOL 2012)

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<tbody>
<tr>
<td>48103 001 LAB</td>
<td>09:35am-12:35pm T</td>
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<td>09:35am-12:35pm T</td>
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<tr>
<td>48104 002 LAB</td>
<td>01:55pm-04:55pm T</td>
<td>Biesboer, David</td>
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<td>BioSci 182</td>
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<tr>
<td>48111 007 LAB</td>
<td>06:55am-09:55am Th</td>
<td>Biesboer, David</td>
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<td>48112 010 LAB</td>
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### 2012 General Zoology

(Credit will not be granted if credit has been received for: BIOL 2005; prereq One semester of college biology)

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### 2022 General Botany

(A-F only; prereq One semester of college biology)

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<tr>
<td>5003 002 LAB</td>
<td>09:00am-12:00pm Th</td>
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<td>09:00am-12:00pm Th</td>
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### 2031 Integrative Biology

(A-F only; prereq [Grade of at least C- in [MATH 1161 or 1162 or 1162T or 1162S], or placement test; meets CLE req of Biological Sciences)

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<tbody>
<tr>
<td>58507 001 DIS</td>
<td>02:30pm-04:25pm M</td>
<td>CBC 2-122</td>
<td>2 cr</td>
<td>02:30pm-04:25pm M</td>
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### 2332 Anatomy and Physiology II

(A-F only; prereq Grade of at least C- in 2331 or placement test)

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<tr>
<td>59313 002 LAB</td>
<td>09:00am-11:00am TTh</td>
<td>ROCHIO025TA</td>
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<td>09:00am-11:00am TTh</td>
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<td>59316 002 LAB</td>
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### 3002 Plant Biology: Function

(prereq [1002 or 1009 or 2003] or equiv, [CHEM 1011]
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<td>1002 LEC</td>
<td>10:40am-11:30am MW, BioSci 64, STPAUL; Meets with: 54084 BIOL 3609, 3 cr</td>
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<td>1003 LEC</td>
<td>01:55pm-02:45pm Th, BioSci 6, STPAUL; Meets with: 54084 BIOL 3609, 3 cr</td>
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<tr>
<td>1004 LEC</td>
<td>02:30pm-03:20pm W, BioSci 6, STPAUL; Meets with: 54084 BIOL 3609, 3 cr</td>
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<td>1005 LEC</td>
<td>03:00pm-03:50pm M, BioSci 64, STPAUL; Meets with: 54084 BIOL 3609, 3 cr</td>
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<td>1006 LEC</td>
<td>03:30pm-04:20pm T, BioSci 6, STPAUL; Meets with: 54084 BIOL 3609, 3 cr</td>
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<td>1007 LEC</td>
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<td>1008 LEC</td>
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<td>1017 LEC</td>
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<td>1019 LEC</td>
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<td>1020 LEC</td>
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<td>1021 LEC</td>
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<td>1023 LEC</td>
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<td>1025 LEC</td>
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<td>1026 LEC</td>
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<td>1037 LEC</td>
<td>22:35pm-23:25pm T, BioSci 6, STPAUL; Meets with: 54084 BIOL 3609, 3 cr</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
# Biomedical Transport Processes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>4996</td>
<td>Industrial Assignment II: Co-op</td>
<td>Tranquillo PhD, Robert T</td>
<td>2 cr</td>
<td>12:20pm-01:15pm TTh</td>
<td>Phys 210; Ashkenazi, Shai, 3 cr</td>
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<tr>
<td>4896</td>
<td>Industrial Assignment I: Co-op</td>
<td>Tranquillo PhD, Robert T</td>
<td>1 cr</td>
<td>10:10am-12:00pm TTh, MoosT 3-238;</td>
<td>Phys 210; Tranquillo PhD, Robert T</td>
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# Biomedical Ultrasonography

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<th>Credits</th>
<th>Time</th>
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<tr>
<td>5111</td>
<td>Biomedical Ultrasonography (prereq: [3401 or equiv], [MATH 2373 or equiv], [MATH 2374 or equiv], [CSE upper div or grad student])</td>
<td>Netoff, Tay Ivan</td>
<td>4 cr</td>
<td>03:35pm-05:30pm Th, MCB 2-122; Saltman MD, Steven S, 2 cr</td>
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# Advanced Biomedical Transport Processes

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<tbody>
<tr>
<td>5227</td>
<td>Biomedical Imaging (prereq: credit has been received for: ME 5381, CHEN 5753; max crs 3; prereq CSE upper div or grad student or instr consent)</td>
<td>Odde, David John, 3 cr; 4 cr</td>
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<tr>
<td>5228</td>
<td>Biomedical Imaging (prereq: credit has been received for: ME 5381, CHEN 5753; max crs 3; prereq CSE upper div or grad student or instr consent)</td>
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<td>5229</td>
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<td>5230</td>
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<tr>
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<tr>
<td>5232</td>
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# Biomedical Engineering Seminar (S-N only)

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<th>Credits</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>6866</td>
<td>Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)</td>
<td>Barocas, Victor Howard, 3 cr</td>
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# Internship in Biomedical Engineering

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<tr>
<td>6870</td>
<td>Internship in Biomedical Engineering (max crs 6; 5-N only; prereq Grad BMEn major)</td>
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# Thesis Credits: Master's

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<th>Time</th>
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<tbody>
<tr>
<td>6877</td>
<td>Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; max 18 cr per semester or summer; 10 cr total required [Plan A only])</td>
<td>Barocas, Victor Howard, 1-3 cr</td>
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# Plan B Project

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<th>Time</th>
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<tr>
<td>6880</td>
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<td>Barocas, Victor Howard, 2-3 cr</td>
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# Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; max 14 cr per semester or summer; 24 cr required) | Barocas, Victor Howard, 1-3 cr |

# Independent Study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Credits</th>
<th>Time</th>
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<tbody>
<tr>
<td>8910</td>
<td>Independent Study (max crs 3; prereq Grad BMEn major)</td>
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# Biomedical Informatics and Computational Biology (BICB)

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<th>Credits</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>8602</td>
<td>Biomedical Engineering Seminar (S-N only)</td>
<td>Barocas, Victor Howard, 1-3 cr</td>
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</table>

# Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; max 14 cr per semester or summer; 24 cr required) | Barocas, Victor Howard, 1-3 cr |

# Independent Study

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8910</td>
<td>Independent Study (max crs 3; prereq Grad BMEn major)</td>
<td>Barocas, Victor Howard, 1-3 cr</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
1002 Biorenewable Resources
(A-F only; meets CLE req of Technology and Society)
53587 001 LEC, 01:15pm-02:30pm Th, Kauff, 302.
STPAUL; Meets with: 54924 BBE 5202; Schilling,
Jonathan Scott; Winandy, Jerry; Seavey, Robert
Thomas, 3 cr

1906W Freshman Seminar
(prereq Pr; meets CLE req of Environment; meets
CLE req of Writing Intensive)
61122 001 LEC, 3 cr

2201 Renewable Energy and the
Environment
(meets CLE req of Technology and Society)
61375 001 LEC; Schmidt, David Roger; Ramaswamy, Shri,
3 cr

3033 Material and Energy Balances in
Biological Systems
(A-F only; prereq CHEM 1002, [MATH 1272 or MATH
1372], PHYS 1302)
57795 001 LEC, 08:30am-09:45am TTh, BioAgEng 106,
STPAUL; Hu, Bo, 3 cr

3043 Biological and Environmental
Thermodynamics
(A-F only; prereq CHEM 1009, CHEM 1021, [MATH
1272], PHYS 1302)
59575 001 LEC, 08:30am-09:20am MWF, BioAgEng 106,
STPAUL, Wilson, Bruce Nord, 3 cr

3093 Directed Studies
(max crs 5; prereq instr consent)
46852 001 DST, 1-9 cr

3393 Directed Study
(max crs 12; 4 repeats allowed; prereq instr consent)
45416 001 DST, 1-3 cr

3396 Industrial Internship (Industrial
Assignment)
(A-F only; prereq BBE cooperative ed student)
45415 001 IAS, 1 cr

3480 Special Topics
(Credit will not be granted if credit has been received
for: BBE 5480; max crs 12; 3 repeats allowed)
61747 001 LEC, 1-4 cr

4013 Transport in Biological Processes II
(A-F only; prereq [3013 or Concurrent registration is
required (or allowed) in 3013 or CHEM 3701], CE
3902, [ME 3331 or CHEM 4101], upper div CSE)
001 LEC, 12:50pm-01:40pm MWF, BioAgEng 106,
STPAUL; Nieber, John Little; Bhattacharya, Minimal
61723 002 DIS, 01:55pm-02:45pm M, BioAgEng 106,
STPAUL; Nieber, John Little; Bhattacharya, Minimal,
3 cr

4302 Biodegradation of Bioproducts
(Credit will not be granted if credit has been received
for: BBE 5302; prereq 1002 or WPS 1301 or instr
consent)
001 LEC, 11:45am-12:00pm T, Kauff, 302. STPAUL;
Meets with: 52364 BBE 5302; Schilling,
Jonathan Scott; Ritenour, Russell; Zhang, Jie, 3 cr

4303 Introduction to Bio-based Materials
Science
(Credit will not be granted if credit has been received
for: BBE 5303; A-F only; prereq 3001)
57798 001 LEC, 04:30pm-05:45pm TTh, Kauff, 302.
STPAUL; Meets with: 57799 BBE 5303; Severson,
Steve John, 3 cr

4333 Off-road Vehicle Design
(Credit will not be granted if credit has been received
for: BBE 5333; A-F only; prereq [3001, 4303] or [AEM
2021, AEM 3011], [CE 3902 or Concurrent
registration is required (or allowed) in CE 3902),
upper div II] or instr consent)
58947 001 LEC, 06:00am-09:20pm T, AkerH 317; Meets
with: 58946 BBE 5333; Chaplin, Jonathan, 4 cr

4402 Bio-based Products Engineering
Lab II
(Credit will not be granted if credit has been received
for: BBE 5480; A-F only; prereq CHEM 2301, [jr or
or instr consent])
53596 001 LAB, 08:30am-11:00am F, Kauff, 60,
STPAUL; Meets with: 53587 BBE 5480; Tchimire,
Utkarsha Walatra, 1 cr
68348 002 LAB, 10:00am-12:30pm W, Kauff, 60, STPAUL;

4412W Bioinformatics and Biostatistics
Energy (Credit will not be granted if credit has been received for: BBE 5412; prereq 1002, upper div BM; meets CLE req of Writing Intensive) 49825 001 DRS, 2 cr 49461 002 DRS, 2 cr

4900 Intern Reports
(max crs 4; S-N only; prereq CSE or CAEAF student in BAE, inst consent) 46215 001 IEX, 2 cr

5059 Special Problems
(max crs 5; prereq inst consent) 46853 001 DST, 1-5 cr

5202 Wood and Fiber Science (A-F only) 54924 001 DRS, 2 cr; 01:15pm-02:30pm T, Kaufl, 302, STPAUL. Meets with: 53488 BBE 4202. Schilling, Jonathan Scott.

5302 Biodegradation of Bioproducts (Credit will not be granted if credit has been received for: BBE 4302; prereq Grad student or inst consent) 57799 001 LET, 09:45am-11:15am F, Kaufl, 302, STPAUL; Meets with: 57798 BBE 4303; Severson, Steve John, 3 cr

5333 Off-road Vehicle Design (Credit will not be granted if credit has been received for: BBE 4303; A-F only; prereq Grad student or inst consent) 58946 001 LET, 08:00pm-09:20pm T, Akheri, 317; Meets with: 58947 BBE 4333; Chaplin, Jonathan, 4 cr

5402 Bio-based Products Engineering Lab I (Credit will not be granted if credit has been received for: BBE 4402; A-F only; prereq Grad student or inst consent) 53587 001 LAB, 08:30am-11:00am F, Kaufl, 60, STPAUL; Meets with: 53590 BBE 4402; Tschirner, Ulrike Waltraud. 68349 002 LAB, 10:00am-12:30pm W, Kaufl, 60, STPAUL; Meets with: 68348 BBE 4402; Tschirner, Ulrike Waltraud.

5412 Biocomposites and Biomass Energy (Credit will not be granted if credit has been received for: BBE 4413, HEC 4413; Grad student or inst consent) 53886 001 LET, 09:30am-11:30am T, Kaufl, 302, STPAUL. Meets with: 53810 BBE 4410; Severson, Steve John, 3 cr

5413 A Systems Approach to Residential Construction (Credit will not be granted if credit has been received for: BBE 4413, HEC 4413; Grad student or inst consent) 53889 001 LET, 03:00pm-04:15pm T, Hodsonh 495, STPAUL. Meets with: 53801 BBE 4413; HSC 4413; Severson, Steve John, 4 cr

5416 Building Testing & Diagnostics (Credit will not be granted if credit has been received for: BBE 4416; prereq Grad student or inst consent) 5011 LET, 01:15pm-02:30pm T, Kaufl, 302, STPAUL; Meets with: 48289 BBE 4416 58917 002 LAB, 03:00pm-04:15pm F, Kaufl, 302, STPAUL. Meets with: 58916 001 DRS, 2 cr

5504 Bio-based Products Development and Management (A-F only; prereq Grad student or inst consent) 58956 001 LET, 09:45am-11:15am T, Hodsonh 495, STPAUL. Meets with: 53593 BBE 4540W; Espinoza, Omar A, 3 cr

5523 Ecological Engineering Design (Credit will not be granted if credit has been received for: BBE 4523; A-F only; prereq CHEM 1022, CE 3502) 58916 001 LET, 09:45am-11:15am T, Hodsonh 495, STPAUL. Meets with: 53587 BBE 4502; Schilling, Jonathan Scott.

5713 Biological Process Engineering (Credit will not be granted if credit has been received for: BBE 4743; A-F; prereq [3033, [4013 or Concurrent registration is required (or allowed) in 4013), [upper div CSE or grad student] or inst consent]) 59950 001 LEC, 11:45am-12:35pm MWF, Kaufl, 302, STPAUL. Meets with: 54563 BBE 4713; Zhun, Jun; Wang, Ping, 3 cr

5723 Food Process Engineering (Credit will not be granted if credit has been received for: BBE 4723; A-F; prereq [6013 or Concurrent registration is required (or allowed) in 4013), [upper div CSE or grad student] or inst consent] 59875 001 LEC, 10:45am-12:00pm T, BBE 4730, STPAUL. Meets with: 59462 BBE 4723; Ruan PhD, R. Roger, 3 cr

5733 Renewable Energy Technologies (Credit will not be granted if credit has been received for: BBE 4733; A-F only; prereq Grad student or inst consent) 59873 001 LEC, 02:30pm-03:45pm T, BBE 4730, STPAUL. Meets with: 55636 BBE 4733; Ruan PhD, R. Roger, 3 cr

8002 Seminar II (max crs 2; A-F; prereq 8001 or Concurrent registration is required (or allowed) in 8001 or equiv) 55525 001 SEM, 01:55pm-03:55pm M, MagathLib 8, STPAUL. Sarkanen, Simon, 1 cr

8094 Advanced Problems and Research (max crs 6; prereq 8001) 51102 001 DRS; Nieber, John Little, 2-6 cr

8300 Research Problems (max crs 10; repeats allowed; prereq inst consent) 45418 002 DRS, 1-10 cr

8333 FTE: Master’s (NGA; prereq Master’s student, adviser and DGS consent) 49309 001 THE, 1 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent) 49420 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required courses for 1st/2nd registrations, up to 12 combined cr; dept consent required for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr) 49509 001 THE, 1-6 cr

8777 Thesis Credits: Master’s (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only]) 49636 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required) 49787 001 THE, 1-24 cr
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<td>A-F; prereq MBA student</td>
<td>1 cr</td>
<td>TTh</td>
<td>09:45am-11:00am TTh</td>
<td>HMH 1-104</td>
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**BUSINESS LAW (BLaw)**

- **3-110 Carlson School of Management, 321 19th Ave S, West Bank Campus, Minneapolis, MN, 55455**
- **612/624-6506, http://www.csom.umn.edu**

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<td>4009</td>
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<td>A-F; prereq MBA student</td>
<td>1 cr</td>
<td>TTh</td>
<td>09:45am-11:00am TTh</td>
<td>HMH 1-104</td>
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**CARLSON SCHOOL OF MANAGEMENT (CSOM)**

- **3-400 Carlson School of Management, 321 19th Ave S, West Bank Campus, Minneapolis, MN, 55455**
- **612/625-0027, http://www.csom.umn.edu**

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<td>Art of Healing: Self as Healer (prereq dr or sr or grad student or instr consent)</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
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4594 Directed Research  
(max crs 12)  
48392 001 LEC; Kaznessis, Yiannis, 1-12 cr

4702 Advanced Undergraduate Rheology (A-F; prereq [MATS 3005 or 4005], inscr consent)  
59385 001 LEC, 01:25pm-02:15pm MW, Amund H 156, 01/17/12-03/10/12; Meets with: 59397 CHEM 8102; Maccos, Chris, 2 cr

5531 Electrochemical Engineering and Renewable Energy (Credit will not be granted if credit has been received for: MATH 5533; A-F; prereq [MATS 3011 or instr consent]; [upper div CSE or grad student])  
59522 001 LEC, 02:30pm-03:20pm FM, Amund H 156; Meets with: 59523 MATS 5531; Smyl, William H, 3 cr

5753 Biological Transport Processes (Credit will not be granted if credit has been received for: ME 3581; BMEN 5311; Barnos, Victor Howard; Odde, David John, 3-4 cr)

8101 Fluid Mechanics I: Change, Deformation, Equations of Flow (A-F only; prereq Chemical engineering grad student or instr consent)  
61446 001 LEC, 09:00am-09:55am FM, McEhe, Melch 106; Meets with: 48395 BMEN 5311; Barnos, Victor Howard; Odde, David John, 3-4 cr

8610 Seminar: Modern Problems in Chemical Physics  
(max crs 2; SA; prereq Grad chem physics major or instr consent)  
58170 001 SEM; Siepmann, Ilja, 1 cr

8666 Doctoral Pre-Thesis Credits  
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)  
49524 001 THE, 1-6 cr

8777 Thesis Credits: Master's  
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])  
49645 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral  
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
49547 001 THE, 1-24 cr

CHEMISTRY (Chem)  
139 Smith Hall, 207 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455  

1015 Introductory Chemistry: Lecture  
(prereq [High school chemistry or equiv], two yr high school math, not passed chem placement exam, Internet access required; high school physics recommended; CHEM 1015 is a 3-credit, lecture-only course, with the lectures delivered online via WebVista, and exams taken in person on campus. Internet access is required. Students will go on to take CHEM 1021 should take CHEM 1015 only. Students who will NOT be continuing on to CHEM 1021 and need to fulfill the Physical Science/Lab core requirement need take the 1-credit lab course CHEM 1017 either concurrently or consecutively. This course will NOT fulfill the Physical Science/Lab core requirement unless the CHEM 1017 lab course is completed either concurrently or consecutively.)  
54720 001 LEC, 06:00pm-07:00pm M, ROOM TBA, M, 04/03/12-04/06/12 M, ROOM TBA, 04/09/12-04/12/12 M, ROOM TBA, 04/15/12-04/18/12 M, ROOM TBA, 04/22/12-04/25/12 M, ROOM TBA, 04/28/12-05/01/12 M, ROOM TBA, 05/04/12-05/07/12 M, ROOM TBA, 05/11/12-05/14/12 M, ROOM TBA, 05/17/12-05/20/12 M, ROOM TBA, 05/24/12-05/27/12 M, ROOM TBA, 05/31/12-06/03/12 M, ROOM TBA, 06/07/12-06/10/12 M, ROOM TBA, 06/13/12-06/16/12 M, ROOM TBA, 06/19/12-06/22/12 M, ROOM TBA, 06/26/12-06/29/12 M, ROOM TBA, 07/03/12-07/06/12 M, ROOM TBA, 07/10/12-07/13/12 M, ROOM TBA, 07/17/12-07/20/12 M, ROOM TBA, 07/24/12-07/27/12 M, ROOM TBA, 07/29/12-08/01/12 M, ROOM TBA, 08/05/12-08/08/12 M, ROOM TBA, 08/12/12-08/15/12 M, ROOM TBA, 08/19/12-08/22/12 M, ROOM TBA, 08/26/12-08/29/12 M, ROOM TBA, 09/02/12-09/05/12 M, ROOM TBA, 09/09/12-09/12/12 M, ROOM TBA, 09/16/12-09/19/12 M, ROOM TBA, 09/23/12-09/26/12 M, ROOM TBA, 09/30/12-10/03/12 M, ROOM TBA, 10/07/12-10/10/12 M, ROOM TBA, 10/14/12-10/17/12 M, ROOM TBA, 10/21/12-10/24/12 M, ROOM TBA, 10/28/12-10/31/12 M, ROOM TBA, 11/04/12-11/07/12 M, ROOM TBA, 11/11/12-11/14/12 M, ROOM TBA, 11/18/12-11/21/12 M, ROOM TBA, 11/25/12-11/28/12 M, ROOM TBA, 12/02/12-12/05/12 M, ROOM TBA, 12/09/12-12/12/12 M, ROOM TBA, 12/16/12-12/19/12 M, ROOM TBA, 12/23/12-12/26/12 M, ROOM TBA, 12/30/12-12/31/12 M, ROOM TBA

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1017 Introductory Chemistry: Laboratory (2 credits) [CRN 58144] 4 credits. This course is not intended for students who are planning to take CHEM 1021. Intended only for students who need the course to fulfill a science requirement, and are taking CHEM 1015 either concurrently or consecutively. This course will NOT fulfill the University of Minnesota Core Curriculum requirement, unless CHEM 1015 is completed either concurrently or consecutively.

45859 011 LAB, 01:25pm-04:10pm F, Smith, H. 15 seats reserved for FRFY - Freshman Full Year, 4 credits.

1022 Chemical Principles II (Credit will not be granted if credit has been received for: CHEM 1031H; prereq of at least C- in [1011 or 1013], or concurrent laboratory course) [CRN 45885] 4 credits. This course is not intended for science or engineering majors; Note: Students who have previously received a grade of C- or better and wish to repeat this course should not register for it during the registration queue. If they do they may have their registration canceled. They will be allowed to register on a space available basis, during open enrollment.; meets CLE req of Physical Sciences)

1001 LEC, 10:00am-11:50am M,W,F, Smith, H. 30 seats reserved for FRFY - Freshman Full Year, 4 credits.

1021 Chemical Principles I (Credit will not be granted if credit has been received for: CHEM 1013H; prereq of at least C- in [1011 or 1013], or concurrent laboratory course) [CRN 45895] 4 credits. This course is not intended for science or engineering majors; Note: Students who have previously received a grade of C- or better and wish to repeat this course should not register for it during the registration queue. If they do they may have their registration canceled. They will be allowed to register on a space available basis, during open enrollment.; meets CLE req of Physical Sciences)

57958 013 LAB, 01:25pm-04:10pm F, Smith, H. 15 seats reserved for FRFY - Freshman Full Year, 4 credits.

1032H Honors Chemistry II (Credit will not be granted if credit has been received for: CHEM 1022; A-F only; prereq [1013H or equiv], University student and permission of University Honors Program; meets CLE req of Physical Sciences; meets HON req of Honors)

58144 003 LAB, 08:00am-11:50am M, Smith, H. 4 credits.

1905 Freshman Seminar [CRN 59110] 1 credit. 1 credit.

2094 Directed Research (max crs 3; A-F only; prereq freshman; meets CLE req of Physical Sciences)

49693 001 DRS, 1 credit.

2121 Process Analytical Chemistry (A-F only; prereq [2092 or Concurrent registration is required (or allowed) in 2302). [3501 or Concurrent registration is required (or allowed) in 3501). CSE student)

56778 006 LAB, 09:00am-11:50am T, Smith, H. 15 seats reserved for FRFY - Freshman Full Year, 4 credits.

2231 Organic Chemistry II (A-F only; Grade of at least C- in 2121, Concurrent registration is required (or allowed) in 2311; meets CLE req of Physical Sciences)

54902 001 LEC, 09:00am-09:50am MWF, Muthyala, R. 15 seats reserved for FRFY - Freshman Full Year; 15 seats reserved for NASS - New Advanced Standing; 4 credits.

59321 002 LAB, 12:00pm-02:30pm R., ROCHESTER, Muthyala, R. 15 seats reserved for FRFY - Freshman Full Year; 15 seats reserved for NASS - New Advanced Standing; 4 credits.
online Class Schedule.

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

320I Organic Chemistry II

(credit only; prerequisite [MATH 3011; or CHEM 4011 or MATS 4011 or Div Mat or Chem En or CHEM1 or instr consent])

3220L Organic Polymer Laboratory

(Credit will not be granted if credit has been received for: MATS 2236W, CHEM 2236W; prerequisite 2012 or 2014 or 2012 or instr consent; meets CLEQ of Writing Intensive)

5201 Materials Characterization

(prerequisite grad student or instr consent)

8021 Computational Chemistry

(prerequisite 3062 or equiv)

8155 Advanced Electroanalytical Chemistry

(prerequisite instr consent)

8211 Physical Polymer Chemistry

(Credit will not be granted if credit has been received for: MATS 8211, CHEM 8211; prerequisite undergrad physical chemistry major or instr consent)

8322 Advanced Organic Chemistry

(prerequisite 2302 or equiv)

8412 Chemical Biology of Enzymes

(prerequisite 2302 or equiv)

8443 FTE: Doctoral

(NGA; prerequisite Doctoral student, adviser and DGS consent)

8522 Quantum Mechanics II

(prerequisite 8501)

8562 Thermodynamics, Statistical

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
3275 Service Learning in the Chicano/Latino Community
(Credit will not be granted if credit has been received for: CHIC 1275; A-F; meets CLE req of Civic Life and Ethics)
54579 001 LEC, 04:00pm-06:00pm M, Kohli 133; To receive a registration number to register for this class, students must submit a pre-registration form on-line at http://chicano.umn.edu/community/registrationform.html CALL 612-624-6309 for ASSISTANCE; Meets with: 54917 CHIC 1275; Ganley, Kathleen Marie, 3 cr

3325 Transnational Chicana/o Theory: Global Views/Borderland Spaces
56900 010 LET, 10:10am-12:05pm TTh, SSu, Room TBA; Meets with: 57483 CHEM 4725; Que Jr, Lawrence, 4 cr

3352 Migrant Farmworkers in the United States: Families, Work, and Advocacy
(courtesy of CLE req of Civic Life and Ethics)
55517 001 LEC, 02:30pm-04:30pm MWF, MWL 220; Meets with: 55719 CHEM 5374; Sass Zaragoza, Lisa, 3 cr

3346 Chicana/o History II: WWII, El Movimiento, and the New Millennium
(courtesy of CLE req of Diversity and Soc Justice US)
54919 001 LEC, 12:45pm-02:00pm TTh, Room TBA; TCEASTBANK; Patino Jr, Jimmy Charles, 3 cr

3452 Xicana/Indigena Studies: History, Culture, and Politics
(courtesy of CLE req of Diversity and Soc Justice US)
59149 001 LEC, 11:15am-12:30pm MW, Room TBA; TCEASTBANK; Kochinem, Tlahtoki, 3 cr

3507W Introduction to Chicana/o Literature
(courtesy of CLE req of Diversity and Soc Justice US)
57516 001 LEC, 12:45pm-02:00pm TTh, Murk 214; Covarrubias, Alexandra Mendez, 3 cr

3672 Chicana/o Experience in the Midwest
(courtesy of CLE req of Diversity and Soc Justice US)
59291 001 LEC, 10:00am-11:50am MW, Blegen Hall 120; Meets with: 50959 AAS 1201, 67830 AFRO 1201, 65234 AMIN 1201; Onishi, Yuichiro, 3 cr

3752 Chicanas and Chicanos in Contemporary Society
(courtesy of CLE req of Diversity and Soc Justice US)
55083 001 LEC, 09:00am-11:00am MW, Room TBA; TCEASTBANK; Kochinem, Tlahtoki, 3 cr

3900 Topics in Chicana/o Studies
(max crs 6; A-F)
52710 001 LEC, 04:00pm-05:15pm TTh, SmithH 121; CASA SOL Leadership; 14 seats reserved for CASA Sol Cultural House; Vazquez, Gilberto, 3 cr

3993 Directed Studies
(max crs 16; 10 repeats allowed; NRA; max cr 18 per semester or summer; 24 cr required)
49029 001 THE, 1-24 cr

8777 Thesis Credits: Master’s
(max cr 18 per semester or summer; 10 cr total required [Plan A only])
49443 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral
(max cr 100; 10 repeats allowed; NRA; max cr 18 per semester or summer; 24 cr required)
49299 001 THE, 1-24 cr

57424 001 LEC; Meets with: 55655 AFRO 4231, 58330 PSYCH 4231, 58365 PSYCH 4231

45839 004 DIS, 10:10am-11:00am W, ScottH 4; Meets with: 53742 PSYCH 4231; Pleuss, Jessica C, 4 cr

46095 CPSY 3301; Pleuss, Jessica C, 4 cr

46096 CPSY 3301; Pleuss, Jessica C, 4 cr

56712 001 LEC; 1 seat reserved for non-PSEO, non-admitted student, 1 cr

5663 Building Friendships and Peer Relationship Skills: Interventions for Socially Rejected Children
56712 001 LEC; 1 seat reserved for non-PSEO, non-admitted student, 1 cr

57641 011 CLN, 08:00am-05:00pm MWThuF, Room TBA, TCEASTBANK; Eckert, Elke D, 1-6 cr

2301 Introductory Child Psychology
(Credit will not be granted if credit has been received for: CPSY 3301; prereq 4 cr intro psych)
5001 LEC, 12:45pm-02:00pm TTh, BlegH 5. No credit will be granted if credit has been received for 3301 or equivalent; Meets with: 46095 CPSY 3301; Pleuss, Jessica C

54587 002 DIS, 10:10am-11:00am M, ScottH 4; Meets with: 46096 CPSY 3301; Pleuss, Jessica C, 4 cr

54588 003 DIS, 10:10am-11:00am W, ScottH 4; Meets with: 46097 CPSY 3301; Pleuss, Jessica C, 4 cr

49383 004 DIS, 10:11am-11:25am M; ScottH 4; Meets with: 46098 CPSY 3301; Pleuss, Jessica C, 4 cr

49405 005 DIS, 11:15am-12:25pm M; ScottH 4; Meets with: 46099 CPSY 3301, 4 cr

51226 001 LEC; 1 seat reserved for non-PSEO, non-admitted student, 1 cr

5374 Migrant Farmworkers in the U.S.: Families, Work, and Advocacy
(courtesy of CLE req of Civic Life and Ethics)
57199 001 LEC, 08:00am-09:50am TTh, SSu, Room TBA; Meets with: 55517 CHEM 3374; Sass Zaragoza, Lisa, 3 cr

5993 Directed Studies
(max crs 16; 10 repeats allowed; NRA; max cr 24 per semester or summer; 36 cr required)
46046 001 DIST; Mendoza, Louis Gerard, 1-3 cr

58365 001 LEC; Meets with: 55655 AFRO 4231, 58330 AMIN 4231, 3 cr

4901W Senior Paper
(3-5 cr; meets CLE req of Writing Intensive)
55526 10200 DIST, 04:00pm-06:00pm M, SmithH 111; Mendoza, Louis Gerard, 3 cr

3232 Chicanas and Latinas and Latinas/o Representation in Film
(max crs 8; 8 repeats allowed; NRA; with: 3231; 8 crs required)
54683 001 LEC, 09:45am-11:00am TTh, ScottH 4; Rodriguez, Reina C, 3 cr

55425 002 LEC, 09:45am-11:00am MW, SmithH 111; Mendoza, Louis Gerard, 3 cr

5374 Migrant Farmworkers in the U.S.: Families, Work, and Advocacy
(courtesy of CLE req of Civic Life and Ethics)
57199 001 LEC, 08:00am-09:50am TTh, SSu, Room TBA; Meets with: 55517 CHEM 3374; Sass Zaragoza, Lisa, 3 cr

5993 Directed Studies
(max crs 16; 10 repeats allowed; NRA; max cr 24 per semester or summer; 36 cr required)
46046 001 DIST; Mendoza, Louis Gerard, 1-3 cr

This information is accurate as of 10/20/2011 at 12:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
3301 Introductory Child Psychology for Social Sciences
(Credit will not be granted if credit has been received for CI 232)

4331 Social and Personality Development
61152 001 LEC, 09:45am-11:00am MWF, STSS 118; Lawler, Jamie M. 4 cr
68391 015 LEC, 10:45am-12:05pm TTh, Peikh 375; Meets with: 68361 CPSY 3301; Stellmem, Sarah Ann; Dossel, Sabine 4 cr

4332 Development and Interpersonal Relations
(A-F only; prereq 2301 or equiv, 4331; meets CLE req of Writing Intensive)

4343 Cognitive Development
(A-F only; prereq 2301)

4345 Language Development and Communication
(A,F only; prereq 2301)

4347W Senior Project
(A-F, prereq ECG student)

4393 Directed Experiences in Early Childhood Education
(48469 001 LEC, 02:30pm-06:15pm Th, ChDev 105; Carlson, Ann Ruhl, 3 cr)

4994 Directed Research in Child Psychology
(46469 001 CRS; Drs. Brian Hinton, 4 cr)

5060 Infant Observation Seminar I
(46480 001 LEC, 01:00pm-05:00pm F, HHCCHR 35, 01/20/12-05/18/12; Gearity PhD, Anne R; Carlson, Elizabeth Anne; Harman, Scott; Schultz, Susan Kristine; Siegel, Carol F, 1 cr)

5303 Foundations in Infant and Early Childhood Mental Health II
(A-F, prereq 5001)

5506 Infant Observation Seminar I (NGA; prereq Master's student, adviser and DGS consent required; Gunnar PhD, Megan R; Carlson, Elizabeth Anne; Harman, Scott; Schultz, Susan Kristine; Siegel, Carol F, 1 cr)

56242 007 LEC, 01:00pm-05:00pm F, HHHCCHR 35, 01/20/12-02/17/12; 02/17/12-03/23/12, 03/23/12-04/20/12, 04/20/12-05/18/12; 04/20/12-05/18/12, 05/18/12-05/18/12; Gearity PhD, Anne R; Carlson, Elizabeth Anne; Harman, Scott; Schultz, Susan Kristine; Siegel, Carol F, 1 cr

56243 008 LEC, 01:00pm-05:00pm F, HHHCCHR 35, 01/20/12-02/17/12; 02/17/12-03/23/12, 03/23/12-04/20/12, 04/20/12-05/18/12; 04/20/12-05/18/12, 05/18/12-05/18/12; Gearity PhD, Anne R; Carlson, Elizabeth Anne; Harman, Scott; Schultz, Susan Kristine; Siegel, Carol F, 1 cr

56873 Social and Personality Development
61152 001 LEC, 09:45am-11:00am MWF, STSS 118; Lawler, Jamie M. 4 cr
68391 015 LEC, 10:45am-12:05pm TTh, Peikh 375; Meets with: 68361 CPSY 3301; Stellmem, Sarah Ann; Dossel, Sabine 4 cr
1016 Accelerated Intermediate Modern Chinese  
( prerequisite: 1015 or oral/aural skills of other Chinese dialect recommended; credit will not be granted if credit received for: 3021 or 3022)

5920 007 DIS, 09:40am-10:30am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 008 DIS, 09:40am-10:30am MWF, TTh; Meets with: 5920 007 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 006 DIS, 08:00am-09:00am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 005 DIS, 07:20am-08:20am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 001 LEC, 11:10am-12:00pm TTh, FolH 99; Meets with: 5920 007 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 004 DIS, 07:20am-08:20am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 003 DIS, 06:15am-07:15am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 002 DIS, 08:00am-09:00am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 001 DIS, 10:15am-11:15am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 000 DIS, 09:00am-10:00am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 002 LEC, 07:25am-08:15am TTh, FolH 99; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 001 LEC, 06:15am-07:15am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 000 LEC, 05:00pm-06:00pm MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 004 LEC, 06:15am-07:15am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 003 LEC, 07:25am-08:15am TTh, FolH 99; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 002 LEC, 06:15am-07:15am MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 001 LEC, 05:00pm-06:00pm MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 000 LEC, 04:00pm-05:00pm TTh, FolH 99; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 004 LEC, 05:00pm-06:00pm MWF, TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 003 LEC, 04:00pm-05:00pm TTh, FolH 99; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 002 LEC, 03:00pm-04:00pm TTh, FolH 99; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 001 LEC, 02:30pm-03:30pm TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 000 LEC, 01:30pm-02:30pm TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 004 LEC, 01:30pm-02:30pm TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 003 LEC, 01:00pm-02:00pm TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 002 LEC, 00:30pm-01:30pm TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 001 LEC, 11:00am-12:00pm TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 000 LEC, 10:30am-11:30am TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 004 LEC, 09:00am-10:00am TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 003 LEC, 08:00am-09:00am TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 002 LEC, 07:30am-08:30am TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 001 LEC, 06:00am-07:00am TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
5920 000 LEC, 05:00am-06:00am TTh; Meets with: 5920 008 CHN 4002; Stone, Jin YaLiang, 5 cr
3111 CADD for Civil Engineers
(S-N; prereq 3201)
50572 001 LAB, 10:00am-12:00pm MW, CivE 221; Johnson, Ann M, 3 cr
55199 002 LAB, 12:00pm-01:15pm MW, CivE 221; Johnson, Ann M, 3 cr
4121 Computer Applications in Civil Engineering II
(A-F only; prereq 3101, MATH 2243, MATH 2263, (CE or upper div GeoE))
57108 001 LEC, 12:45pm-02:00pm MW, CivE 205; Guivin, Bogdan J, 3 cr

3201 Transportation Engineering
(prep PHYS 1313, 3102)
001 LEC, 11:15am-12:30pm MW, Phys 133; Meets with:
52256 GEOE 3301; Hultin, Arturo Ernest, 3 cr
46086 002 DIS, 03:00pm-04:30pm M, CivE 221; Hultin, Arturo Ernest, 3 cr
46089 003 DIS, 03:00pm-04:30pm W, CivE 221; Hultin, Arturo Ernest, 3 cr
46249 002 LAB, 04:00pm-06:00pm M, CivE 350; Meets with:
52257 GEOE 3301; Hultin, Arturo Ernest, 3 cr
46250 003 LAB, 04:00pm-06:00pm T, CivE 350; Meets with:
52258 GEOE 3301; Hultin, Arturo Ernest, 3 cr
46251 004 LAB, 08:00am-09:50am F, CivE 221; Hultin, Arturo Ernest, 3 cr
55376 009 LAB, 06:00pm-08:00pm F, CivE 350; Meets with:
53876 GEOE 3301; Hultin, Arturo Ernest, 3 cr

3301 Soil Mechanics I
(A-F only; prereq CSE, AEM 3031)
001 LEC, 11:15am-12:30pm TTh, Phys 133; Meets with:
52256 GEOE 3301; Hultin, Arturo Ernest, 3 cr
46249 002 LAB, 04:00pm-06:00pm M, CivE 350; Meets with:
52257 GEOE 3301; Guivin, Bogdan J, 3 cr
46249 002 LAB, 04:00pm-06:00pm M, CivE 350; Meets with:
52258 GEOE 3301; Guivin, Bogdan J, 3 cr
46251 004 LAB, 08:00am-09:50am W, CivE 350; Meets with:
52259 GEOE 3301; Guivin, Bogdan J, 3 cr
50138 005 LAB, 04:00pm-06:00pm Th, CivE 350; Meets with:
52260 GEOE 3301; Guivin, Bogdan J, 3 cr
53876 009 LAB, 06:00pm-08:00pm F, CivE 350; Meets with:
53876 GEOE 3301; Guivin, Bogdan J, 3 cr

3401 Linear Structural Analysis
(A-F only; prereq Grade of at least C- in AEM 3031, CSE)
46392 001 LEC, 12:45pm-02:00pm MW, MechE 108; Le, Jialiang, 3 cr

3402W Civil Engineering Materials
(A-F only; Grade of at least C- in [AEM 3031 or BBE 3001]; IT; meets CLE req of Writing Intensive)
001 LEC, 11:15am-12:30pm TTh, CivE 210; Lemer, Cherie M; Strack PhD, Otto D, 3 cr
46397 002 LAB, 08:00am-10:50am M, CivE 188; 01/17/2012-03/10/12; "Environmental and Transportation students; Meets with:
4112 Computer Applications in Civil Engineering II; Marshall, Julian, 2 cr
46504 003 LAB, 03:00pm-05:00pm M, CivE 277; Guala, Carol K, 4 cr
46505 004 LAB, 12:30pm-02:20pm T, CivE 277; Guala, Carol K, 4 cr
55343 005 LAB, 03:00pm-05:00pm T, CivE 277; Guala, Carol K, 4 cr
55355 006 LAB, 03:00pm-05:00pm Th, CivE 277; Guala, Carol K, 4 cr

4000H Honors Research Seminar
(Credit will not be granted if credit has been received for: GEOE 4000H; max crs 2; A-F; prereq upper div CE; meets HON req of Honors)
62058 001 LEC; Barnes, Randall J, 1 cr

4011 Special Topics
(max crs 12; 3 repeats allowed; A-F; prereq upper div CE; HON req of Honors)
63946 001 LEC, 09:45am-11:00am TTh, CivE 210; Guala, Michele
46503 002 LAB, 12:30pm-02:30pm M, CivE 277; Guala, Michele, 4 cr
46504 003 LAB, 03:00pm-05:00pm M, CivE 277; Guala, Michele, 4 cr
46505 004 LAB, 12:30pm-02:20pm T, CivE 277; Guala, Michele, 4 cr
55343 005 LAB, 03:00pm-05:00pm T, CivE 277; Guala, Michele, 4 cr
55355 006 LAB, 03:00pm-05:00pm Th, CivE 277; Guala, Michele, 4 cr

4102W Capstone Design
(A-F only; prereq 4301, 4401, 4501, 4502; meets CLE req of Writing Intensive)
46086 001 LEC, 12:00pm-02:50pm MW, CivE 221; Guala, Michele
46086 001 LEC, 12:00pm-02:50pm MW, CivE 221; Guala, Michele
46081 002 LEC, 04:00pm-05:15pm Th, CivE 211; Guala, Michele
46081 002 LEC, 04:00pm-05:15pm Th, CivE 211; Guala, Michele
46106 001 DIS, 03:00pm-04:30pm W, CivE 222; Guivin, John Stephen, 4 cr
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.

### EASTERN STUDIES (CNES)
**245 Nicholson Hall, 216 Pillsbury Drive, East Bank Campus, Minneapolis, MN, 55455**
612/625-5353, http://cnes.cla.umn.edu/

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3993 Directed Studies</td>
<td>(max crs 16; 4 repeats allowed; prereq instr consent)</td>
<td>T-Th</td>
<td>02:30pm-05:00pm</td>
<td>Gallia, Andrew B</td>
<td>4 cr</td>
</tr>
<tr>
<td>5939 Directed Studies</td>
<td>(max crs 14; 4 repeats allowed; prereq instr consent, dept consent, college consent)</td>
<td>T-Th</td>
<td>02:30pm-05:00pm</td>
<td>Gallia, Andrew B</td>
<td>4 cr</td>
</tr>
<tr>
<td>5994 Directed Research</td>
<td>(max crs 12; prereq instr consent, dept consent, college consent)</td>
<td>T-Th</td>
<td>02:30pm-05:00pm</td>
<td>Gallia, Andrew B</td>
<td>4 cr</td>
</tr>
<tr>
<td>8666 Doctoral Pre-Thesis Credits</td>
<td>(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)</td>
<td>T-Th</td>
<td>02:30pm-05:00pm</td>
<td>Gallia, Andrew B</td>
<td>4 cr</td>
</tr>
<tr>
<td>8950 Topics in Classical &amp; Near Eastern Studies</td>
<td>(max crs 12; 4 repeats allowed)</td>
<td>T-Th</td>
<td>02:30pm-05:00pm</td>
<td>Gallia, Andrew B</td>
<td>4 cr</td>
</tr>
<tr>
<td>3340 Practicum in Archaeological Field and Computer Techniques</td>
<td>(Credit will not be granted if credit has been received for: CNES 3340, ARTH 3340, ARTH 3340, CNES 3340; prereq CI/Civ major or inst consent or one course in ancient art and archaeology)</td>
<td>T-Th</td>
<td>02:30pm-05:00pm</td>
<td>Gallia, Andrew B</td>
<td>4 cr</td>
</tr>
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### CLASICAL CIVILIZATION (CI/Civ)
**245 Nicholson Hall, 216 Pillsbury Drive, East Bank Campus, Minneapolis, MN, 55455**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3950 Topics in Classical Civilization</td>
<td>(max crs 9; 3 repeats allowed)</td>
<td>T-Th</td>
<td>02:30pm-05:00pm</td>
<td>Gallia, Andrew B</td>
<td>4 cr</td>
</tr>
<tr>
<td>3993 Directed Studies</td>
<td>(max crs 16; 4 repeats allowed; prereq instr consent)</td>
<td>T-Th</td>
<td>02:30pm-05:00pm</td>
<td>Gallia, Andrew B</td>
<td>4 cr</td>
</tr>
</tbody>
</table>
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
COLLEGE OF LIBERAL ARTS (CLA)
49 Johnston Hall, 101 Pleasant Street SE, East Bank Campus, Minneapolis, MN 55455

1001 Introduction to CLA Student Life (S-N)
59946 001 SEM, 01/17/12-03/03/12, 1 cr

1051 CLA Freshman Research (NGA; prerequisite: freshman receiving a CLA Research Opportunity.)
58198 001 DRS; 45 seats reserved for CLA freshman, 0 cr

1052 CLA Freshman Research (max crs 2; prerequisite: MATH 1032 or 1033 or 1051)
58199 001 DRS; 45 seats reserved for CLA freshman, 1-2 cr

1200 Topics
59879 001 LEC, 09:45am-11:00am TH, STSS 412; Meets CLE req of Civic Life and Ethics; 3 cr

59955 002 LAB, 02:30pm-04:10pm W, LindH 229, 03/19/12-04/05/12; 15 seats reserved for CSE student; Hinze, Kait, 1 cr

1101 Introduction to Public Speaking (Credit will not be granted if credit has been received for: RHET 1223, PSTL 1461, COMM 1101H; meets CLE req of Civic Life and Ethics)
50940 001 LEC, 08:00am-10:00am TTh, STSS 412; Meets CLE req of Civic Life and Ethics; 3 cr

1102 Exploring Careers in Science and Engineering (max crs 1; A-F)
61587 001 DIS, 02:30pm-04:10pm W, LindH 203, 03/17/12-03/23/12; 15 seats reserved for CSE student; Hinze, Kait, 1 cr

1112 Preparing Students for Careers in Science and Engineering
48979 001 DIS, 02:30pm-04:10pm W, LindH 229, 03/12-05/04/12; 25 seats reserved for CSE student; Hinze, Kait, 1 cr

COMMUNICATION STUDIES (Comm)
225 Ford Hall, 224 Church St SE, East Bank Campus, Minneapolis, MN 55455
612/624-5800, http://www.comm.umn.edu

1001 Introduction to Public Speaking (Credit will not be granted if credit has been received for: RHET 1223, PSTL 1461, COMM 1101H; meets CLE req of Civic Life and Ethics)
50940 001 LEC, 08:00am-10:00am TTh, STSS 412; Meets CLE req of Civic Life and Ethics; 3 cr

1311 Engineering Basics (A-F)
55612 001 LEC, 12:45pm-02:00pm TTh, AmundH 240; Imbemort, Paul Jay, 2 cr

1411 Exploring Careers in Science and Engineering (max crs 1; A-F)
61587 001 DIS, 02:30pm-04:10pm W, LindH 203, 03/17/12-03/23/12; 15 seats reserved for CSE student; Hinze, Kait, 1 cr

1413 Preparing Students for Careers in Science and Engineering
48979 001 DIS, 02:30pm-04:10pm W, LindH 229, 03/12-05/04/12; 25 seats reserved for CSE student; Hinze, Kait, 1 cr
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Section Code</th>
<th>Lecture Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>3131W Analysis of Argument</td>
<td>50912</td>
<td>04:00pm-05:15pm</td>
<td>FordH B29; 1 seat</td>
<td>enforced for NASS - New Advanced Standing S; 3 cr</td>
</tr>
<tr>
<td>3110H Honors: Introduction to Public Speaking</td>
<td>50913</td>
<td>09:00am-10:55am</td>
<td>FordH B55; 2 seats</td>
<td>visiting Comm, instr consent; meets HON req of Honors</td>
</tr>
<tr>
<td>3168W Rhetorical Fictions and 20th Century Conflicts</td>
<td>60208</td>
<td>01:25pm-02:15pm</td>
<td>FordH B29; 1 seat</td>
<td>Walzer, Arthur Eugene, 4 cr</td>
</tr>
<tr>
<td>3110 Topics in Speech-Communication</td>
<td>52638</td>
<td>04:00pm-05:15pm</td>
<td>FordH B80; 1 seat</td>
<td>Team: Hegel; David, 3 cr</td>
</tr>
<tr>
<td>3401 Introduction to Communication Theory</td>
<td>50922</td>
<td>11:15am-12:05pm</td>
<td>STSS 330; 5 seats</td>
<td>reserved for non-PSEO, non-admitted student; Jones, Susanne Margarethe, 3 cr</td>
</tr>
<tr>
<td>3409 Nonverbal Communication</td>
<td>57507</td>
<td>09:05am-09:55am</td>
<td>FordH B29; 1 seat</td>
<td>Jones, Susanne Margarethe, 3 cr</td>
</tr>
<tr>
<td>3411 Introduction to Small Group Communication</td>
<td>50924</td>
<td>08:00am-08:50am</td>
<td>FordH B80; 3 cr</td>
<td>reserved for NASS - New Advanced Standing S; 3 cr</td>
</tr>
<tr>
<td>3422 Interviewing and Communication</td>
<td>50929</td>
<td>11:15am-12:05pm</td>
<td>FordH B29; 1 seat</td>
<td>reserved for NASS - New Advanced Standing S; 3 cr</td>
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<tr>
<td>3431 Persuasion Theories</td>
<td>50930</td>
<td>12:45pm-02:00pm</td>
<td>FordH B10; 1 seat</td>
<td>reserved for NASS - New Advanced Standing S; 3 cr</td>
</tr>
<tr>
<td>3451W Intercultural Communication: Theory and Practice</td>
<td>50932</td>
<td>02:30pm-03:20pm</td>
<td>FordH B80; 2 seats</td>
<td>reserved for NASS - New Advanced Standing S; 3 cr</td>
</tr>
</tbody>
</table>

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online Class Schedule.

[30x26]online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

50945 001 THE, 1-24 cr
8994 Directed Research (max crs 6; 6 repeats allowed; S-N only)
51222 001 PRC, 1-3 cr

COMPARATIVE AND MOLECULAR BIOSCIENCES (CMB)

5594 Directed Research in Comparative and Molecular Biosciences (max crs 8; 8 repeats allowed; prereq Jr, instr consent)
54695 001 LAB; Muraugh, Michael P, 1-4 cr

5910 Grantwriting: What Makes a Winning Proposal? (Credit will not be granted if credit has been received for: VMEC 5910; S-N only)
56835 001 LEC, 09:00am-12:00pm MTWNTH, Room TBA, STAUMP; 12/16/11 08:30/31/12; will meet in room 385J AS/VM; Meets with: 56892 VMEC 5910; Matchett, Katrina Elizabeth, 1 cr

8100 Research Rotation in Comparative and Molecular Biosciences (max crs 2; S-N; prereq CMB grad student)

8303 Comparative Models of Disease (A-F; prereq Enrollment in a biological sciences grad program or instr consent)
57057 001 LEC, 01:00pm-01:50pm T, ArSci/VM 295M, STAUMP; Collilou, John Peter, 2 cr

8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
54696 001 THE, 1 cr

8335 Molecular Biology Techniques (Credit will not be granted if credit has been received for: ANSC 8131; prereq Biol 5001, Biol 5003 or equiv or instr consent)
001 LEC, 09:30am-11:00am T, ROOM TBA, STAUMP; Meets with: 55176 ANSC 8131; Foster, Douglas N, 3 cr
54708 002 LAB, 09:00am-01:00pm Th, ROOM TBA, STAUMP; Meets with: 55611 ANSC 8131; Foster, Douglas N, 3 cr

8394 Research in Comparative Biomedical Sciences (max crs 18; 5 repeats allowed; prereq Grad CMB major)
54698 001 DRS; Muraugh, Michael P, 1 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
54699 001 THE, 1 cr

8550 Comparative and Molecular Biosciences Seminar (max crs 8; 8 repeats allowed; S-N only; prereq Biol sciences grad student)
54701 001 SEM, 12:00pm-12:50pm T, Room TBA, STAUMP; 12:00pm-12:50pm T, Room TBA, STAUMP; 12:00pm-12:50pm T, Room TBA, STAUMP; Rutherford, Mark Stephen, 1 cr
54702 002 SEM, 12:00pm-12:50pm M, Vet 215, STAUMP; Skinner, Pamela, 1 cr
54709 002 SEM; Walcheck, Bruce Kenneth, 1 cr

8570 Comparative Biomedical Sciences Seminar (max crs 8; 8 repeats allowed; S-N only; prereq Biol sciences grad student)
54704 001 SEM, 03:00pm-04:30pm W, Room TBA, STAUMP; St Hilt, Catherine A, 1 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd-4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
54705 001 THE, 1-6 cr

8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
54706 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral (max crs 10; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
54707 001 THE, 1-24 cr

COMPARATIVE LITERATURE (CL)

235 Nicholson Hall, 216 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/624-8099, http://cscl.umn.edu/

5992 Directed Reading in Comparative Literature (max crs 9; 9 repeats allowed; prereq instr consent)
47319 001 DRD, 1-3 cr

8002 Basic Seminar in Comparative Literature II 47587 001 SEM, 02:00pm-05:00pm M, NichH 135; Meets with: 47588 CSDS 8002; Casarino, Cesare, 3 cr

8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
49518 001 THE, 1 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
49430 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd-4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49525 001 THE, 1-6 cr

8888 Thesis Credit: Doctoral (max crs 10; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49555 001 THE, 1-24 cr

8902 Methodologies Colloquium (max crs 2; S-N; prereq CL grad major or instr consent)
55666 001 COL, 01:00pm-02:30pm F, NichH 120; Meets with: 55667 CSDS 8902, 1 cr

8910 Advanced Topics in Comparative Literature (max crs 4; 4 repeats allowed)
68199 001 SEM, 03:00pm-06:00pm T, NichH 335; Topic: Gramsci & the Marxist Theory of Language; Meets with: 68204 CSDS 8910; Brennan, Timothy Andres, 3 cr
68200 002 SEM, 01:30pm-04:30pm Th, Room TBA, TCEASTBANK; Topic: Methods of Humanistic Critique; Meets with: 68205 CSDS 8910; Ganguly, Keya, 3 cr
68201 003 SEM, 12:00pm-02:30pm W, Room TBA, TCEASTBANK; Topic: Critical Pedagogy and the New Humanities; Meets with: 68206 CSDS 8910; Brown Jr, Robert L, 3 cr
68202 004 SEM, 02:30pm-05:30pm Th, Foli 317; Topic: Spanish-American Baroque; Meets with: 58726 SPAN 8600; Spadaro, Nicholas, 3 cr
68203 005 SEM, 02:30pm-05:00pm W, AmundH 158; Meets with: 68190 CSCI 5910; 68207 CSDS 8910; 67444 ENGL 8090; Scandura, Jari; Rabinowitz, Paula, 3 cr

8992 Directed Reading in Comparative Literature (max crs 12; 12 repeats allowed; prereq instr consent)
47317 001 DRD, 1-4 cr

8994 Directed Research in Comparative Literature (max crs 12; 12 repeats allowed; prereq instr consent)
54705 001 THE, 1-6 cr

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COMPARATIVE STUDIES IN DISCOURSE AND SOCIETY (CSDS)

235 Nicholson Hall, 216 Pillsbury Drive, East Bank Campus, Minneapolis, MN, 55455
612/624-8099, http://cscl.umn.edu/

5910 Topics in Comparative Studies in Discourse and Society
(max crs 32; 8 repeats allowed)
47994 001 LEC, 02:00pm-05:00pm M, NichH 325; Topic: Neo-Realism; Meets with: 51107 CSCL 5910; Casarino, Cesare, 3 cr
69576 002 LEC, 01:25pm-04:00pm M, NichH 325, 3:00pm-06:00pm Th, NichH 325; Meets with: 68191 CSCL 5910; Leppert, Richard, 3-4 cr

5993 Directed Study
(max crs 9; 9 repeats allowed; prereq instr consent)
58673 001 DST, 1-3 cr

8002 Basic Seminar in Comparative Studies in Discourse and Society II
47996 001 LEC, 03:00pm-05:00pm M, NichH 155; Meets with: 47857 CL 8002; Casarino, Cesare, 3 cr

8333 FTE: Master’s
(NGA; prereq Master’s student, adviser and DGS consent)
49320 001 THE, 1 cr

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
49433 001 THE, 1 cr

6666 Doctoral Pre-Thesis Credits
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd-4th registrations, up to 24 combined cr; student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49528 001 THE, 1-6 cr

8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer, 24 cr required)
49768 001 THE, 1-24 cr

8902 Methodologies Colloquium
(max crs 2; S-N; prereq CSDS grad major or inst consent)
55567 001 COL, 01:00pm-02:30pm F, NichH 120; Meets with: 55566 CL 8902, 1 cr

8910 Advanced Topics in Comparative Studies in Discourse and Society
(max crs 24; 8 repeats allowed)
68204 001 SEM, 03:00pm-06:00pm T, NichH 335; Topic: Gramsci & The Manifold Theory of Language; Meets with: 68199 CL 8110; Brennan, Timothy Andres, 3 cr
68205 002 SEM, 01:30pm-04:30pm Th, Room TBA, TCEASTBANK; Topic: Methods of Humanistic Critique; Meets with: 68200 CL 8110; Ganguly, Kayla, 3 cr
68206 003 SEM, 12:00pm-02:30pm W, Room TBA, TCEASTBANK; Topic: Critical Pedagogy and the New Humanities; Meets with: 68201 CL 8110; Brown, J. Richard, 3 cr
68207 005 SEM, 02:30pm-05:00pm W, Amhurd 158; The Discipline of the Archive, and the Museum; Meets with: 68203 CL 8110, 68190 CSCL 5910, 67444 ENGL 8910; Scardura, Jan; Rabinowitz, Paula, 3 cr

8993 Directed Study in Comparative Studies in Discourse and Society
(max crs 12; 12 repeats allowed; prereq instr consent)
47318 001 DST, 1-4 cr

8994 Directed Research in Comparative Studies in Discourse and Society
(max crs 4; prereq instr consent)
47996 01 DRS, 1-4 cr

COMPUTER ENGINEERING

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4061 Introduction to Operating Systems (prereq: 2021 or EE 2338; no cr for grad CSclr) 001 LEC, 12:45pm-2:00pm TTH, KTHH 3-210; Chandria, Anand R, 3 cr 05874 004 DIS, 11:15am-12:30pm M, KTHH 2-106; Chandria, Anand R, 3 cr 58247 005 DIS, 12:20pm-1:00pm M, KTHH 1-260; Chandria, Anand R, 3 cr

4107 Introduction to Computer Graphics Programming (COOL 4107: credit will not be granted if credit has been received for: CSCI 5107; prereq 4041 or instr consent; cannot be taken for grad CSclr) 57133 001 LEC, 02:30pm-03:45pm TTH, KTHH 3-115; Keefe, Dan F, 3 cr 53899 007 LEC, 04:00pm-05:15pm MW, MechE 212; Tripathi, Anand R, 3 cr

4131 Internet Programming (Credit will not be granted if credit has been received for: CSCI 5131; prereq 4041, 4211 recommended, programming experience required; credit will not be granted if credit received for: 5201, EE 3361) 45811 001 LEC, 10:10am-11:30am MWF, Akerl 319; 10 seats reserved for CScl and CompE majors; Meets with: 52155 EE 4363; Sobelman, Gerald Edward, 4 cr

4211 Introduction to Computer Networks (Credit will not be granted if credit has been received for: CSCI 5211; prereq 4041 or instr consent; basic knowledge of computer architecture, operating systems recommended; cannot be taken for grad CSclr) 59293 001 LEC, 06:30pm-09:00pm T, KTHH 3-115; He, Tian, 3 cr 53900 002 LEC, 06:00pm-08:45pm W, ROOM TBA, OFFCMPTC, 01/18/12-04/25/12; Held at Van Cleve Park, 901 - 15th Ave. SE, Mpls.; 2 seats reserved for non-PSEO, non-admitted student; Raabe, John J, 3 cr

4511 Introduction to Artificial Intelligence (Credit will not be granted if credit has been received for: CSCI 5511; prereq 2011 or instr consent; cannot be taken for grad CSclr; meets CLE req of Writing Intensive) 59163 001 LEC, 04:00pm-05:15pm MW, Phys 166; wetzel, baylor, 4 cr

4950 Senior Software Project (max crs 6; A-F; prereq Upper div Csci, instr consent) 58903 001 DIS; Riedl, John T, 3 cr

4970 Advanced Project Laboratory (max crs 9; 3 repeats allowed; prereq Upper div Csci, 4061, instr consent; cannot be taken for grad CSclr; meets CLE req of Writing Intensive) 48769 001 DST; Barger, Phillip, 3 cr 53039 002 DST; Davis, Mark, 3 cr 53039 003 DST; Davis, Mark, 3 cr 53039 004 DST; Davis, Mark, 3 cr 53040 004 DST; Myers, Chad Leighton, 3 cr 53041 004 DST; Davis, Mark, 3 cr 53042 006 DST; Dovolis, Chris John, 3 cr 53043 007 DST; Du, David Hung-Chang, 3 cr 53044 008 DST; Davis, Mark, 3 cr 53045 009 DST; Gru, Maria L, 3 cr 53046 010 DST; Heidmahl, Mats, 3 cr 53047 010 DST; Heidmahl, Mats, 3 cr 53048 012 DST; Interrante, Victoria, 3 cr 53049 012 DST; Interrante, Victoria, 3 cr 53050 014 DST; Karpinski, George, 3 cr 53051 015 DST; Kim, Yongdae, 3 cr 53052 016 DST; Legrand, Andrew Joseph, 3 cr 53053 017 DST; Kumar, Vipin, 3 cr 53054 018 DST; Kuang, Rui, 3 cr 53055 019 DST; Boley, Daniel L, 3 cr 53056 020 DST; Nadathur, Gopalan, 3 cr 53057 021 DST; Mokbel, Mohamed F, 3 cr 53058 022 DST; Papapanagopulos, Nikolaos P, 3 cr

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Section</th>
<th>Instructor</th>
<th>Credits</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5708</td>
<td>Architecture and Implementation of Database Management Systems</td>
<td>[prereq 4707 or 4708]</td>
<td>4.5</td>
<td>TTh</td>
<td>11:15am-12:30pm</td>
<td>MechE 212</td>
<td>-</td>
</tr>
<tr>
<td>5801</td>
<td>Software Engineering I</td>
<td>(I6002, 2011) or instr consent</td>
<td>3</td>
<td>MW</td>
<td>02:30pm-03:45pm</td>
<td>MechE 311-11</td>
<td>-</td>
</tr>
<tr>
<td>5802</td>
<td>Software Engineering II</td>
<td>[prereq 4707 or 4708]</td>
<td>3</td>
<td>MW</td>
<td>02:30pm-03:45pm</td>
<td>MechE 311-11</td>
<td>-</td>
</tr>
<tr>
<td>5991</td>
<td>Independent Study</td>
<td>[max crs 3; 3 repeats allowed; prereq [CSci or CompE] major, instr consent]</td>
<td>1-3</td>
<td>T</td>
<td>By Arrangement</td>
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8115 Human-Computer Interaction and User Interface Technology (prereq 15115 or instr consent)

8314 Sparse Matrix Computations

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

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not yet completed 1st/2nd registrations; up to 12 combined cr; dept consent for 3rd/4th registrations; up to 24 combined cr; total不得超过9 all of the following summer 2007 may register up to four times, up to 60 combined cr) 49627 001 THE, 1-6 cr

8725 Databases for Bioinformatics (prereq 4707 or 5707 or instr consent)

8991 Independent Study (max crs 9; repeats allowed; prereq instr consent) 47271 001 DRS; Barry, Philip, 1-3 cr 53194 002 DRS; Bolotin, Daniel L, 1-3 cr 55156 003 DRS; Carls, John, 1-3 cr 53157 004 DRS; Myers, Chad Leighton, 1-3 cr 53158 005 DRS; Collins, John, 1-3 cr 53159 006 DRS; Dovolis, Charles, 1-3 cr 53160 007 DRS; Du, David Hung-Chang, 1-3 cr 53161 008 DRS; He, Tian, 1-3 cr 53162 009 DRS; Gini, Maria Luisa, 1-3 cr 53163 010 DRS; Heindahl, Melissa, 1-3 cr 53164 011 DRS; 53165 012 DRS; Interrante, Victoria, 1-3 cr 53166 013 DRS; Janadan, Ravi, 1-3 cr 53167 014 DRS; Karypis, George, 1-3 cr 53168 015 DRS; Kim, Yongdae, 1-3 cr 53169 016 DRS; Konstan, Joseph Andrew, 1-3 cr 53170 017 DRS; Kumar, Vin, 1-3 cr 53171 018 DRS; Kuang, Rui, 1-3 cr 53172 019 DRS; Mayer, Kellen, 1-3 cr 53173 020 DRS; Nadathur, Gopal, 1-3 cr 53174 021 DRS; Mokbel, Mohamed F, 1-3 cr 53175 022 DRS; Papanikolopoulos, Nikolaos P, 1-3 cr 53176 023 DRS; Banerjee, Arindam, 1-3 cr 53177 024 DRS; Riedl, John T, 1-3 cr 53178 025 DRS; Roumeliotis, Stergios, 1-3 cr 53179 026 DRS; Saad, Yusuf, 1-3 cr 53180 027 DRS; Schrater, Paul Robert, 1-3 cr 53181 028 DRS; Shekhar, Shashi, 1-3 cr 53182 029 DRS; Terveen, Loren Gilbert, 1-3 cr 53183 030 DRS; Carlis, John Vincent, 3 cr 53184 031 DRS; Srivastava, Jaideep, 1-3 cr 53185 032 DRS; Sturtivant, Carl, 1-3 cr 53186 033 DRS; Van Wyk, Eric, 1-3 cr 53187 034 DRS; Terveen, Loren Gilbert, 1-3 cr 53188 035 DRS; Tripathi, Anand R, 1-3 cr 53189 036 DRS; Van Wyk, Eric, 1-3 cr 53190 037 DRS; Isler, Ibrahim, 1-3 cr 53191 038 DRS; Wuytack, Peter, 1-3 cr 53192 039 DRS; Yew, Pen-Chung, 1-3 cr 53193 040 DRS; Zhang, Zh-Li, 1-3 cr 53194 041 DRS; Chandra, Abhishek, 1-3 cr 53195 042 DRS; Hopper, Nicholas J, 1-3 cr 53196 043 DRS; Zhai, Antonia Binghong, 1-3 cr 53197 044 DRS; Keefe, Dan F, 1-3 cr

8994 Directed Research in Computer Science (max crs 9; repeats allowed; prereq instr consent) 47271 001 DRS; Barry, Philip, 1-3 cr 53194 002 DRS; Bolotin, Daniel L, 1-3 cr 53195 003 DRS; Carls, John, 1-3 cr 53196 004 DRS; Myers, Chad Leighton, 1-3 cr 53197 005 DRS; Collins, John, 1-3 cr 53198 006 DRS; Dovolis, Charles, 1-3 cr 53199 007 DRS; Du, David Hung-Chang, 1-3 cr 53200 008 DRS; He, Tian, 1-3 cr 53201 009 DRS; Gini, Maria Luisa, 1-3 cr 53202 010 DRS; Heindahl, Melissa, 1-3 cr 53203 011 DRS; Carlis, John Vincent, 1-3 cr 53204 012 DRS; Interrante, Victoria, 1-3 cr 53205 013 DRS; Janadan, Ravi, 1-3 cr 53206 014 DRS; Karypis, George, 1-3 cr 53207 015 DRS; Kim, Yongdae, 1-3 cr 53208 016 DRS; Konstan, Joseph Andrew, 1-3 cr 53209 017 DRS; Kumar, Vin, 1-3 cr 53210 018 DRS; Kuang, Rui, 1-3 cr 53211 019 DRS; Mayer, Kellen, 1-3 cr 53212 020 DRS; Nadathur, Gopal, 1-3 cr 53213 021 DRS; Mokbel, Mohamed F, 1-3 cr 53214 022 DRS; Papanikolopoulos, Nikolaos P, 1-3 cr 53215 023 DRS; Banerjee, Arindam, 1-3 cr 53216 024 DRS; Riedl, John T, 1-3 cr 53217 025 DRS; Roumeliotis, Stergios, 1-3 cr 53218 026 DRS; Saad, Yusuf, 1-3 cr 53219 027 DRS; Schrater, Paul Robert, 1-3 cr 53220 028 DRS; Shekhar, Shashi, 1-3 cr 53221 029 DRS; Terveen, Loren Gilbert, 1-3 cr 53222 030 DRS; Carlis, John Vincent, 1-3 cr 53223 031 DRS; Srivastava, Jaideep, 1-3 cr 53224 032 DRS; Sturtivant, Carl, 1-3 cr 53225 033 DRS; Van Wyk, Eric, 1-3 cr 53226 034 DRS; Terveen, Loren Gilbert, 1-3 cr 53227 035 DRS; Tripathi, Anand R, 1-3 cr 53228 036 DRS; Van Wyk, Eric, 1-3 cr 53229 037 DRS; Isler, Ibrahim, 1-3 cr 53230 038 DRS; Wuytack, Peter, 1-3 cr 53231 039 DRS; Yew, Pen-Chung, 1-3 cr 53232 040 DRS; Zhang, Zh-Li, 1-3 cr 53233 041 DRS; Chandra, Abhishek, 1-3 cr 53234 042 DRS; Hopper, Nicholas J, 1-3 cr 53235 043 DRS; Zhai, Antonia Binghong, 1-3 cr 53236 044 DRS; Keefe, Dan F, 1-3 cr

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CONSTRUCTION MANAGEMENT (CMgt)
20 Ruttan Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 55108

2019 AutoCAD for Construction Managers
(prereq 30 sem cr)
58711 1002 LEC, 06:00pm-09:30pm T, MechE 221, 03/20/12-05/01/12; 7 meetings, second half. Students will need to bring a laptop to each class meeting for software installation/instruction. PC is strongly recommended. Students using a Mac may need to install additional software in order to use AutoCAD. WebVista enhanced; 2 seats reserved for non-PSEO, non-admitted student; Johnson, Amy M, 2 cr

3001 Introduction to Construction
49498 1001 LEC, 06:00pm-08:45pm M, MechE 151, 01/23/12-04/30/12; 14-module BLENDED FORMAT; some of the modules will be presented in a fully online format; WebVista enhanced; 2 seats reserved for non-PSEO, non-admitted student; Kuehni, Rose Marie, 2 cr

3011 Construction Plan Reading
51289 1001 LEC, 06:00pm-09:35pm T, RapsonH 31, 01/17/12-02/28/12; 7 meetings, first half. WebVista enhanced; 2 seats reserved for non-PSEO, non-admitted student; Kuehni, Rose Marie, 2 cr

4011 Construction Documents and Contracts
(prereq 3001, 45 sem cr)
48161 1001 LEC, 06:00pm-08:45pm M, FordH 110, 01/20/12-03/20/12, WebVista enhanced; 2 seats reserved for non-PSEO, non-admitted student; Kuehni, Rose Marie, 2 cr

4021 Construction Planning and Scheduling
(http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
4223 1001 LEC, 06:00pm-08:45pm Th, MechE 221; WebVista enhanced; Students will need to bring a laptop to each class meeting for software installation/instruction. PC is recommended. Students using a Mac may need to install additional software in order to use MS Project.; Styrlund, Kenneth Andre; Bonnevich, Karl J, 3 cr

4022 Construction Estimating
(prereq 3001, 4115 sem cr)
49411 1001 LEC, 06:00pm-08:45pm M, STSS 432A, 01/23/12-04/30/12; WebVista enhanced; 2 seats reserved for non-PSEO, non-admitted student; Adamson, Mark Richard, 3 cr

4031 Construction Safety and Loss Control
(prereq 3001, 45 sem cr)
52460 1001 LEC, 06:00pm-08:45pm W, FordH 151, 01/18/12-04/25/12; WebVista enhanced; 2 seats reserved for non-PSEO, non-admitted student; Carroll, Mil, 3 cr

4041 Specifications and Technical Writing for Construction Professionals
(prereq 4011 or Concurrent registration is required (or allowed) in enrollment; meets CLE req for Writing Intensive)
52501 1001 LEC, 06:00pm-08:45pm Th, RapsonH 31, 01/19/12-04/26/12; WebVista enhanced; 2 seats reserved for non-PSEO, non-admitted student; Hilger, Peter, 3 cr

4051 Construction Materials for Managers
(prereq 3001, [AEM 2011 or BP 3001 or BP 3101], 45 sem cr)
51605 1001 LEC, 06:00pm-08:45pm W, FordH 127, 01/18/12-04/25/12; WebVista enhanced; 2 seats reserved for non-PSEO, non-admitted student; Hale, Joe P, 3 cr

4196 Construction Management Internship
(max crs 12; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4ths registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49174 001 DST; The typical internship is 3 credits. You may register up to four times (max crs 18/12-04/26/12; WebVista enhanced; 2 seats reserved for non-PSEO, non-admitted student; Kuehni, Rose Marie, 2 cr

4471 Sustainability for Construction Managers
(A-F only)
68800 4011 Introduction to Cultural Studies: Practice
(http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
4121 1001 LEC, 06:00pm-08:45pm M, FordH 127; WebVista enhanced; 2 seats reserved for non-PSEO, non-admitted student; Johnson, Ann M, 2 cr

50751 001 CST; Jordan, Nicholas Royal, 1 cr

5833 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
49312 001 THE, 1 cr

8344 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
49424 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4ths registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49519 001 THE, 1 cr

7877 Thesis Credits: Masters
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
49640 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49789 001 THE, 1-24 cr

CONTROL SCIENCE AND DYNAMICAL SYSTEMS (CSDy)
107 Akerman Hall, 110 Union St SE, East Bank Campus, Minneapolis, MN, 55455
612/624-3364, http://www.aem.umn.edu

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
49434 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4ths registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49529 001 THE, 1-6 cr

8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49796 001 THE, 1-24 cr

8899 Seminar in Control Science and Dynamical Systems
(max crs 9; 9 repeats allowed; NGA; non-PSEO; no consent)
48078 001 SEM, 12:20pm-01:00pm F, Akerman 227; [UNITE]; Balas, Gary John, 1-3 cr

CULTURAL STUDIES AND COMPARATIVE LITERATURE (CSCL)
235 Nicholson Hall, 216 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/624-8099, http://cscl.umn.edu/

1001 Introduction to Cultural Studies: Rhetoric, Power, Desire
(meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice I)
46112 1001 LEC, 09:45am-11:00am TTh, Fraserh2 102; Sweet, S. Paige, 4 cr

1011 Literature
(meets CLE req of Literature)
47254 001 LEC, 11:15am-12:30pm TTh, AndH 310; Stout, Graeme Allen, 4 cr

1201 Introduction to Cinema and Media Culture
(Credit will not be granted if credit has been received for: SMoC 1201; meets CLE req of Arts/Humanities)
53868 001 LEC, 02:30pm-04:23pm MW, NIch 155; Meets with: 53868 SMoC 1201; Stout, Graeme Allen, 4 cr

1301W Reading Culture: Theory and Practice

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
## University of Minnesota - Class Schedule for Twin Cities Campus

### Spring 2012

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Meeting Time</th>
<th>Location</th>
<th>Instructor(s)</th>
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</thead>
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<tr>
<td>55691 1050 LE</td>
<td>10:00am-09:00pm</td>
<td>NichH 275; Adamson, Morgan Marie, 4 cr</td>
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<tr>
<td>3179 Reading Literary Movements</td>
<td>(meets CLE)</td>
<td>11:15am-12:30pm TTh</td>
<td>NichH 355; Tageldin, Shaden M, 3 cr</td>
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<tr>
<td>3321W Theories of Culture</td>
<td>(meets CLE)</td>
<td>09:45am-11:00am TTh</td>
<td>NichH 145; Ganguly, Keya, 3 cr</td>
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<tr>
<td>3331 Science and Culture</td>
<td>(meets CLE)</td>
<td>09:45am-11:00am TTh</td>
<td>NichH 125; Brown Jr, Robert L, 3 cr</td>
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<tr>
<td>3361 Visions of Nature: The Natural World and Political Thought</td>
<td>(Credit will not be granted if credit has been received for: EEB 3361; meets CLE req of Environment)</td>
<td>04:00pm-05:15pm TTh, NichH 35, 3 cr</td>
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<tr>
<td>3413W Psychoanalysis and Literature</td>
<td>Part I: Post Freudian Criticism</td>
<td>(meets CLE req of Writing Intensive)</td>
<td>68584 001 LEC, 04:00pm-05:15pm TTh, NichH 35, 3 cr</td>
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<tr>
<td>3435W Sexuality and Culture</td>
<td>(meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive)</td>
<td>11:00am-11:50am T</td>
<td>NichH 355; Pepper, Thomas Adam, 3 cr</td>
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<tr>
<td>3458W The Body and the Politics of Representation</td>
<td>(meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)</td>
<td>11:15am-12:00pm TTh, NichH 355; Nabi, Imad, 3 cr</td>
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<tr>
<td>3577W The Rhetoric of Everyday Life</td>
<td>(meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)</td>
<td>09:45am-11:00am T</td>
<td>NichH 35; Adamson, Morgan Marie, 4 cr</td>
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<tr>
<td>3597 Issues in Cultural Pluralism</td>
<td>(meets CLE req of Diversity and Soc Justice US)</td>
<td>10:10am-11:00am MWF, NichH 315; Fink, Ben, 3 cr</td>
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<tr>
<td>4993 Directed Study</td>
<td>(max crs 3; prereq instr consent, dept consent, college consent)</td>
<td>51961 001 DST, 1-3 cr</td>
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<tr>
<td>4944H Honors Thesis</td>
<td>(A-F; prereq Candidate for honors in CSCL, consent of CSCL honors adviser; meets HON req of Honors)</td>
<td>50804 001 THE, 3 cr</td>
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<td>4993 Directed Study</td>
<td>(max crs 6; prereq instr consent)</td>
<td>52400 001 001 DST, 1-3 cr</td>
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<tr>
<td>5154W Theoretical Constructions of Space</td>
<td>(meets CLE req of Writing Intensive)</td>
<td>55817 001, 12:45pm-02:00pm TTh, NichH 135; Archer, John, 3 cr</td>
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online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

59249 002 PRC, 08:00am-11:00am TTh, Room TBA, TCEASTBANK; Early Childhood Education Foundation and Elementary Education Foundations students only; concurrent registration with CI 5413-009 required. Portions of both class and practice session held off campus at local school sites. 

59248 001 PRC, 08:00am-11:00am MW, Room TBA, TCEASTBANK; Early Childhood Education Foundations and Elementary Education Foundations students only; concurrent registration with CI 5413-009 required. Portions of both class and practice session held off campus at local school sites.

5008 Theory and Practice of Teaching Art in Elementary Schools (max crs 3; A-F only) 60240 101 LEC, 08:00am-12:30pm MWF, Peikh 40, 01/02/2012; Art Ed majors; Peikhu, Judi, W 1-2 cr

5050 Issues in Art Education (max crs 12; 12 repeats allowed) 53355 001 LEC, 04:40pm-07:40pm Th, Peikh 40; Topic: Teaching and Learning in Museum Settings; Peikhu, Judi, W 1-4 cr

5097 Student Teaching in Art Education (S-N only; prereq Licensure student in art ed) 69598 101 IEX, 04:45pm-07:20pm M, Peikh 40; Johnson, Jeremy L, S-N only; 2 cr

5150 Curriculum Topics (max crs 12; 12 repeats allowed) 56853 001 LEC; Topic: Creative Writing and Education, 1-6 cr

5177 Practical Research (A-F only; prerequisite Grad student only) 46379 001 LEC, 04:00pm-07:00pm M, Peikh 335; Prereq: CI Med student or CI or EdPA Teaching Leadership Med student. 

5181 Clinical Experience in Elementary School Teaching (max crs 16; 3 repeats allowed; S-N only; prereq Foundations of education and elem ed initial licensure only) 46287 001 IEX, 12/16/11-01/27/12; Carlson, Ann Ruhl; Byrn, Katherine Margaret, 2-4 cr

5183 Applying Instructional Methods in the Elementary Classroom (max crs 8; 4 repeats allowed; S-N only; prereq Foundations of education in major or elem ed initial licensure only) 46565 001 PRC, 08:00am-12:00pm TTh, Room TBA, TCEASTBANK; Early Childhood Education Foundations students honors only; Meeting dates and times TBD by instructor and student; Cramer, Kathleen Ann, 1-2 cr

5186 School-Related Projects (max crs 4; A-F only; prereq MED student) 67590 001 DRS; S-L only; Meeting dates and times TBD by instructor and student; Bigelow, Martha; Walker, Constance L; Tedik Phd, Diane J; King Phd, Kendall Amy, 1-4 cr

5187 Practicum: Improvement of Teaching in Elementary or PreKindergarten Schools (max crs 3; S-N only; prereq Students in [early childhood educ M Ed or elem educ M Ed or teaching M Ed]) 46596 001 PRC; For elementary IEP students completing their M.Ed.; Hansen, Sarah Elizabeth, 2-3 cr

5190 Directed Individual Study in Curriculum and Instruction (max crs 12; 12 repeats allowed; prereq Grad student, instructor consent) 46183 001 DST; Meeting dates and time to be determined by the instructor and the student., 1-6 cr

5283 Practicum: Applying Instructional Methods in the Elementary Classroom (max crs 6; S-N; prereq M.Ed. elementary education initial licensure student, enrolled in elementary education methods course) 67592 001 LEC, 07:30am-04:00pm MTWThF; Room TBA, TCEASTBANK, 01/17/12-01/27/12, 07:30am-04:00pm MTWThF, Room TBA, TCEASTBANK, 02/13/12-02/24/12, 07:30am-04:00pm MTWThF, Room TBA, TCEASTBANK, 03/16/12-03/30/12, 07:30am-04:00pm MTWThF, Room TBA, TCEASTBANK, 04/16/12-05/12/12; Elementary ILP students only; Jacobson, Mary J, Benegas, Michelle Elizabeth; Wunsch, Hallie, B, 3 cr

5286 Student Teaching Seminar: Elementary Education (max crs 24; S-N; prereq M.Ed. Elementary education initial licensure student) 67593 001 IEX, 07:30am-04:00pm MTWThF., Room TBA; Elementary ILP students only; Byrn, Katherine Margaret, J, 5 cr

5300 Teaching Introductory Computer Concepts and Skills (max crs 3; A-F only; credit will not be granted if credit already received for: BIE 5463) 53950 001 LEC, instruction mode: formerly BIE 5463: Methods in Teaching Keyboarding and Word Processing; Cherry, Jennifer E, 1-3 cr

5303 Foundations of Computer Applications for Business and Education (credit will not be granted if credit already received for: BIE 5011) 53944 001 DIS, instruction mode: formerly BIE 5011: Introduction to Computer Applications; North, Sarah, 3 cr

5304 Data Analysis and Information Design for Business and Education (credit will not be granted if credit already received for: BIE 5013) 53947 001 DIS, instruction mode: formerly BIE 5013: Spreadsheet Analysis Using Computers.; , 3 cr

5306 Management for Online Integration (credit will not be granted if credit already received for: BIE 5014) 53948 001 LEC, 04:40pm-07:20pm W.., Room TBA, STPAUL; formerly BIE 5014: Database Computer Applications, ; 3 cr

5305 Integrated Computer Applications in Business and Marketing Education (credit will not be granted if credit already received for: BIE 5015) 53949 001 LEC, 04:40pm-07:20pm W, Room TBA, STPAUL; formerly BIE 5015: Integrated Computer Applications in Business and Marketing Education; , 3 cr

5323 Online Learning Communities (A-F only) 59150 001 LEC, instruction mode: ; Pazurek, Angela, 3 cr

5327 Designing Online Adventure Learning (A-F only) 56485 001 LEC, instruction mode: ; Henrickson, Jeni
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<tr>
<td>5426</td>
<td>Language Arts Instruction in the Elementary Grades</td>
<td>3</td>
<td>Jacobson, Mary J.</td>
<td>T-Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<tr>
<td>58930</td>
<td>Directed Experiences in Teaching English</td>
<td>3</td>
<td>Pyscher, Tracey Michele</td>
<td>W</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<tr>
<td>5451</td>
<td>Introduction to Instructional Leadership in K-12 Reading</td>
<td>3</td>
<td>Jacobson, Mary J.</td>
<td>Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<tr>
<td>5452</td>
<td>Reading in the Content Areas for Initial Licensure Candidates</td>
<td>3</td>
<td>O'Brien, David</td>
<td>M-Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<tr>
<td>5453</td>
<td>Professional Development and Evolving Practice in K-12 Reading</td>
<td>3</td>
<td>O'Brien, David</td>
<td>Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<tr>
<td>5454</td>
<td>Foundations of Teaching</td>
<td>3</td>
<td>O'Brien, David</td>
<td>T-Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<tr>
<td>5455</td>
<td>Reading in the Content Areas</td>
<td>3</td>
<td>O'Brien, David, Kolb, Christopher L</td>
<td>M-Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<td>5456</td>
<td>Writing in the Content Areas</td>
<td>3</td>
<td>O'Brien, David, Kolb, Christopher L</td>
<td>Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<td>5457</td>
<td>Reading in the Content Areas</td>
<td>3</td>
<td>O'Brien, David, Kolb, Christopher L</td>
<td>T-Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<td>5458</td>
<td>Writing in the Content Areas</td>
<td>3</td>
<td>O'Brien, David, Kolb, Christopher L</td>
<td>Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<td>5459</td>
<td>Reading in the Content Areas</td>
<td>3</td>
<td>O'Brien, David, Kolb, Christopher L</td>
<td>T-Th</td>
<td>12:00-12:50</td>
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<td>5460</td>
<td>Writing in the Content Areas</td>
<td>3</td>
<td>O'Brien, David, Kolb, Christopher L</td>
<td>Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<td>5461</td>
<td>Reading in the Content Areas</td>
<td>3</td>
<td>O'Brien, David, Kolb, Christopher L</td>
<td>T-Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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<td>5462</td>
<td>Writing in the Content Areas</td>
<td>3</td>
<td>O'Brien, David, Kolb, Christopher L</td>
<td>Th</td>
<td>12:00-12:50</td>
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<td>5463</td>
<td>Reading in the Content Areas</td>
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<td>T-Th</td>
<td>12:00-12:50</td>
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<td>5464</td>
<td>Writing in the Content Areas</td>
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<td>O'Brien, David, Kolb, Christopher L</td>
<td>Th</td>
<td>12:00-12:50</td>
<td>Room TBA</td>
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5645 Teaching English Learners in the Elementary Classroom
(A-F; prereq Elementary educ licensure students only)
68670 001 LEC, 04:40pm-07:20pm W, Peikh 215; For Elem. Ed. Initial Licensure Students; Mitchell, Katheen, 3 cr
68670 002 LEC, 04:40pm-07:20pm W, Peikh 155; For Elem. Ed. Initial Licensure Students; Benegas, Michelle Elizabeth, 3 cr
68671 003 LEC, 04:40pm-07:20pm W, Peikh 225; For Elem. Ed. Initial Licensure Students; Young, Amy I, 3 cr

5657 Teaching Speaking and Listening in Second Language Classrooms (A-F; previous experience recommended)
55566 1001 LEC, 04-07pm-07:20pm W, Peikh 46; Martel, Jason Peter, 3 cr

5660 Special Topics in the Teaching of Second Languages and Cultures (max crs 12; 10 repeats allowed)
58811 001 LEC, 04-07pm-07:20pm W, Peikh 42; Topic: Teaching Academic English to ESL Students; Meeting dates and times TBD by instructor and student.; Rennay, Susan Elizabeth, 3 cr
5662 Second Language Curriculum Design (A-F only)
56398 1001 LEC, 04-07pm-07:20pm M, Peikh 28; Martel, Jason Peter, 3 cr

5700 Foundations of Dual Language and Immersion Education (prereq Enrollment in certificate program in dual language/immersion educ or instr consent)
68826 001 LEC, instruction mode: ; Tiedick PhD, Diane J, 3 cr
69239 002 LEC, instruction mode: ; Tiedick PhD, Diane J, 3 cr

5919 Directed Study in Second Languages and Cultures (max crs 6; 5 repeats allowed; credit cannot be earned on a graduate degree program for endorsement candidates)
46217 001 LEC, Credits cannot be counted on a graduate degree program. Meeting dates and times TBD by instructor and student.; Horii, Sachiko Yoko, 2-6 cr

5920 Practicum: Teaching World Languages and Cultures in Elementary Schools (max crs 6; prereq 5619, adviser approval; credits cannot be counted on a graduate degree program for endorsement candidates)
46217 001 LEC, Credits cannot be counted on a graduate degree program. Meeting dates and times TBD by instructor and student.; Horii, Sachiko Yoko, 2-6 cr

5921 Practicum: ESL in the Elementary School (max crs 6; prereq Adviser approval)
53527 001 LEC, Meeting dates and times TBD by instructor and student.; 1-4 cr

5956 Practicum: Teaching World Languages and Cultures in Elementary Schools (max crs 6; prereq 5619, adviser approval; credits cannot be counted on a graduate degree program for endorsement candidates)
46217 001 LEC, Credits cannot be counted on a graduate degree program. Meeting dates and times TBD by instructor and student.; Horii, Sachiko Yoko, 2-6 cr

5978 Clinical Experiences in Teaching Second Languages (max crs 14; 5 repeats allowed; prereq Adviser approval; credit cannot be counted on a graduate degree program)
46591 001 LEC, Credits cannot be counted on a graduate degree program. Meeting dates and times TBD by instructor and student. UMN Crookston; Horii, Sachiko Yoko, 2-6 cr

5999 Special Topics in Family, Youth, and Community

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6850 Seminar: Special Topics in Second Languages and Cultures Research (max crs 6; 6 repeats allowed; prereq CI grad student or instr consent) 58865 001 SEM, 01:25pm-04:05pm T, Room TBA, T; GEASTBANK; Topic: Research Foundations of Bilingual and Immersion Education; Tedick PhD, Diane J, 5 cr 67640 002 SEM, 12:15pm-02:25pm W, PeikH 25; Topic: Diverse Perspectives on Second Language Acquisition; Bigelow, Martha, 3 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student has not passed preliminary exam; on required consent for 1st/2nd registrations, up to 12 combined cr: dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr) 51577 001 THE, 1-6 cr

8691 Readings in Second Languages and Cultures Education (max crs 3; prereq instr consent) 46221 001 DRD; Meeting dates and times TBD by instructor and student, Bigelow, Marsha; King PhD, Kendall Amy, Ramney, Susan Elaine; Tedick PhD, Diane J; Walker, Constance L, 1-3 cr

8695 Problems: Second Languages and Cultures Education (max crs 12; 12 repeats allowed; prereq instr consent) 46220 001 DRS; Meeting dates and times TBD by instructor and student, 1-6 cr

8777 Thesis Credits: Master’s (max crs 50; 10 repeats allowed; NGA) 54234 001 THE, 1-18 cr

8795 Problems: Social Studies Education (max crs 12; 12 repeats allowed; prereq CI grad student or instr consent) 50734 001 DRS; Prereq CI grad student or instructor consent; Mayo Jr, J.B.; Avery, Patricia Grant, 1-6 cr

8796 Research Internship in Social Studies Education (max crs 6; 6 repeats allowed; prereq CI grad student) 53725 001 IEX; Prereq CI grad student; Mayo Jr., J.B.; Avery, Patricia Grant, 1-6 cr

8888 Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required) 51578 001 THE, 1-24 cr

8900 Family, Youth, and Community Colloquium (max crs 4; 4 repeats allowed; N-S; prereq [MA or Ph.D] student: credit will not be granted if credit received for: FE 3900) 61127 001 COL, 04:40pm-07:20pm W, PeikH 31; Innovations in Education; Gentzler, Yvonne S, 1-4 cr

8994 Directed Research in Family, Youth, and Community (max crs 6; 6 repeats allowed; A-F; prereq Family, Youth and Community student doing Plan B research; credit will not be granted if credit received for: FE 8994) 48757 001 DRS; Prereq Family, Youth and Community student doing Plan B research; credit will not be granted if credit received for FE 8994; 612/624-1338, http://amin.umn.edu/DAKOTA (Dakota)

1122 Beginning Dakota II (Credit will not be granted if credit has been received for: DAKO 4122; prereq 1121) 58623 001 IEX, 11:15am-12:00pm MT WTHF, Apich 103; Meets with: 58614 DAKO 4122; Bendickson, Wayne Joseph, 5 cr 68709 003 IEX, 10:10am-11:00am MT WTHF, Scott 2; Email Miguel Vargas varg0043@umn.edu for permission numbers; Meets with: 68910 DAKO 4122; Bendickson, Wayne Joseph, 5 cr
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<th>Location</th>
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<tr>
<td>1101</td>
<td>Intermediate Dakota II</td>
<td>3</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>1102</td>
<td>Advanced Dakota Language II</td>
<td>3</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>1301</td>
<td>African Diasporic Movement</td>
<td>4</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>1315</td>
<td>Flamenco</td>
<td>1</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>1352</td>
<td>African Diasporic Movement</td>
<td>4</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>1354</td>
<td>African Diasporic Movement</td>
<td>4</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>1401</td>
<td>Introduction to Dance</td>
<td>1</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>2002</td>
<td>Modern Dance Technique</td>
<td>3</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>3210</td>
<td>Ballet Technique</td>
<td>3</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>3220</td>
<td>Jazz Technique</td>
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<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>3302</td>
<td>Tap Technique</td>
<td>3</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
</tr>
<tr>
<td>3312</td>
<td>Contemporary Indian Dance</td>
<td>3</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
</tr>
<tr>
<td>3352</td>
<td>African Diasporic Movement</td>
<td>3</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>3402W</td>
<td>Dance History</td>
<td>3</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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<tr>
<td>3433</td>
<td>Articulate Body</td>
<td>3</td>
<td>9:00am-10:15am T</td>
<td>People Ctr GYM</td>
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</table>

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Online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

### 2215 Oral Histology and Embryology
- **Code:** 57019 001 LEC
- **Time:** 11:15am-12:05pm TTh, MoosT 2-620, 01/10-12/03/12
- **Location:** 11:15am-12:05pm TTh, MoosT 2-620, 01/10-12/03/12
- **Dates:** 10/12-03/26/12
- **Prerequisite:** 11:15am-12:05pm TTh, MoosT 2-620, 01/10-12/03/12

### 2221 Periodontology
- **Code:** 54198 025 LAB
- **Time:** 02:45pm-05:15pm Th, ROOM TBA, 12/16-11/08/12
- **Location:** Osborn, Joy B, Blue, Christine M, 3 cr

### 2222 Dental Hygiene Care Process

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Time/Location</th>
</tr>
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<tbody>
<tr>
<td>57034 001 LEC</td>
<td>07:45am-08:30am W, MoosT 2-620, 01/09-12/03/12</td>
<td>07:45am-08:30am F, MoosT 2-620, 01/09-12/03/12</td>
</tr>
<tr>
<td>57035 001 IND</td>
<td>07:45am-08:30am W, MoosT 2-620, 01/09-12/03/12</td>
<td>07:45am-08:30am F, MoosT 2-620, 01/09-12/03/12</td>
</tr>
</tbody>
</table>

### 2223 Cariology and Applied Nutrition in Dental Hygiene Care
- **Code:** 57018 001 LEC
- **Time:** 01:00pm-02:45pm Th, Room TBA, TCEASTBANK, 12/16/11-08/31/12

### 3151 Oral and Maxillofacial Radiology
- **Code:** 59485 001 LEC
- **Time:** 02:30pm-03:20pm F, MoosT 2-620, 01/06-12/03/12

### 4139 Dental Public Health and Academic Service Learning II
- **Code:** 57017 001 LEC
- **Time:** 09:40am-12:05pm Th, MoosT 8-348, 12/16/11-08/31/12

### 4191 Independent Study
- **Code:** 55035 001 IND

### 4211 Principles of Restorative Techniques II
- **Code:** 55206 001 LEC

### 4226 Dental Hygiene Care Process Clinical Application VI
- **Code:** 59499 001 LEC

### 4323 Legislative, Social, Economic, and Practice Factors in Oral Health
- **Code:** 48000 001 LEC

### 4390 Elective Academic Service Learning Experiences and Internships
- **Code:** 59851 001 IEX

### 5032 Capstone Project
- **Code:** 56067 001 LEC

### 5043 Information Literacy
- **Code:** 57022 001 LEC

### 5201 Management Internship
- **Code:** 59674 001 ECR

### 5311 Oral and Maxillofacial Radiology
- **Code:** 59485 001 LEC

### 5320 Oral and Maxillofacial Radiology
- **Code:** 57019 001 LEC

### 5361 Dental Hygiene Supervised Clinic Student Teaching
- **Code:** 58024 001 PRG

### 5415 Dental Hygiene Supervised Didactic Course Student Teaching
- **Code:** 58245 001 INI

### 5420 Master of Dental Hygiene Independent Study
- **Code:** 58068 001 IND

### 5777 Thesis
- **Code:** 57673 001 DRS

### DENTAL THERAPY (DT)

### 3130 Preclinical Pediatric Dentistry
- **Code:** 69531 001 LEC

### 3212 Local Anesthesia and Pain Management
- **Code:** 58950 001 LEC

### 3230 Oral and Maxillofacial Radiology
- **Code:** 59471 001 LEC

### 3250 Oral History and Embryology
- **Code:** 59356 001 LEC

### 3331 Provider Patient Relationships
- **Code:** 59501 001 LEC

### 5130 Preclinical Pediatric Dentistry
- **Code:** 69532 001 LEC

### 5212 Local Anesthesia and Pain Management
- **Code:** 59501 001 LEC

### 5230 Oral and Maxillofacial Radiology
- **Code:** 59472 001 LEC

### DENTISTRY (Dent)

### 5351 Introduction to Dental Biomaterials
- **Code:** 55129 001 LEC

### 5402 Prevention and Oral Health Promotion
- **Code:** 49664 001 LEC

### 5412 Professional Problem Solving
- **Code:** 47991 001 SEM

### 6133 Oral Medicine/Diagnosis Clinic III
- **Code:** 57644 001 CLN

### 6414 Professional Problem Solving
### Online Class Schedule

Online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>6714 Endodontic Topics for the General Dentist</td>
<td>(S-N; prerequisite completion of 3rd year of dental school)</td>
<td>Webber, Holly</td>
<td>3 cr</td>
<td>MWF</td>
<td>Rasmussen Hall 150</td>
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<tr>
<td>6840 Introduction to CAD/CAM CEREC Restorations</td>
<td>(S-N only)</td>
<td>Sorensen, John</td>
<td>2 cr</td>
<td>T</td>
<td>Rapson Hall 100</td>
</tr>
<tr>
<td>7081 Basic Concepts in Skeletal and Craniofacial Development</td>
<td>(A-F only; prerequisite Master's degree in biological sciences)</td>
<td>Nair, Subhash</td>
<td>2 cr</td>
<td>T</td>
<td>Rapson Hall 100</td>
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<tr>
<td>6451 Dental Auxiliary Utilization (DAU) Clinic</td>
<td>(S-N)</td>
<td>Klein, David</td>
<td>2 cr</td>
<td>T</td>
<td>Rapson Hall 100</td>
</tr>
<tr>
<td>6465 Emergency Clinic</td>
<td>(S-N only)</td>
<td>Martin, Matthew</td>
<td>2 cr</td>
<td>T</td>
<td>Rapson Hall 100</td>
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<tr>
<td>6470 Health Ecology Elective</td>
<td>(max crs 10)</td>
<td>Sorensen, John</td>
<td>1 cr</td>
<td>T</td>
<td>Rapson Hall 100</td>
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<tr>
<td>6480 Advanced General Dentistry Elective</td>
<td>(max crs 10)</td>
<td>Sorensen, John</td>
<td>1 cr</td>
<td>T</td>
<td>Rapson Hall 100</td>
</tr>
<tr>
<td>6615 Pediatric Dentistry Clinic</td>
<td>(A-F only; prerequisite completion of 2nd year of dental school)</td>
<td>Nair, Subhash</td>
<td>2 cr</td>
<td>T</td>
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<tr>
<td>6609 Advanced General Dentistry</td>
<td>(max crs 10)</td>
<td>Sorensen, John</td>
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<tr>
<td>6622 Periodontology Clinic</td>
<td>(A-F only)</td>
<td>Sorensen, John</td>
<td>2 cr</td>
<td>T</td>
<td>Rapson Hall 100</td>
</tr>
<tr>
<td>7011 Management Philosophy for Dental Practices</td>
<td>(S-N only; prerequisite completion of 2nd year of dental school)</td>
<td>Nair, Subhash</td>
<td>1 cr</td>
<td>T</td>
<td>Rapson Hall 100</td>
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### DESIGN (Des)

1101W Introduction to Design Thinking (A-F only; prerequisite completion of 1st year of design studio) | MacEachern, Andrew | 2 cr | T | Rapson Hall 100 |
| 50407 001 THE, 04:00pm-06:00pm M, Room TBA | | | | |
| 7111 Research in Dental Education | (max crs 15; HNV) | Sorensen, John | 1 cr | T | Rapson Hall 100 |
| 50830 001 SRS, Robert Nelson, M.D. | | | | |

### DERMATOLOGY (Derm)

1111H Honors: Creative Problem Solving (A-F; prerequisite completion of 2nd year of medical school) | Prather, Josephine | 3 cr | T | Rapson Hall 100 |
| 60347 001 DIS, 02:30pm-03:25pm T, Rapson Hall 100 | | | | |

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<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>6479</td>
<td>Clinical Occlusion</td>
<td>Smiley, Gary</td>
<td>3.00</td>
<td>Spring 2012, 6:00pm-7:00pm MW, MoosT 2-690, 04/12/04-05/29/12; Schulte, John K, 3.00 cr</td>
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<tr>
<td>6481</td>
<td>Fixed Prosthodontics Clinic II</td>
<td>(A-F only; prereq 6481)</td>
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<tr>
<td>6482</td>
<td>Removable Prosthodontics Clinic II</td>
<td>(A-F only; prereq 4962)</td>
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<tr>
<td>6483</td>
<td>Fixed Prosthodontics Clinic IV</td>
<td>(A-F; prereq 4815)</td>
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<tr>
<td>6484</td>
<td>Removable Prosthodontics Clinic IV</td>
<td>(A-F; prereq 4962, 4963, 4965)</td>
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<tr>
<td>6493</td>
<td>Prosthodontics I</td>
<td>(max crs 2.20; A-F: prereq Fundamentals of prosthodontics shape/color, aesthetics of anterior prosthodontics)</td>
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<tr>
<td>6494</td>
<td>Prosthodontics II</td>
<td>(max crs 2; S-N only)</td>
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<tr>
<td>6511</td>
<td>Foundations of Interprofessionalism, Communication, and Collaboration</td>
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<td>6438</td>
<td>Operative Dentistry III</td>
<td>(A-F; prereq Operative Dentistry I, II, Operative Dentistry I, II Lab)</td>
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<tr>
<td>6441</td>
<td>Operative Dentistry I</td>
<td>(A-F; prereq Operative Dentistry I, II, III, Operative Dentistry I, II Lab)</td>
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<td>6442</td>
<td>Operative Dentistry II</td>
<td>(A-F; prereq Operative Dentistry I, II, III, Operative Dentistry I and II Lab)</td>
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<td>6461</td>
<td>Endodontic Clinic D3</td>
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<td>6616</td>
<td>Advanced Simulation Clinic Elective I</td>
<td>(S-N; prereq DDS program)</td>
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<td>6617</td>
<td>Advanced Simulation Clinic Elective II</td>
<td>(S-N; prereq DDS program)</td>
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<td>6621</td>
<td>Introduction to CAD/CAM Restorations</td>
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<td>6671</td>
<td>Preclinical Prosthetics Lecture III</td>
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<td>6672</td>
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<tr>
<td>6690</td>
<td>Dental Clinic</td>
<td>(max crs 15; S-N only)</td>
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<tr>
<td>7001</td>
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<tr>
<td>8100</td>
<td>Workshop in Early Modern Studies</td>
<td>(max crs 3; 3 repeats allowed; S-N; prereq instr consent)</td>
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<tr>
<td>8500</td>
<td>Topics in Early Modern Studies</td>
<td>(max crs 6; prereq Grad student)</td>
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<td>9999</td>
<td>Directed Studies</td>
<td>(max crs 12; 2 repeats allowed; prereq instr consent, dept consent, college consent)</td>
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<tr>
<td>3510</td>
<td>Topics in Dutch Culture</td>
<td>(max crs 9; 3 repeats allowed; prereq No knowledge of Dutch required)</td>
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<tr>
<td>3993</td>
<td>Directed Studies</td>
<td>(max crs 12; 2 repeats allowed; prereq instr consent, dept consent, college consent)</td>
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<tr>
<td>4002</td>
<td>Beginning Dutch</td>
<td>(Credit will not be granted if credit has been received for: DTCN 1001; prereq 1004 in another language or passing score on LPE or grad student)</td>
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<tr>
<td>4004</td>
<td>Intermediate Dutch</td>
<td>(Credit will not be granted if credit has been received for: DTCN 1001; prereq 1004 in another language or passing score on LPE or grad student)</td>
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<td>5993</td>
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<td>(max crs 12; 2 repeats allowed; prereq instr consent, dept consent, college consent)</td>
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</table>

**University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012**

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</table>
| 2202 Earth Surface Dynamics (A-F only) | 2202 Earth Surface Dynamics (A-F only)  
| 001 LEC, 11:15am-12:00pm TTh, PillsH 105 | 001 LEC, 11:15am-12:00pm TTh, PillsH 105; Fox, David L  
| 060716 102 LAB, 02:30pm-04:15pm TTh, PillsH 105 | 060716 102 LAB, 02:30pm-04:15pm TTh, PillsH 105 |
| 2302 Petrology (prereq 2301 or instr consent) | 2302 Petrology (prereq 2301 or instr consent)  
| 46200 001 LEC, 08:00am-12:05pm MW, PillsH 110, 3 cr | 46200 001 LEC, 08:00am-12:05pm MW, PillsH 110, 3 cr  
| 101 LAB, 11:00am-12:00pm F, PillsH 125 | 101 LAB, 11:00am-12:00pm F, PillsH 125 |
| 3001 Earth Materials | 3001 Earth Materials  
| 001 LEC, 02:30pm-03:20pm MW, PillsH 121; Stout, James J | 02:30pm-03:20pm MW, PillsH 121; Stout, James J  
| 68452 101 LAB, 11:15am-12:05pm F, PillsH 125, 3 cr | 101 LAB, 11:15am-12:05pm F, PillsH 125, 3 cr |
| 3039 Problems in Earth Sciences: Junior (max crs 6; 6 repeats allowed; prereq instr consent) | 3039 Problems in Earth Sciences: Junior (max crs 6; 6 repeats allowed; prereq instr consent)  
| 46713 001 DST, 1-4 cr | 46713 001 DST, 1-4 cr |
| 3890 Field Workshop | 3890 Field Workshop  
| (max crs 2; prereq Geo or Eisci or GeoEn major or instr consent) | (max crs 2; prereq Geo or Eisci or GeoEn major or instr consent)  
| 68015 001 WKS, 1 cr | 68015 001 WKS, 1 cr |
| 3891 Field Methods (A-F) | 3891 Field Methods (A-F)  
| 58340 001 LEC, 02:30pm-03:20pm W, PillsH 125; Feinberg, Joshua M., 1 cr | 02:30pm-03:20pm W, PillsH 125; Feinberg, Joshua M., 1 cr |
| 4010 Undergraduate Seminar: Current Topics in Earth Sciences (max crs 12; 12 repeats allowed; prereq instr consent) | 4010 Undergraduate Seminar: Current Topics in Earth Sciences (max crs 12; 12 repeats allowed; prereq instr consent)  
| 49967 001 SEM, 1-4 cr | 49967 001 SEM, 1-4 cr |
| 4039 Problems in Earth Sciences: Senior (max crs 6; 6 repeats allowed; prereq instr consent) | 4039 Problems in Earth Sciences: Senior (max crs 6; 6 repeats allowed; prereq instr consent)  
| 46714 001 DST, 1-4 cr | 46714 001 DST, 1-4 cr |
| 4094 Senior Thesis (max crs 4; prereq Sr or Geo or Eisci major, instr consent) | 4094 Senior Thesis (max crs 4; prereq Sr or Geo or Eisci major, instr consent)  
| 46715 001 DRS, 2 cr | 46715 001 DRS, 2 cr |
| 4502 Tectonic Styles (prereq 4501 or instr consent) | 4502 Tectonic Styles (prereq 4501 or instr consent)  
| 69812 001 LEC, 01:25pm-02:15pm TTh, PillsH 125; Hudsonston, Peter John, 3 cr | 01:25pm-02:15pm TTh, PillsH 125; Hudsonston, Peter John, 3 cr |
| 4602 Sedimentology and Stratigraphy (prereq [2603, 2601] or instr consent) | 4602 Sedimentology and Stratigraphy (prereq [2603, 2601] or instr consent)  
| 46204 001 LEC, 02:30pm-03:20pm TTh, PillsH 110; Kleinspehn, Karen L, 3 cr | 02:30pm-03:20pm TTh, PillsH 110; Kleinspehn, Karen L, 3 cr  
| 57508 100 LAB, 03:30pm-04:30pm Th, PillsH 125 | 03:30pm-04:30pm Th, PillsH 125 |
| 4801 Geomicrobiology (prereq One semester college level biology) | 4801 Geomicrobiology (prereq One semester college level biology)  
| 68455 001 LEC, 02:30pm-03:45pm MW, PillsH 209; Bailey, Jade, 4 cr | 02:30pm-03:45pm MW, PillsH 209; Bailey, Jade, 4 cr |
| 5203 Mineral and Rock Physics | 5203 Mineral and Rock Physics  
| (prereq 2201, Phys 1302) | (prereq 2201, Phys 1302)  
| 68456 001 LEC, 08:00am-12:05pm MW, PillsH 121; Zimmermann, Mark, 3 cr | 08:00am-12:05pm MW, PillsH 121; Zimmermann, Mark, 3 cr  
| 68456 101 LAB, 11:15am-12:30pm TTh, PillsH 209 | 11:15am-12:30pm TTh, PillsH 209 |

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**3001 Ecology and Society**
(Credit will not be granted if credit has been received for: BIOL 3407, BIOL 3407, BIOL 3407, BIOL 3407; A-F only; preq [jr or sr] recommended; biological sciences students may not apply or toward major; meets CLE req of Environment)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Description</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>50966</td>
<td>001 LET, 12:45pm-02:00pm Th, STSS 412, 3 cr</td>
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**3002 Sex, Evolution, and Behavior:**
Examining Human Evolutionary Biology
(Credit will not be granted if credit has been received for: ANTH 3002; A-F only)

<table>
<thead>
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<th>Title</th>
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<th>Location</th>
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</thead>
<tbody>
<tr>
<td>5011E</td>
<td>08:15am-09:30am Th, Bleth 130; Meets with: 60384 ANTH 3002; Wilson, Michael Lawrence</td>
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</tbody>
</table>

**2012 Online Class Schedule at http://onestop.umn.edu.**
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This page contains a table listing various courses and their details, such as CRN, title, days, time, and location. The table is structured in a way that makes it easy to read and understand the course information. The page also includes information about the online class schedule and instructions to verify the room location before attending the first class. The document provides a resource for students to access the most current course information.
enrollment in 4831 or concurrent enrollment in 4830; this consent; meets CLE req of Writing Intensive). 50425 001 SEM, 02:30pm-03:30pm M, BlegH 245, 1 cr.

4113 Introduction to Mathematical Economics (prereq 3101 or 3102 or Math 1271-1272-2243 or equivalents). 48672 001 LEC, 4 cr.

4163 Microeconomic Analysis (prereq 4162, instr consent). 001 LEC, 11:15am-12:30pm TTh, BlegH 255, 03/19-05/12; Meets with: 48948 ECON 8004, 2 cr.

4164 Microeconomic Analysis (prereq 4162, instr consent). 001 LEC, 11:15am-12:30pm TTh, BlegH 255, 03/19-05/12; Meets with: 48949 ECON 8004, 2 cr.

4167 Macroeconomic Theory (prereq 4166, instr consent). 001 LEC, 02:30pm-04:35pm TTh, Carlb1B16 127-127, 01/17-03/12; Meets with: 50431 ECON 8107 001 LEC, 004:00pm-05:15pm Th, BlegH 245, 03/19- 12/05/04; Meets with: 48949 ECON 8004, 2 cr.

4186 Macroeconomic Theory (prereq 4166, instr consent). 001 LEC, 12:45pm-02:00pm TTh, BlegH 245; 40 seats reserved for Economics majors; jr or sr, 3 cr.

4261 Introduction to Econometrics (A-F only; prereq 3101 or equiv). 49560 001 LEC, 09:45am-11:00am TTh, Room TBA, TOWESTBANK; 40 seats reserved for Economics majors; jr or sr, 3 cr.

4301 Economic Development (Credit will not be granted if credit has been received for: ECON 4331W; prereq [[1101, 1102] or equiv], non-econ major). 49559 1001 LEC, 05:00pm-08:00pm Th, BlegH 150; meets CLE req of Writing Intensive; Meets with: 48674 ECON 3311W, 3 cr.

4307 Comparative Economic Systems (Credit will not be granted if credit has been received for: ECON 4337; prereq 1101, 1102 or equiv; non-econ major). 51102 001 LEC, 11:15am-12:30pm MW, BlegH 125; 40 seats reserved for Economics majors; jr or sr, 3 cr.

4315 The Japanese Economy (prereq [[1101, 1102] or equiv]). 48673 1001 LEC, 05:00pm-07:30pm M, BlegH 110; 50 seats reserved for Economics majors; jr or sr, 3 cr.

4331W Economic Development (Credit will not be granted if credit has been received for: ECON 4301; prereq 3101, 3102 or equiv; meets CLE req of Writing Intensive). 48674 1001 LEC, 05:00pm-08:00pm Th, BlegH 150; 50 seats reserved for Economics majors; jr or sr; meets: 49559 ECON 4301, 3 cr.

4401 International Economics (prereq [[1101, 1102] or equiv], not open to econ majors; meets CLE req of Global Perspectives). 46842 001 LEC, 04:00pm-05:15pm M, BlegH 125; 25 seats reserved for Economics majors; jr or sr, 3 cr.

4431V Honors Course: International Trade (prereq [[3101, 3102] or equiv], Math 1271; meets CLE req of Writing Intensive; meets HON req of Honors). 51601 001 LEC, 04:00pm-05:15pm M, BlegH 220; 40 seats reserved for Economics majors; jr or sr, 3 cr.

4431W International Trade (prereq 3101, 3102 or equiv; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive). 49590 001 LEC, 11:15am-12:30pm TTh, HMH 1-105; 40 seats reserved for Economics majors; jr or sr, Sahi, Simran, 3 cr.

4432W International Finance (prereq 3101, 3102 or equiv; 4431 or 4439 or equiv recommended; meets CLE req of Writing Intensive). 46876 001 LEC, 09:45am-11:00am TTh, BlegH 220; 40 seats reserved for Economics majors; jr or sr, 3 cr.

4531 Labor Economics (Credit will not be granted if credit has been received for: ECON 3501; prereq 3101, 3102 or equiv). 61962 001 LEC, 04:00pm-05:15pm TTh, BlegH 250, 70 seats reserved for Economics majors; jr or sr, 3 cr.

4621H Honors Course: Urban Economics (prereq 3101 or equiv; meets HON req of Honors). 52550 001 LEC, 4 cr.

4631 Industrial Organization and Antitrust Policy (Credit will not be granted if credit has been received for: ECON 4631H, ECON 3601; prereq 3101 or equiv). 54625 001 LEC, 11:15am-12:30pm MWF, Anarch 230, 70 seats reserved for Economics majors; jr or sr, 3 cr.

4721 Money and Banking (Credit will not be granted if credit has been received for: ECON 3701, ECON 4721H; prereq 3101, 3102 or equiv). 46878 001 LEC, 08:15am-09:30am TTh, BlegH 150; 70 seats reserved for Economics majors; jr or sr, 3 cr.

4731H Honors Course: Macroeconomic Policy (prereq [[3101, 3102] or equiv], Math 1271, honors; meets HON req of Honors). 51131 001 LEC, 12:45pm-02:00pm TTh, BlegH 245; 40 seats reserved for Economics majors; jr or sr, 4 cr.

4741H Honors: Quantitative Analysis of the Macroeconomy (prereq [[3101, 3102] or equiv], [Stat 3011 or equiv]; meets HON req of Honors). 53880 001 LEC, 11:15am-12:30pm TTh, BlegH 125; 40 seats reserved for Economics majors; jr or sr, 4 cr.

4751 Financial Economics (Credit will not be granted if credit has been received for: ECON 4751H; prereq 3101 or equiv, Math 1271 or equiv, 1 sem statistics) 49507 001 LEC, 12:00pm-01:15pm MWF, BlegH 135; 40 seats reserved for Economics majors; jr or sr, 3 cr.

4831 Cost-Benefit Analysis (Credit will not be granted if credit has been received for: ECON 4811H; prereq 3101, 3102 or equiv). 51715 001 LEC, 02:30pm-03:45pm TTh, BlegH 57; 50 seats reserved for Economics majors; jr or sr, 3 cr.

4960 Topics in Economics (max crs 6; A-F; prereq 3101 or 3102, Math 1271; may change based on topic). 69526 001 LEC, 02:30pm-03:45pm TTh, BlegH 330; 35 seats reserved for Economics majors; jr or sr, 3 cr.

4993 Directed Study (max crs 4; prereq 4040460001 DST; This is for Honors thesis credits only., 1-4 cr.

5109H Game Theory for Engineers (A-F only; prereq [[Math 2283, Math 2374, Math 3283] or Math 4606], M.S./Ph.D. student in engineering or comp sci or operations mgmt] or instr consent; not for econ [undergrads or PhD students]; credit will not be graded if credit

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
3101 Creativity and Intelligence: an Introduction
(Credit will not be granted if credit has been received for: EPSY 101; OPH 115)
68458 001 LEC, instruction mode: This is a semester-long online course with an initial optional on-campus meeting TBA; contact the instructor if you cannot attend., Meets with: 55559 EPSY 5101; Bart, William M, 3 cr

3119 Learning, Cognition, and Assessment
(Credit will not be granted if credit has been received for: EDED 5001; A-F only)
201 001 LEC, 12:45pm-02:00pm T, NichH 275; 3 seats reserved for non-PSEO, non-admitted student - EXPRES 16-DEC-2011; Pellegrini, Antony D, 3 cr

5114 Play in Development and Education (A-F; prerequisite: Course in child or developmental psychology)
48640 1001 LEC, 04:40pm-07:20pm T, BuH 120; 3 seats reserved for non-PSEO, non-admitted student - EXPRES 16-DEC-2011; Pellegrini, Antony D, 3 cr

5191 Education of the Gifted and Talented (A-F only)
54729 001 LEC, instruction mode: This is a semester-long online course. The instructor will provide the URL to registered students.; 3 seats reserved for non-PSEO, non-admitted student - EXPRES 16-DEC-2011; Taylor, Lucienne J, 3 cr

5200 Special Topics: Psychological Foundations (max crs 30; 30 repeats allowed)
66328 001 KWS, 04:40pm-07:20pm T, Follih 120; The course will focus on neuroscience papers of relevance to education. It will cover topics such as mathematics, reading, science, intelligence, learning, motivation, social cognition, emotion, and media understanding. Students will develop an understanding of what neuroscience has to offer education.; 2 seats reserved for non-PSEO, non-admitted student - EXPRES 16-DEC-2011; Varma, Sashank, 3 cr; 6 seats reserved for: EPSY 6051, 67377, 5112, 5114, 5113, 5191, 5200

5243 Principles and Methods of Evaluation (Credit will not be granted if credit has been received for: OPED 5501)
69658 001 LEC, 09:45am-11:00am TTh, BuH 120; Meets with: 57164 OPED 5501; King, Jean A, 3 cr

5245 Advanced Survey Data Analysis for Categorical and Rating Scale Data (prereq 5244, 5261)
59117 001 LEC, 10:10am-12:40pm M, PeikH 325, 02/27/12-04/02/12; Rodrigue, Michael C., 2 cr; 3 seats reserved for non-PSEO, non-admitted student - EXPRES 16-DEC-2011; Varma, Sashank, 3 cr; 6 seats reserved for: EPSY 6051, 67377, 5112, 5114, 5113, 5191, 5200

5246 Evaluation Continuum: Psychological Foundations (Credit will not be granted if credit has been received for: OPED 5524; max crs 8; 8 repeats allowed; S-N only; 3 seats reserved for non-PSEO, non-admitted student - EXPRES 16-DEC-2011; Varma, Sashank, 3 cr; 6 seats reserved for: EPSY 6051, 67377, 5112, 5114, 5113, 5191, 5200

5261 Introductory Statistical Methods (Credit will not be granted if credit has been received for: EPSY 5231, EPSY 3264)
48531 1001 LEC, 04:40pm-07:20pm Th, STSS 420B; class meets in Room 10 of the Education Sciences Building (on the ground floor.); 3 seats reserved for non-PSEO, non-admitted student - EXPRES 16-DEC-2011; Ziegler, Laura Ann, 3 cr

5262 Intermediate Statistical Methods (prereq 5262 or 5261 or equiv)
66449 1001 LEC, 04:40pm-07:20pm W, PeikH 325; class meets in Room 10 of the Education Sciences Building (on the ground floor.); 3 seats reserved for non-PSEO, non-admitted student - EXPRES 16-DEC-2011; Everson, Michelle G, 3 cr

5271 Becoming a Teacher of Statistics (prereq 5261 or equiv)
69326 001 COL, 03:30pm-06:30pm M, STSS 420A; class meets in Room 10 of the Education Sciences Building (on the ground floor.); 3 seats reserved for non-PSEO, non-admitted student - EXPRES 16-DEC-2011; Everson, Michelle G, 3 cr

5429 Foundations of Individual/Organizational Career Development
59265 1001 DIS, 04:40pm-07:20pm M, Wulff 240; class meets in Room 10 of the Education Sciences Building (on the ground floor.); 3 seats reserved for non-PSEO, non-admitted student - EXPRES 16-DEC-2011; Teng, Tien-Yi, 3 cr

Louis Neumann, 3 cr

5451 College Students Today (Credit will not be granted if credit has been received for: PSYD 7001)
61138 1002 DIS, 04:40pm-07:20pm Th, BuH 120; Meets with: 60784 OLPD 5704; Gunton, Jarrett Temple, 3 cr

5509 Family-centered Services (A-F only)
54660 1001 LEC, 04:40pm-06:20pm Th, BuH 125; Meets with: 60784 OLPD 5704; Gunton, Jarrett Temple, 3 cr

5613 Foundations of Special Education I (A-F only; prerequisite: Child development course, 5601 or equiv)
45589 001 LEC, 12:45pm-02:00pm TTh, BuH 125; Elementary Education Foundations majors only.; Meets with: 49911 002 LEC, 12:45pm-02:00pm TTh, BuH 123; Elementary Education Foundations majors only.; 3 cr

5614 Foundations of Special Education II (A-F only; prerequisite: 5613)
45589 002 LEC, 04:40pm-07:20pm W, Eleh N647; 1 seat reserved for non-PSEO, non-admitted student; Kelley, Mary Beth, 3 cr

5615 Advanced Academic Interventions (A-F only; prerequisite: 5612)
45755 1001 LEC, 04:40pm-07:20pm T, BuH 125; Sievert, PhD, Kathy, 3 cr

5616 Behavior Analysis and Classroom Management
52658 001 LEC, 02:30pm-03:45pm TTh, PeikH 375; Elementary Education Foundations majors only.; Meets with: 49838 002 LEC, 02:30pm-03:45pm TTh, Aphi, 3 cr; 49838 003 LEC, 02:30pm-03:45pm TTh, Meets with: 56140 001 LEC, 04:40pm-07:20pm M, NCCE 140; M.Ed, ECSE, and non degree students.; Elementary Education Foundations majors must take either section 1, 2, or 3., 3 cr

5618 Specialized Interventions for Students With Disabilities in Reading and Written Language (A-F only; prerequisite: Enrollment in [EBD or LD or DD or DHH] or instr consent)
56015 001 DIS, 04:40pm-07:20pm Th, Aphi 111; Pinto, Viveca Victoria, 3 cr

5621 Academic Instruction for Students with Mild to Moderate Intellectual Disabilities (A-F only; prerequisite: 5613, 5614)
45756 001 LEC, 04:40pm-07:20pm T, Aphi 319; Peper, Christine R, 3 cr

5646 Reading and Writing Practices with Deaf/Hard of Hearing Children (prereq 5644 or general educ methods in tchg reading and writing skills, or instr consent)
45585 1001 LEC, 04:40pm-07:20pm T., ROOM TBA; Class will meet in Room 10 of the Education Sciences Building (on the ground floor.); Shultz, Mary Hale, 3 cr

5648 Communication Systems for Children with Disabilities
45584 001 LEC, 01:25pm-03:30pm W, BuH 123; 1 seat reserved for non-PSEO, non-admitted student.; Paulson, Anna Regas, 2 cr

5649 Models of Instructional Programming With Deaf and Hard of Hearing Students (prereq 5644, 5645, or instr consent)
45587 1001 LEC, 04:40pm-07:20pm M., ROOM TBA; Class meets in Room 10 of the Education Sciences Building (on the ground floor.); Rose, Susan, 3 cr

5657 Interventions for Social and Emotional Disabilities (A-F only; prerequisite: 5616, 5619)
5681 Education of Preschool Children With Disabilities: Methods and Materials (A-F; prereq [5616, 5625] or instr consent) 45579 001 LEC, 04:00pm-07:00pm M, BuH 120; 1 seat reserved for non-PREG, non-admitted student; Johnson, LeAnne Denise, 3 cr

5701 Practicum: Field Experience in Special Education (max crs 12; 10 repeats allowed; A-F only; prereq [5614, (FOE or SPED grad or licensure student) or instr consent]) 49561 001 PRC, 1-6 cr

5702 Practicum in Autism Spectrum Disorder (A-F; prereq 5616, 5661, 5609, one of [5622 or 5644 or SLHS 5606], enrolled in Autism Spectrum Disorder certificate program, instr consent) 55396 001 PRC; Rechle, Joe E, 3 cr

5703 Practicum in Applied Behavior Analysis (A-F; prereq 5616, 5657, Psy 4011, Applied Behavior Analysis Certificate student, instr consent) 58021 001 PRC; McComas, Jennifer, 3 cr

5751 Student Teaching: Deaf and Hard of Hearing (max crs 10; 10 repeats allowed; prereq instr consent) 50212 001 PRC; Paulson, Anna Regas, 1-6 cr

5752 Student Teaching: Learning Disabilities (max crs 10; 10 repeats allowed; S-N only; prereq instr consent) 45560 001 PRC, 01:00pm-03:00pm W, PeikH 335; Seifert PhD, Kathy, 1-6 cr

5754 Student Teaching: Social and Emotional Disabilities (max crs 8; 8 repeats allowed; A-F only; prereq Completion of licensure courses for social and emotional disorders, instr consent) 45608 001 PRC; Kelley, Mary Beth, 1-6 cr

5755 Student Teaching: Developmental Disabilities, Mild/Moderate (max crs 6; A-F only; prereq Completion of all licensure coursework, instr consent) 45582 001 PRC; Pepple, Christine R, 1-6 cr

5756 Student Teaching: Developmental Disabilities, Moderate/Severe (max crs 6; A-F only; prereq Completion of all licensure coursework, instr consent) 45583 001 PRC; Pepple, Christine R, 1-6 cr

5761 Student Teaching in Early Childhood Special Education Settings for Children Aged Three to Five Years (max crs 6; S-N; prereq Licensure candidate in Early Childhood/Early Childhood Licensure Program, completion of all other licensure requirements for ECSE, instr consent; completion of Birth-3 student teaching should be completed after age 3-5 student teaching when possible) 59494 001 PRC; Paulson, Anna Regas, 3 cr

5762 Student Teaching in Early Childhood Special Education for Children Aged Birth to Three Years (max crs 6; S-N; prereq Licensure candidate in Early Childhood/Early Childhood Licensure Program, completion of all other licensure requirements for ECSE, instr consent; completion of Birth-3 student teaching should be completed after age 3-5 student teaching when possible) 59495 001 PRC; Paulson, Anna Regas, 3 cr

5849 Observation and Assessment of the Preschool Child 45802 001 LEC, 05:00pm-07:20pm M, Fohl 104; 3 cr 54372 002 LEC, 05:00pm-07:20pm T, BuH 123; This section for Post Bacc (M.Ed.) students; 3 cr

5851 Collaborative Family-School Relationships (max crs 3; prereq seniors or grad student) 57746 001 DIS, 02:30pm-05:20pm W, ApH 319; 2-3 cr

5901 Independent Study in Educational Psychology (max crs 20; 20 repeats allowed; A-F only; prereq instr consent) 46602 004 IND; Special Education, 1-8 cr 46602 003 IND; Counseling and Student Personnel Psychology, 1-8 cr 46604 003 IND; School Psychology; Instructor permission required, 1-8 cr 46605 004 IND; Psychological Foundations/QME, 1-8 cr

8114 Seminar: Cognition and Learning (max crs 9; 3 repeats allowed) 69003 001 SEM, 02:30pm-04:00pm W, CivE 213; LEARNING SCIENCES AND TECHNOLOGY DESIGN. The Learning Sciences is an interdisciplinary field that studies learning and cognition in formal and informal contexts. The main goal of research in this field is to better understand the cognitive and social processes that result in the most effective learning and to use this knowledge to redesign classrooms and other formal and informal learning environments so that people learn more deeply and more effectively. This course will introduce you to the field of the Learning Sciences by examining the cognitive revolution that lead to the development of the field and the psychological theories that inform the research. It will cover core theories related to representation, learning, expertise, learning, conceptual change, and instructional design. You will develop an appreciation for the interaction between psychological theory, cognitive development and instructional practice. Students in this course will also examine issues related to technology-enhanced instruction from a learning sciences perspective. We will look at how research in developmental, cognitive and educational psychology informs the way that technology-enhanced support is designed and implemented. We will read research papers concerned with the design and implementation of technology-based innovations. Throughout the course, students will work collaboratively to reflect on issues of technology integration, learning and cognition.; Vanma, Kesha, 3 cr

8132 Personality Development and Socialization (prereq Personality or child psychology course) 45832 001 LEC, 09:00am-11:45am M, BuH 123; Burke, Caroline Anne, 3 cr

8220 Special Topics: Seminar in Quantitative Methods (max crs 15; 15 repeats allowed) 68331 001 SEM, 12:45pm-02:00pm TTh, EIHN 647; Topic prereq - 8261, 8262 or equiv. Meta-analysis is a methodology for conducting quantitative literature reviews in which the outcomes of empirical research studies are aggregated. Combining empirical results across studies permits important patterns in study outcomes to be detected that may not be apparent in narrative literature reviews.; Harwell, Michael R, 3 cr

8262 Statistical Methods II: Regression and the General Linear Model (prereq [8260, 8261] or equiv) 45834 001 LEC, 3 cr 54732 002 LEC, 11:15am-12:30pm TTh, BuH 123; delMas, Robert Claude, 3 cr

8265 Factor Analysis (prereq [8260, 8261] or equiv) 56668 001 LEC, 11:15am-12:30pm TTh, ApH 11; Davenport Jr, Ernest C, 3 cr

8266 Statistical Analysis Using Structural Equation Methods (prereq [8263 or 8264]) 58437 001 PRC, 08:15am-09:30am TTh, PeikH 325; Maruyama, Geoffrey M, 3 cr

827 Applied Multivariate Analysis (prereq [8261, 8262] or equiv), familiarity with matrix algebra, knowledge of a computerized statistics package 55561 001 LEC, 05:30pm-08:10pm T, PeikH 325; Davenport Jr, Ernest C, 3 cr

8268 Hierarchical Linear Modeling in Educational Research (prereq [8261, 8262] or equiv) 68336 001 LEC, 02:30pm-04:35pm M, BuH 125; Harwell, Michael R, 3 cr

8269 Matrix Algebra for Statistical Modeling (prereq [8262 or 8266]) 68337 001 LEC, 02:30pm-04:25pm M, BuH 120; Rodriguez, Michael C, 2 cr

8271 Statistics Education Research Seminar: Studies on Teaching and Learning Statistics (max crs 9; 3 repeats allowed) 61134 001 SEM; This class will meet in 320 Education Sciences Building, 3 cr

8282 Statistical Analysis of Longitudinal Data (prereq [8261, 8262] or equiv) 61482 001 LEC, 09:45am-11:00am TTh, EIHN 647; 3 cr

8290 Special Topics: Seminar in Psychological Foundations (max crs 15; 15 repeats allowed; prereq instr consent) 69492 001 SEM, 02:20pm-04:50pm T, ApH 223; Maruyama, Geoffrey M, 3 cr

8299 Quantitative Methods in Education Internship (max crs 3; 3 repeats allowed; S-N; prereq EPsy MA or PhD student, QME track) 68338 001 IEX; Contact QME advisor for permission to register.; 1-3 cr

8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent) 49333 001 THE, 1 cr

8403 Social/Cultural Contexts: Counseling and Skills (A-F only; prereq Grad ed psy major with CSPP
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<td>(max crs 4; A-F only; prereg 8503 or instr consent)</td>
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<td>8505</td>
<td>Counseling Practicum II</td>
<td>(max crs 4; A-F only; prereg 8503 or instr consent)</td>
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<td>8508</td>
<td>Supervision Practicum</td>
<td>(max crs 2; A-F only; prereg Grad EdPsy PhD student with CSPP subpro or instr consent)</td>
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<td>Internship</td>
<td>(max crs 12; 4 repeats allowed; A-F; prereg [Grad EdPsy PhD student with CSPP subpro or instr consent]</td>
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University of Minnesota - Class Schedule for Twin Cities Campus  Spring 2012

5003 Developmental and Individual Differences in Educational Contexts (A-F only; prereq Jr or Sr or pre-baccalaureate or initial licenses or prelicensure curricula in a major field of study or pre-majoring in FOE or agriculture or kinesiology or inscr consent) 45825 001 LEC, 09:15am-10:45am TTh, TSE 103; McAllister, D. 2 cr
45826 002 LEC, 09:15am-10:45am M, TSE 103; McAllister, D. 2 cr
45827 003 LEC, 09:15am-10:45am Th, TSE 103; McAllister, D. 2 cr

5008 Teaching Students With Special Needs in Inclusive Settings (A-F only; prereq Teacher preparation program in [CSE 1901, 3005, 5072, 51201, 51202, 69479 001 SEM; Topic prereq - inscr consent-) 2 cr
46249 001 DIS, 12:20pm-02:00pm M, TSE 216; Knapp, J. 3 cr
46250 001 DIS, 12:20pm-02:00pm W, TSE 216; Knapp, J. 3 cr

5009 Human Relations: Applied Skills for School and Society (A-F only; prereq 3003 or CLA music ed or preteaching or inscr consent) 45830 001 WKS, 01:30pm-03:00pm T, STSS 333; Seifert, T. 1 cr

5100 International Topics for Graduate Students (max crs: 3 repeats allowed) 69497 001 SEM, Topic prereq - inscr consent - Contact Alexandre Ardichvili ardichvil@umn.edu for permission numbers.; Ardichvili A, 11-15 cr; S-N; Global Talent Development in Brazil

5110 Introduction to Electrical and Computer Engineering (S-N only) 46429 007 LEC, 09:35pm-11:00pm T, KA 124; Riedel, M. 3 cr

1301 Introduction to Computing Systems (prereq Concurrent registration is required (or allowed) in MATH 2243 or Concurrent registration is required (or allowed) in MATH 2373 or MATH 2573) 45821 001 LEC, 09:00am-10:30am M, TSE 103; Riedel, Marc 2 cr
45822 001 LEC, 09:00am-10:30am W, TSE 103; Riedel, Marc 2 cr
45823 001 LEC, 09:00am-10:30am Th, TSE 103; Riedel, Marc 2 cr

2000 Introductory Circuits and Electronics Laboratory (prereq Concurrent enrollment is required (or allowed) in PHYS 1302, Concurrent registration is required (or allowed) in MATH 2243 or MATH 2373 or MATH 2573) 46436 002 LAB, 01:25pm-03:20pm M, KHKH 3-136; Wang, Jianping 1 cr
46437 003 LAB, 01:25pm-03:20pm W, KHKH 3-136; Wang, Jianping 1 cr
46438 004 LAB, 01:25pm-03:20pm Th, KHKH 3-136; Wang, Jianping 1 cr
46439 005 LAB, 01:25pm-03:20pm F, KHKH 3-136; Wang, Jianping 1 cr
51206 006 LAB, 01:25pm-03:20pm M, KHKH 4-138; Riedel, Marc 1 cr
51207 007 LAB, 01:25pm-03:20pm W, KHKH 4-138; Riedel, Marc 1 cr
51208 008 LAB, 01:25pm-03:20pm Th, KHKH 4-138; Riedel, Marc 1 cr
51209 009 LAB, 01:25pm-03:20pm F, KHKH 4-138; Riedel, Marc 1 cr

2001 Introductory Circuits and Electronics (prereq Concurrent registration is required (or allowed) in PHYS 1302, Concurrent registration is required (or allowed) in MATH 2243 or Concurrent registration is required (or allowed) in MATH 2373 or Concurrent registration is required (or allowed) in MATH 2573) 46462 001 LEC, 09:45am-11:00am TTh, STSS 330; Imbertson, Paul J. 1 cr

2002 Introductory Circuits Laboratory (prereq Concurrent enrollment is required (or allowed) in PHYS 1302, Concurrent registration is required (or allowed) in MATH 2243 or Concurrent registration is required (or allowed) in MATH 2373 or Concurrent registration is required (or allowed) in MATH 2573) 49200 001 LAB, 10:10am-12:05pm M, TSE 103; Robbins, W. P. 1 cr
49201 002 LAB, 10:10am-12:05pm T, TSE 103; Robbins, W. P. 1 cr
49202 003 LAB, 10:10am-12:05pm Th, TSE 103; Robbins, W. P. 1 cr
49203 004 LAB, 10:10am-12:05pm F, TSE 103; Robbins, W. P. 1 cr
51204 005 LAB, 10:10am-12:05pm M, KHKH 2-178; Riedel, Marc 1 cr
51205 006 LAB, 10:10am-12:05pm W, KHKH 2-178; Riedel, Marc 1 cr
51206 007 LAB, 10:10am-12:05pm Th, KHKH 2-178; Riedel, Marc 1 cr
51207 008 LAB, 10:10am-12:05pm F, KHKH 2-178; Riedel, Marc 1 cr
51208 009 LAB, 10:10am-12:05pm M, KHKH 3-136; Wang, Jianping 1 cr
51209 010 LAB, 10:10am-12:05pm W, KHKH 3-136; Wang, Jianping 1 cr
51210 011 LAB, 10:10am-12:05pm Th, KHKH 3-136; Wang, Jianping 1 cr
51211 012 LAB, 10:10am-12:05pm F, KHKH 3-136; Wang, Jianping 1 cr
52901 024 LAB, 10:10am-12:05pm W, KHKH 2-178; Riedel, Marc 1 cr
52902 025 LAB, 10:10am-12:05pm W, KHKH 3-136; Wang, Jianping 1 cr

3005 Fundamentals of Electrical Engineering (prereq Math 2243, Phys 1932; not for EE majors) 46059 001 LEC, 09:00am-10:30am MTWF, STSS 220; Robbins, William P. 4 cr

3006 Fundamentals of Electrical Engineering Laboratory (prereq Concurrent enrollment in 3005 is allowed but not required) 51197 002 LAB, 01:25pm-03:20pm W, KHKH 3-136; Robbins, William P. 1 cr
46060 003 LAB, 03:35pm-05:30pm W, KHKH 3-136; Robbins, William P. 1 cr
46061 004 LAB, 08:00am-09:55am Th, KHKH 3-136; Robbins, William P. 1 cr
46062 005 LAB, 12:05pm-02:50pm Th, KHKH 3-136; Robbins, William P. 1 cr
46063 006 LAB, 01:25pm-03:20pm Th, KHKH 3-136; Robbins, William P. 1 cr
46064 007 LAB, 03:35pm-05:30pm Th, KHKH 3-136; Robbins, William P. 1 cr
46065 008 LAB, 12:05pm-02:50pm F, KHKH 3-136; Robbins, William P. 1 cr
51196 010 LAB, 02:30pm-04:25pm F, KHKH 3-136; Robbins, William P. 1 cr
56204 011 LAB, 03:35pm-05:30pm T, ROOM TBA; Robbins, William P. 1 cr

3015 Signals and Systems (prereq [2011, CSE] or dept consent) 46313 001 DIS, 12:20pm-01:10pm M, KHKH 1-262; Saporta, Guillermo R. 3 cr
46314 003 DIS, 01:25pm-02:15pm W, KHKH 1-262; Luo, Zhi-Guan, 3 cr
51195 004 DIS, 02:30pm-04:20pm Th, KHKH 2-178; salapaka, murti v, 3 cr
883 LEJ 1010am-11:50am MWF, ROOM TBA; OFFMPTC, instruction mode: ; LECTURE WILL BE STREAMED, ON CAMPUS ATTENDANCE REQUIRED FOR FINAL Exam, Instruction Mode: Web based, online course. REGISTRATION MUST BE PROCORED THRU UNITE DISTRIBUTED LEARNING. For computer requirements AND REGISTRATION MATERIALS see: www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees; [$100 per credit). Registration form(s) found on UNITE's web page. All homework and exams are on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Saporta,
### 3025 Statistical Methods in Electrical and Computer Engineering

(03E, CSE or instr approval)

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<td>50061</td>
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### 3041 Industrial Assignment I

(A-F; prereq EE or CompE upper div), enrolled in ECE co-op program

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### 3101 Circuits and Electronics Laboratory I

(prereq 2002, [3115 or Concurrent registration is required for 3115] or CSE or dept consent)

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### 3102 Circuits and Electronics Laboratory II

(prereq 3101 or CSE or dept consent), attended first day of class

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### 3115 Analog and Digital Electronics

(prereq 2035 or Concurrent registration is required or concurrent enrollment in 2035) 4 cr

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### 4161 Energy Conversion and Storage Laboratory

(prereq Concurrent registration is required (or allowed) in 4161W)

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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
5490 Topics in Electrical and Computer Engineering (max crs 8; prereq CSE or instr consent) 5303 001 LEC, 12:20pm-01:10pm W, AkerH 227; Franklin, Rhonda R., 3 cr 5324 VLSI Design II 52157 001 LEC, 11:15am-12:30pm MW, MechE 108; Sobelman, Gerald Edward, 3 cr 5328 Digital Signal Processing 5601 Introduction to RF/Microwave Engineering (A-F; prereq [5601 or Concurrent registration is required (or allowed) in 5321], CSE grad student or dept consent) 51185 001 LEC, 09:45am-11:00am MW, KHKH 3-125; Franklin, Rhonda R., 3 cr 5613 RF/Microwave Circuit Design Laboratory (A-F; prereq [5601 or Concurrent registration is required (or allowed) in 5321], CSE grad student or dept consent) 51185 001 LEC, 09:45am-11:00am MW, KHKH 3-125; Franklin, Rhonda R., 3 cr 5621 Physical Optics (A-F; prereq [5305, CSE grad student or dept consent] or 51185, CSE grad student or dept consent) 48600 001 LEC, 12:45pm-02:45pm TTh, MechE 102; He, Bin, 3 cr 5055 Wireless Communication 4940 Special Topics in Electrical Engineering 5545 Digital Signal Processing Course (prereq [5445, CSE grad student or dept consent] or 5501 recommended) 54221 001 LET, 11:15am-12:30pm TTh, MechE 102; Nihal, Nair, 3 cr 5551 Multiscale and Multivariate Signal Processing (prereq [5445, 5531, CSE grad student or dept consent] or Concurrent registration is required (or allowed) in 5321, CSE grad student or dept consent) 5321 001 LEC, 12:45pm-02:45pm TTh, MechE 108; Franklin, Rhonda R., 3 cr
5622 Physical Optics Laboratory
(prereq [5621 or Concurrent registration is required (if allowed)], CSE grad student or dept consent)

53834 001 LEC, 11:15am-12:05pm MWF, MechE 212; Tzou, James Robert, 1 cr
52534 883 LEC, 11:15am-12:05pm MWF, ROOM TBA, OFFCMTPTC, instruction mode : Instruction Mode : Web based, online course. REGISTRATION MUST BE PROCESSED THRU UNITE DISTRIBUTED LEARNING. For computer requirements and REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.($100/per credit). Registration form(s) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Leger, James Robert, 1 cr

5565 Magnetic Recording
(prereq CSE grad student or dept consent)

51193 001 LEC, 08:30am-09:40am MWF, MechE 102; Wang, Jun, 3 cr
52534 883 LEC, 08:30am-09:40am MWF, TTH, ROOM TBA, OFFCMTPTC, instruction mode : Instruction Mode : Web based, online course. REGISTRATION MUST BE PROCESSED THRU UNITE DISTRIBUTED LEARNING. For computer requirements and REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.($100/per credit). Registration form(s) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Wang, Jun, 3 cr

5900 Curricular Practical Training
(max crs 6; 3 repeats allowed; S-N only; prereq Grad student, instruction mode: Web based, online course. REGISTRATION MUST BE PROCESSED THRU UNITE DISTRIBUTED LEARNING. For computer requirements and REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.($100/per credit). Registration form(s) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Zhai, Antonia Bingheng, 3 cr

8231 Optimization Theory
(prereq instr consent)

68130 001 LEC, 04:00pm-05:15pm TTH, KHKK 3-125; Luo, Zhi-Quan, 3 cr
69445 883 LEC, 04:00pm-05:15pm TTH., ROOM TBA, OFFCMTPTC, instruction mode : Instruction Mode : Web based, online course. REGISTRATION MUST BE PROCESSED THRU UNITE DISTRIBUTED LEARNING. For computer requirements and REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.($100/per credit). Registration form(s) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Luo, Zhi-Quan, 3 cr

8367 Parallel Computer Organization
(Credit will not be granted if credit has been received for: CSCI 8205; prereq 5364 or CSCI 5204)

52158 001 LEC, 02:30pm-03:20pm MW, MechE 108; Meets with: 52089 CSCI 8205, 3 cr
52540 883 LEC, 02:30pm-03:20pm MW., ROOM TBA, OFFCMTPTC, instruction mode : Instruction Mode : Web based, online course. REGISTRATION MUST BE PROCESSED THRU UNITE DISTRIBUTED LEARNING. For computer requirements and REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.($100/per credit). Registration form(s) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Zhai, Antonia Bingheng, 3 cr

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

49439 001 THE, 1 cr

8581 Detection and Estimation Theory
(prereq 5531 or instr consent)

49585 001 LEC, 10:45am-12:00pm TTh, MechE 102; Haupt, Jarvis David, 3 cr
52530 883 LEC, 10:45am-12:00pm TTh., ROOM TBA, OFFCMTPTC, instruction mode : Instruction Mode : Web based, online course. REGISTRATION MUST BE PROCESSED THRU UNITE DISTRIBUTED LEARNING. For computer requirements and REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.($100/per credit). Registration form(s) found on UNITE’s web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Haupt, Jarvis David, 3 cr

8660 Seminar: Magnetics
(max crs 3; 3 repeats allowed; S-N only)

49585 001 SEM, 02:30pm-03:20pm F, KHKK 3-125.; 1 cr
52532 883 SEM, 02:30pm-03:20pm F., ROOM TBA, OFFCMTPTC, instruction mode : Instruction Mode : Web based, online course. REGISTRATION MUST BE PROCESSED THRU UNITE DISTRIBUTED LEARNING. For computer requirements and REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.($100/per credit). Registration form(s) found on UNITE’s web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Haupt, Jarvis David, 3 cr

8666 Doctoral Pre-Thesis Credits
(max crs 12; NGA; prereq student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 12 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

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

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

8940 Special Investigations (max crs 3; prereq 1-3 cr [may be repeated for cr]; IT grad student or instrr consent)

8967 Plan C Project II (max crs 3; prereq EE grad student)

ENDODONTICS (Endo)

5306 Advanced Clinical Endodontics (max crs 6; A-F only)
5309 Advanced Clinical Endodontics (max crs 6; A-F; prereq 5308)
5313 Advanced Endodontic Emergency (S-N only; prereq 5312)
5316 Advanced Endodontic Emergency (S-N only; prereq 5315)
5330 Review of Cases (max crs 2; A-F only; prereq 5329)
5332 Review of cases (A-F only; prereq dept consent)
5600 Endodontic Histopathology (max crs 2; S-N only)
8002 Research in Endodontics (max crs 2; prereq dept consent)
8005 Research in Endodontics (max crs 2; A-F; prereq dept consent)
8311 Literature Review (A-F only; prereq 8310)
8313 Literature Review (A-F; prereq 8320)
8321 Advanced Endodontic Lecture (A-F; prereq 8320)
8323 Advanced Endodontic Lecture (A-F; prereq 8322)
8335 Endodontics/Periodontics Seminar (S-N only; prereq dept consent)
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
3001W Textual Analysis: Methods
(Credit will not be granted if credit has been received for: ENGL 3001V; A-F; prerequisites English major or minor or BIS/IDIM/English; credit will not be granted if credit already received for: ENGL 3001; S001; meets CLE req of Writing Intensive)
55413 001 LEC, 02:00pm-04:25pm TTH, Rapsapn# 54; All seats are reserved for students with declared English major or minor programs, or with approved IDIM or BIS programs with an English area; Cucculi, Lois B, 4 cr
3002 Modern Literary Criticism and Theory
(Credit will not be granted if credit has been received for: ENGL 3002H; credit will not be granted if credit already received for: ENGL 3003; prerequisites English major or minor or pre-major or BIS/IDIM/English; credit will not be granted if credit already received for: ENGL 3003; 3004; meets CLE req of Writing Intensive)
3003W Historical Survey of British Literatures I
(Credit will not be granted if credit already received for: ENGL 3003; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)
48959 001 LET, 08:00am-08:50am MTWTh, LindH 303; 15 seats reserved for English major or minor - EXPERIENS 2011-01-2012; Farber, Alianna, 3 cr
55414 002 LET, 09:45am-11:00am TTh, LindH 302; 15 seats reserved for English major or minor - EXPERIENS 01-2012-01-2012; Ismail, Qadi M, 3 cr
3004W Historical Survey of British Literatures II
(Credit will not be granted if credit already received for: ENGL 3004; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)
51640 001 LET, 09:00am-09:55am MTWTh, LindH 325; 15 seats reserved for English major or minor - EXPERIENS 1-2012-01-2012; Rabinowit, Paula
46207 002 DIS, 11:15am-12:05pm M, LindH 229; 4 cr
46206 003 DIS, 11:15am-12:05pm W, LindH 229; 4 cr
46206 004 DIS, 11:15am-12:05pm M, LindH 203; 4 cr
46209 005 DIS, 11:15am-12:05pm W, LindH 214; 4 cr
3005W Survey of American Literatures and Cultures I
(meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive)
51640 001 LET, 09:00am-09:55am MTWTh, LindH 325; 15 seats reserved for English major or minor - EXPERIENS 2011-01-2012; Elfenbein, Andrew, 3 cr
57332 1002 LET, 06:00pm-07:40pm MW, AmundH 156; 15 seats reserved for English major or minor - EXPERIENS 2012-01-2012; Davis, Abigail F, 4 cr
3006W Survey of American Literatures and Cultures II
(Credit will not be granted if credit already received for: ENGL 3005; credit will not be granted if credit already received for: ENGL 3087; meets CLE req of Literature)
3007 Shakespeare
(Credit will not be granted if credit has been received for: ENGL 3007; credit will not be granted if credit already received for: ENGL 3807; meets CLE req of Literature)
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
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<tr>
<td>57746 040 DRD</td>
<td>Walters, John, 1-9 cr</td>
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<td>57746 042 DRD</td>
<td>Wright, John S, 1-9 cr</td>
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### Summer 2012

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<td>Course Code</td>
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<tr>
<td>3221</td>
<td>Soil Conservation and Land-Use Management</td>
<td>3 cr</td>
<td>Wheeler, Daniel B; Mulla, D J</td>
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<td>3241W</td>
<td>Natural Resource and Environmental Policy</td>
<td>3 cr</td>
<td>常年(only) if meets CLE req of CivLib Life and Ethics; meets CLE req of Social Sciences; meets CLE req of Writing Intensive</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
50671 001 DRD, 08:00am-08:50am W, . ROOM TBA; Pettersen, Marrie Lorraine, 1-2 cr
50892 004 LEC; Jacobson, Pamala Ann, 1-4 cr
8992 Directed Readings in Experimental and Clinical Pharmacology
(max crs 4; 4 repeats allowed)

5564 Family Practice Seminar
(max crs 9; 9 repeats allowed; O-N only; prereq MD or DO degree)
47290 002 SEM, 1 cr

5590 Clinical Issues in Human Sexuality
(O-N only; prereq Enrollment in health sci grad programs in CSPP, Psy, Publ, SW or FSCS or instr consent)
47522 002 LEC; Coleman, Eli, 2 cr

5955 Directed Study
(max crs 10; O-N only; instr consent; qualified students may arrange for work on a tutorial basis)
47291 002 DST; Yeazel, Mark William, 1-10 cr

7500 Sub-internship in Family Medicine
(max crs 4; HNV)
53561 001 CLN, 2-4 cr

7501 Rural Physician Associate Program (RPAP)
(max crs 24; 3 repeats allowed; HNV; prereq Med 7500, Obst 7500, USMLE Step 1 Passing Score)
47929 002 CLN, 08:00am-05:00pm MTWThFSSu, . ROOM TBA, 2-6 cr
50402 003 CLN; Brooks, Kathleen D, 2-6 cr
50403 004 CLN; Brooks, Kathleen D, 2-6 cr

7502 Rural Physician Associate Program (RPAP): Orthopaedic Surgery (P-N only; prereq 7501, RPAP student)
52021 001 CLN, 2-4 cr

7503 Preceptorship in Family Medicine Obstetrics
(max crs 4; HNV; prereq instr consent)
48478 017 CLN, 2-4 cr

7504 Rural Physician Associate Program (RPAP): Surgery (HNV; prereq Med 7500, Obst 7500, USMLE Step 1 Passing Score)
50857 001 CLN, 6 cr

7505 Rural Physician Associate Program (RPAP): Obstetrics and Gynecology
(HNV; prereq 7501)
50858 001 CLN, 6 cr

7506 Rural Physician Associate Program (RPAP): Pediatrics
(HNV; prereq 7501)
50859 001 CLN, 6 cr

7507 Rural Physician Associate Program (RPAP): Otolaryngology
(max crs 4; P-N only)
50860 001 CLN, 2-4 cr

7508 Rural Physician Associate Program (RPAP): Urology
(P-N only)
50861 001 CLN, 2-4 cr

7509 Rural Physician Associate Program (RPAP): Primary Care Clerkship I
(HNV; prereq 7501)
50862 001 CLN, 4 cr

7510 Rural Physician Associate Program (RPAP): Primary Care Clerkship II
(HNV; prereq 7509)
50863 001 CLN, 4 cr

7511 Urban Community Ambulatory Medicine (UCAM)
(HNV; prereq InMd 7508, InMd 7509)
47930 002 CLN, 4 cr

7512 Urban Community Ambulatory Medicine (UCAM)
(HNV; prereq 7511, InMd 5508, InMd 7509)
48479 002 CLN, 4 cr

7515 RPAP: Emergency Medicine (HNV)
55272 001 CLN, 4 cr

7516 Research in Human Sexuality (HNV)
47931 004 DRS, 6 cr

7518 In-Patient Family Medicine
(max crs 4; HNV; prereq [Med 7500 or InMd 7508], 7509)
47932 001 CLN, 2-4 cr

7519 Clinical Practice of Occupational Medicine
(max crs 4; HNV)
49555 001 CLN, 08:00am-05:00pm MTWThF, . ROOM TBA, 3-4 cr

7520 Rural Rotation in Family Medicine
(max crs 6; HNV)
47930 001 CLN, 08:00am-05:00pm MTWThFSSu, . ROOM TBA, 2-6 cr

7523 Family Medicine Clerkship: Duluth
(max crs 6; HNV)
47934 006 CLN, 08:00am-05:00pm MTWThFSSu, . ROOM TBA, 2-6 cr

7524 Palliative Medicine and Hospice
(max crs 3; HNV)
55273 001 CLN, 2-3 cr

7525 Cardiovascular Medicine in the Community Hospital
(max crs 6; HNV; prereq Med 7500)
47935 011 CLN, 08:00am-05:00pm MTWThFSSu, . ROOM TBA, 2-6 cr

7530 Preceptorship in Community Family Medicine
(max crs 4; HNV)
52815 001 CLN, 2-4 cr

7531 Introduction to Healthcare for the Underserved
(max crs 6; HNV)
47936 001 CLN, 08:00am-05:00pm MTWThFSSu, . ROOM TBA, 2-6 cr

7535 Community Health in Family Medicine
(max crs 5; HNV; prereq At least two six-week rotations in medicine or pediatrics or obstetrics or surgery)
48590 001 CLN, 08:00am-05:00pm MTWThFSSu, . ROOM TBA; Kirschner, Abby J, 3-5 cr

7537 Sports Medicine
(max crs 4; HNV)
53582 001 CLN, 3-4 cr

7538 Sports Medicine in Duluth
(HNV; prereq Duluth site: call dept of family medicine at 218-726-7916 at least one month before cancel/add deadline)
53583 001 CLN, 4 cr

7544 Outpatient: HIV Management in Family Medicine
(max crs 3; HNV; prereq Med 7500)
49556 001 CLN, 08:00am-05:00pm MTWThF, . ROOM TBA, 2-3 cr

7560 Alcohol and Drug Addiction Treatment Center
(max crs 3; HNV)
47937 007 CLN, 2-3 cr
### 2105 Methods in Family Research
- Code: 2105 Methods in Family Research
- CRN: 53579
- Section: 001 LEC
- Days: TTh
- Time: 08:45am - 10:00am
- Location: GreenH 110
- Instructor: Marzen, Martinez A

### 2103 Family Policy
- Code: 2103 Family Policy
- CRN: 53595
- Section: 001 LEC
- Days: MWF
- Time: 08:45am - 10:00am
- Location: GMN 110
- Instructor: Stuck, Steven
5014 Quantitative Family Research Methods (max crs; 3; prereq instructor consent) 53410 004 DST; Stum, Marlene Sue, 1-6 cr 53413 007 DST; Gewirtz, Abigail, 1-6 cr 53415 002 DST; Solheim, Catherine Ann, 1-6 cr 53418 011 DST; Stum, Marlene Sue, 1-6 cr 53420 001 DST; Xiong PhD, Zha Blong, 1-18 cr 53424 003 DST; Craft, Shonda Marie, 1-18 cr 53428 001 DST; Harris, Steven Michael, 1-18 cr 53429 009 DST; Axtell, Sara Ann, 1-18 cr 53435 003 DST; Dworkin, Jodi, 1-18 cr 53437 008 DST; Gewirtz, Abigail, 1-18 cr 53439 005 DST; Stum, Marlene Sue, 1-18 cr 53441 006 DST; Danes, Sharon M, 1-18 cr 53443 004 DST; Mc Culloch, B., 1-18 cr 53444 003 DST; Craft, Shonda Marie, 1-18 cr 53445 001 DST; Harris, Steven Michael, 1-18 cr 53447 002 DST; Xiong PhD, Zha Blong, 1-18 cr 53449 006 DST; Gewirtz, Abigail, 1-18 cr 53451 003 DST; Stum, Marlene Sue, 1-18 cr 53453 002 DST; Doherty, William J, 1-18 cr 53454 003 DST; Gewirtz, Abigail, 1-18 cr 53456 001 DST; Xiong PhD, Zha Blong, 1-18 cr 53457 006 DST; Gewirtz, Abigail, 1-18 cr 53459 003 DST; Stum, Marlene Sue, 1-18 cr 53460 004 DST; Solheim, Catherine Ann, 1-18 cr 53462 015 DST; Xiong PhD, Zha Blong, 1-18 cr 53464 011 DST; Rueter, Martha A, 1-18 cr 53465 015 DST; Success, Shonda Marie, 1-18 cr 53469 008 DST; Goodman, William Joseph, 1-18 cr 53470 008 DST; Meyer, Cynthia Jo, 1-18 cr 53471 011 DST; Xiong PhD, Zha Blong, 1-18 cr 53473 007 DST; Gewirtz, Abigail, 1-18 cr 53474 001 DST; Stum, Marlene Sue, 1-18 cr 53475 011 DST; Gewirtz, Abigail, 1-18 cr 53476 013 DST; Gewirtz, Abigail, 1-18 cr 53477 013 DST; Gewirtz, Abigail, 1-18 cr 53478 010 DST; Gewirtz, Abigail, 1-18 cr 53479 008 DST; Gewirtz, Abigail, 1-18 cr 53482 001 DST; Xiong PhD, Zha Blong, 1-18 cr 53483 002 DST; Gewirtz, Abigail, 1-18 cr 53486 001 DST; Xiong PhD, Zha Blong, 1-18 cr 53488 002 DST; Gewirtz, Abigail, 1-18 cr 53489 001 DST; Xiong PhD, Zha Blong, 1-18 cr 53491 007 DST; Gewirtz, Abigail, 1-18 cr 53493 002 DST; Gewirtz, Abigail, 1-18 cr 53494 003 DST; Gewirtz, Abigail, 1-18 cr 53495 009 DST; Gewirtz, Abigail, 1-18 cr 53496 001 DST; Xiong PhD, Zha Blong, 1-18 cr 53497 003 DST; Gewirtz, Abigail, 1-18 cr 53498 005 DST; Gewirtz, Abigail, 1-18 cr 53499 007 DST; Gewirtz, Abigail, 1-18 cr 53500 009 DST; Gewirtz, Abigail, 1-18 cr 53501 005 DST; Solheim, Catherine Ann, 1-18 cr 53502 016 DST; Stum, Marlene Sue, 1-18 cr 56437 017 DST; Wieling, Elizabeth, 1-6 cr 56907 018 DST; Xiong PhD, Zha Blong, 1-6 cr 56908 019 DST; Zuiker, Virginia Solis, 1-6 cr 6777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required) 49662 001 THE; Axtell, Sara Ann, 1-18 cr 53449 002 THE; Bauer, Jean W, 1-18 cr 53450 003 THE; Craft, Shonda Marie, 1-18 cr 53451 004 THE; Danes, Sharon M, 1-18 cr 53452 005 THE; Doherty, William J, 1-18 cr 53453 006 THE; Dworkin, Jodi, 1-18 cr 53454 007 THE; Gewirtz, Abigail, 1-18 cr 53455 008 THE; Goodman, William Joseph, 1-18 cr 53456 009 THE; Harris, Steven Michael, 1-18 cr 53457 010 THE; Mc Culloch, Patricia, 1-18 cr 53458 011 THE; Meyer, Cynthia Jo, 1-18 cr 53459 012 THE; Olson PhD, Patricia Dawn, 1-18 cr 53460 013 THE; Olson PhD, Patricia Dawn, 1-18 cr 53461 014 THE; Rueter, Martha A, 1-18 cr 53462 015 THE; Solheim, Catherine Ann, 1-18 cr 53530 016 THE; Stum, Marlene Sue, 1-18 cr 56438 017 THE; Wieling, Elizabeth, 1-18 cr 59146 018 THE; Xiong PhD, Zha Blong, 1-18 cr 59410 019 THE; Zuiker, Virginia Solis, 1-18 cr 8794 Directed Research in Family Social Science (max crs 12; 10 repeats allowed; prereq Grad FSoS major, instr consent) 47981 001 DRS; Axtell, Sara Ann, 1-6 cr 53333 002 DRS; Bauer, Jean W, 1-6 cr 53334 003 DRS; Craft, Shonda Marie, 1-6 cr 53335 004 DRS; Danes, Sharon M, 1-6 cr 53336 005 DRS; Doherty, William J, 1-6 cr 53337 006 DRS; Dworkin, Jodi, 1-6 cr 53338 007 DRS; Gewirtz, Abigail, 1-6 cr 53339 008 DRS; Goodman, William Joseph, 1-6 cr 53340 009 DRS; Harris, Steven Michael, 1-6 cr 53341 010 DRS; Mc Culloch, B., 1-6 cr 53342 011 DRS; Meyer, Cynthia Jo, 1-6 cr 53343 012 DRS; Olson PhD, Patricia Dawn, 1-6 cr 53344 013 DRS; Rosenblatt, Paul C, 1-6 cr 53345 014 DRS; Rueter, Martha A, 1-6 cr 53346 015 DRS; Solheim, Catherine Ann, 1-6 cr 53530 016 DRS; Stum, Marlene Sue, 1-6 cr 56437 017 DRS; Wieling, Elizabeth, 1-6 cr 59146 018 DRS; Xiong PhD, Zha Blong, 1-6 cr 59410 019 DRS; Zuiker, Virginia Solis, 1-6 cr 8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required) 49060 001 THE; Bauer, Jean W, 1-24 cr 53398 002 THE; Danes, Sharon M, 1-24 cr 53399 003 THE; Doherty, William J, 1-24 cr 53400 004 THE; Dworkin, Jodi, 1-24 cr 53401 005 THE; Gewirtz, Abigail, 1-24 cr 53402 006 THE; Harris, Steven Michael, 1-24 cr 53403 007 THE; Mc Culloch, B., 1-24 cr 53404 008 THE; Mc Culloch, Patricia, 1-24 cr 53405 009 THE; Rueter, Martha A, 1-24 cr 53406 010 THE; Solheim, Catherine Ann, 1-24 cr 53530 016 THE; Stum, Marlene Sue, 1-24 cr 56437 017 THE; Wieling, Elizabeth, 1-24 cr 59146 018 THE; Xiong PhD, Zha Blong, 1-24 cr 59410 019 THE; Zuiker, Virginia Solis, 1-24 cr
**Online Class Schedule**

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

4529 Derivatives II Capstone
- (A-F; prereq 4523, CSM major)
- 58616 001 LEC, 11:00am-10:30pm TTh, CarlsonSmgt 2-233,
  03/19/12-05/04/12; Graveline, Jeremy J, 2 cr
- 4529 Derivatives II Capstone
- (A-F; prereq 4523, CSM major)
- 58618 001 LEC, 11:00am-10:30pm TTh, CarlsonSmgt 2-233,
  03/19/12-05/04/12; Graveline, Jeremy J, 2 cr
4002 Beginning Finnish
(Credit will not be granted if credit has been received for:
4003 Preliminary Finnish
For the purpose of receiving credit for 4004 Intermediate Finnish
(Credit will not be granted if credit has been received for:
FIN 1004; Karvonen, Daniel, 2 cr
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
### 4311 Chemical Reactions in Food Systems

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Meeting Time</th>
<th>Location</th>
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<tr>
<td>46340 001</td>
<td>15:30-16:25 M, F, StPAUL</td>
<td>Capstone, Jillian Kathleen</td>
<td>3</td>
<td>MWF 11:45-12:35</td>
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<td>46340 002</td>
<td>15:30-16:25 M, F, StPAUL</td>
<td>Capstone, Jillian Kathleen</td>
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<td>MWF 11:45-12:35</td>
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### 4330 Research Topics

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<td>50116 001</td>
<td>15:30-16:25 M, F, StPAUL</td>
<td>Capstone, Jillian Kathleen</td>
<td>3</td>
<td>MWF 11:45-12:35</td>
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### 3331 Geographical Information Systems (GIS) for Natural Resources

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<td>50680 001 DST</td>
<td>09:00-10:25 M, F, StPAUL</td>
<td>Capstone, Jillian Kathleen</td>
<td>3</td>
<td>MWF 11:45-12:35</td>
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### 3203 Forest Fire and Disturbance Ecology

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<tr>
<td>50641 002 DST</td>
<td>08:45-10:00 M, F, StPAUL</td>
<td>Capstone, Jillian Kathleen</td>
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<td>MWF 11:45-12:35</td>
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### 3218 Measuring and Modeling Forests

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<td>50645 001 DST</td>
<td>08:45-10:00 M, F, StPAUL</td>
<td>Capstone, Jillian Kathleen</td>
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<tr>
<td>48531 001</td>
<td>DRS; Brooks, Kenneth N</td>
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<td>TTh, Gnh 19</td>
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<tr>
<td>48541 001</td>
<td>DRS; Frech, Lee E, 1-5 cr</td>
<td>02 RS; Montgomery, Rebecca Anne, 1-5 cr</td>
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<td>48555 002</td>
<td>DRS; Eckman, Karyl, 1-5 cr</td>
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<tr>
<td>8104 Research Problems: Forest Ecology (max crs 5)</td>
<td>48531 001 DRS; Frech, Lee E, 1-5 cr</td>
<td>02 RS; Montgomery, Rebecca Anne, 1-5 cr</td>
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<tr>
<td>8105 Research Problems: Silviculture (max crs 5)</td>
<td>48533 001 DRS; D’Amato, Anthony William, 1-5 cr</td>
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<tr>
<td>8106 Research Problems: Urban Forestry–Biology and Management (max crs 5)</td>
<td>48534 001 DRS; Johnson, Gary, 1-5 cr</td>
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<tr>
<td>8107 Seminar: Forest Resources (max crs 5)</td>
<td>48535 001 DRS; Becker, Dennis R, 1-5 cr</td>
<td>02 RS; D’Amato, Edward, 1-5 cr</td>
<td>5 cr</td>
<td>09:35am-10:25am</td>
<td>GrnH 19</td>
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<tr>
<td>8107 Research Problems: Environmental Learning and Leadership (max crs 5)</td>
<td>48536 001 DRS; Burk, Thomas Edward, 1-5 cr</td>
<td>02 RS; D’Amato, Edward, 1-5 cr</td>
<td>5 cr</td>
<td>10:40am-11:30am</td>
<td>GrnH 203</td>
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<tr>
<td>8201 Research Problems: Forest Ecology (max crs 5)</td>
<td>48535 001 DRS; Becker, Dennis R, 1-5 cr</td>
<td>02 RS; D’Amato, Edward, 1-5 cr</td>
<td>5 cr</td>
<td>01:15pm-02:05pm</td>
<td>FolH 203</td>
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<tr>
<td>8202 Research Problems: Forest Biometry and Measurements (max crs 5)</td>
<td>48536 001 DRS; Burk, Thomas Edward, 1-5 cr</td>
<td>02 RS; D’Amato, Edward, 1-5 cr</td>
<td>5 cr</td>
<td>02:30pm-03:20pm</td>
<td>FolH 105</td>
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<tr>
<td>8203 Research Problems: Forest Recreation (max crs 5)</td>
<td>48537 001 DIS; Bur, Thomas Edward, 1-5 cr</td>
<td>02 RS; D’Amato, Edward, 1-5 cr</td>
<td>5 cr</td>
<td>03:45pm-04:35pm</td>
<td>FolH 115</td>
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<tr>
<td>8204 Research Problems: Forest Policy (max crs 10; 4 repeats allowed)</td>
<td>48538 001 DRS; Becker, Dennis R, 1-5 cr</td>
<td>02 RS; D’Amato, Edward, 1-5 cr</td>
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<tr>
<td>8205 Research Problems: Spatial Data Analysis (max crs 10; 10 repeats allowed; prereq instr consent)</td>
<td>48539 001 DRS; Becker, Dennis R, 1-5 cr</td>
<td>02 RS; D’Amato, Edward, 1-5 cr</td>
<td>10 cr</td>
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<td>8206 Research Problems: Forest Management (max crs 5)</td>
<td>48540 001 DRS; Becker, Dennis R, 1-5 cr</td>
<td>02 RS; D’Amato, Edward, 1-5 cr</td>
<td>5 cr</td>
<td>07:15pm-08:05pm</td>
<td>FolH 115</td>
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<tr>
<td>8207 Economic Analysis of Natural Resource Projects (A-F only; prereq instr consent)</td>
<td>51263 001 DIS; Becker, Dennis R, 1-5 cr</td>
<td>02 RS; D’Amato, Edward, 1-5 cr</td>
<td>5 cr</td>
<td>08:15pm-09:05pm</td>
<td>FolH 115</td>
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<tr>
<td>8208 Research Problems: Environmental Learning and Leadership (max crs 5; prereq instr consent)</td>
<td>52808 002 DRS; Current, Dean Alan, 1-5 cr</td>
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<tr>
<td>8209 Research Problems: Urban Forestry–Biology and Management (max crs 5)</td>
<td>52823 002 DIS; Kiyono, Mike, 1-5 cr</td>
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<tr>
<td>1002 Beginning French (max crs 5; prereq 1001 or equivalency)</td>
<td>52824 002 DIS; Current, Dean Alan, 1-5 cr</td>
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<tr>
<td>1003 Intermediate French (max crs 5; prereq 1002 or Entrance Proficiency Test)</td>
<td>52825 003 DIS; Current, Dean Alan, 1-5 cr</td>
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<tr>
<td>1004 Intermediate French (max crs 5; prereq 1003 or Entrance Proficiency Test)</td>
<td>52828 003 DIS; Current, Dean Alan, 1-5 cr</td>
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<tr>
<td>3014 French Phonetics (prereq 1004)</td>
<td>52831 003 DIS; Current, Dean Alan, 1-5 cr</td>
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<tr>
<td>3015 Advanced French Grammar and Communication (prereq 1004 or equivalency)</td>
<td>52832 003 DIS; Current, Dean Alan, 1-5 cr</td>
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<tr>
<td>3016 Advanced French Composition and Communication (prereq 1005 or equivalency)</td>
<td>52834 003 DIS; Current, Dean Alan, 1-5 cr</td>
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<tr>
<td>3012 The Language and Culture of Business in France (prereq 3015 and completion of 3016 recommended)</td>
<td>52835 003 DIS; Current, Dean Alan, 1-5 cr</td>
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<tr>
<td>3101W Methods in French and Francophone Studies (prereq 3015 or equivalency)</td>
<td>52836 003 DIS; Current, Dean Alan, 1-5 cr</td>
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</tbody>
</table>

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
### University of Minnesota - Class Schedule for Twin Cities Campus

**Spring 2012**

**Online Class Schedule** at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

**8888 Thesis Credit: Doctoral**
- [max crs 10; 10 repeats allowed; prerequisite Max A only]
- [max crs 18; 24 repeats required]

**18 cr per semester or summer; 24 cr required**
- 49084 001 THE; 1-24 cr

### 8990 Directed Teaching
- [max crs 25; 25 repeats allowed; prerequisite instr consent]
- 47326 001 PRC; 1-5 cr

### 8992 Directed Readings for Graduate Students
- [max crs 25; 25 repeats allowed; prerequisite instr consent]
- 47325 001 RDR; 1-5 cr

### 8994 Directed Research
- [max crs 25; 25 repeats allowed; may be taken as tutorial with instr consent]
- 48071 001 DRS; 1-5 cr

### 3340 Topics in Modern French Literature
- [max crs 9; 3 repeats allowed; prerequisite FREN 3101]
- 60770 001 LEC; 09:45am-11:00am TTh, FolH 28; Chouaout, Bruno; 3 cr

### 3350 Topics in Literature
- [max crs 9; 3 repeats allowed; prerequisite FREN 3101]
- 60771 001 LEC; 11:15am-12:30pm TTh, AkerH 225; Abdorzezak, Haim; 3 cr

### 3531 Sociolinguistics of French
- [credit will not be granted if credit has been received for: FREN 5331; prerequisite 2015, Ling 3001 or instr consent; meets CLE req of Global Perspectives]
- 68808 001 DIS; 04:00pm-05:15pm MW, FolH 123; Meets with: 68843 FREN 5531; Kern, Betsy Jean; 3 cr

### 3650 Topics in French/Francophone Cultures
- [max crs 9; 3 repeats allowed; prerequisite FREN 3105]
- 54636 001 DIS; 01:25pm-02:15pm M, FolH 108; Noakes, Susan J; 3 cr

### 4970 Directed Readings
- [max crs 9; 9 repeats allowed; prerequisite instr consent]
- 47355 001 DRT; 1-4 cr

### 5034 Directed Reading
- [max crs 12; 4 repeats allowed]
- 49587 001 SEM; 02:30pm-05:00pm M, Tchanhvil, Juliette; 3 cr

### 5301 Critical Issues in French Studies
- [preparation Grad or instr consent]
- 58349 001 SEM; 02:30pm-05:00pm T, VinH 213; Chertubin, Juliette; 3 cr

### 5531 Sociolinguistics of French
- [credit will not be granted if credit has been received for: FREN 5331; prerequisite instr consent; credit received for: 5331: Ling 3001 or 5001, grad]
- 68843 001 DIS; 04:00pm-05:15pm MW, FolH 123; Meets with: 68808 FREN 3531; Kern, Betsy Jean; 3 cr

### 8270 Critical Issues: Prose
- [max crs 12; 4 repeats allowed]
- 49557 001 SEM; 02:30pm-05:00pm Th, Room TBA; TCEASTBANK; Abdorzezak, Haim; 3 cr

### 8290 Critical Issues: Perspectives on an Author
- [max crs 12; 4 repeats allowed]
- 68164 001 LEC; 02:30pm-05:00pm W, FolH 31; Franklin-Brown, Mary; 3 cr

### 8333 FTE: Master's
- [NGA; prerequisite Master's student, adviser and DGS consent]
- 49935 001 THE; 1 cr

### 8444 FTE: Doctoral
- [NGA; prerequisite Doctoral student, adviser and DGS consent]
- 49944 001 THE; 1 cr

### 8666 Doctoral Pre-Thesis Credits
- [max crs 12; NGA; prerequisite Doctoral student who has not passed prescribed pre-requisites and who does not have required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd-4th registrations, up to 24 combined cr; student admitted before summer 2007 may register up to four times, up to 60 combined cr]
- 49539 001 THE; 1-6 cr

### 8777 Thesis Credits: Master's
- [max crs 50; 10 repeats allowed; NGA; prerequisite Max 18 cr per semester or summer; 10 cr total required (Plan A only)]
- 49660 001 THE; 1-18 cr

### 8888 Thesis Credit: Doctoral
- [max crs 100; 10 repeats allowed; NGA; prerequisite Max]

### 1002 Politics of Sex
- [meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences]
- 001 LEC; 10:00am-11:00am WF, STSS 412; Desai, Jigna; 3 cr

### 58835 001 DIS; 01:25pm-02:15pm WF, CivE 212; Desai, Jigna; 3 cr

### 68506 001 DIS; 01:25pm-02:15pm M, FordH 810; Lewis, Brittnie Mchell; 3 cr

### 68537 003 DIS; 02:00pm-03:00pm M, Nichit 355; Lewis, Brittnie Mchell; 3 cr

### 1905 Freshman Seminar
- [max crs 6; A-F only; prerequisite freshman]
- 68732 001 SEM; 09:45am-11:00am Th, FordH 170; Zita, Jacobyn N; 3 cr

### 3102W Feminist Thought and Theory.
- [meets CLE req of Arts/Humanities; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive]
- 68540 001 LEC; 02:30pm-03:45pm TTh, FordH 151; Petocz, Jessica Marie; 3 cr

### 3203W Blood, Bodies and Science
- [meets CLE req of Social Sciences; meets CLE req of Technology and Society; meets CLE req of Writing Intensive]
- 69330 001 LEC; 12:45pm-02:00pm TTh, AkerH 225; Zita, Jacobyn N; 3 cr

### 3303W Writing Differences: Literature by U.S. Women of Color
- [meets CLE req of Diversity and Soc Justice US; meets CLE req of Literature; meets CLE req of Writing Intensive]
- 68733 001 DIS; 09:45am-11:00am TTh, CockeH 214; Pu, Xiumei; 3 cr

### 3306 Pop Culture Women
- [meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US]
- 55500 001 DIS; 06:20pm-08:50pm Th, FordH 151; Swift, Jayne A; 3 cr

### 3404 Transnational Sexualities
- [credit will not be granted if credit has been received for: GLBT 3404; meets CLE req of Global Perspectives]
- 59535 001 LEC; 11:15am-12:30pm TTh, FordH 130; Meets with: 59603 GLBT 3404; Dutta, Aniruddha; 3 cr

### 3406 Gender, Labor, and Politics
- [meets CLE req of Global Perspectives; meets CLE req of Social Sciences]
- 68729 001 LEC; 02:30pm-03:45pm TTh, Rapsohit 58; Torres PhD, Eden E; 3 cr

### 3409W Asian American Women’s Cultural Production
- [credit will not be granted if credit has been received for: AAS 3409W; meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive]
- 69119 001 DIS; 06:20pm-08:50pm T, FordH 110; Kareem Albrecht, Charlotte; 3 cr

### 3993 Directed Study
- [max crs 12; 9 repeats allowed; prerequisite instr consent, dept consent, college consent]
- 52726 002 DRT; 1-12 cr

### 3994 Directed Research
- [max crs 12; prerequisite instr consent, dept consent, college consent]
- 50342 001 DRS; 1-12 cr

### 4001 Nations, Empires, Feminisms
- [meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive]
- 68641 001 SEM; 01:00pm-02:15pm MW, Room TBA; TCEASTBANK; Murthy, Pashmina V; 3 cr

### 4198W Senior Seminar: Writing
- [prerequisite W [r or sr]; meets CLE req of Writing Intensive]
- 51132 001 THE; 1-12 cr

### 4401 Chicana/Latina Cultural Studies
- [meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US]
- 68542 001 LEC; 11:15am-12:30pm TTh, Amundh 240; Torres PhD, Eden E; 3 cr

### 9480 Directed Instruction
- [max crs 12; 12 repeats allowed]
- 50506 001 INI; 1-8 cr

### 9493 Directed Study
- [max crs 10; prerequisite Filled out student/faculty contract, instr consent, dept consent, college consent]
online Class Schedule.

online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the

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5153 Advanced General Dentistry Seminar III (max crs 10; S-N only)
50048 001 SEM; Gambucci, James Robert, 2-10 cr

5256 Advanced General Dentistry Clinical Seminar III (max crs 15; S-N only)
50049 001 CLN; Gambucci, James Robert, 5-15 cr

5263 Advanced General Dentistry Clinical Seminar III (max crs 10; S-N only)
Expression
(AF; prereq MCGIS student or instr consent)
49125 001 DIS, 08:00am-09:55am T, MCB 2-120; McIvor, R Scott; Hackett Jr, Perry B; Largaespada, David Andrew, 2 cr
8014 Small RNA Biology
(AF only; prereq MICA 8004 or BIOC 8002 or equiv or instr consent)
69130 001 LEC, 10:00pm-02:30pm Th., AHC RM TBA; Meets with: 58135 GEOG 8004, 69049 NCS 8014, 69270 PHCL 8014; Subramanian PhD, Subrene, 2 cr
8073 Advanced Human Genetics
(prereq 8311 or BIOC 4003 or instr consent)
48768 001 LEC, 09:00am-09:55am MW, STSS 121; Koobi, Michael D; Marahrens, York H, 3 cr
8131 Advanced Genetics and Genomics
(prereq [3022 or BIOC 4003], [BIOC 3021 or BIOC 4331] or instr consent)
54825 001 LEC, 02:30pm-03:20pm MW, MCB 2-120; Gressens, Maria; Gromiak, Vicki; Voytas, Daniel F; Simon, Jeffrey A, 3 cr
8161 Advanced Developmental Biology
(prereq [4003 or 8121 or BIOC 8002], [8131 or BIOC 4003], [BIOC 4004] or instr consent)
47661 001 LEC, 02:30pm-03:45pm TTh, MCB 2-120; Gammill, Mariam L; Susan, 3 cr
9800 Computing and Programming
(max crs 4; 4 repeats allowed; S-N only; prereq Grad MCDG major or instr consent)
48679 001 SEM, 11:30am-12:00pm Th, Room TBA, TCEASTBANK. 01/12/15-02/17/12; GCD Seminar, 1-2 cr
52529 002 SEM, 04:00pm-05:00pm Th, Room TBA, TCEASTBANK. 01/17/15-02/03/12; Human Genetics Seminar; Koobi, Michael D, 1-2 cr
9812 Genetic Counseling in Practice
(AF only; prereq MCDG MS student with genetic counseling specialization or instr consent)
56445 001 LEC, 02:00pm-03:40pm TTh, Moos T 4-128; Ahrens, Mary Jarvis, 4 cr
9814 Ethical and Legal Issues in Genetic Counseling
(AF only; prereq MCDG MS student with genetic counseling specialization or instr consent)
47662 001 LEC, 09:00am-11:30am F, MoosT 4-128; Meets with: 56902 BTHX 8114; LeRoy, Bonnie S, 3 cr
9820 Special Topics
(max crs 8; prereq Grad MCDG major or instr consent)
69828 001 DIS, 1-4 cr; A-F; Genetics and Reproduction: Law and Ethics
9893 Directed Studies
(max crs 15; 15 repeats allowed; prereq MCDG MS student with genetic counseling specialization or instr consent)
48085 001 DST; Hirsch, Betsy Anne, 1-5 cr
60700 002 DST; LeRoy, Bonnie S, 1-5 cr
9894 Research
(max crs 20; 20 repeats allowed; S-N only; prereq MCDG MS student with genetic counseling specialization)
48086 001 DRS, 12:30pm-01:30pm Th, MoosT 4-128; LeRoy, Bonnie S, 1-5 cr
5530 GIS Internship
(max crs 6; S-N; prereq instr consent, strong GIS/mapping skills)
57735 001 IEX, McMaster, Susanna Akiko, 1-3 cr
5572 ArcGIS II
(prereq [5571, GEOG 5561 or equiv], in MGIS program or instr consent)
50700 1001 LEC, 06:00pm-08:00pm Th, BlegH 455; Lindberg, Mark B, 3 cr
5575 Surveying and the Global
5580 001 DIS, 06:00pm-08:00pm Th, BlegH 455; Lindberg, Mark B, 3 cr
5577 Spatial Database Design and Administration
(prereq instr consent)
001 LEC
5972 002 001 LAB, 06:20pm-08:30pm W, BlegH 455; Wood, Kurt Lyman, 3 cr
5578 GIS Programming
(prereq MGIS student or instr consent)
52082 1001 LEC, 06:20pm-08:30pm T, BlegH 455; Swobodzinski, Martin, 3 cr
8990 Research Problems in GIS
(max crs 6; 3 repeats allowed. A-F; prereq MGIS student or instr consent)
92747 002 DRS; McMaster, Susanna Akiko, 2-6 cr
60133 003 DRS; Lindberg, Mark B, 2-6 cr
Positioning System (GPS)
(prereq [GEOG 5561 or equiv, in MGIS program] or instr consent)
47517 001 LEC, 06:20pm-08:30pm M, BlegH 445; Zenk, David A, 2 cr
4103 lab sections do not meet the first week of classes.; 4 cr
55245 016 LAB, 10:10am-12:05pm T, BlegH 440; Geog 1403 lab sections do not meet the first week of classes.; 4 cr
55246 017 LAB, 08:00am-09:55am M, BlegH 455; Geog 1403 lab sections do not meet the first week of classes.; 4 cr
55247 018 LAB, 02:30pm-04:25pm Th, HHICtr 50B; Geog 1403 lab sections do not meet the first week of classes.; 4 cr
1425 Introduction to Meteorology
(Credit will not be granted if credit has been received for: ESPM 1425; prereq High school algebra; meets CLE req of Environment; meets CLE req of Physical Sciences)
001 LEC, 03:35pm-04:25pm MW, STSS 412; Meets with: 47001 ESPM 1425; Snyder, Peter K; Twine, Tracy E
54200 1002 LAB, 04:40pm-05:30pm M, STSS 412; 20 seats reserved for FRFY - Freshman Full YR Regist.; Meets with: 52864 ESPM 1425; Snyder, Peter K; Twine, Tracy E, 4 cr
55012 003 LAB, 04:40pm-05:30pm W, STSS 412; 20 seats reserved for FRFY - Freshman Full Yr Regist.; Meets with: 54979 ESPM 1425; Snyder, Peter K; Twine, Tracy E, 4 cr
1502 Mapping Our World
(AF; prereq Pr; meets CLE req of Environment)
69074 001 SEM, 12:45pm-02:00pm TTh, HHICtr 184; Kipluemmer, Kurt, 3 cr
1901 Freshman Seminar
(prereq freshman)
69604 001 LEC, 3 cr
69605 002 LEC, 3 cr
1973 Geography of the Twin Cities
(Credit will not be granted if credit has been received for: GEO 1009, GEOG 3973; meets CLE req of Social Sciences)
52086 001 LEC, 09:45am-11:00am TTh, AndH 330; Meets with: 52088 GEOG 3973; Pentel, Paula R, 3 cr
3101 Geography of the United States and Canada
(Credit will not be granted if credit has been received for: GLOS 3201; meets CLE req of Social Sciences)
59304 001 LEC, 01:25pm-02:15pm MW, BlegH 425; Saldanha, Arun, 3 cr
3371W Cities, Citizens, and Communities
(meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive;)
51111 001 LEC, 09:45am-11:00am TTh, AndH 230; Henderson, George Lawler, 4 cr
3379 Environment and Development in the Third World
(Credit will not be granted if credit has been received for: GLOSS 3201; A-F only; prereq Soph or jr or sr; meets CLE req of Environment; meets CLE req of Social Sciences)
54673 001 LEC, 07:00am-08:00am Th, AndH 350; Meets with: 54728 GLOSS 3201.; 3 cr
3381W Population in an Interacting World
(meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive)
54674 001 LEC, 08:15am-09:30am TTh, AndH 230; Meets with: 55102 GLOSS 3701W.; 4 cr
3401 Geography of Environmental Systems and Global Change
(Credit will not be granted if credit has been received for: GEOG 5401; meets CLE req of Environment)
52087 001 LET, 10:10am-11:00am MW, AndH 230; Meets with: 53641 GEOG 5401; Klink, Katharine, 4 cr
3411W Geography of Health and Health
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5411 Geography of Health and Health Care
(Credit will not be granted if credit has been received for: GECO 4141; meets CLE req of Writing Intensive)
69599 001 LEC, 12:45pm-02:00pm TTH, WBU AUDITORIUM; Meets with: 69525 GEOG 4311W; Neely, Abigail Helen, 4 cr

5431 Plant and Animal Geography
(Credit will not be granted if credit has been received for: GECO 4341; meets CLE req of Writing Intensive)
69222 001 LEC, 09:45am-11:00am TTH, BlegH 135; Meets with: 69222 GEOG 4341; Kipfmuller, Kurt, 3 cr

3523 Digital Mapping: Introduction to Making Online Maps for the Humanities and Sciences
61904 001 LEC, 03:15pm-05:15pm T, HHCHtr 505; Harvey, Frances, 3 cr

3973 Geography of the Twin Cities
(Credit will not be granted if credit has been received for: GEO 1099, GEOG 1973; meets CLE req of Social Sciences)
52086 001 LEC, 09:45am-11:00am T, AndH 330; Meets with: 52086 GEOG 1973; Pentel, Paula R, 3 cr

3985V Honors Senior Project Seminar (prereq Honors; instr consent; meets CLE req of Writing Intensive; meets HON req of Honors)
48798 001 SEM, 02:30pm-04:25pm MW, BlegH 115; Meets with: 48637 GEOG 2969W; Hart, John Fraser, 4 cr

3985W Senior Project Seminar (prereq [instructor]; inst consent; meets CLE req of Writing Intensive)
46637 001 SEM, 02:30pm-04:25pm MW, BlegH 115; Meets with: 46637 GEOG 2969W; Hart, John Fraser, 4 cr

3992 Directed Reading (max crs 12; 10 repeats allowed; prereq instr consent; dept consent, college consent)
47649 001 DRD, 1-8 cr

3993 Directed Studies (max crs 12; 10 repeats allowed; prereq instr consent; dept consent, college consent)
47648 001 DST, 1-8 cr

3993H Honors: Directed Studies (max crs 12; 10 repeats allowed; prereq Honors, instr consent, dept consent, college consent; meets HON req of Honors)
50009 001 DST, 5 seats reserved for CLA honors student, 1-8 cr

3994 Directed Research (max crs 12; 10 repeats allowed; prereq instr consent, dept consent, college consent)
47650 001 DRS, 1-8 cr

3994H Honors: Directed Research (max crs 12; 10 repeats allowed; prereq Honors, instr consent, dept consent, college consent; meets HON req of Honors)
50010 001 DRS, 5 seats reserved for CLA honors student, 1-8 cr

4001Modes of Geographic Inquiry
59593 001 LEC, 4 cr

4002W Environmental Thought and Practice (prereq Jr or sr; meets CLE req of Writing Intensive)
55519 001 LEC, 12:45pm-02:00pm MW, HMH 1-111; Braun, Bruce Philip, 3 cr

5393 Rural Landscapes and Environments
46109 001 LEC, 01:25pm-02:15pm MWF, WBU 260; Hart, John Fraser, 4 cr

5401 Geography of Environmental Systems and Global Change (Credit will not be granted if credit has been received for: GEOG 3401; prereq grad student or instr consent)
53641 001 LEC, 10:10am-11:00am MWF, AndH 230; Meets with: 53087 GEOG 3401; Klink, Katherine, 4 cr

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3301 Soil Mechanics I  (A-F only; prereq: AEM 3031, CSE student)  001 LEC, 12:00pm-02:15pm TTh, Phys 133; Meets with: 46248 CE 3301; Guzina, Bojan B, 1-5 cr 52257 002 LAB, 04:00pm-06:00pm M, CivE 350; Meets with: 50138 CE 3301; Guzina, Bojan B, 3 cr 52258 003 LAB, 08:00am-09:55am W, CivE 350; Meets with: 46251 CE 3301; Guzina, Bojan B, 3 cr 52260 005 LAB, 04:00pm-06:00pm Th, CivE 350; Meets with: 50138 CE 3301; Guzina, Bojan B, 3 cr 53876 006 LAB, 09:00am-11:00am F, CivE 350; Meets with: 53876 CE 3301; Guzina, Bojan B, 3 cr

7100 Advanced Clinical Geriatric Dentistry  (max crs 10; A-F only)  48429 001 CLN; Shuman, Stephen K, 1-10 cr
7210 Geriatric Hospital Dentistry  (max crs 6)  48442 001 CLN; Oftehage, John Charles, 1-6 cr

410W Capstone Design  (A-F only; prereq: CE 4301, CE 4401, CE 4501, CE 4502; meets CLE req of Writing Intensive)  46173 001 LEC, 04:00pm-05:15pm TTh, CivE 210; Meets with: 46081 CE 410W; Lemer, Cherie M; Strack PhD, Otto D, 4 cr  46172 002 LEC, 04:00pm-05:15pm TTh, CivE 212; Meets with: 46081 CE 410W; Lemer, Cherie M, 4 cr 52909 003 LEC, 4 cr

GERMAN (Ger)  320 Folwell Hall, 9 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455 612/625-2080, http://www.gsd.umn.edu

3312 German Civilization and Culture: 1700 to the Present  (meets CLE req of Writing Intensive)  47506 001 DIS, 01:25pm-02:15pm MWF, Fohl 28; Rothe, Matthias, 3 cr
3313 Selected Readings in German Intellectual History  (prereq 3001)  65927 001 DIS, 04:00pm-05:15pm TTh, Fohl 32; Teraoaka, Arlene A, 3 cr
3704 German Diatks  (prereq 1004)  65833 DIS, 02:30pm-03:45pm TTh, Fohl 123; Liberman, Anatoly, 3 cr
3993 Directed Studies  (max crs 12; 12 repeats allowed; prereq instr consent, dept consent, college consent)  47531 001 DST, 1-4 cr
4001 Beginning German  (prereq Grad student)  55248 001 DIS, 08:00am-08:50am MWF, Fohl 123; Meets with: 47028 GER 1001, 2 cr 55249 002 DIS, 09:05am-09:55am MWF, Fohl 123; Meets with: 47028 GER 1001, 2 cr 55250 003 DIS, 12:15pm-12:25pm MWF, Fohl 123; Meets with: 47033 GER 1001, 2 cr 55251 004 DIS, 08:00am-08:50am MWF, Fohl 108; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 55257 GER 4001; 5 cr

4002 Intermediate German  (prereq 1002 or Entrance Proficiency Test)  47094 001 DIS, 08:00am-09:50am MWTHF, Fohl 32; Meets with: 55269 GER 4002; 5 cr 47092 002 DIS, 08:00am-09:50am MWTHF, Fohl 32; Meets with: 55269 GER 4002; 5 cr 47093 003 DIS, 12:20pm-01:10pm MWTHF, Fohl 32; Meets with: 55269 GER 4002; 5 cr 47094 004 DIS, 02:30pm-03:20pm MWTHF, Fohl 32; Meets with: 55269 GER 4002; 5 cr 47095 005 DIS, 06:20pm-08:25pm MTH, Fohl 101; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 55257 GER 4002; 5 cr

4003 Intermediate German  (prereq Grad student)  55252 001 DIS, 08:00am-09:50am MWTHF, Fohl 32; Meets with: 47028 GER 1001, 2 cr 55253 002 DIS, 09:05am-09:55am MWTHF, Fohl 32; Meets with: 47033 GER 1001, 2 cr 55254 003 DIS, 12:15pm-12:25pm MWTHF, Fohl 32; Meets with: 47033 GER 1001, 2 cr 55255 004 DIS, 08:00am-08:50am MWTHF, Fohl 108; Meets with: 54631 GER 1001; 2 cr 55256 005 DIS, 06:20pm-08:25pm MTH, Fohl 101; 2 seats reserved for non-PSEO, non-admitted student; Meets with: 55257 GER 4001; 5 cr

501 Beginning German  (prereq 1004)  50183 001 DIS, 05:30pm-08:00pm W, Fohl 107, 3 cr

3014 German Media  (prereq 3001)  50183 001 DIS, 05:30pm-08:00pm W, Fohl 107, 3 cr
3021 Business German  (prereq 3001 or equiv)  52043 001 DIS, 06:02pm-08:35pm M, Kohli 136; 3 seats reserved for non-PSEO, non-admitted student, 3 cr
3104W Reading and Analysis of German Literature  (prereq 3001; meets CLE req of Literature; meets CLE req of Writing Intensive)  47593 001 DIS, 12:45pm-02:00pm TTh, Nichil 355; Teraoaka, Arlene A, 3 cr 65926 002 DIS, 04:00pm-05:15pm MW, Fohl 18; Hueser, Rembert, 3 cr
3410 German Literature Before 1750  (max crs 9; 3 repeats allowed; prereq 3001)  68221 001 DIS, 11:15am-12:30pm TTh, Fohl 10; Firchow, Evelyn S, 3 cr
3501 Contemporary Germany  (prereq 3001)  67314 001 SEM, 02:30pm-12:01pm MW, Nichil 145; Melin, Charlotte Ann, 3 cr
3512W German Civilization and Culture: 1700 to the Present  (meets CLE req of Writing Intensive)  47506 001 DIS, 01:25pm-02:15pm MWF, Fohl 28; Rothe, Matthias, 3 cr
3631 Jewish Writers and Rebels in German, Austrian, and American Culture  (Credit will not be granted if credit has been received for: JWST 3631, CSCL 3631; prereq: No knowledge of German required; or toward major or minor requires reading in German)  65928 001 DIS; Meets with: 69185 JWST 3631, 3 cr

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
4004 Intermediate German
(prepara Grad student)
55620 001 DIS, 08:00am-09:20am MWF, FohH 122; Meets with: 47091 GER 1004, 2 cr
55625 002 DIS, 10:10am-11:30am MWF, FohH 122; Meets with: 47092 GER 1004, 2 cr
55624 003 DIS, 12:20pm-01:10pm MWF, FohH 112; Meets with: 47093 GER 1004, 2 cr
55625 004 DIS, 01:25pm-02:15pm MWF, FohH 32; Meets with: 47094 GER 1004, 2 cr
55626 1005 DIS, 06:20pm-07:20pm MWF, FohH 18; Meets with: 47095 GER 1004, 2 cr

4040 German Play: Oral Interpretation and Performance of German
(max crs 9; 3 repeats allowed)
69590 001 PRC, 03:35pm-06:00pm F, FohH 107; Rothe, Mattias, 1-3 cr
5150 Topics in Contemporary German Culture
(max crs 3; 3 repeats allowed; prereq: spring 2011)
69129 1001 SEM, 05:00pm-07:30pm Tn, Nichhi 120; No German required. Wollberg, Barbara, 3 cr

5191 Independent Study: Gerontology
(max cr 16; 4 repeats allowed; OPI; prereq: approval of the Director of Undergraduate Studies) [for gerontology minor]
59461 001 IND; Ferrington, Deborah Ann, 1-4 cr

6020 Seminar in Gerontology
(S-N; prereq instr consent)
58509 001 SEM, 09:00am-11:00am M, Room TBA, TCEASTBANK; Thompson PhD, LaDora V; Ferrington, Deborah Ann, 2 cr

GLOBAL STUDIES (GloS)
214 Social Science, 267 19th Ave S, West Bank Campus, Minneapolis, MN, 55455
612/624-9007, http://igs.cia.umn.edu

1904 Freshman Seminar
(A-F only; prereq: freshmen; meets CLE req of Global Perspectives)
68830 001 LEC, 02:30pm-04:35pm TTh, BlegH 140; Meets with: 68766 SOC 1904; Bian, Yanjie, 3 cr; A-F; Chinese Society: A Sociological Introduction

3145 Theoretical Approaches to Global Studies
(Credit will not be granted if credit has been received for: GLOS 3145, A-F only; prereq [6 cr in social sciences including [1015W or GEOG 1301 or HIST 1012 or HIST 1016 or POL 1025] or instr consent], global studies major]
50574 001 LEC, 10:10am-11:00am MW, AndH 270; Meets with: 49173 GLOS 3145; Skaria, Ajay, 4 cr
50575 002 DIS, 10:10am-11:00am F, BlegH 115; Giusti, Jessica, 4 cr
50576 003 DIS, 10:10am-11:00am F, BlegH 175; Masakure, Clement, 4 cr
50577 005 DIS, 11:15am-12:15pm F, BlegH 340; Masakure, Clement, 4 cr
50578 006 DIS, 11:15am-12:15pm F, BlegH 366; Blumberg, Renata A, 4 cr
50578 007 DIS, 11:15am-12:15pm F, BlegH 410; Masakure, Clement, 4 cr
50579 008 DIS, 11:15am-12:05pm F, BlegH 210; Blumberg, Renata A, 4 cr
50580 009 DIS, 11:15am-12:05pm F, Skaria, Ajay, 4 cr

3145H Theoretical Approaches to Global Studies
(Credit will not be granted if credit has been received for: GLOS 3145, A-F only; prereq [6 cr in social sci including at least one of the following [1015W or GEOG 1301 or HIST 1012 or HIST 1016 or POL 1025], GLOS honors student] or instr consent; meets HON req of Honors]
5001 LEC, 10:10am-11:00am MW, AndH 270; Meets with: 47278 GLOS 3145; Skaria, Ajay, 4 cr

3303 Environment and Development in the Third World
(Credit will not be granted if credit has been received for: GEG 3379, A-F only; prereq [6 cr or successful completion of foundations course], current or anticipated TA assignment]
54702 001 LEC, 05:00pm-06:00pm Th, AndH 350; Meets with: 54673 GEGO 3379; , 3 cr

3305 Life for Sale: Global Debates on Environment, Science, and Society
(A-F; prereq: pass at least soph)
68845 001 LEC, Craddock, Susan L, 3 cr

3402 Human Rights Internship
(A-F only; prereq 3401, instr consent)
52634 001 LET, 01:25pm-02:30pm M, BlegH 230; Frey, Barbara A, 3 cr

3550V Honors Course: Supervised Research Paper
(A-F; prereq dept consent; meets CLE req of Writing Intensive; meets HON req of Honors)
50013 001 SEM; Meets with: 47754 GLOS 3918W; McLean, Stuart J, 4 cr

3602 Other Worlds: Globalization and Culture
(A-only; prereq [3101, 3144] or instr consent)
50014 001 LEC, 3 cr

3613W Food, Culture, and Society
(Credit will not be granted if credit has been received for: SOC 3613W; A-F; meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive)
69010 001 LEC, 11:15am-12:30pm TTh, BlegH 230; Meets with: 59658 GEOG 3900, 68847 SOC 3613W; Cadieux, Kirsten Valentine, 3 cr

3643 Islam and the West
(Credit will not be granted if credit has been received for: CAS 3533, MELC 3533, HIST 3546, RELS 3714)
57533 001 LEC, 10:10am-11:00am MW, BlegH 150; Meets with: 57525 HIST 3546; Bashiri, Iraq, 3 cr

3701W Population in an Interacting World
(meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive)
56102 001 LEC, 08:15am-09:30am TTh, AndH 230; Meets with: 54674 GEOG 3381W; , 4 cr

3900 Topics in Global Studies
(max crs 15; 3 repeats allowed)
68346 001 LEC, 1-5 cr

3961 Culture and Society of India
(Credit will not be granted if credit has been received for: ANTH 3023, ALL 3676; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)
61140 001 LEC, 3 cr

3970 Topics in African Area Studies
(max crs 9; 3 repeats allowed)
69594 001 LEC, 04:00pm-05:15pm MW, HMH I-105; Meets with: 57212 AFRO 3601W; Gilhre, Njeri R, 3 cr

3981W Major Project Seminar
(A-F only; prereq dept consent; meets CLE req of Writing Intensive)
47754 001 SEM; Meets with: 50013 GLOS 3505W; McLean, Stuart J, 3 cr

3993 Directed Study
(max crs 12; 12 repeats allowed; prereq instr consent , dept consent , college consent)
48153 001 DST, 1-5 cr

4104 Crime and Human Rights
(Credit will not be granted if credit has been received for: SOC 1001, at least one 3000 SOC or GLOS course recommended)
69017 001 LEC, 12:45pm-02:00pm TTh, BlegH 250; Meets with: 67943 SOC 4104; Davidslev, Joachim J, 3 cr

4910 Topics in Global Studies
(max crs 9; 3 repeats allowed)
59123 001 LEC; Topic prereq - jr or sr; Kaminsky, Amy K, 3 cr

GRADUATE SCHOOL (Grad)
316 Johnston Hall, 101 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-3490

999 Graduate School Active Status
(90 repeats allowed; NGA; prereq Grad student)
51566 001 IND, 0 cr

5102 Preparation for University Teaching for Nonnative English Speakers
(NGA; prereq [English Language Proficiency Rating of 4 or successful completion of Foundations course], current or anticipated TA assignment, instr consent)
5001 LEC, 01:25pm-02:15pm F, FordH 155; Stetsenko, Elena V.; Beers, Barbara Lee
5002 LEC, 04:40pm-05:30pm M, FordH 155, Beers, Barbara Lee; Stetsenko, Elena V.

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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Section</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Notes</th>
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<tr>
<td>60379 003</td>
<td>STU</td>
<td>11:45am-02:45pm TTh</td>
<td>McNH 258</td>
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<td>60377 001</td>
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<td>54210 010</td>
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<td>02:30pm-03:20pm M</td>
<td>2221UnivAv 400</td>
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<td>McNH 310</td>
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<td>52657 006</td>
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<td>2221UnivAv 400</td>
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<td>612/624-9700, <a href="http://dha.design.umn.edu">http://dha.design.umn.edu</a></td>
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<td>2196 Work Experience in Graphic Design</td>
<td>max crs 8</td>
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<td>2334 Computer Applications I: Digital Composition for Design</td>
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<td>2385W Design and Factors of Human Perception</td>
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<td>3312 Color and Form in Surface Design</td>
<td>A-F only</td>
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<td>3352 Graphic Design II: Identity and Symbols</td>
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<td>3434 Advanced Typography</td>
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<td>3435 Graphic Design IV: Integrative Campaign</td>
<td>A-F only</td>
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received for: DHA 4353)
60440 001 STU, 03:00pm-06:00pm TTh, McNH 336, STPAUL; Huff, Michelle Jayne, 4 cr
3435 Graphic Design Portfolio
(S-N; prereq [DHA 4354 or DHA 4356 or DHA 4356], graphic design major; credit will not be granted if credit already received for: DHA 3356)
60441 001 STU, 06:15pm-09:15pm TTh, RuttenH 826, STPAUL, 06:15pm-09:15pm TTh, McNH 336, STPAUL; Podkam, Gregory Hunter, 3 cr
5193 Directed Study in Graphic Design
(max crs 8; A-F only; prereq jr or sr grad student)
60442 001 DST; Boyd Brent, James W, 1-4 cr
60443 002 DST; Chu, Sauman, 1-4 cr
60443 003 DST; Hokanson, Brad, 1-4 cr
60445 004 DST; Jasper, Daniel, 1-4 cr
60446 005 DST; Martinson, Barbara Elizabeth, 1-4 cr
60447 007 DST; Waldron, Carol C, 1-4 cr
5342 Web and Interface Design
(A-F only; prereq Graphic Design major or grad student or instr consent; credit will not be granted if credit already received for: DHA 3342)
60451 001 DST; Boyd Brent, James W, 1-3 cr
60452 002 DST; Chu, Sauman, 1-3 cr
60453 003 DST; Hokanson, Brad, 1-3 cr
60454 004 DST; Jasper, Daniel, 1-3 cr
60455 005 DST; Martinson, Barbara Elizabeth, 1-3 cr
60457 007 DST; Waldron, Carol C, 1-3 cr
5399 Theory of Electronic Design
(A-F only; prereq Graphic Design track student or instr consent)
63000 001 SEM, 06:15pm-08:45pm W, McNH 295, STPAUL, 3 seats reserved for Design minor TALA - EXPRES 01-DEC-2011; 3 seats reserved for Design minor - EXPRES 13-JAN-2012; Daigle, Gregory, 3 cr
8192 Readings in Graphic Design
(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)
60451 001 DRD; Boyd Brent, James W, 1-3 cr
60452 002 DRD; Chu, Sauman, 1-3 cr
60453 003 DRD; Hokanson, Brad, 1-3 cr
60454 004 DRD; Jasper, Daniel, 1-3 cr
60455 005 DRD; Martinson, Barbara Elizabeth, 1-3 cr
60457 007 DRD; Waldron, Carol C, 1-3 cr
8222 Plan B Master's Project
(S-N only; prereq [Design or DHA master's student], instr consent)
60456 001 DST; Boyd Brent, James W, 3 cr
60466 002 DST; Chu, Sauman, 3 cr
60467 003 DST; Hokanson, Brad, 3 cr
60468 004 DST; Jasper, Daniel, 3 cr
60469 005 DST; Martinson, Barbara Elizabeth, 3 cr
60471 007 DST; Waldron, Carol C, 3 cr
8361 Color, Design, and Human Perception
(A-F only; prereq Basic color theory course or instr consent; credit will not be granted if credit already received for: DHA 8361)
67310 001 SEM, 06:15pm-09:15pm Th, McNH 258, STPAUL; Martinson, Barbara Elizabeth, 3 cr
8990 MFA Creative Thesis
(max crs 12; A-F only; prereq Completed coursework requirements for MFA in DHA/COMM Multimedia emphasis, instr consent; credit will not be granted if credit already received for: DHA 8990)
60473 001 THE; Boyd Brent, James W, 6 cr
60474 002 THE; Chu, Sauman, 6 cr
60475 003 THE; Hokanson, Brad, 6 cr
60476 004 THE; Jasper, Daniel, 6 cr
60477 005 THE; Martinson, Barbara Elizabeth, 6 cr
60479 007 THE; Waldron, Carol C, 6 cr
49176 001 SEM, 03:30pm-04:00pm Th, DiehllH 555; Speedie, Stuart M, 1 cr
5494 Topics in Health Informatics
(max crs 6; prereq instr consent)
49405 001 DRS; Speedie, Stuart M, 1-6 cr; A-F only; Advanced Public Health Informatics Applications
5496 Internship in Health Informatics
(max crs 18; 3 repeats allowed; S-N only; prereq [Grk 5430, 5431 or instr consent], MHI student)
51562 001 IAS; Speedie, Stuart M, 1-6 cr
5499 Capstone Project for the Masters of Health Informatics
(A-F only; prereq [Grk 5430, 5431 or instr consent], MHI student)
56187 001 IAS; Gateswood PhD, Lael Cramer, 3 cr
5520 Clinical Informatics and Patient Safety
(A-F only; prereq HINF student or instr consent)
62031 001 LEC, 01:25pm-02:15pm MW, Room TBA, TCEASTBANK; Pieczkiewicz PhD, David Sean, 2 cr
5530 Health Care Software Management
(A-F only; prereq HINF student or instr consent)
62032 001 LEC, 03:30pm-04:20pm MW, Room TBA, TCEASTBANK; Pieczkiewicz PhD, David Sean, 2 cr
8333 FTE's Master's
(NGA; prereq Master's student, adviser and DGS consent)
49434 001 THE, 1 cr
8405 Advanced Topics in Health Informatics I
(max crs in instr consent)
56844 001 DRS; 04:40pm-07:20pm W, DiehllH 555; Speedie, Stuart M, 3 cr
8444 FTE: Doctoral
(NGR; Doctoral student, adviser and DGS consent)
49451 001 THE, 1 cr
8446 Professional Studies in Health Informatics
(max crs 6; A-F only; prereq instr consent)
49406 001 DRD; Speedie, Stuart M, 1-6 cr
8494 Research in Health Informatics
(max crs 6; A-F only; prereq instr consent)
49407 001 DRS; Speedie, Stuart M, 1-6 cr
8666 Doctoral Pre-Thesis Credits
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49573 001 THE; Speedie, Stuart M, 1-6 cr
8770 Plan B Project
(A-F only; prereq Plan B MS student,instr consent, no credit toward PhD)
49408 001 DRD; Speedie, Stuart M, 4 cr
8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
49667 001 THE; Speedie, Stuart M, 1-18 cr
8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49409 001 THE; Speedie, Stuart M, 1-24 cr
GREEK (Grk)
245 Nicholson Hall, 216 Pillsbury Drive S E, East Bank Campus, Minneapolis, MN, 55455
612/625-5353, http://cnes.cla.umn.edu
1002 Beginning Classical Greek II
(prereq Grade of at least C- or S in 1001 or dept consent)
5431 Health Informatics II
(A-F only)
48843 001 THE, 04:45pm-08:00pm Th, DiehllH 555; Pinkelstein, Stanley M, 3 cr
5436 Seminar
(S-N only)
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Section</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tr>
<td>102 Beginning Hebrew II</td>
<td>Credit will not be granted if credit has been received for: HEBR 4002; prereq Grade of at least [C- or [1010 or 4010] or instr consent</td>
<td>50103</td>
<td>09:00am-09:59pm</td>
<td>MO, ROCHEOTBA, ROCHESTER, 01/23-12/05/42</td>
<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
<td>Schneller, Renana Segal, 5 cr</td>
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<tr>
<td>1102 Beginning Biblical Hebrew II</td>
<td>Credit will not be granted if credit has been received for: HNB 4002; prereq Grade of at least [C- or [1010 or 4010] or instr consent</td>
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<td>MO, ROCHEOTBA, ROCHESTER, 01/23-12/05/42</td>
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<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
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<td>3102 Intermediate Biblical Hebrew II</td>
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<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
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<td>68775 002 DIS, 12:20pm-01:10pm MTWThF, Room TBA, TCEASTBANK; Meets with: 1102 HEBR 1102</td>
<td>Credit will not be granted if credit has been received for: HNB 4002; prereq Grade of at least [C- or [1010 or 4010] or instr consent</td>
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<td>MO, ROCHEOTBA, ROCHESTER, 01/23-12/05/42</td>
<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
<td>Schneller, Renana Segal, 5 cr</td>
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<td>68775 003 DIS, 12:20pm-01:10pm MTWThF, Room TBA, TCEASTBANK; Meets with: 1102 HEBR 1102</td>
<td>Credit will not be granted if credit has been received for: HNB 4002; prereq Grade of at least [C- or [1010 or 4010] or instr consent</td>
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<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
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<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
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<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
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<td>68775 004 DIS, 12:20pm-01:10pm MTWThF, Room TBA, TCEASTBANK; Meets with: 1102 HEBR 1102</td>
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<td>MO, ROCHEOTBA, ROCHESTER, 01/23-12/05/42</td>
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<td>3102 Intermediate Biblical Hebrew II</td>
<td>Credit will not be granted if credit has been received for: HNB 4002; prereq Grade of at least [C- or [1010 or 4010] or instr consent</td>
<td>57410</td>
<td>09:00am-09:59pm</td>
<td>MO, ROCHEOTBA, ROCHESTER, 01/23-12/05/42</td>
<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
<td>Schneller, Renana Segal, 5 cr</td>
</tr>
<tr>
<td>3102 Intermediate Biblical Hebrew II</td>
<td>Credit will not be granted if credit has been received for: HNB 4002; prereq Grade of at least [C- or [1010 or 4010] or instr consent</td>
<td>57410</td>
<td>09:00am-09:59pm</td>
<td>MO, ROCHEOTBA, ROCHESTER, 01/23-12/05/42</td>
<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
<td>Schneller, Renana Segal, 5 cr</td>
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<tr>
<td>3102 Intermediate Biblical Hebrew II</td>
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<td>57410</td>
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<td>09:00am-09:59pm</td>
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<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
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<td>57410</td>
<td>09:00am-09:59pm</td>
<td>MO, ROCHEOTBA, ROCHESTER, 01/23-12/05/42</td>
<td>11:15am-12:05pm MTWThF, Tollen 13; Meets with:</td>
<td>Schneller, Renana Segal, 5 cr</td>
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<td>Course Code</td>
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<td>Credits</td>
<td>Instructor(s)</td>
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<tr>
<td>3344</td>
<td>History of the Holocaust</td>
<td>3 cr</td>
<td>Reyerson, Kathryn L</td>
<td>06:20pm-08:50pm M, ROOM TBA</td>
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<tr>
<td>3618</td>
<td>The Dark Ages Illumined: Medieval Europe to 1050</td>
<td>3 cr</td>
<td>Watkins, John</td>
<td>06:20pm-08:50pm M, CarlSmgmt M-110</td>
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<tr>
<td>3727</td>
<td>History of the Holocaust</td>
<td>3 cr</td>
<td>Ashkenazi, Ofer</td>
<td>06:20pm-08:50pm M, AndH 370</td>
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<tr>
<td>3728</td>
<td>Human Rights and Crimes Against Humanity</td>
<td>3 cr</td>
<td>Stavrou, Theofanis G</td>
<td>06:20pm-08:50pm M, BlegH 145</td>
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<tr>
<td>3801</td>
<td>The People of Early America: 16th to 18th Centuries</td>
<td>3 cr</td>
<td>Menard, Russell R</td>
<td>06:20pm-08:50pm M, BlegH 130</td>
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<tr>
<td>3802</td>
<td>Religion and the U.S. Founding: Contests Then and Now over the Place of Religion in Politics</td>
<td>3 cr</td>
<td>Norling, Lisa A</td>
<td>06:20pm-08:50pm M, BlegH 110</td>
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<tr>
<td>3803</td>
<td>The Peoples of Revolutionary America</td>
<td>3 cr</td>
<td>Stavrou, Theofanis G</td>
<td>06:20pm-08:50pm M, BlegH 120</td>
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<tr>
<td>3812</td>
<td>The Civil War and Reconstruction</td>
<td>3 cr</td>
<td>Schmitz, J. W.</td>
<td>06:20pm-08:50pm M, BlegH 215</td>
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<tr>
<td>3822</td>
<td>United States in the 20th Century Since 1945</td>
<td>3 cr</td>
<td>Schmitz, J. W.</td>
<td>06:20pm-08:50pm M, BlegH 230</td>
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<tr>
<td>3837</td>
<td>Minnesota History</td>
<td>3 cr</td>
<td>Stavrou, Theofanis G</td>
<td>06:20pm-08:50pm M, BlegH 110</td>
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<tr>
<td>3841</td>
<td>American Business History</td>
<td>3 cr</td>
<td>Green, David George</td>
<td>06:20pm-08:50pm M, BlegH 245</td>
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<tr>
<td>3845</td>
<td>American Economic History: 1870 to the Present</td>
<td>3 cr</td>
<td>Green, David George</td>
<td>06:20pm-08:50pm M, BlegH 245</td>
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<tr>
<td>3862</td>
<td>American Immigration History</td>
<td>3 cr</td>
<td>Ashkenazi, Ofer</td>
<td>06:20pm-08:50pm M, BlegH 110</td>
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<tr>
<td>3865</td>
<td>African American History, 1865 to Present</td>
<td>3 cr</td>
<td>Ashkenazi, Ofer</td>
<td>06:20pm-08:50pm M, BlegH 110</td>
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</table>

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Online Class Schedule.

Online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

55583 001 SEM, 03:30pm-05:30pm T, CarlSkramt 1-143; Theme for this section is "Gender, Sexuality, and Family"; Meets with: 58986 HIST 4961V; Dubrow, Gail Lee, 4 cr

4961W Major Paper

(A-F only; prereq dept consent, instr consent; sign up in Undergraduate Studies Office two sem in advance; meets CLE req of Writing Intensive)

46038 1001 SEM, 06:20pm-08:30pm M, HellenH 1210; Theme for this section is "Open"; Meets with: 55583 HIST 4961V; Lorcin, Patricia E M, 4 cr

57181 002 SEM, 02:30pm-04:20pm Th, CarlSkramt 1-142; Theme for this section is "Open"; Meets with: 55584 HIST 4961V; Maynes, Mary Jo, 4 cr

59895 003 SEM, 03:30pm-05:30pm T, CarlSkramt L-118; Theme for this section is "Ethnicity, Race, and Migration"; Meets with: 57180 HIST 4961V; O'Brien, Jean Marie, 4 cr

59896 004 SEM, 03:30pm-05:30pm T, CarlSkramt L-118; Theme for this section is "Gender, Sexuality, and Family"; Meets with: 58986 HIST 4961V; Dubrow, Gail Lee, 4 cr

4970 Historical Internship

(max crs 24)

59670 001 EX, 03:30pm-05:30pm W, BlegH 230; Meets with: 57527 HIST 3990; Hoogland, Tim; Venditto, Elizabeth O'Ressa, 1-12 cr

59528 001 LEC, 01:25pm-02:00pm Th, CarlSkramt 1-122; Peyerison, Kathryn L, 3 cr

5900 Topics in European/Medieval History

(max crs 16; 5 repeats allowed; A-F only; prereq Grad or [advanced undergrad with instr consent])

57444 001 SEM, 03:30pm-05:30pm Th, SocSci 278; Topic: CLIMATE CHANGE IN MEDIEVAL EUROPE; Meets with: 55743 HIST 8900; Bachrach, Bernard S, 3 cr

5901 Latin America Proseminar: Colonial

(A-F only; prereq instr consent)

59049 002 SEM, 01:25pm-02:00pm F, FordH 151; Gunn, Angelica J, 3 cr

59049 003 SEM, 03:35pm-05:30pm M, FordH 145; Evans, John Karl, 3 cr

5625 20th-Century Russia: The Collapse of Imperial Russia, the Revolutions, and the Soviet Regime

15881 001 LEC, 10:10am-11:00am W, BlegH 145; Stavrou, Theognis G, 3 cr

5612 New Directions in the Middle Ages, Ca. 1100-1500

(max crs 12; 5 repeats allowed; NGA; prereq [6911, grad student] or instr consent)

59020 001 LEC, 01:25pm-02:00pm Th, CarlSkramt 1-122; Peyerison, Kathryn L, 3 cr

5990 Topics in American/Urban History

(max crs 16; 5 repeats allowed; A-F only; prereq Grad or [advanced undergrad with instr consent])

56191 001 LEC, 10:10am-11:00am Th, BlegH 225; Topic: MEDIA AND COMMUNICATIONS IN THE ELECTRONIC AGE; Shank, JB; Wolfe, Thomas C, 3 cr

56192 002 LEC, 08:30am-09:20am Th, HHHCtr 30; Meets with: 69338 HIST 6930; Casale, Giancarlo, 3 cr

56193 003 LEC, 06:20pm-07:10pm Th, HHHCtr 151; Gunn, Jennifer, 3 cr

56194 004 LEC, 03:30pm-04:20pm Th, HHHCtr 151; Gunn, Jennifer, 3 cr

5906 Topics in Comparative Women's History

(max crs 20; 5 repeats allowed; A-F only; prereq Grad student or [advanced undergrad, instr consent])

69948 001 SEM, 01:25pm-02:05pm M, HHHCtr 135; Blumenthal, Susanna Lynn, 3 cr

68796 003 SEM, 01:25pm-02:00pm Th, SocSci 278; Casale, Giancarlo, 3 cr

68799 004 SEM, 01:25pm-02:30pm Th, HHHCtr 30; Meets with: 57640 HIST 8950; Mizuno, Hiroim, 3 cr; Theories on Asia

5990 Topics in Comparative Women's History

(max crs 20; 5 repeats allowed; A-F only; prereq Grad student or [advanced undergrad, instr consent])

69077 001 SEM, 03:30pm-05:30pm T, HHHCtr 15; SEMINAR TITLE: Gender Dynamics and Domestic Life in World History; Meets with: 68762 HIST 8630; Waltner, Ann Beth; Maynes, Mary Jo, 3 cr

5993 Directed Study

(max crs 20; 5 repeats allowed; A-F only; prereq Grad student or [advanced undergrad, instr consent, college consent])

48942 001 DIST, 1-16 cr

8333 FTE: Master's

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

49544 001 THE, 1 cr

8444 FTE: Doctoral

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

49452 001 THE, 1 cr

8630 Seminar in World History

(A-F only; prereq instr consent)

68782 001 SEM, 03:35pm-05:30pm T, HHHCtr 15; SEMINAR TITLE: Gender Dynamics and Domestic Life in World History; Meets with: 69077 HIST 5960; Waltner, Ann Beth; Maynes, Mary Jo, 3 cr

8666 Doctoral Pre-Thesis Credits

(max crs 10; 5 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])

49668 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral

(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)

49702 001 THE, 1-24 cr

8900 Topics in European/Medieval History

(max crs 16; 5 repeats allowed; A-F only)

59473 001 SEM, 03:35pm-05:30pm Th, Room TBA, TOCWESTBANK; Meets with: 69508 ARTH 8500, 59768 EMS 8500; Chambers, Sarah C; Afanador-Pujol, TCWESTBANK; TOPIC: Colonialism and Modernity; Skara, Ajay, 3 cr

58214 002 SEM, 01:25pm-03:20pm W, Room TBA, TOCWESTBANK; Topic: Transnational U.S. History Research Seminar; Lee, Erika; Mathieu, Saje M, 3 cr

61946 003 SEM, 01:25pm-03:20pm W, Room TBA, TOCWESTBANK; Topic: American Urban History; Meets with: 60974 HIST 5910; Dubrow, Gail Lee, 3 cr

8960 Topics in History

(max crs 16; 5 repeats allowed; A-F only)

57640 001 SEM, 01:25pm-03:20pm Th, Room TBA, TOCWESTBANK; Topic: Historical Perspectives; Meets with: 57640 HIST 8910; Dubrow, Gail Lee, 3 cr

5908 Directed Research

(max crs 16; 5 repeats allowed; A-F only; prereq Grad student, instr consent)

49703 001 DIST, 1-16 cr

49704 001 DRS, 1-16 cr

HISTORY OF MEDICINE (HMed)

510 Diehl Hall (Box 506 Mayo), 505 Essex Street SE, East Bank Campus, Minneapolis, MN, 55455

612/624-4416, http://www.med.umn.edu/history/home.html

3002W Health Care in History II

(meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive)

001 LEC, 10:10am-11:00am MW, Nichit 35; Gunn, Jennifer

46250 002 DIS, 11:15am-12:05am W, Ford T10; Gunn, Jennifer, 3 cr

49758 003 DIS, 11:15am-12:05am W, Ford T15; Gunn, Jennifer, 3 cr

49760 004 DIS, 11:15am-12:05am Th, AmundH 104; Gunn, Jennifer, 3 cr

46293 005 DIS, 10:10am-11:00am F, Ford T12; Gunn, Jennifer, 3 cr

46292 007 DIS, 10:10am-11:00am F, Ford T15; Gunn, Jennifer, 3 cr

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1212 Life on Earth: Perspectives on Biology
(Credit will not be granted if credit has been received for: HSCI 1214W, meets CLE req of History Perspectives; meets CLE req of Historical Perspectives)
001 LEC, 09:45am-11:15am TTh; With: 58845, Jones, Susan D.
56352 002 DIS, 10:10am-11:00am W, Phys 143; 1 seat reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
56530 003 DIS, 12:20pm-01:10pm W, STSS 119; 1 seat reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
57931 004 DIS, 06:15pm-07:15pm Th, STSS 123; 1 seat reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
56386 005 DIS, 02:30pm-03:20pm W, STSS 119; 1 seat reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr

1714 Technology and Civilization: Stone Tools to Steam Engines
(Credit will not be granted if credit has been received for: HSCI 3714; max crs 4; meets CLE req of Historical Perspectives; meets CLE req of Technology and Society)
59194 1001 LET, 06:15pm-09:00pm T, Nicholl 125; 5 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
59194 1002 LET, 06:15pm-09:00pm W, Nicholl 125; 5 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
59194 1003 LET, 06:15pm-09:00pm Th, Nicholl 125; 5 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
59194 1004 LET, 06:15pm-09:00pm F, Nicholl 125; 5 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr

3814 Revolutions in Science: The Babylonians to Newton
(Credit will not be granted if credit has been received for: HSCI 3814; max crs 4; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives)
001 LEC, 12:45pm-02:00pm TTh, Pills H110; Meets with: 58838 HSCI 1814; 4 cr
58411 002 DIS, 11:15am-12:05pm M, Phys 143; 2 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
58412 003 DIS, 10:10am-11:00am TTh, STSS 119; 2 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
58413 004 DIS, 02:30pm-03:20pm W, Fordh 170; 2 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
58589 005 DIS, 10:10am-11:00am TTh, STSS 119; 2 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr

3242 The Darwinian Revolution
(Credit will not be granted if credit has been received for: HSCI 3242; meets CLE req of Historical Perspectives)
62063 001 LEC, 11:15am-12:30pm TTh, AkerrH 211; 2 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
62063 002 LEC, 09:45am-11:15am TTh, AkerrH 211; 2 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
62063 003 LEC, 12:45pm-02:00pm TTh, AkerrH 211; 2 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
62063 004 LEC, 09:45am-11:15am TTh, AkerrH 211; 2 seats reserved for non-PSEO, non-admitted student - EXPRES 15-DEC-2011, 4 cr
1012 Beginning Hmong
(Credit will not be granted if credit has been received for: HMNG 4002; prereq 1011) 67514 001 DIS, 02:30pm-03:20pm MTWThF, Folkh 6; Meets with: 67515 HMNG 4002; LeYang, Maxwell, 5 cr 52502 0515 DIS, 06:15pm-08:35pm MW, Folkh 116; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 55245 HMNG 4002; LeYang, Maxwell, 5 cr

1016 Accelerated Intermediate Hmong
(Credit will not be granted if credit has been received for: HMNG 4006; prereq 1015, ability in basic spoken Hmong) 51608 0510 LEC, 06:15pm-08:35pm TTh, Johh 16; 1 seat reserved for non-PSEO, non-admitted student; Meets with: 53597 HMNG 4006; LeYang, Maxwell, 5 cr

3290 Hmong Language Teaching Tutorial
(max crs 2; S-N; prereq Grade of A in 3022) 60616 001 PRC; Student-Faculty Contract form available in 136 Kloebel Court. Meeting times arranged with instructor.; Vang, Bee, 1 cr

4002 Beginning Hmong
(Credit will not be granted if credit has been received for: HMNG 3022; prereq 4003, grad student) 56874 001 DIS, 02:30pm-03:20pm MTWThF, Folkh 6; Meets with: 56873 HMNG 3022; Vang, Bee, 3 cr 53042 0515 DIS, 06:15pm-08:35pm MW, Folkh 116; Meets with: 53052 HMNG 1012; LeYang, Maxwell, 5 cr

4004 Intermediate Hmong
(Credit will not be granted if credit has been received for: HMNG 3022; prereq 4003, grad student) 54008 0510 DIS, 06:15pm-08:35pm TTh, Kohl 132; Meets with: 54007 HMNG 3023; Vang, Bee, 3 cr

4006 Accelerated Intermediate Hmong
(Credit will not be granted if credit has been received for: HMNG 1016; prereq 4005, ability in basic spoken Hmong; grad student) 53597 0510 LEC, 06:15pm-08:35pm TTh, Johh 16; Meets with: 51608 HMNG 1016; LeYang, Maxwell, 3 cr

4009 PhD Comprehensive Examination
(max crs 6; A-F; prereq Grad student, adviser and DGS consent) 68782 001 EX; Dissertation: not required for acceptance; no required consent for 1st/2nd examinations. 67514 001 DIS, 02:30pm-03:20pm MTWThF, Folkh 6; Meets with: 55245 HMNG 4002; LeYang, Maxwell, 5 cr 53597 0510 DIS, 06:15pm-08:35pm MW, Folkh 116; Meets with: 53052 HMNG 1012; LeYang, Maxwell, 5 cr

HONORS COLLOQUIA (HCol)
20 Nicholson Hall, 216 Pillsbury Dr SE, East Bank Campus, Minneapolis, MN, 55455 612/624-5522, http://www.honors.umn.edu/

3996H Honors: Research Internship
(max crs 9; 3 repeats allowed; A-F; prereq Honors student; meets HON req of Honors) 69194 001 IEX; Development Research Intern - UHP/STEM; 69164 001 IEX; Development Research Intern - UHP/TECASTBANCK; 69478 001 IEX; Development Research Intern - UHP/TCEASTBANK; 67341 001 SEM, 12:45pm-02:00pm MW, Room TBA; 67334 001 SEM, 12:45pm-02:00pm MW, Room TBA; 67493 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67494 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67495 001 SEM, 04:00pm-05:15pm T, Nichh 12; 69950 001 SEM, 11:15am-01:00pm T, Bohr 335; 69951 001 SEM, 11:15am-01:00pm T, Bohr 335; 2033H Honors Seminar
(max crs 6; A-F; prereq [Fr or soph] honors student; meets HON req of Honors) 67492 001 SEM, 11:15am-01:00pm T, Nichh 12; 67493 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67494 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67495 001 SEM, 04:00pm-05:15pm T, Nichh 12; 2033H Honors Seminar
(max crs 6; A-F; prereq [Fr or soph] honors student; meets HON req of Honors) 67492 001 SEM, 11:15am-01:00pm T, Nichh 12; 67493 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67494 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67495 001 SEM, 04:00pm-05:15pm T, Nichh 12; 2033H Honors Seminar
(max crs 6; A-F; prereq [Fr or soph] honors student; meets HON req of Honors) 67492 001 SEM, 11:15am-01:00pm T, Nichh 12; 67493 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67494 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67495 001 SEM, 04:00pm-05:15pm T, Nichh 12; 2033H Honors Seminar
(max crs 6; A-F; prereq [Fr or soph] honors student; meets HON req of Honors) 67492 001 SEM, 11:15am-01:00pm T, Nichh 12; 67493 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67494 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67495 001 SEM, 04:00pm-05:15pm T, Nichh 12; 2033H Honors Seminar
(max crs 6; A-F; prereq [Fr or soph] honors student; meets HON req of Honors) 67492 001 SEM, 11:15am-01:00pm T, Nichh 12; 67493 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67494 001 SEM, 04:00pm-05:15pm T, Nichh 12; 67495 001 SEM, 04:00pm-05:15pm T, Nichh 12;
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<th>Term</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>3131 Student Organic Farm Planning, Growing, and Marketing</td>
<td>4</td>
<td>Spring 2012</td>
<td>University of Minnesota</td>
<td>Thomas, E. A.</td>
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<tr>
<td>8090 Graduate Horticultural Research</td>
<td>1.5</td>
<td>Spring 2012</td>
<td>University of Minnesota</td>
<td>Smith, Alan G.</td>
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<tr>
<td>8270 Graduate Seminar</td>
<td>1</td>
<td>Spring 2012</td>
<td>University of Minnesota</td>
<td>Dyson, Wayne L.</td>
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<tr>
<td>8280 Current Topics in Applied Plant Sciences</td>
<td>3-5</td>
<td>Spring 2012</td>
<td>University of Minnesota</td>
<td>Smith, Alan G.</td>
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</table>

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<th>Course Title</th>
<th>Credits</th>
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<td>57975 001 LEC</td>
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<td>59221 005 DST</td>
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<td>59220 002 DST</td>
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<td>59219 004 DST</td>
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<td>8001 Special Topics: Human Resource Management and Industrial Relations (HRR)</td>
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<tr>
<td>54563 Understanding Housing: Assessment, Governance, and Policy Analysis</td>
<td>(A-F only; prereg [DHA 2401 or DHA 2463] or instr consent; credit will not be granted if credit already received for: DHA 4563)</td>
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<td>59007 001 LEC</td>
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<td>612/625-6563, <a href="http://humanities.umn.edu">http://humanities.umn.edu</a> Bank Campus, Minneapolis, MN, 55455 831 Heller Hall, 271-19th Ave So, West Bank Campus, Minneapolis, MN, 55455 612/625-6563, <a href="http://www.me.umn.edu">http://www.me.umn.edu</a> MN, 55455 Street SE, East Bank Campus, Minneapolis, MN, 55455</td>
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### HUMAN FACTORS (HumF)

1100 Mechanical Engineering, 111 Church Street SE, East Bank Campus, Minneapolis, MN, 55455

#### 8001 Special Topics: Human Factors/Ergonomics

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#### 8002 Proseminar in Human Factors/Ergonomics

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#### 8541 Decision Support Systems

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#### HUMANITIES (Hum)

831 Heller Hall, 271-19th Ave So, West Bank Campus, Minneapolis, MN, 55455

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<td>61431 004 LEC</td>
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### HUMAN RESOURCES AND INDUSTRIAL RELATIONS (HRR)

3-300 Carlson School of Management, 321 19th Ave S, West Bank Campus, Minneapolis, MN, 55455

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<tr>
<td>3021 Human Resource Management and Industrial Relations</td>
<td>(Credit will not be granted if credit has been received for: HRIR 8021; prereq ECON 1101, ECON 1102, PSY 1001)</td>
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### HUMAN RESOURCES AND INDUSTRIAL RELATION (HRR) - Twin Cities Campus

8000 Graduate Topics in Human Resources and Industrial Relations (max crs 8; 8 repeats allowed; A-F only; prereq HRIR MA)
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<tr>
<td>4521</td>
<td>Statistics, Quality, and Reliability (prereq upper div or grad student or CNR)</td>
<td>Cooper, Mary Jean; Gupta, Diwakar</td>
<td>3 cr</td>
<td>11:30am-01:00pm, TTh, Harlow 223</td>
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<td>5513</td>
<td>Engineering Safety (A-F only; prereq upper div CSE or grad student)</td>
<td>Ronza, Peter Paul</td>
<td>3 cr</td>
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<td>5522</td>
<td>Quality Engineering and Reliability (prereq 4521 or equiv, upper div or grad student or CNR)</td>
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<td>5541</td>
<td>Project Management (prereq upper div or grad student)</td>
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<td>5545</td>
<td>Decision Analysis (prereq 4521 or equiv)</td>
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<td>5551</td>
<td>Production Planning and Inventory Control (prereq CNR or upper div or grad student)</td>
<td>Gupta, Diwakar</td>
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**Online Class Schedule**

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
### Online Class Schedule

[Online Class Schedule at http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location.

#### University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

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<td>59295</td>
<td>6001 LEC, 05:45pm-09:05pm M, CarlSMgmt 1-143</td>
<td>2 cr</td>
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<td>05:45pm-09:05pm</td>
<td>CarlSMgmt 1-143</td>
<td>Yumuroy, Ahmed, 2 cr</td>
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<td>59296</td>
<td>6050 LEC, 05:45pm-09:05pm W, CarlSMgmt 1-114</td>
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<td>CarlSMgmt 1-114</td>
<td>Adomavicius, Gediminas, 2 cr</td>
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<td>6490</td>
<td>Advanced Topics in MIS (max crs 10; repeats allowed)</td>
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<td>CarlSMgmt 1-132</td>
<td>Papna, Ravi, 4 cr</td>
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<td>68661</td>
<td>002 IEX, 03:45pm-05:25pm MW, CarlSMgmt 1-142</td>
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<td>03:45pm-05:25pm</td>
<td>CarlSMgmt 1-142</td>
<td>Ray, Gautam, 2 cr</td>
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<td>70545</td>
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<td>CarlSMgmt 1-136</td>
<td>Ray, Shawn P, 2 cr</td>
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<td>38501</td>
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<td>09:55am-11:35am</td>
<td>CarlSMgmt 2-215</td>
<td>Ray, Shawn P, 2 cr</td>
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### Additional Information

- [Online Class Schedule](http://onestop.umn.edu)
- [Room Reservations](http://onestop.umn.edu)
- [University of Minnesota - Class Schedule](http://onestop.umn.edu)
- [Contact Information](http://onestop.umn.edu)

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**INFRASTRUCTURE SYSTEMS ENGINEERING (ISE)**

- [510 WOB, 1300 S 2nd St, West Bank Campus, Minneapolis, MN, 55454](http://www.cdl.umn.edu)

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**INFRASTRUCTURE NETWORKING (iNet)**

- 20 Rutland Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 55108

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**INNOVATION STUDIES (IS)**

- 20 Rutland Hall, 1994 Buford Avenue, St Paul Campus, St Paul, MN, 55108

---

**5014 Construction Estimating (A-F; only; ISE grad student)**

- 51461 001 LEC; Hilger, Peter, 2 cr

**5112 Infrastructure Systems Engineering Management (A-F; only; ISE grad student)**

- 52728 001 LEC; 12:15pm-04:00pm; WOB 142 (West Bank Office Building); Kern, Philip M, 2 cr

**5201 Pavement Management Maintenance and Rehabilitation (A-F; only; ISE grad student)**

- 55179 001 LEC; Class meets in 142 WOB; Marasteau, Mihai, 2 cr

**5202 Traffic Engineering Management (A-F; only; ISE grad student)**

- 55180 001 LEC; Class meets in 142 WOB; Preston, Howard Denis, 2 cr

**5301 Bridge Management Maintenance and Rehabilitation (A-F; only; ISE grad student)**

- 54147 001 LEC; Dixon, Steven Arthur, 2 cr

**5302 Critical Infrastructure Security and Protection (A-F; only; ISE grad student)**

- 54373 001 LEC; Amin, Massoud, 2 cr

**5402 Storm Water Management (max crs 10; A-F; only; ISE grad student)**

- 55181 001 LEC; Class meets in 142 WOB; Willenbring, Peter Rich, 2 cr

**5501 Geographic Information Systems (A-F; only; ISE grad student)**

- 50215 001 LEC; 12:15pm-04:00pm; Class meets in 142 WOB; Bapna, Ravi, 2 cr
online Class Schedule.

online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

5100 Innovation Studies Seminar (max crs 4; 4 repeats allowed; A-F only; prereq directed study) 69162 001 SEM, 06:20pm-08:50pm M, Blegh 230, 01/18/ 12-05/04/12; b: The Digital Transformation of Human Activities is an ongoing field of human endeavor is being transformed by digital technology. The first step was making already defined activities more efficient and more effective. The more significant step is the redefining those very activities in ways that were not imaginable before.

Underlying these are broader and deeper changes in how we make decisions, how we work with others, how we create and manage our organizations, how we share knowledge, how we learn, and perhaps even how we feel. This seminar will strive to exemplify as well as discuss these changes, and students will have the opportunity to examine the effects of digital technology on a field of their choosing.; Meets with: 49031 LS 5100; Shupe, David Arlin, 3 cr 57541 002 SEM, 06:00pm-08:30pm T, CarisMgmt 1-127; Designing for Social Change, Understanding the Future of Food. Explore the question of planetary sustainability from the systemic approach to thinking and environmental justice to organic farming and the future of food.

From an exploration of the global environmental crisis and the need to make radical changes in agriculture, we will bring this home to a real plot of Earth in an organic eco-farming project at the Women's Environmental Institute in Chisago County. This hands-on project will emerge from our study of various strategies for sustaining life on earth, broadly inclusive of human and nonhuman life, informed by new ways of knowing and new ways of growing in companionship with the Earth and with other species. The class will meet on campus, utilize electronic media and Moodle, and meet on two Saturdays for farm tours and work crew sessions.

This seminar is held at the University YMCA, 1801 University Ave. SE.; Moore, David F, 3 cr

INSURANCE AND RISK MANAGEMENT (Ins) 3-122 Carlson School of Management, 321 19th Ave, West Bank Campus, Minneapolis, MN, 55455 612/624-2888, http://www.csom.umn.edu

4100 Corporate Risk Management (credit will not be granted if credit received for: 5100) 49029 001 DIS, 02:30pm-04:25pm M, STSS 420A; Untiedt, Arthur M, 2 cr 59493 1200 LEC, 05:45pm-08:05pm Th, HMH 1-105, 03/19/ 12-05/04/12; Whitman, Andrew Franklin, 2 cr

4200 Insurance Theory and Practice (credit will not be granted if credit received for: 5200) 54938 1200 LEC, 05:45pm-08:05pm Th, HMH 1-105, 03/19/ 12-05/04/12; Whitman, Andrew Franklin, 2 cr

INTER-COLLEGE PROGRAM (ICP) 20 Ruttan Hall, 1994 Buford Ave, St Paul Campus, St Paul, MN, 55108 612/624-4000, http://www.cce.umn.edu/icp

3093 Directed Study (max crs 15; prereq insr consent) 54235 001 DST; Sawyer, Nate, 1-15 cr

INTERDEPARTMENTAL STUDY (ID) 411 (STSS) Science Teaching Students, Services 222 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455 612/624-7577, http://www.clacareer.umn.edu

1201 Major and Career Exploration (prereq Or for soph) 46999 002 SEM, 10:00am-12:00pm W, STSS 512A; Buckley, Christopher Gene, 2 cr 48899 004 SEM, 02:30pm-04:25pm T, STSS 420A; Halverson, Jon A, 2 cr 51587 006 SEM, 03/19/12-05/04/12, 2 cr 54607 007 SEM, 12:00pm-02:15pm M, STSS 530; Sturm, Chelsea J, 2 cr 55490 008 SEM, 10:10am-12:00pm Th, Room TBA, 51957; 8237ASTBANK; Bolle, Michael A, 2 cr 55967 009 SEM, 02:30pm-04:25pm Th, STSS 420A; Timmins, Paul, 2 cr 55981 001 SEM, 2 cr

2301 Career Planning 49118 001 DIS, 08:00am-09:50am M, STSS 420B; Holschbach MA, Jesse, 2 cr 51147 004 DIS, 02:30pm-04:25pm M, STSS 432A; Untiedt, LD, PH, Stephanie Ann, 2 cr 51588 003 DIS, 08:00am-09:50am W, STSS 432A; Untiedt, LD, PH, Stephanie Ann, 2 cr 51918 006 DIS, 12:20pm-02:15pm T, STSS 512A; Holschbach MA, Jesse, 2 cr 58670 007 DIS, 12:20pm-02:15pm W, STSS 432A; Untiedt, LD, PH, Stephanie Ann, 2 cr 55491 010 DIS, 02:30pm-04:25pm Th, STSS 432B; Holschbach MA, Jesse, 2 cr

2305 Law School Exploration 55968 001 LEC, 10:10am-12:00pm T, Kohlth 132; Whitney, Angie Schmidt, 2 cr

2308 Internship Reflection: Making Meaning of Your Experience (prereq intern consent) 59603 001 DIS, 1 cr

3551 Community Leadership Seminar: Leadership, (A-F; prereq Concurrent registration is required (or allowed) in 3552, intern consent) 47081 001 SEM, 04:00pm-06:50pm Th, Room TBA, OFFCMPTC; Prereq; intern consent. For more information, call David Moore at (612) 676-7700. Seminar is held at the University Ymca, 1801 University Ave. SE.; Moore, David F, 3 cr

3552 Community Leadership Internship: Leadership, (A-F; prereq Concurrent registration is required (or allowed) in 3551) 59637 001 LEC, -06:00pm, OFFCMPTC; Moore, David F, 3 cr

3565 HECUA Off-Campus Study Program: Environment and Agriculture: Sustainable Food Systems Internship (A-F; prereq dept consent) 58220 001 DIS, 12/16/11-08/31/12, 2 cr

3571 Metro Urban Studies Term: Contested Theories of Poverty, Inequality, and Social Change (prereq Concurrent registration is required (or allowed) in 3572, 3573, dept consent; meets CLE req of Social Sciences) 50002 001 SEM; Holiday, David Wallace, 4 cr

3572 Metro Urban Studies Term: Social Policy and Anti-Poverty Strategies in Theory and Practice (prereq Concurrent registration is required (or allowed) in 3571, 3573, dept consent; meets CLE req of Diversity and Soc Justice US) 50003 001 FW; Holiday, David Wallace, 4 cr

3573 HECUA Off-Campus Study Program: Metro Urban Studies Term Internship Seminar (prereq Concurrent registration is required (or allowed) in 3571, 3572, dept consent; contact CCLC, 54565 005 DIS, 02-2044; meets CLE req of Civic Life and Ethics) 50004 001 IEX; Holiday, David Wallace, 8 cr

3581 City Arts: Creating Social Change - Art and Culture in Political, Social, Historical Context (prereq Concurrent registration is required (or allowed) in 3582, 3583, dept consent; meets CLE req of Arts/Humanities) 46990 001 SEM; Holiday, David Wallace, 4 cr
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<td>8666</td>
<td>Doctoral Pre-Thesis Credits</td>
<td>(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)</td>
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<td>9777</td>
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<td>8888</td>
<td>Thesis Credit: Doctoral</td>
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<td>6100</td>
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<td>6102</td>
<td>Physician and Patient III: Internal Medicine</td>
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<td>6103</td>
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<td>6104</td>
<td>Physician and Patient III: Pediatrics</td>
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<td>Laboratory Medicine</td>
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<td>Topics in Medical Anthropology I: the Normal and the Pathological</td>
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<td>Endocrinology-Reproduction Pathophysiology</td>
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<td>6409</td>
<td>Gut: GI Pathophysiology</td>
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<td>6410</td>
<td>Eye Pathophysiology</td>
<td>(P-N only; preregistered 2nd yr medical student)</td>
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<td>6411</td>
<td>Blood Pathophysiology</td>
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<td>6412</td>
<td>Infectious Disease Pathophysiology</td>
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**INTERDISCIPLINARY MEDICINE**

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</tbody>
</table>

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7000 Interdisciplinary Research
(HNV; prereq [3rd or 4th yr] medical student; MID/Ph.D. program preferred)
50505 001 DRS, 2-12 cr

7001 Interdisciplinary Research II
(max crs 3; 4th yr medical student)
50518 001 DRS, 2-12 cr

7002 Interdisciplinary Research-3
(max crs 6; H-N; prereq 3rd or 4th year medical student)
50524 001 DRS, 2-6 cr

5271 Health Activity Elective
(max crs 4; P-N only; prereq 3rd or 4th yr medical student)
50520 001 LEC, 2-4 cr

7540 Ambulatory Clinic for the Physician-Scientist
(max crs 6; HNV; prereq Med student)
50537 001 ROT, 1-6 cr

7541 Ambulatory Clinic for the Physician-Scientist
(max crs 6; HNV; prereq Med student)
50538 001 ROT, 2-6 cr

5752 Traditional Indian Medicine Clerkship
(HNV; prereq Med student, dept consent)
50539 001 ROT; Dorschner, Joycelyn Ann, 2-6 cr

5753 Elective Away at Centers for Disease Control (CDC)
(max crs 8; HNV; prereq Med student, dept consent)
50540 001 ROT, 2-8 cr

5755 Elective Away for Credit
(max crs 16; HNV; prereq Med student, dept consent)
50541 001 ROT; 2-8 cr

5756 Elective Away for Credit 2
(HNV)
50542 001 ROT, 2-6 cr

5757 Elective Away for Credit 3
(HNV)
50543 001 LEC, 2-6 cr

5758 Elective Away for Credit 4
(max crs 6; HNV)
50544 001 LEC, 2-6 cr

5759 Clinical Experience in International Medicine
(max crs 3; 3 repeats allowed; HNV; prereq Med student)
50545 001 ROT, 2-12 cr

5760 Clinical Experience in International Medicine II
(max crs 24; 3 repeats allowed; HNV; prereq Med student, dept consent)
50546 001 ROT, 2-8 cr
50547 002 ROT, 2-8 cr

5767 Introduction to International Health
(Credit will not be granted if credit has been received for: CHPH 5321; max crs 4; HNV)
50548 001 LEC, 0-4 cr

5769 Clinical Experience in International Medicine III
(max crs 6; 3 prereq Med student, dept consent)
50549 001 ROT, 2-4 cr

5777 Introduction to Complementary and Alternative Therapies
(HNV; prereq Internet access, basic e-mail skills)
50550 001 LEC, 2-6 cr

7579 Rural Hawaii Public Health Elective
(max crs 6; H-N)
50551 001 ROT, 2-6 cr

5780 Integrative Healing in Hawaii
(H-H; prereq Registered medical student)
60502 001 LEC, 0-3 cr

5193 Directed Study in Interior Design
(max crs 8; 2-5 prereq Plan submitted/approved by [advisor, internship supervisor], written approval of supervisor, instr consent)
60503 001 DST; Guerin, Denise A, 1-4 cr
60504 002 DST; Hadjiyanni, Tasoulla, 3 cr
60505 003 DST; Zollinger, Stephanie Watson, 1-4 cr

60506 001 DST; Zollinger, Stephanie Watson, 1-4 cr
60507 002 DST; Hadjiyanni, Tasoulla, 1-4 cr
60508 003 DST; Zollinger, Stephanie Watson, 1-4 cr

60509 001 DST, 60312 001 DST; STPAUL; Asojo, Abimbola, 1-4 cr

60510 001 DST, 60313 001 DST; STPAUL; Paron-Wildes, Anita Jean, 3 cr

5194 Directed Study in Interior Design
(max crs 8; S-N only; prereq instr consent)
60511 001 DST; Guerin, Denise A, 1-3 cr
60512 002 DST; Hadjiyanni, Tasoulla, 1-4 cr
60513 003 DST; Martin, Carmen Samatter, 1-3 cr
60514 004 DST; Zollinger, Stephanie Watson, 1-4 cr
60515 005 DST; Asojo, Abimbola, 1-3 cr

8222 Plan B Master’s Project
(max crs 8; 3, 4, or 5 repeats allowed; H-N; prereq [DHA or design] master’s student, instr consent)
60516 001 DST; Guerin, Denise A, 3 cr
60517 002 DST; Hadjiyanni, Tasoulla, 3 cr
60518 003 DST; Martin, Carmen Samatter, 3 cr
60519 004 DST; Zollinger, Stephanie Watson, 3 cr
60520 005 DST; Asojo, Abimbola, 3 cr

8260 Interior Design Studio I
(max crs 8; S-N only; prereq instr consent)
60521 001 DST; Guerin, Denise A, 1-3 cr
60522 002 DST; Hadjiyanni, Tasoulla, 1-4 cr
60523 003 DST; Martin, Carmen Samatter, 1-3 cr
60524 004 DST; Zollinger, Stephanie Watson, 1-4 cr
60525 005 DST; Asojo, Abimbola, 1-3 cr

3162 History of Interiors and Furnishings: 1750 to Present
(A-F only; credit will not be granted if credit already received for: DHA 4162)
60526 001 DST; Starnes, Maureen Jeanette, 4 cr
60527 002 DST; Starnes, Maureen Jeanette, 4 cr

3606 Interior Design Studio VI
(A-F; prereq [3605 or DHA 3605] with grade of at least C-; credit will not be granted if credit already received for: DHA 3606)
60528 001 DST; Guerin, Denise A, 1-4 cr
60529 002 DST; Hadjiyanni, Tasoulla, 1-4 cr
60530 003 DST; Martin, Carmen Samatter, 1-3 cr
60531 004 DST; Zollinger, Stephanie Watson, 1-4 cr

5195 Directed Study
(max crs 8; 8 repeats allowed; A-F only; prereq instr consent)
60532 001 DST; Guerin, Denise A, 1-3 cr
60533 002 DST; Hadjiyanni, Tasoulla, 1-4 cr
60534 003 DST; Martin, Carmen Samatter, 1-4 cr
60535 004 DST; Zollinger, Stephanie Watson, 1-4 cr
60536 005 DST; Asojo, Abimbola, 1-4 cr

3012 Human Resources Management: An International Perspective
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
4010 Management of Technology in the Middle East
(A-F; prereq Undergrad, consent of Carlson School International Programs)
60905 030 SEM, 11:00am-01:30pm TTh, CarlSmgt 1-125, STDYABROAD, 03/10/12-05/04/12; Concurrent with MOT 4010 This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. Meets with MKTG 4082W-30 4 cr

4082W Brand Management
(A-F; prereq MKTG 3001, MKTG 3010, MKTG 3040; meets CLE requirement)
59095 030 SEM, 11:00am-05:30pm T, CarlSmgt 1-125, STDYABROAD, 03/10/12-05/04/12; Concurrent with MOT 4010 This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. Meets with MKTG 4082W-30 4 cr

4090 Corporate Strategy in Emerging Europe
(A-F; prereq Carlson Global Institute consent)
55064 030 SEM, 05:45pm-08:15pm Th, CarlSmgt 1-127, STDYABROAD, 03/10/12-05/04/12; This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. 4 cr

5100 Undergraduate Semester: CIMBA
(Collegiate of Universities for International Studies)
(max crs 54; 3 repeats allowed; S-N only; prereq 60 cr, Carlson School International Programs consent)
51998 030 SEM; This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details., 0.18 cr

5110 Costa Rica Seminar: Business and the Environment
(A-F; prereq [Sr or grad student], consent of Int'l Programs)
58694 061 SEM; This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. 4 cr

5150 India Seminar: Managing in a Global Environment
(A-F; prereq Consent of Carlson School International Programs)

5170 China Seminar: An International Business Challenge (Graduate-1)
(A-F; prereq Grad student, consent of Carlson School International Programs)
55742 080 SEM; This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. 4 cr

5171 China Seminar: Understanding Supply Chain Resiliency
(A-F; prereq Grad student, consent of Carlson School International Programs)
66708 001 SEM; This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details., 4 cr

5190 Brazil Seminar: Doing Business in Brazil (A-F; prereq Carlson grad student, Carlson School International Programs consent)
57635 080 SEM; This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details., 4 cr

5200 International Business: Undergraduate Exchange
(max crs 160; 10 repeats allowed; S-N only; prereq 60 cr, Carlson School International Programs consent)
57560 030 LEC; This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. 1.06 cr

6041 IBUS 6041: Global Strategy and Modes of Entry
(A-F only; prereq Carlson School grad student, Carlson Global Programs)
69562 080 SEM; This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. Bennoasou, Sid A., 4 cr

6400 Carlson MBA Global Discovery
(max crs 3; A-F; prereq 2nd yr full-time MBA student, Carlson Full Time MBA Program)
60780 080 SEM, 01:15pm-02:55pm T, ROOM TBA, STDYABROAD, Global Discovery; Chile. This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. This class meets the following dates only: Jan 31, Feb 7 and Feb 14. All meetings in 3M Auditorium; Vaaler, Paul Martin, 1-3 cr

60781 081 SEM, 01:15pm-02:55pm T, ROOM TBA, STDYABROAD, Global Discovery; Chile. This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. This class meets the following dates only: Jan 31, Feb 7 and Feb 14, All meetings in 3M Auditorium; Vaaler, Paul Martin, 1-3 cr

60782 082 SEM, 01:15pm-02:55pm T, ROOM TBA, STDYABROAD, Global Discovery; Chile. This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. This class meets the following dates only: Jan 31, Feb 7 and Feb 14. All meetings in 3M Auditorium; Vaaler, Paul Martin, 1-3 cr

60783 083 SEM, 01:15pm-02:55pm T, ROOM TBA, STDYABROAD, Global Discovery; Chile. This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. This class meets the following dates only: Jan 31, Feb 7 and Feb 14. All meetings in 3M Auditorium; Vaaler, Paul Martin, 1-3 cr

60784 084 SEM, 01:15pm-02:55pm T, ROOM TBA, STDYABROAD, Global Discovery; Chile. This section is an education abroad program and requires an application. See <a href="http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html">http://www.carlsonschool.umn.edu/education-abroad/programs/full-listing.html</a> for details. This class meets the following dates only: Jan 31, Feb 7 and Feb 14. All meetings in 3M Auditorium; Vaaler, Paul Martin, 1-3 cr

53806 001 SEM, 11:00am-12:50pm MW, 110/120; 4 cr

54628 008 SEM, 06:00pm-08:55pm MTh, Fohl 4, 5 cr

54628 009 SEM, 06:00pm-08:55pm MTh, Fohl 4, 5 cr

54353 007 SEM, 02:30pm-03:20pm MTh, Fohl 4, 5 cr

54353 008 SEM, 06:00pm-08:55pm MTh, Fohl 4, 5 cr

51275 001 SEM, 10:10am-12:05pm MW, KofiH 132, 4 cr

3459W Senior Project
(meets CLE req of Writing Intensive)
57482 001 DRD, Ferdito, Susanna Florence, 1 cr

3550 Topics in 19th Century Italy (max crs 12; 4 repeats allowed; prereq 3015 or instr consent)
69590 001 LEC, 09:45am-11:00am TTh, FolH 112; Meets with: 69598 ITAL 5337; Ferdito, Susanna Florence, 3 cr

3640 Topics in Italian Studies (max crs 12; 4 repeats allowed)
55933 001 LEC, 12:45pm-02:00pm TTh, Room TBA, TCEABANK; Meets with: 69606 ITAL 3806; Ferdito, Susanna Florence, 3 cr

3806 Negotiating the Terms: Italian Film and Literature
(Credit will not be granted if credit has been received for: ITAL 5004; prereq 1001 or instr consent)
### 1012 Beginning Japanese
(Credit will not be granted if credit has been received for: JPN 3002; prereq 4003, grad student)

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<td>52134</td>
<td>001 LET</td>
<td>09:00am-09:55am MTWThF</td>
<td>PeikH 155</td>
<td>Meets with: 55460 JPN 4006; Buchanan, Michiko Todokoro, 1 cr</td>
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<tr>
<td>52135</td>
<td>002 LET</td>
<td>10:00am-10:55am MTWThF</td>
<td>PeikH 155</td>
<td>Meets with: 47765 JPN 1012; Terui, Sachiko; Emmett, Keiko, 3 cr</td>
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<td>52136</td>
<td>005 LET</td>
<td>12:00pm-12:55pm MTWThF</td>
<td>PeikH 103</td>
<td>Meets with: 51217 JPN 1012; Matsumoto, Fumiko, 3 cr</td>
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<tr>
<td>58764</td>
<td>003 LET</td>
<td>11:15am-12:05pm MTWThF</td>
<td>PeikH 155</td>
<td>Meets with: 57817 JPN 3022; Emmett, Keiko; Terui, Sachiko, 3 cr</td>
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<td>52132</td>
<td>010 DIS</td>
<td>12:20pm-01:10pm MTWThF</td>
<td>VinH 364</td>
<td>Meets with: 47758 JPN 1012; Terui, Sachiko; Emmett, Keiko, 3 cr</td>
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### 3004 Intermediate Japanese
(Credit will not be granted if credit has been received for: JPN 3022; prereq 4003, grad student)

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<td>Meets with: 55460 JPN 4006; Buchanan, Michiko Todokoro, 1 cr</td>
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<td>52136</td>
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<td>PeikH 103</td>
<td>Meets with: 51217 JPN 1012; Matsumoto, Fumiko, 3 cr</td>
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<td>Meets with: 57817 JPN 3022; Emmett, Keiko; Terui, Sachiko, 3 cr</td>
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### 4006 Third Year Japanese
(Credit will not be granted if credit has been received for: JPN 4005; prereq 4005, grad student)

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<td>55459</td>
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<td>10:10am-11:00am MTWThF</td>
<td>FolH 119</td>
<td>Meets with: 47765 JPN 1012; Terui, Sachiko; Emmett, Keiko, 3 cr</td>
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<td>55460</td>
<td>003 DIS</td>
<td>03:35pm-04:25pm MTWThF</td>
<td>FolH 119</td>
<td>Meets with: 50029 JPN 3022; Terui, Sachiko; Emmett, Keiko, 3 cr</td>
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### 4004 Advanced Japanese Conversation and Compositions
(preq 4041 or inst consent)

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### 5040 Readings in Japanese Texts
(max crs 3; 5 repeats allowed; A-F only; prereq 4042 or equiv or inst consent)

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### 5993 Directed Studies in Japanese
(max crs 15; prereq inst consent, dept consent, college consent)

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<td>49183</td>
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<td>51654</td>
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<td>61776</td>
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<td>Student/Faculty Credit form available in 136 Klaeber Court. Meeting times arranged with instructor: Marran, Christine L, 1-15 cr</td>
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</table>
online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

<table>
<thead>
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<th>Course Code</th>
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<tr>
<td>3102</td>
<td>Principles of Strategic Communication</td>
<td>Johnson, Jennifer M</td>
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<tr>
<td>3155</td>
<td>Editing for Print and Digital Audiences</td>
<td>Golden, Gayle Celeste</td>
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<td>3173W</td>
<td>Magazine Writing</td>
<td>Ison, Christopher John</td>
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<td>3201</td>
<td>Principles of Strategic Communication: Advertising</td>
<td>Golden, Gayle Celeste</td>
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<tr>
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<td>Creative Strategy and Copywriting</td>
<td>Johnson, Jennifer M</td>
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<td>3251</td>
<td>Strategic Communication Research</td>
<td>Johnson, Jennifer M</td>
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<tr>
<td>3279W</td>
<td>Public Relations and Campaign Tactics</td>
<td>Johnson, Jennifer M</td>
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<td>3451</td>
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<td>Johnson, Jennifer M</td>
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### Online Class Schedule

Online Class Schedule at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

<table>
<thead>
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501 LEC, 10:00am-11:50am M, Farah 202; Meets with: 52165 REC 9571; Ingraham PhD, Stacy 3 cr  
46148 005 LEC, 10:00am-11:50am F, Farah 304; Meets with: 51734 REC 8371; LaVoi PhD, Nicole M, 3 cr  

3385 Human Physiology  
(A-F only; prereq [KIN 3385 or PHSL 3051, or equiv], kine major or instr consent)  
501 LEC, 01:25pm-03:20pm TTh, URecCtr 320; Moore, Nancy Ellen Ro, 2 cr  
48705 002 LEC, 08:00am-09:50am W, URecCtr 320; Osmste, Nancy Ann; Hessel, Nancy, 2 cr  

3393 Directed Study in Kinesiology  
(max crs 10; 10 repeats allowed; S-N; prereq instr consent)  
56189 001 DRS; Barr-Anderson PhD, Daheia Julina, 1-10 cr  
52711 002 DRS; Kihl PhD, David J, 1-10 cr  
60021 041 DRS; Bhalla PhD, Jennifer Anita, 1-10 cr  
54774 029 DRS; Lewis PhD, Beth Ann, 1-10 cr  
54981 001 LEC, 3 cr  

4641 Training and Conditioning for Sport  
(A-F only; prereq [KIN 4385 or exercise physiology course], [upper level undergrad or M.Ed. or grad student])  
59677 001 LEC, 04:35pm-06:15pm W, AkerH 311; Fitzgerald, John S, 3 cr  

4741 Strength and Power Development and Program Design  
(A-F only; prereq kinesiology major or grad student or kinesiology MEd or inst consent)  
58677 001 LEC, 03:45pm-06:15pm W, AkerH 311; Fitzgerald, John S, 3 cr  

4596 Practicum in Kinesiology  
(max crs 6; 6 repeats allowed; S-N; prereq [KIN MEd or grad student], instr consent)  
52640 001 PRC; Allison JD, Rayla, 1-6 cr  
50103 004 PRC; Leon MD, Arthur S, 1-6 cr  
59640 012 PRC; Ross PhD, Stephen, 1-6 cr  
59801 013 PRC; Brownlee PhD, Eric A, 1-6 cr  
60154 014 PRC; Petit, Moira Anne, 1-6 cr  
59387 021 PRC; Wade PhD, Michael G, 1-6 cr  

4594 Advanced Electrocardiogram Interpretation  
(A-F; prereq [3385, 4385] or instr consent)  
61182 001 LEC, 04:00pm-06:30pm M, Farah 202; Nelson, Brittny J, 3 cr  

5389 Exercise for Disease Prevention and Management  
(A-F only; prereq Undergraduate [physiology or biology])  
54943 001 LEC, 02:30pm-05:30pm TTh, CookeH 214; Leon MD, Arthur S, 3 cr  

5631 Programming and Promotion in Sport  
(A-F only; prereq Kin or Rec student or instr consent)  
54778 001 LEC; Topic prereq- Graduate student or inst consent, 1-8 cr  

5641 Scientific Theory and Application of Training and Conditioning in Sport  
(A-F; prereq 4385 or SPST 3641 or SPST 4641 or exercise physiology course or instr consent)  
56337 001 LEC, 09:00am-10:50am M, Farah 215; Ingraham PhD, Stacy Jean, 3 cr  

5601 Sport Management Ethics and Policy  
(A-F only; prereq MEd or grad student or instr consent)  
52184 001 LEC, 04:40pm-07:10pm T, STSS 432A; Meets with: 52153 REC 5601; Kihl PhD, Lisa A, 3 cr  

5720 Specific Topics in Kinesiology  
(max crs 8; 8 repeats allowed; prereq kine upper div undergrad or grad student or instr consent)  
60023 001 LEC, 05:00pm-07:30pm T, MarAg 141; Burns, Kevin Victor, 3 cr  

5801 Legal Aspects of Sport and Recreation  
(A-F only; prereq Kin or rec major)  
46647 001 LEC, 07:00pm-09:00pm M, CookeH 206; Meets with: 52224 REC 5681; Loher JD, Vickie Lynn, 4 cr  

5804 National Collegiate Athletic Association (NCAA) Compliance  
(A-F; prereq [Undergrad upper div undergrad or grad student or instr consent])  
60023 001 LEC, 05:00pm-06:45pm M, BFAB 105; Brue, JT, 2 cr  

5914 Clinical Movement Neuroscience  
(A-F; prereq [3020 or ANAT 3001 or ANAT 3601 or ANAT 3611 or equiv], [PHSL 3051 or equiv])  
49096 001 LEC, 04:15pm-06:45pm Th, AkerH 209; Meets with: 52154 REC 5981; Loher JD, Vickie Lynn, 4 cr  

5992 Readings in Kinesiology  
(max crs 8; 8 repeats allowed; prereq [KIN upper div undergrad or MEd or grad student], instr consent)  
55266 001 IND; Barr-Anderson PhD, Daheia Julina, 1-9 cr  
52173 002 IND; Kihl PhD, Lisa A, 1-9 cr  
50104 004 IND; Dengel PhD, Donald R, 1-9 cr  
51730 005 IND; Ingraham PhD, Stacy Jean, 1-9 cr  
46525 007 IND; Kane PhD, Mary Jo, 1-9 cr  
56228 008 IND; Konczak PhD, Jennifer, 1-9 cr  
54450 009 IND; Rodgerich PhD, Michael G, 1-9 cr  
46526 011 IND; Leon MD, Arthur S, 1-9 cr  
52174 012 IND; Ross PhD, Stephen, 1-9 cr  

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
8966 Internship: Applied Sport Psychology
(max crs: 6; S-N only; prereq 5126, 8126, Kin PhD student, instr consent)
51732 001 IEX; Wiese-Bjornstal PhD, Diane M., 3-6 cr

8777 Thesis Credits: Master's
(max crs: 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 total required (Plan A only))
49676 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral
(max crs: 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49817 001 THE, 1-24 cr

8995 Research Problems in Kinesiology
(max crs: 9; 9 repeats allowed; S-N only; prereq Grad Kin major, instr consent)
61533 001 DRS; Barr-Anderson PhD, Daheja Julina, 1-9 cr
50106 004 DRS; Dengel PhD, Donald Robert, 1-9 cr
58967 005 DRS; Ingram PhD, Stacy Jean, 1-9 cr
46519 007 DRS; Kihl PhD, Mary Jo, 1-9 cr
56224 008 DRS; Koczkach PhD, Juergen, 1-9 cr
46520 011 DRS; Kong PhD, Rui Cong, 1-9 cr
52178 012 DRS; Ross PhD, Stephen, 1-9 cr
53548 014 DRS; Peit, Moira Anne, 1-9 cr
46521 015 DRS; Wiese-Bjornstal PhD, Diane M., 1-9 cr
46523 019 DRS; Wiese-Bjornstal PhD, Thomas, 1-9 cr
46522 021 DRS; Wade PhD, Michael G, 1-9 cr
56736 023 DRS; Maureen, 1-9 cr
46524 025 DRS; Wiese-Bjornstal PhD, Diane M., 1-9 cr
50409 027 DRS; Law PhD, Nicole Marie, 1-9 cr
56737 029 DRS; Lewis PhD, Beth Ann, 1-9 cr
58175 003 DRS; Buyse PhD, Jo Ann, 1-9 cr

61187 002 DST; Student/Faculty Contract form available in
3290 Korean Language Teaching Tutorial
3032 Third Year Korean
(max crs: 2; S-N; prereq Grade of A in 3031)
3031 Second Year Korean
(max crs: 15; 10 repeats allowed; S-N only; prereq 5126, 8126, Kin PhD student, instr consent)
52246 001 LEC, 09:05am-09:55am MTWTH, FolH 120;
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
### Online Class Schedule

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### Spring 2012

#### 5010 Interdisciplinary Studies in Landscape Architecture (max crs 12; 12 repeats allowed; A-F only; prereq Grad LA major or instr consent)

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#### 8555 Advanced Landscape Planning and Design (A-F only; prereq 8205, grad land arch major or instr consent)

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#### 8741 Metropolitan Design Workshop and Optional Seminar (max crs 6; A-F only; prereq Enrollment in CMD prog or instr consent)

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<th>CR</th>
<th>Time</th>
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<tr>
<td>52697</td>
<td>002 LET</td>
<td>Barton, James Edward</td>
<td>0-12 cr</td>
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#### 8777 Thesis Credits: Master’s (credit will not be granted if credit has been received for: LGTT 5110)

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#### 5101 Applications of Technology in Language Teaching (credit will not be granted if credit has been received for: LGTT 5110)

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<td>51591</td>
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<td>Favour, Joseph Richard</td>
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#### LATIN (Lat)

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### University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

- **Online Class Schedule.** University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

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<tr>
<td>69028 001</td>
<td>SEM, 09:00am-03:00pm S, RuttanH B42, 03/22/12-04/07/12; Personal Renewal for Work and Change</td>
<td>2 cr</td>
<td>T-Th, 09:00am-12:00pm, Ruttan Hall B42</td>
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<tr>
<td>5125 Field Experience</td>
<td>3 cr</td>
<td>T-Th, 06:20pm-08:50pm, BlegH 430, 03/22/12</td>
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<tr>
<td>5001 History of Linguistics</td>
<td>3 cr</td>
<td>T-Th, 06:20pm-08:50pm, Ford Hall 170, 03/22/12</td>
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<tr>
<td>8001 Introduction to Interdisciplinary Inquiry</td>
<td>3 cr</td>
<td>T-Th, 06:20pm-08:50pm, Amund H 156, 03/19/12</td>
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<tr>
<td>8002 Final Project for Graduate Liberal Studies</td>
<td>3 cr</td>
<td>T-Th, 06:20pm-08:50pm, Anschutz 156, 03/19/12</td>
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<tr>
<td>8100 Advanced Interdisciplinary Inquiry</td>
<td>3 cr</td>
<td>T-Th, 06:20pm-08:50pm, Ford Hall 170, 03/19/12</td>
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<tr>
<td>4002 Linguistic Analysis</td>
<td>3 cr</td>
<td>T-Th, 06:20pm-08:50pm, FolH 12; Meets with: 47765 LING 4901W, Marcotte, Jean-Philippe, 3 cr</td>
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<tr>
<td>4004 Phonological Theory</td>
<td>3 cr</td>
<td>T-Th, 06:20pm-08:50pm, FolH 12; Meets with: 47765 LING 4901W, Marcotte, Jean-Philippe, 3 cr</td>
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<tr>
<td>5090 Topics in Linguistics</td>
<td>3 cr</td>
<td>T-Th, 06:20pm-08:50pm, FolH 12; Meets with: 47765 LING 4901W, Marcotte, Jean-Philippe, 3 cr</td>
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<tr>
<td>5090 Introduction to Computational Linguistics</td>
<td>3 cr</td>
<td>T-Th, 06:20pm-08:50pm, FolH 12; Meets with: 47765 LING 4901W, Marcotte, Jean-Philippe, 3 cr</td>
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### Linguistics (Ling)

- **S205 Elliott Hall, 75 East River Road, East Bank Campus, Minneapolis, MN, 55454-6124 624-3331, http://www.lites.umn.edu**

#### 1701 Language and Society

<table>
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<td>3 cr</td>
<td>W, 06:15pm-08:45pm, Nicholl 120, 4 cr</td>
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#### 3001 Introduction to Linguistics

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<td>M, 06:15-12:00pm, MWF, Ciel 212; Marotte, Jean-Philippe, 3 cr</td>
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<td>3 cr</td>
<td>T, 11:15am-12:00pm, T, Fohl 31; 3 cr</td>
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<td>3 cr</td>
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<td>3 cr</td>
<td>M, 11:15am-12:00pm, T, Fohl 31; 3 cr</td>
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<td>4 cr</td>
<td>M, 11:15am-12:00pm, T, Fohl 31; 3 cr</td>
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<td>4 cr</td>
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#### 3052V Honors: Thesis

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<td>3 cr</td>
<td>M, 01:25pm-04:25pm, F, Fohl 12; 3 cr</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is important to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
Online Class Schedule.

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57110 002 LEC, 11:15am-12:30pm MW, HMH 1-105; Li, Honore, Florence E M, 3 cr

57116 001 LEC, 11:50am-12:30pm TTh, HMH 1-114; Smith, Sandra S, 3 cr

57120 009 LEC, 11:15am-12:30pm TTh, CarlSMgmt 2-228; Littlefield, Holly A, 3 cr

57121 010 LEC, 09:05am-09:55am MWF, HMH 1-108; Forbes, Daniel P, 4 cr

57122 008 LEC, 12:45pm-01:30pm MW, CarlSMgmt 2-228; Littlefield, Holly A, 3 cr

57133 004 LEC, 11:50am-01:30pm Th, CarlSMgmt 1-135; Houghton, Andrew, 2 cr

57137 003 LEC, 09:00am-10:20am M, CarlSMgmt 2-228; Mayfield, Benraouane, Sid A., 4 cr

57649 001 LEC, 11:00am-01:30pm TTh, CarlSMgmt 1-132; Benraouane, Sid A., 4 cr

58361 001 LEC, 03:45pm-05:25pm MW, CarlSMgmt 2-215, 01/17/12-03/10/12; Spruth, Steve, 2 cr

4710W New Business Feasibility and Planning

(A-F; preq 3010; meets CLE req of Writing Intensive)

58677 001 LEC, 09:55am-11:30am TTh, CarlSMgmt 1-142; Beil, Frank J, 4 cr

4172 Entrepreneurship in Action II

(A-F; preq 4171)

58678 001 LEC, 01:45pm-03:25pm MW, CarlSMgmt 1-149; Staving, John, 4 cr

5019 Business, Natural Environment, and Global Economy

(Credit will not be granted if credit has been received for: ESPM 5019; A-F; preq MBA student)

59906 060 LEC, 05:00pm-06:25pm W, Andri, 250, 01/17/12-03/10/12; 40 seats reserved for PTMBA student; 8 seats reserved for MBA day student; Meets with: 59906 ESPM 5019; Marcus, Alfred A. 2 cr

600 Negotiation Strategies

(A-F; preq MBA student)

50130 060 LEC, 05:45pm-09:05pm Th, CarlSMgmt 1-132, 01/17/12-03/10/12; This class has mandatory attendance. If you miss more than one exercise or more than one class you will be required to drop the course.; 36 seats reserved for MBA student; 45 seats reserved for PTMBA student; Li, Min, 2 cr

51267 091 LEC, 12:30pm-03:50pm S, CarlSMgmt 1-132, 03/19/12-05/04/12; This class has mandatory attendance. If you miss more than one exercise or more than one class you will be required to drop the course.; 36 seats reserved for PTMBA student; Hyde, Yelena, 2 cr

59906 060 LEC, 05:00pm-06:25pm W, Andri, 250, 01/17/12-03/10/12; 40 seats reserved for PTMBA student; 8 seats reserved for MBA day student; Meets with: 59906 ESPM 5019; Marcus, Alfred A. 2 cr

6031 Industry Analysis and Competitive Strategy

(A-F; preq MBA student)

54564 060 LEC, 05:45pm-09:05pm Th, HM 1-106; 20 seats reserved for MBA day student; 45 seats reserved for PTMBA student; Fox, Isaac J, 4 cr

6032 Strategic Alliances

(A-F; preq MBA student)

53348 090 LEC, 12:30pm-03:50pm S, CarlSMgmt 2-215, 03/19/12-05/04/12; 65 seats reserved for PTMBA student; Madzar, Svetlana, 2 cr

6033 Managing the Strategy Process

(A-F; preq MBA student)

49601 001 LEC, 09:55am-11:35am TTh, CarlSMgmt 1-149, 01/17/12-03/10/12; 48 seats reserved for MBA day student; Fox, Isaac J, 2 cr

49602 090 LEC, 05:45pm-09:05pm W, CarlSMgmt 2-213, 03/19/12-05/04/12; 65 seats reserved for PTMBA student; Fox, Isaac J, 2 cr

6034 Strategic Leadership

(A-F; preq 6033, MBA student)

52112 060 LEC, 05:45pm-09:05pm W, HM 1-107, 03/19/ 12-05/04/12; 45 seats reserved for PTMBA student; 20 seats reserved for MBA day student, 2 cr

6035 Complex and Cross-Cultural Negotiations

(A-F; preq [6004, MBA student] or instr consent)

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6040 International Strategy and Organization
(A-F; prereq MBA student)
54968 0980 LEC, 05:45pm-09:05pm T, CarlSmgmt 1-114;
01/17/12-03/10/12; 36 seats reserved for PTMBA student;
10 seats reserved for MBA day student; Spruth, Steve, 2 cr

5605 Management of Innovation and Change
(A-F; prereq MBA student)
58864 0600 LEC, 05:45pm-09:05pm W, HMH 1-107;
01/17/12-03/10/12; 45 seats reserved for PTMBA student;
20 seats reserved for MBA day student; Spruth, Steve, 2 cr

6084 Management of Groups
(A-F; prereq MBA student)
58688 0600 LEC, 05:45pm-09:05pm T, CarlSmgmt 1-114;
01/17/12-03/10/12; 36 seats reserved for PTMBA student;
10 seats reserved for MBA day student; Madzar, Svjetlana, 2 cr

5001 Leadership and Management Development for Research Scientists
(A-F)
69705 001 LEC, 02:30pm-04:25pm M, STSS 530B; Kindly requesting Active Learning Classroom STSS 121;
Suprenant, Tessa Marie, 2 cr

8111 Marketing Management for Technology-based Organizations
(A-F only; prereq Grad MOT major)
54900 001 LEC; class meets in 150 wbob; Linder, Kevin; Wayne, 2 cr

8122 Financial Management for Technology-based Organizations
(A-F only; prereq Grad MOT major)
48488 001 LEC, 12/16/11-08/31/12, instruction mode: In Person Extended Term; class meets in 150 wbob; Rao, Deepleep, R, 2 cr

8213 Macroeconomics of Technology
(A-F; prereq Grad MOT major)
54094 001 LEC; Meets in dptl room 150 wbob; Marcus, Alfred A, 2 cr

8214 Technology Foresight and Forecasting
(A-F; prereq Grad MOT major)
54891 001 LEC, 12/16/11-08/31/12; class meets in 150 wbob; Carlson, Lockheed, 2 cr

8221 Project and Knowledge Management
(A-F; prereq Grad MOT major)
48857 001 LEC; class meets in 150 wbob; Smith, Karl Aldrich, 2 cr

8231 Managing Information Resources in Technology-based Organizations
(A-F only; prereq Grad MOT major)
55078 001 LEC, 12/16/11-08/31/12; class meets in 150 wbob; Ruttan Hall, 1994 Buford Avenue, St Paul, MN, 55102

8232 Managing Technological Innovation
(A-F only)
50216 001 LEC; Meets in dptl room 150 wbob; Carlson, Lockheed, 2 cr

8234 Capstone Project
(max crs 2; A-F only; prereq Completion of two semesters, grad MOT major)
54991 001 LEC; class meets in dptl room 150 wbob; Ellis, L; Amin, Masood, 1.50 cr

8940 Managing Intellectual Property
(max crs 1.50; S-N; prereq MOT grad student)
49625 001 LEC, 08:00am-04:30pm; Meets in dptl room 150 wbob; Pletcher, Waynne A, 0.50-1.50 cr

8950 International Management of Technology Project
(A-F only; prereq grad MOT student)
49626 001 LEC, 08:00am-12:00pm; Class will take place in the Czech Republic and in Munich Germany. One week in each country.; Polla, Dennis L, 1.50 cr

MANAGEMENT OF TECHNOLOGY (MT)
510 WBOB, 1300 S 2nd Street, West Bank Campus, Minneapolis, MN, 55454
612/624-5747, http://www.cdtl.umn.edu

4001 Leadership, Professionalism and
MANAGERIAL COMMUNICATIONS (MCom)
4-300 Carlson School of Management, 321

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<tr>
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<td>Strategic Management</td>
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<td>59035</td>
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<td>3 cr</td>
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<td>58638</td>
<td>001 LEC, 03:45pm-05:25pm T, CarlSMgmt 2-215</td>
<td>3 cr</td>
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<td>6235</td>
<td>Managerial Accounting</td>
<td>3 cr</td>
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<td>58637</td>
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<td>3 cr</td>
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<td>62003</td>
<td>001 DIS, 01:25pm-03:20pm MW, ApH 303</td>
<td>3 cr</td>
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<td>6210</td>
<td>Data Analysis and Statistics</td>
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<td>6315</td>
<td>The Ethical Environment of Business</td>
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<td>55959</td>
<td>070 LEC, 12:30pm-03:50pm T, ROOM TBA, 01/17/12-04/09/12; Final exam</td>
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<td>6210</td>
<td>Corporate Taxation I</td>
<td>3 cr</td>
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<td>5323</td>
<td>Mergers and Acquisitions I</td>
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<td>Taxation of Partners and Partnerships</td>
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<td>5346</td>
<td>FAS 109 Computations and Analysis</td>
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<td>Wealth Transfer I (Estates and Gifts)</td>
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<td>5381</td>
<td>Tax Aspects of International Business II</td>
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<td>5420</td>
<td>Current Topics in Taxation</td>
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<td>5500</td>
<td>Business, Government, and Economic Tax Policy</td>
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<td>5003</td>
<td>Field Study Pre-Departure Seminar</td>
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<td>5150</td>
<td>Current Financial Accounting Issues</td>
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<td>5220</td>
<td>Tax Research, Communication, and Practice</td>
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**MATERIAL OF BUSINESS TAXATION (MBT)**

**5150 Current Financial Accounting Issues**

- **A-F only:** prereq ACCT 5135, MBT student
- **Prerequisites:**
  - ACCT 5135
  - MBT student

**MATERIAL OF DEVELOPMENT PRACTICE (MDP)**

**5002 Research Methods for Sustainable Livelihoods**

- **A-F:** prereq ACCT 5135, MBT student
- **Prerequisite:**
  - ACCT 5135
  - MBT student

**5003 Field Study Pre-Departure Seminar**

- **OPA:**
  - **Prerequisite:**
    - ACCT 5135

**MATERIAL SCIENCE (MatS)**

- **Prerequisite:**
  - **Prerequisite:**
    - ACCT 1021
    - MAT 1272
    - PHYS 1300
    - CSE student

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51182 004 LAB, 02:30pm-04:25pm W, AmundH B30B; Francis, Lorraine F, 4 cr
52731 003 LAB, 08:00am-11:50am T, SmithH 249A; Meets with: 4214 Polymers
3041 Industrial Assignment I (Credit will not be granted if credit has been received for: CHEN 3041; A-F; prereq MatS upper div, completion of required courses in MatS program through fall sem of 3rd yr, GPA of at least 2.0, regis in co-op program)
5002 001 LEC, Shores, David A, 2 cr
3851W Materials Properties Lab (A-F only; prereq 3801, 4013, MatS upper div or dept consent; meets CLE req of Writing Intensive)
5270 001 LEC, 09:00am-09:55am MW, FordH 150; Shores, David A, 4 cr
4214 Polymers (A-F only; prereq 3201, [4001 or CHEN 4010], [upper div Mat or CHEn] or instr consent)
51181 004 LEC; Frisbie, C Daniel, 1-12 cr
8666 Doctoral Pre-Thesis Credits (max crs 12; A-F only; Doctoral student who has not passed preliminary exam; credit will not be granted if credit has been received for: 1st/2nd registrations, up to 12 combined cr; dept consent for registrations; up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
60220 001 LEC, 02:30pm-03:45pm TTh, LindH 340; Meets with: 55543 CHEM 8211; Morse, David Clark
3833 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
60212 001 DIS, 11:15am-12:05pm T, VinH 2, 3 cr
5804 Mechanical Properties (A-F only)
60241 001 LET, 1 cr
5041 Industrial Assignment II (Credit will not be granted if credit has been received for: CHEN 4041; A-F; prereq 3041, completion of required courses in MatS program through fall sem of 4th yr, GPA of at least 2.8, registration in co-op program)
5002 001 LEC, Shores, David A, 2 cr
4223W Polymer Laboratory (Credit will not be granted if credit has been received for: CHEM 223W, CHEM 224W; prereq 214H or CHEM 3214 [prereq MatS 2143 or instr consent; meets CLE req of Writing Intensive])
51181 004 LEC; Frisbie, C Daniel, 1-12 cr
4301W Materials Processing (A-F only; prereq 4212, [4214 or Concurrent registration is required for: 2141]; meets CLE req of Writing Intensive)
51181 004 LEC, 02:30pm-03:45pm W, AmundH B30B; Francis, Lorraine F, 4 cr
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<th>Section</th>
<th>Lecture/Time</th>
<th>Location</th>
<th>Credits</th>
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<tr>
<td>44544</td>
<td>035 DIS</td>
<td>12:00pm-12:50pm</td>
<td>TTh, LindH 340</td>
<td>4 cr</td>
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<tr>
<td>46162</td>
<td>043 DIS</td>
<td>11:10am-12:00pm</td>
<td>TTh, VinH 209</td>
<td>4 cr</td>
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<tr>
<td>50313</td>
<td>044 DIS</td>
<td>09:05am-09:55am</td>
<td>TTh, VinH 209</td>
<td>4 cr</td>
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<tr>
<td>52238</td>
<td>045 DIS</td>
<td>03:30pm-04:20pm</td>
<td>TTh, VinH 209</td>
<td>4 cr</td>
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<td>57985</td>
<td>027 DIS</td>
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<td>TTh, VinH 209</td>
<td>4 cr</td>
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**1172 Honors Calculus II**
(Credit will not be granted if credit has been received for: MATH 2373, MATH 2574H, MATH 2471; prereq [1272 or 1262 or 1372 or 1572] or grade of at least C-)

- 010 LEC, 10:10am-11:00am | STF 111 | Priyak, Karel L |
- 46171 | 011 DIS | 10:10am-11:00am | TTh, WullH 220 | 4 cr |
- 60245 | 012 DIS | 10:20am-11:10pm | TTh, April 303 | 4 cr |

**2001 Actuarial Science Seminar**
(S-N only; prereq 1272 or equiv)

| Credit will not be granted if credit has been received for: MATH 2373, MATH 2574H, MATH 2573, MATH 3251; prereq [1272 or 1262 or 1372 or 1572] or grade of at least C-)

- 45457 | 010 LET | 06:00am-06:55pm | TTh, 150 | 5 seats reserved for non-PSEO, non-admitted student, 4 cr |
- 48484 | 022 LET | 12:20pm-01:10pm | TTh, 205 | 5 seats reserved for non-PSEO, non-admitted student, 4 cr |
- 50587 | 012 DIS | 10:10am-11:00am | TTh, VinH 209 | 4 cr |
- 45455 | 023 DIS | 02:50pm-03:40pm | TTh, VinH 2, 4 cr |
- 56846 | 024 DIS | 03:30pm-04:20pm | TTh, VinH 2, 4 cr |
- 60986 | 025 DIS | 03:30pm-04:20pm | TTh, VinH 2, 4 cr |
- 51991 | 026 DIS | 11:15am-09:55am | MWF, 230 |
- 51992 | 027 DIS | 11:05am-09:55am | MWF, 230 |
- 51993 | 028 DIS | 10:15am-09:55am | MWF, 230 |

**224 Linear Algebra and Differential Equations**
(Credit will not be granted if credit has been received for: MATH 2373, MATH 2574H, MATH 2471; prereq [1272 or 1262 or 1372 or 1572] or grade of at least C-)

- 46163 | 043 DIS | 11:10am-12:00pm | TTh, VinH 209 | 4 cr |
- 46161 | 042 DIS | 10:10am-11:00am | TTh, VinH 209 | 4 cr |

**226 Multivariable Calculus**
(Credit will not be granted if credit has been received for: MATH 2373, MATH 2574H, MATH 2473, MATH 3251; prereq [1272 or 1262 or 1372 or 1572] or grade of at least C-)

- 45457 | 010 LET | 06:00am-06:55pm | TTh, 150 | 5 seats reserved for non-PSEO, non-admitted student, 4 cr |
- 48484 | 022 LET | 12:20pm-01:10pm | TTh, 205 | 5 seats reserved for non-PSEO, non-admitted student, 4 cr |
- 50587 | 012 DIS | 10:10am-11:00am | TTh, VinH 209 | 4 cr |
- 45455 | 023 DIS | 02:50pm-03:40pm | TTh, VinH 2, 4 cr |
- 56846 | 024 DIS | 03:30pm-04:20pm | TTh, VinH 2, 4 cr |
- 60986 | 025 DIS | 03:30pm-04:20pm | TTh, VinH 2, 4 cr |
- 51991 | 026 DIS | 11:15am-09:55am | MWF, 230 |
- 51992 | 027 DIS | 11:05am-09:55am | MWF, 230 |
- 51993 | 028 DIS | 10:15am-09:55am | MWF, 230 |

**228 Sequences, Series, and Foundations**
(Credit will not be granted if credit has been received for: MATH 2382W; prereq [Concurrent registration is required (or allowed) in 2243 or Concurrent registration is required (or allowed) in 2234 or Concurrent registration is required (or allowed) in 2373 or Concurrent registration is required (or allowed) in 2374) or grade of at least C-)

- 010 LEC, 12:20pm-01:10pm | TTh, Fraser 102 |
- 45559 | 011 DIS | 12:00pm-01:10pm | TTh, 200 | 3 cr |
- 59951 | 012 DIS | 02:15pm-03:05pm | TTh, VinH 209 | 4 cr |
- 50587 | 010 DIS | 10:10am-11:00am | TTh, VinH 209 | 4 cr |
- 45554 | 022 DIS | 01:25pm-02:15pm | TTh, VinH 6, 4 cr |
- 59955 | 023 DIS | 02:15pm-03:05pm | TTh, VinH 2, 4 cr |
- 60986 | 024 DIS | 03:30pm-04:20pm | TTh, VinH 2, 4 cr |
- 51991 | 026 DIS | 11:15am-09:55am | MWF, 230 |

**2373 CSE Linear Algebra and Differential Equations**
(Credit will not be granted if credit has been received for: MATH 2243, MATH 2574H, MATH 2471; prereq [1272 or 1262 or 1372 or 1572] or grade of at least C-)

- 46163 | 043 DIS | 11:10am-12:00pm | TTh, VinH 209 | 4 cr |
- 46161 | 042 DIS | 10:10am-11:00am | TTh, VinH 209 | 4 cr |
- 57885 | 027 DIS | 11:15am-12:05pm | TTh, AkerH 327 |
### Online Class Schedule

For online classes, please visit the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012 at http://onestop.umn.edu.

**4152 Elementary Mathematical Logic**
- **4067 Actuarial Mathematics in Practice**
- **3593H Honors Mathematics II**
- **4281 Introduction to Modern Algebra**
- **4428 Mathematical Modeling**
- **4512 Differential Equations with Applications**
- **4567 Applied Fourier Analysis**
- **4604 Advanced Calculus II**
- **4653 Elementary Probability**
- **4707 Introduction to Combinatorics and Graph Theory**
- **4990 Topics in Mathematics**
- **4991 Independent Study**
- **4992 Directed Reading**
- **4993 Directed Study**
- **4995 Senior Project for CLA**
- **4997W Senior Project (Writing Intensive)**

**2374 CSE Multivariable Calculus and Vector Analysis**

**2574H Honors Calculus IV**

**3283W Sequences, Series, and Foundations: Writing Intensive**

**2586H Honors: Fundamental Structures of Algebra II**

**5378 Differential Geometric Analysis**

**5445 Mathematical Analysis of Biological Networks**

**5467 Introduction to the Mathematics of Image and Data Analysis**

**5576 Mathematics of Options, Futures, and Derivative Securities II**

**5166 Mathematical Logic II**

**5251 Error-Correcting Codes, Finite Fields, Algebraic Curves**

**5284 Cryptology and Number Theory**

**5286H Honors: Fundamental Structures of Algebra II**

**5336 Geometry II**

**5385 Introduction to Computational Algebraic Geometry**

**5486 Introduction To Numerical Methods II**

**5525 Introduction to Ordinary Differential Equations**

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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
8360 Topics in Topology  
(max crs 12; 12 repeats allowed; A-F only; prereq 8301 or 8; offered as one or one sem crs as circumstances warrant)  
61550 001 LEC, 02:30pm-03:20pm MWF, VinH 209, 1-3 cr

8370 Topics in Differential Geometry  
(max crs 12; 12 repeats allowed; A-F only; prereq 8301 or 8; offered for one or one sem crs as circumstances warrant)  
61623 001 LEC, 02:30pm-03:30pm MWF, STSS 123, 1-3 cr

8390 Topics in Mathematical Physics  
(max crs 12; 12 repeats allowed; A-F only; prereq 8601; offered for one or one sem crs as circumstances warrant)  
61227 001 LEC, 01:25pm-02:15pm MWF, VinH 313; Sverak, Vladimir, 1-3 cr

8402 Mathematical Modeling and Methods of Applied Mathematics  
(A-F only; prereq 8401 or instr consent)  
49791 001 LEC, 09:00am-09:55am MWF, VinH 313; Calderer, Carmen, 3 cr

8442 Numerical Analysis and Scientific Computing  
(max crs 1; offered for one yr or one sem crs as circumstances warrant)  
49476 001 LEC, 11:15am-12:05pm MWF, VinH 113; Stinis, Panos, 3 cr

8444 Numerical Analysis of Differential Equations  
(A-F only; prereq 8445 or instr consent)  
61228 001 LEC, 10:10am-11:00am MWF, VinH 313; Arnold, Douglas N., 3 cr

8450 Topics in Numerical Analysis  
(max crs 12; 12 repeats allowed; A-F only; prereq Grad math major or #; offered as one or one sem crs as circumstances warrant)  
61229 001 LEC, 01:25pm-02:15pm MWF, VinH 211; Luskin, Mitchell B., 3 cr

8502 Differential Equations and Dynamical Systems II  
(A-F only; prereq 8501 or instr consent)  
49897 001 LEC, 09:00am-09:55am MWF, VinH 346; Sell, George R., 3 cr

8520 Topics in Dynamical Systems  
(max crs 12; 12 repeats allowed; A-F only; prereq 8502)  
61230 001 LEC, 02:30pm-04:25pm MWF, VinH 301, 1-3 cr

8584 Theory of Partial Differential Equations  
(A-F only; prereq 8583 or instr consent)  
49677 001 LEC, 3 cr

8590 Topics in Partial Differential Equations  
(max crs 3; A-F only; prereq 8602; offered for one yr or one sem crs as circumstances warrant)  
61382 001 LEC, 12:00pm-01:10pm MWF, VinH 2; Safonov, Mikhail V., 1-3 cr

8602 Real Analysis  
(A-F only; prereq 8601 or instr consent)  
47299 001 LEC, 10:10am-11:00am MWF, VinH 206; Polack, Peter, 3 cr

8652 Theory of Probability Including Measure Theory  
(max crs 12; 12 repeats allowed; A-F only; prereq 8561)  
47679 001 LEC, 10:10am-11:00am MWF, VinH 207; Bramson, Maury, 3 cr

8666 Doctoral Pre-Thesis Credits  
(max crs 12; A-F; offered for up to 12 combined cr; department consent required)  
49292 001 THE, 1 cr

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
online Class Schedule.

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### 3041 Industrial Assignment I

- **Description:** Prereq: ME upper div, enrolled in ME co-op program
- **Instructor:** 46738 001 IAS; Marble, Virgil A, 2 cr

### 3221 Design and Manufacturing I: Engineering Materials and Manufacturing Processes

- **Description:** Prereq: 2011, AEM 3021, Mat 2001, ME upper div
- **Instructors:**
  - 001 LEC, 12:00pm-1:10pm MW, Phys 170; McMurry, Peter H
  - 002 DIS, 10:10am-11:00am M, MechE 221; Chase, Thomas Richard
  - 003 LAB, 08:00am-09:55am M, MechE 221; Chase, Thomas Richard
  - 004 LAB, 08:00am-09:55am M, MechE 221; Chase, Thomas Richard

### 3331 Thermal Sciences I

- **Description:** Prereq: Chem 1021, Phys 1001, CSE student
- **Instructor:** 001 LEC, 09:00am-09:55am MWF, Fraser Hall 101; Aksan, Cahir Alepkin
- **Credits:** 4 cr

### 3332 Thermal Sciences II

- **Description:** Prereq: Math 2243, Math 2373, ME upper div; credit will not be granted if credit already received for:
  - 3332 ME
  - 3332 ME

### 4043W Industrial Assignment II

- **Description:** Prereq: ME upper div, registration in ME co-op program
- **Credits:** 2 cr

### 4054W Design Projects

- **Description:** Prereq: 2011, 3221, 3231, 3321, 3331, 3333, 4419, AEM 2021, AEM 3031, EE 3005, ME upper div; meets CLE req of Writing Intensive
- **Instructor:** 001 LEC, 01:25pm-02:15pm TH, TSS2 312; Pui, David Y
- **Credits:** 4 cr

### 4061H Mechanical Engineering Honors Thesis I

- **Description:** Prereq: ME upper div honors student, instructor consent; meets HON req of Honors
- **Credits:** 2 cr

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### MECHANICAL ENGINEERING (ME)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>55132</td>
<td>IAS; Marble, Virgil A</td>
<td>2 cr</td>
</tr>
</tbody>
</table>

### 4043W Industrial Assignment II

- **Description:** Prereq: ME upper div, registration in ME co-op program
- **Credits:** 2 cr

### 4054W Design Projects

- **Description:** Prereq: 2011, 3221, 3231, 3321, 3331, 3333, 4419, AEM 2021, AEM 3031, EE 3005, ME upper div; meets CLE req of Writing Intensive
- **Instructor:** 001 LEC, 01:25pm-02:15pm TH, TSS2 312; Pui, David Y
- **Credits:** 4 cr

### 4061H Mechanical Engineering Honors Thesis I

- **Description:** Prereq: ME upper div honors student, instructor consent; meets HON req of Honors
- **Credits:** 2 cr

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### 4090 Advanced Engineering Problems

- **Description:** Prereq: ME upper div, instructor consent
- **Instructor:** 48394 001 I; Liu, Perry Y; Marble, Virgil A; 1-4 cr
- **Credits:** 4 cr

### 4131W Thermal Environmental Engineering Laboratory

- **Description:** Prereq: 3333, 3331, ME upper div; meets CLE req of Writing Intensive
- **Instructor:** 001 LEC, 11:15am-12:05pm M, Tche 321; Kuehn, Thomas Howard
- **Credits:** 2 cr

### 4231 Motion Control Laboratory

- **Description:** Prereq: 3281, 4031W, ME upper div
- **Instructor:** 001 LEC, 08:15am-09:45am TTh, Phys 170; McMurry, Peter H
- **Credits:** 4 cr

### 4232 Fluid Power Control Lab

- **Description:** Prereq: 3281, 4031W, ME upper div
- **Instructor:** 001 LEC, 11:15am-12:05pm M, Tche 321; Kuehn, Thomas Howard
- **Credits:** 4 cr
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>5101</td>
<td>Vapor Cycle Systems</td>
<td>Kuehn, Thomas Howard</td>
<td>4 cr</td>
<td>12:20pm-11:10pm MW</td>
<td>MechE 460; Kortshagen, Uwe Richard</td>
</tr>
<tr>
<td>5221</td>
<td>Computer-Assisted Product Realization</td>
<td>Kliemecki, Barney Eugene</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Adams, Sam R.</td>
</tr>
<tr>
<td>5223</td>
<td>Materials in Design</td>
<td>Rusen, Ruser</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Rusen, Ruser</td>
</tr>
<tr>
<td>5241</td>
<td>Computer-Aided Engineering</td>
<td>Frank, M.</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Rusen, Ruser</td>
</tr>
<tr>
<td>5286</td>
<td>Robotics</td>
<td>Frank, M.</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Rusen, Ruser</td>
</tr>
<tr>
<td>5341</td>
<td>Case Studies in Thermal Engineering and Design</td>
<td>Donath, Max; Aoki, S.</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Rusen, Ruser</td>
</tr>
<tr>
<td>5351</td>
<td>Computational Heat Transfer</td>
<td>Donath, Max; Kortshagen, Uwe Richard</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Rusen, Ruser</td>
</tr>
<tr>
<td>5461</td>
<td>Internal Combustion Engines</td>
<td>Aoki, S.; Schmitt, D.</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Rusen, Ruser</td>
</tr>
<tr>
<td>5813</td>
<td>Advanced Aerosol/Particle Engineering</td>
<td>Aoki, S.; Schmitt, D.</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Rusen, Ruser</td>
</tr>
<tr>
<td>6222</td>
<td>New Product Design and Business Development</td>
<td>Aoki, S.; Schmitt, D.</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Rusen, Ruser</td>
</tr>
<tr>
<td>6229</td>
<td>Finite Element Methods for Computational Mechanics:</td>
<td>Aoki, S.; Schmitt, D.</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Rusen, Ruser</td>
</tr>
<tr>
<td>8243</td>
<td>Topics in Design</td>
<td>Durfee, William K</td>
<td>4 cr</td>
<td>09:30am-08:30am MW</td>
<td>MechE 460; Rusen, Ruser</td>
</tr>
</tbody>
</table>

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
7501 Medicine Externship II (HNW; prereq 7500)  
47796 01 CLN, 12:15pm-01:15pm W, Room TBA, TCEASTBANK, 12:00pm-02:00pm M, Room TBA, TCEASTBANK, 6 cr  
7505 Infectious Disease Research (max crs 6; HNW)  
47797 01 DRS, Students notified of where to report on first day, 2-6 cr  
7509 Research in Immunology--Rheumatology (max crs 15; HNW)  
47798 01 DRS, 1-15 cr  
7511 Research in Gastroenterology (max crs 15; HNW)  
47801 001 CLN, 2-6 cr  
7512 Research in Hematology (HNW)  
47799 01 DRS, 6 cr  
7518 Research in Diabetes and Endocrinology (HNW)  
47800 01 DRS, 6 cr  
7521 Infectious Disease, Clinical Aspects (max crs 4; HNW; prereq 7500)  
47801 01 CLN, 3-4 cr  
7522 Medical Gastroenterology (max crs 6; HNW)  
47802 01 CLN, 2-6 cr  
7523 Medical Diabetes, Endocrinology, and Metabolism (max crs 4; HNW)  
47803 01 CLN, 2-4 cr  
7524 Cardiovascular Medicine (max crs 6; HNW; prereq One med clin clskhp)  
47817 01 CLN, 2-6 cr  
7525 Cardiovascular Medicine (max crs 6; HNW; prereq One med clin clskhp)  
47804 01 LEC, 4 cr  
7526 Medical Oncology Consultation (max crs 6; HNW; prereq 7500)  
47805 01 CLN, 2-6 cr  
7528 Clinical Hematology (max crs 6; HNW)  
47809 01 CLN, 3-6 cr  
7530 Cardiology Research Elective (max crs 16; H-N)  
59999 01 DRS, 2-8 cr  
7531 Clinical Outpatient and Consultative Rheumatology (max crs 6; HNW)  
47810 01 CLN, 2-6 cr  
7532 Pulmonary Disease (max crs 4; HNW)  
47811 01 CLN, 3-4 cr  
7533 Clinical Allergy (max crs 6; HNW)  
47812 01 CLN, 3-6 cr  
7534 Research in Allergy (HNW)  
47913 01 DRS, 6 cr  
7548 Clinical Genetics (HNW)  
47814 01 CLN, 6 cr  
7554 Fluid Electrolyte Acid-Base Metabolism (HNW; prereq 7500 or instr consent)  
47815 01 CLN, 4 cr  
7556 Renal Consultation (max crs 4; HNW; prereq 7500)  
47816 01 CLN, 2-4 cr

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
7701 Clerkship: Medicine/Pediatrics
Primary Care Selective
(max crs 6; P-N; prereq [3rd or 4th yr] medical student)
58808 001 ROT, 08:30am-01:30pm F, Room TBA, TCEASTBANK; 02/02/12-02/03/12, 09:00am-01:30pm M, Room TBA, TCEASTBANK; 02/02/12-02/06/12, 09:00am-01:30pm F, Room TBA, TCEASTBANK, 02/02/12-02/03/12, 09:00am-10:30am M, Room TBA, TCEASTBANK, 03/05/12-03/05/12, 09:00am-01:30pm F, Room TBA, TCEASTBANK, 03/03/12-03/03/12, 09:00-10:30am M, Room TBA, TCEASTBANK, 04/02/12-04/02/12, 08:30am-01:30pm F, Room TBA, TCEASTBANK, 04/27/12-04/27/12; Meets with: 59037
MICROBIAL ENGINEERING
612/624-5947, http://www.micab.umn.edu
55455
50069 001 DIS, 1-7 cr
4794 Directed Research: Writing Intensive
(max crs 7; S-N only; prereq Biol/MicB 3301, instr consent ; 7 cr max of 4993 and/or 4994 may count toward major requirements; meets CLE req of Writing Intensive)
4792 001 DRS, 1-7 cr
4994 Directed Research
(max crs 7; S-N only; prereq Biol/MicB 3301, instr consent ; 7 cr max of 4993 and/or 4994 may count toward major requirements; meets CLE req of Writing Intensive)
4792 001 DRS, 1-7 cr
5000 Practicum: Teaching
(max crs 4; 4 repeats allowed; A-F only; prereq MIMP or MiCaB grad major or instr consent)
47859 001 PRC, 1 cr
8003 Immunity and Immunopathology
(prereq Upper level undergard immunology course or instr consent)
47670 001 DIS, 10:10am-11:00am MTWTh, Room TBA, TCEASTBANK; Jenkins, Marc, 4 cr
8004 Cellular and Cancer Biology
(A-F only; prereq [One undergrad or grad course each in [biochemistry, cell biology] or instr consent])
47671 001 LEC, 09:05am-09:55am MTWTh, Room TBA, TCEASTBANK; Mc Carthy, James B, 4 cr
8005 Topics in Microbiology, Immunology, and Cancer Biology
(max crs 4; 4 repeats allowed; A-F only; prereq MiCaB grad major or instr consent)
47859 001 DRS, 1-7 cr
8009 Biochemical Aspects of Normal and Abnormal Cell Growth and Cell Death
(prereq 8004 or [BioC 3021, BioI 4004] or instr consent)
48205 001 DIS, 10:35pm-11:35pm M, Room TBA, TCEASTBANK; Mc Carthy, Kristi Ann, 4 cr
8013 Translational Cancer Research
(A-F; prereq 8004 or instr consent)
46198 001 DIS, 08:00am-08:50am T, Room TBA, TCEASTBANK; Mc Carthy, Kristi Ann, 4 cr
8014 Small RNA Biology
(A-F only; prereq BioC 8002 or MiCaB 8004 or equiv or instr consent)
8994 Research (NGA; prereg registration student, adviser and DGS consent) 49862 001 DRS, 1 cr
8888 Thesis Credit: Doctoral (max crs 10; 10 repeats allowed; N-GA; prereq Max 18 cr or per semester or summer; 24 cr required) 49960 001 PRC, 1 cr
8993 Directed Studies (max crs 15; 15 repeats allowed; prereq MCDG grad student or inst or dept consent) 49961 001 DST, 1.5 cr
8994 Research (max crs 10; 10 repeats allowed; N-GA; prereq MCDG grad student or dept consent) 49962 001 DRS, 1.5 cr

MORTUARY SCIENCE (Mort)
A-275 Mayo (Box 740), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-6464, http://www.mortuaryscience.umn.edu

3005 History of Funeral Service (A-F only) 59529 001 LEC, 10:30am-12:15pm M, Jach 2-125; Mathews, Michael Clark, 2 cr
3014 Funeral Service Rules and Regulations (A-F; prereg Mortuary science major) 54122 001 LEC, 10:00am-11:45am T, Jach 2-125; Mathews, Michael Clark, 2 cr
3016 Funeral Service Marketing and Merchandising (A-F only; prereg Mortuary science major) 54635 001 LEC, 12:45pm-03:15pm Th, Jach 2-125; Wosley, Angela, 3 cr
3019 Funeral Practice II (A-F; prereg 2012, mortuary science major) 54199 001 LEC, 09:00am-11:30am F, MCB 2-122; LuBrant, Michael P, 3 cr
3021W Funeral Service Psychology (A-F; prereg Introductory course in general psychology; meets CLE req of Writing Intensive) 56846 001 LEC, 3 cr
3022W Funeral Service Arrangements (A-F; prereg 3018, 3021W; meets CLE req of Writing Intensive) 51744 001 LEC, 09:00am-11:30am W, Jach 2-125; Wosley, Angela, 3 cr
69397 002 LEC, 12:00pm-02:30pm F, Jach 2-125; Wosley, Angela, 3 cr
3030 Funeral Service Law (A-F; prereg 3023) 51745 1001 LEC, 04:30pm-07:25pm Th, Jach 2-125; Class will meet every other week. Dates to be determined.; Meselow, Dauq, 2 cr
3050 Pathology (A-F; prereg General biology course w/ lab) 50117 001 LEC, 08:00am-09:15am TTh, Jach 2-125; Mathews, Michael Clark, 3 cr
3051 Restorative Art (A-F; prereg [3171 or Concurrent registration is required (or allowed) in 3171]); Concurrent registration is required (or allowed) in 3061, mortuary science major) 49949 001 LEC, 01:30pm-03:10pm W, Jach 2-125; LaCourt, Jody Lynn, 2 cr
3061 Embalming Theory

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Online Class Schedule.

University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

55127 001 LEC, 06:00pm-09:00pm M, McNH 10, STPAUL, LaCourt, Jody Lynn, 3 cr

3065 Embalming Chemistry
(A-F; prereq [3171 or Concurrent registration is required (or allowed in 3171); Concurrent registration is required (or allowed in 3051, mortuary science major)]
50594 001 LEC, 09:00am-12:00pm T, JacH 2-121; LaCourt, Jody Lynn, 3 cr

3090 Independent Study Project (max crs 30; prereq Mortuary science major or meets CLE req of Writing Intensive)
54323 001 IND, 09:00am-12:00pm T, FergH 206A, 1 cr

3091W Independent Study in Funeral Service (max crs 3; repeats allowed; prereq Mortuary Science major)
52590 001 LAB, 03:30pm-05:30pm M, FergH 149, 1 cr

3151 Restorative Art Laboratory (max crs 2; S-N; prereq [3171 or Concurrent registration is required (or allowed in 3171)]
48237 001 LAB; 03:30pm-05:30pm M, FergH 107, 1 cr

3161 Embalming Laboratory (max crs 2; S-N; prereq [3171 or Concurrent registration is required (or allowed in 3171)]
50607 001 LAB; 03:30pm-05:30pm M, FergH 107, 1 cr

3379 Clinical Funeral Service Rotation (max crs 3; repeats allowed; S-N only; prereq [3012 or concurrent enrollment 5012], instr consent, dept consent)
54274 001 LEC, 09:00am-11:00am M, FergH 215, 3 cr

3583 Multicultural Studies (meets CLE req of Writing Intensive)
58297 001 LEC; 03:30pm-05:30pm M, FergH 107, 3 cr

3800 Directed Study in Museum Studies (max crs 6; repeats allowed; A-F only; prereq [5012 or concurrent enrollment 5012], instr consent, dept consent)
50607 001 DST, 01:00pm-03:00pm T, FergH 206A, 1 cr

400 Chamber Ensemble Registration (8 repeats allowed; NGA)
51700 001 REH; High Brass, 0 cr
55171 002 REH; Low Brass, 0 cr
55172 003 REH; Keyboard, 0 cr
55173 004 REH; Tuba, 0 cr
55174 005 REH; Woodwinds, 0 cr

901 Junior Recital (A-F only; prereq [Music major, concurrent enrollment in applied music, instr consent, dept consent])
46996 001 DEM, 0 cr

951 Senior Recital (A-F only; prereq [Music major, concurrent enrollment in applied music, instr consent, dept consent])
46997 001 DEM, 0 cr

1014 Rock II: Rock Music from 1970 to the Present (meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice USD)
50101 001 LEA, 10:00am-12:00pm MW, FergH 206A; 3 cr

1240 Moving Image Studies (MmS)
235 Nicholson Hall, 216 Pillsbury Drive SE, East Bank Campus, Minneapolis, MN, 55455
612/624-8099, http://cssl.umn.edu/

MOBDIVISIONAL STUDIES (MsD) 20 Ruttan Hall, 199 Boulevard Ave, St Paul Campus, St Paul, MN, 55108
612/624-4000, http://www.cce.umn.edu/mlds

5002 Advanced Film Analysis (max crs 4; A-F; prereq Grad student status)
68647 001 LEC, 12:20pm-01:10pm M, Nichi125, 10 cr
10101 001 W, Nichi125, 10 cr; Meets with: 61204 SCMC 5002; Mowitt, John W, 0.4 cr

5001W Introduction to Multidisciplinary Studies (A-F; prereq Admitted to multidisciplinary studies; meets CLE req of Writing Intensive)
55127 1001 LEC, 06:00pm-09:00pm M, MohH 10, STPAUL;
Redoute, Carolyn Mary, 3 cr

MUSEUM STUDIES (MSI) 300 Bell Museum, 10 Church Street SE, East Bank Campus, Minneapolis, MN, 55455

5012 Museum Practices (A-F only; prereq 5011 or instr consent)
48916 001 SEM, 03:00pm-05:30pm W, WestM 111; King, Lyndel Irene, 3 cr

5020 Internship (max crs 32; 32 repeats allowed; S-N only; prereq 5011, 5012, dept consent)
48309 001 IEX; Fulfills the Museum Studies Minor; Murdock, Gordon Robert, 1-6 cr
56097 002 IEX; Special Projects at the Weisman Art Museum; King, Lyndel Irene, 1-6 cr
62055 003 IEX; Fulfills the Museum Studies Minor; Murdock, Gordon Robert, 1-6 cr

8993 Directed Study in Museum Studies (max crs 16; 16 repeats allowed; A-F only; prereq [5012 or concurrent enrollment 5012], instr consent, dept consent)
50607 001 DST, 1-4 cr

MUSIC (Mus) 100 Ferguson Hall, 2104 6th St S, West Bank Campus, Minneapolis, MN, 55455

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University of Minnesota - Class Schedule for Twin Cities Campus

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credits</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>3029</td>
<td>American Music Cultures</td>
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<tr>
<td>3200</td>
<td>Campus Singers</td>
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<tr>
<td>3230</td>
<td>Chorus</td>
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<tr>
<td>3242</td>
<td>Vocal Literature (French Melodie) and Pedagogy</td>
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<tr>
<td>3261</td>
<td>Diction for Singers</td>
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<tr>
<td>3331</td>
<td>Jazz Improvisation I</td>
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<tr>
<td>3340</td>
<td>Jazz Ensemble</td>
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<tr>
<td>3400</td>
<td>University and Campus Bands</td>
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<tr>
<td>3401</td>
<td>Basic Conducting I</td>
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<tr>
<td>3410</td>
<td>University Wind Bands</td>
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</table>

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Time</th>
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<tbody>
<tr>
<td>51500 001 LEC, 3 cr</td>
<td>571 Schoenaker Analysis for Performers (A-F only; prereq 3502)</td>
<td>Dillon, James</td>
<td>3 cr</td>
<td>11:15am-01:10pm Th, FergH 127; 10:10am-11:00am M, FergH 123, 10:10am-11:00am W, FergH 123; Bribitzer-Stull, Matt, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>5573 Analysis of Late-Romantic Orchestral Literature (A-F only; prereq 3502 or Theory IV Exam or instr consent)</td>
<td>68901 001 LEC, 10:15am-11:50am M, FergH 123, 10:10am-11:00am W, FergH 123;</td>
<td>3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>5557 Music and Text (A-F only; prereq 3502)</td>
<td>69047 001 SEM, T1:15am-12:55pm T, FergH 123, 11:15am-01:10pm Th, FergH 123; Cherlin, Michael, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>5650 Topics in Opera History (max crs 6; A-F only; prereq grad music major or instr consent)</td>
<td>69046 001 LEC, 11:15am-12:55pm T, FergH 105, 11:15am-01:10pm Th, FergH 105; Harness, Kelley A, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>5647 20th-Century European/American Music (prereq 3603 or equiv, 5501 or equiv, 12 undergrad cr in music history)</td>
<td>60931 001 LEC, 11:15am-12:55pm T, FergH 149, 11:15am-01:10pm Th, FergH 149; Painter PhD, Karen, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>5950 Topics in Music (max crs 15; 15 repeats allowed)</td>
<td>60433 001 LEC, 10:10am-12:55pm M, FergH 205, 10:10am-11:00am W, FergH 205; Currie, Gabriela, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>6112 Instrumental Repertoire: Reduction and Realization (A-F only; prereq Grad student in conducting or instr consent)</td>
<td>64824 001 DIST, 1-4 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8112 Advanced Vocal Accompanying Skills and Repertoire (max crs 8; 4 repeats allowed; A-F only; prereq [French, German, Italian, musicology or theory emphasis or instr consent])</td>
<td>67535 001 LEC, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8181 Operatic Accompaniment Skills and Repertoire (A-F only; prereq Grad student in major in accompanying or in conducting)</td>
<td>61812 001 SEM; Meets in FergH 240, 2 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8237 Score Study: Choral (A-F only; prereq instr consent)</td>
<td>61949 001 LEC, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)</td>
<td>49364 001 THE, 1 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)</td>
<td>49466 001 THE, 1 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8450 Graduate Seminar in Conducting (max crs 32; 8 repeats allowed; A-F only; prereq Grad student in conducting or instr consent)</td>
<td>53892 001 LET, 03:45pm-06:00pm T, FergH 157, 07:00pm-09:00pm T, FergH 95; Kirchoff, Craig J, 3-4 cr</td>
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<tr>
<td>51500 002 LEC, 3 cr</td>
<td>8550 Composition (max crs 12; 4 repeats allowed; A-F only; prereq instr consent)</td>
<td>46632 001 INI; An additional composition studio class is required, time to be arranged by the studio instructor., Lubet, Alex J, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8560 Readings in Music Theory (max crs 12; 4 repeats allowed; A-F only; prereq instr consent)</td>
<td>69411 001 SEM, 02:30pm-05:30pm T, FergH 203; Gopinath, Sumanth S, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8580 Topics in Tonal Analysis (max crs 12; 4 repeats allowed; A-F only; prereq instr consent)</td>
<td>69596 001 SEM, 12:20pm-01:10pm MWF, FergH 203; Damschroder, David A, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8584 Current Issues in the Analysis of 19th-Century Music (A-F; prereq [3502, 3512] or equiv placement exam), instr consent; grad-level Schoenaker analysis recommended</td>
<td>61251 001 SEM, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8590 Topics in 20th-Century Analysis (max crs 12; 4 repeats allowed; A-F only; prereq Grad music major, instr consent)</td>
<td>66009 001 SEM; Requirem Settings, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8640 Seminar in Musicology (max crs 12; 4 repeats allowed; A-F only; prereq Musicology or theory emphasis or instr consent)</td>
<td>59289 001 SEM, 01:25pm-04:25pm M, FergH 205; Roman de Fauvel; Currie, Gabriela, 3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)</td>
<td>49588 001 THE, 1-6 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])</td>
<td>49685 001 THE, 1-18 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)</td>
<td>49827 001 THE, 1-24 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8994 Directed Research (max crs 12; 4 repeats allowed; A-F only; prereq instr consent)</td>
<td>55697 001 DRS, 1-3 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>8999 Recital Credits: Doctoral (max crs 20; 5 repeats allowed; A-F only; prereq DMA student, instr consent)</td>
<td>47358 001 DEM, 4 cr</td>
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<tr>
<td>51500 001 LEC, 3 cr</td>
<td>9111 Piano: Elective (non-major in music) (max crs 32; 8 repeats allowed; A-F only; prereq dept consent)</td>
<td>46500 001 STU; Students interested in being placed for piano lessons must submit a completed Elective Lessons Request Form to 100 Ferguson Hall. This form is available at: <a href="https://www.music.umn.edu/">https://www.music.umn.edu/</a></td>
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</tbody>
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<th>Credits</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>1201 Guitar: Elective (non-major in music) (max crs 32; 8 repeats allowed; A-F only; prereq dept consent)</td>
<td>Billmeyer, Dean W</td>
<td>2-4 cr</td>
<td>T</td>
<td>02:30pm-03:30pm</td>
<td>TBA</td>
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<tr>
<td>1202 Guitar: Elective (non-major in music) (max crs 32; 8 repeats allowed; A-F only; prereq dept consent)</td>
<td>Billmeyer, Dean W</td>
<td>2-4 cr</td>
<td>Th</td>
<td>02:30pm-03:30pm</td>
<td>TBA</td>
</tr>
<tr>
<td>1203 Guitar: Elective (non-major in music) (max crs 32; 8 repeats allowed; A-F only; prereq dept consent)</td>
<td>Billmeyer, Dean W</td>
<td>2-4 cr</td>
<td>W</td>
<td>02:30pm-03:30pm</td>
<td>TBA</td>
</tr>
</tbody>
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2317 Trombone: Music Major
(max crs 16; 8 repeats allowed; A-F only; prereq Audition, dept consent)
49890 001 STU, 03:35pm-05:35pm M, ROOM TBA, 03:30pm-05:30pm W, ROOM TBA; Bordiner, Gary Alan, 2-4 cr
49018 003 STU, 04:30pm-06:00pm T, ROOM TBA, 01:15pm-03:15pm W, ROOM TBA; Shaw, Paul Magnus, 2-4 cr
3302 Harpsichord: Music Major
(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)
47380 001 STU; Billmeyer, Dean W, 2-4 cr
3303 Organ: Music Major
(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)
47391 001 STU; 01:25pm-02:15pm T, ROOM TBA; Billmeyer, Dean W, 2-4 cr
3304 Voice: Music Major
(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)
47392 001 STU, 02:30pm-03:30pm Th, ROOM TBA; Del Santo, Jean Marie, 2-4 cr
49036 002 STU, 02:30pm-03:30pm Th, ROOM TBA; Krieger, Barbara G, 2-4 cr
49037 003 STU, 02:30pm-03:30pm Th, ROOM TBA; Zaro-Mulkins, Wendy, 2-4 cr
49038 004 STU, 02:30pm-03:30pm Th, ROOM TBA; Zabala, Adriana, 2-4 cr
49039 005 STU, 02:30pm-03:30pm Th, ROOM TBA; De Haan, John, 2-4 cr
49040 006 STU, 02:30pm-03:30pm Th, ROOM TBA; Zawiszap, Philip David, 2-4 cr
3305 Violin: Music Major
(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)
47393 001 STU, 03:00pm-06:30pm Th, ROOM TBA; Bjork, Mark P, 2-4 cr
49059 002 STU, 03:00pm-06:30pm Th, ROOM TBA; Kim, Young Niam, 2-4 cr
67474 003 STU, 03:00pm-06:30pm Th, ROOM TBA; O'Reilly, Sally P, 2-4 cr
3306 Viola: Music Major
(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)
47450 001 STU, 03:00pm-06:30pm Th, ROOM TBA; Konkel, Korey Bernard, 2-4 cr
54115 002 STU, 03:00pm-06:30pm Th, ROOM TBA; Turner, Thomas, 2-4 cr
3307 Cello: Music Major
(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)
47461 001 STU, 03:00pm-06:30pm Th, ROOM TBA; Remenikova, Tanya, 2-4 cr
3308 Double Bass: Music Major
(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)
47462 001 STU, 05:00pm-06:30pm Th, ROOM TBA, 03:00pm-05:30pm W, ROOM TBA; Brown, Christopher Craig, 2-4 cr
47463 002 STU, 05:00pm-06:30pm Th, ROOM TBA; Johnson, Benjamin, 2-4 cr
3309 Flute: Music Major
(max crs 24; 8 repeats allowed; A-F only; prereq Audition, dept consent)
47453 001 STU, 03:35pm-05:30pm M, ROOM TBA, 03:45pm-05:05pm W, ROOM TBA; Wagner, Julian, 2-4 cr
49009 002 STU, 03:35pm-05:30pm M, ROOM TBA, 03:45pm-05:05pm W, ROOM TBA; Davis, Immelman, 2-4 cr
3311 Oboe: Music Major
(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)
47454 001 STU, 03:35pm-05:30pm M, ROOM TBA, 03:45pm-05:05pm W, ROOM TBA; Snow, John D, 2-4 cr
3312 Clarinet: Music Major
(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)
47455 001 STU, 03:35pm-05:30pm M, ROOM TBA, 03:45pm-05:05pm W, ROOM TBA; Fritstein, Alexander, 2-4 cr
50190 002 STU, 12:15pm-01:45pm M, ROOM TBA, 03:45pm-05:05pm W, ROOM TBA; Hana, Burt T, 2-4 cr
3313 Saxophone: Music Major
(max crs 24; 12 repeats allowed; A-F only; prereq Audition, dept consent)
47456 001 STU, 03:35pm-05:30pm M, ROOM TBA, 03:45pm-05:05pm W, ROOM TBA; Rousseau, Eugene, 2-4 cr
49070 002 STU, 03:35pm-05:30pm M, ROOM TBA, 03:45pm-05:05pm W, ROOM TBA; Wyatt, Angela J., 2-4 cr
5121 Percussion: Elective (graduate non-major in music)  
(max crs 6; 4 repeats allowed; A-F only; prereq dept consent)  
47509 001 STU, 02:30pm-03:30pm Th., . ROOM TBA;  
Audition, dept consent)  
47520 001 STU, 03:00pm-06:30pm Th., . ROOM TBA;  
Bjork, Mark P, 2-4 cr  
49055 002 STU, 03:00pm-06:30pm Th., . ROOM TBA; Kim,  
Young-Nam, 2-4 cr  
49066 003 STU, 03:00pm-06:30pm Th., . ROOM TBA;  
O'Reilly, Sally P, 2-4 cr

8306 Viola: Music Major (graduate)  
(max crs 48; 24 repeats allowed; A-F only; prereq  
Audition, dept consent)  
47526 001 STU, 03:00pm-06:30pm Th., . ROOM TBA;  
Koppel, Korey Bernard, 2-4 cr  
50191 002 STU, 03:00pm-06:30pm Th., . ROOM TBA;  
Turner, Thomas, 2-4 cr

5123 Guitar: Elective (graduate non-major in music)  
(max crs 6; 4 repeats allowed; A-F only; prereq dept consent)  
47512 001 STU, 02:30pm-03:30pm TTh, . ROOM TBA;  
Audition, dept consent)  
47524 002 STU, 03:30pm-05:30pm W, . ROOM TBA;  
Korducki and Keith Underwood., 2-4 cr

5403 Organ: Music Major Secondary  
(graduate)  
(max crs 24; 12 repeats allowed; A-F only; prereq  
Audition, dept consent)  
47583 001 STU, 02:30pm-03:30pm T, . ROOM TBA,

8308 Double Bass: Music Major (graduate)  
(max crs 48; 24 repeats allowed; A-F only; prereq  
Audition, dept consent)  
47527 001 STU, 03:00pm-06:30pm Th., . ROOM TBA;  
Remenikova, Tanya, 2-4 cr

8311 Oboe: Music Major (graduate)  
(max crs 48; 24 repeats allowed; A-F only; prereq  
Audition, dept consent)  
47530 001 STU, 03:00pm-05:30pm M, . ROOM TBA,  
35075 002 STU, 03:00pm-05:30pm M, . ROOM TBA;  
Snow, John D, 2-4 cr

8312 Clarinet: Music Major (graduate)  
(max crs 48; 24 repeats allowed; A-F only; prereq  
Audition, dept consent)  
47532 001 STU, 03:30pm-05:50pm M, . ROOM TBA,  
3416 Choral Conducting and Methods II  
(max crs 15; 6 repeats allowed; A-F only; prereq  
Audition, dept consent)  
47536 001 STU, 03:30pm-05:50pm M, . ROOM TBA,  
47537 002 STU, 03:00pm-05:30pm W, . ROOM TBA;  
Miller Jr, John W, 2-4 cr  
49079 002 STU, 03:00pm-05:30pm M, . ROOM TBA,  
30190 001 STU, 03:30pm-05:30pm W, . ROOM TBA;  
Harrington, 2-4 cr

8314 Bassoon: Music Major (graduate)  
(max crs 48; 24 repeats allowed; A-F only; prereq  
Audition, dept consent)  
47532 001 STU, 03:30pm-05:50pm M, . ROOM TBA,  
47537 002 STU, 03:00pm-05:30pm W, . ROOM TBA;  
49079 002 STU, 03:00pm-05:30pm M, . ROOM TBA,  
30190 001 STU, 03:30pm-05:30pm W, . ROOM TBA;  
Harrington, 2-4 cr

8315 French Horn: Music Major (graduate)  
(max crs 48; 24 repeats allowed; A-F only; prereq  
Audition, dept consent)  
47537 001 STU, 03:30pm-05:50pm M, . ROOM TBA,  
47538 002 STU, 03:00pm-05:30pm W, . ROOM TBA;  
Gast, Michael C, 2-4 cr  
49090 002 STU, 03:00pm-05:30pm M, . ROOM TBA,  
49089 002 STU, 03:00pm-05:30pm M, . ROOM TBA;  
O'Reilly, Sally P, 2-4 cr

3517 Beginning Instrumental Methods and Materials  
(A-F only; prereq 3516, MUS 3502, MUS 3512 music education major, dept consent)
### Music and Music Therapy Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>5991</td>
<td>Independent Study</td>
<td>Silverman, Michael</td>
<td>1-13</td>
<td></td>
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</tr>
</tbody>
</table>

### Online Class Schedule

- **Access:** [http://onestop.umn.edu](http://onestop.umn.edu)
- **Verify:** Room location in class schedule.
- **Important:** Before attending the first class, verify the room location.
- **Timeline:** This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change.
- **Access:** Most current class schedule available online.

---

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
5561 Behavioral Neuroscience (A-F only; prereq: Grad NSc major or grad NSc minor or instr consent)
46470 001 DIS, 02:30pm-04:30pm TTh, Room TBA, TCEASTBANK; 3 hour final exam; Nick Philp, Teresa A, 3 cr

8014 Small RNA Biology (A-F only; prereq BIOC 8002 or MICA 8004 or equiv or instr consent)
69049 001 LEC, 01:00pm-02:30pm Th, AHMC RM TBA; Meets with: 69930 GCD 8014, 69954 MICA 8014, 69270 PHCL 8014; Subramanian PhD, Subre, 2 cr

8211 Developmental Neurobiology (A-F only; prereq Neuroscience grad student or instr consent)
48482 001 LEC, 09:15am-11:00am TTh, NHH 4-101, 3 cr

8216 Selected Topics in Autonomic and Neuroendocrine Regulation (S-N only; prereq instr consent)
50492 001 LEC; Meets with: 52844 PHSL 8216; Engeland, William C, Csonb, Jr, John W, 1 cr

8217 Systems and Computational Neuroscience (S-N only; prereq NSc 6161 or instr consent)
47023 001 SEM, 01:30pm-03:00pm T, JacH 6-135; Ghose, Geoffrey M, 2 cr

8320 Readings in Neurobiology (max crs 4; 4 repeats allowed)
47022 001 DST, 09:00am-09:50am F, Room TBA, TCEASTBANK; VAMC 4F136; Mind/Brain Journal Club; S/N only; Paro, Josue Victor, 1 cr
49196 002 DST, 09:00am-09:50am F, Room TBA, TCEASTBANK; Neuroscience Seminar Series Journal Club; Register; S/N; grading basis: Yuan, Lilian, 1 cr
49196 003 DST, 12:00pm-01:00pm M, NHH 4-250; Developmental Neurobiology; S/N only; McLoon, Steven, 1 cr
50404 005 DST, 02:30pm-03:30pm Th, Room TBA, STPAUL, Pau Blood Journal Club; S/N: Meets with: 57586 PHCL 8320; Farbanin, Carolyn Ann, 1 cr
52778 006 DST, 08:30am-09:30am Th, Jach 3-159; Giia Journal Club, Kudui, Pauhle, 1 cr
54411 008 DST, 11:00am-12:00am Th, Room TBA; Computational Aspects of Learning and Memory; Redish, David, 1 cr
59425 015 DST, 04:00pm-06:00pm W, Room TBA, TCEASTBANK, 1 cr

8321 Career Skills and Understanding Responsibilities as a Neuroscientist (max crs 2; 4 repeats allowed; S-N only; prereq) Neuroscience grad major or instr consent
50703 001 SEM, 12:00pm-01:30pm T, Room TBA, TCEASTBANK; 3 credit Osler year NSc grad students: Meets with: 50704 NSC 8321; Engeland, William C, 3 cr
50704 002 SEM, 12:00pm-01:30pm T, Room TBA, TCEASTBANK; 4 credit NSc grad students: Meets with: 50703 NSC 8321; Engeland, William C, 0.5 cr

8334 Laboratory Neuroscience (max crs 10; 4 repeats allowed; S-N only; prereq) Grad NSc major)
47024 001 LAB, 1 cr

8411 Teaching in Neuroscience (max crs 4; 4 repeats allowed; S-N only; prereq instr approval)
50493 001 DIS, 1 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
49407 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register to four times, up to 60 combined cr)
49589 001 THE, 1-4 cr

8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA)
54824 001 THE, 1-16 cr

8888 Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49828 001 THE, 1-124 cr
### Online Class Schedule

Online Class Schedule at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<th>Days</th>
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<tr>
<td>54643</td>
<td>5001 DIS</td>
<td>04:40pm-06:05pm MTTh</td>
<td>FolH 30</td>
<td>2 seats reserved for non-PSEO, non-admitted student; Meets with: 48385 NORD 4004, Zmijewska-Emerson, Hanna</td>
<td>5 cr</td>
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### 4002 Beginning Norwegian

(Credit will not be granted if credit has been received for: NOR 1002; prereq 1004 in another language or passing score on LPE or graduate student)

<table>
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<tbody>
<tr>
<td>48384</td>
<td>5001 DIS</td>
<td>10:10am-11:00am MTTh</td>
<td>FolH 16</td>
<td>Meets with: 54643 NOR 1002, Zmijewska-Emerson, Hanna</td>
<td>2 cr</td>
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</table>

### 4004 Intermediate Norwegian

(Credit will not be granted if credit has been received for: NOR 1003; prereq 1004 in another language or passing score on LPE or graduate student)

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<tr>
<td>48385</td>
<td>5001 DIS</td>
<td>09:05am-10:25am MTTh</td>
<td>FolH 16</td>
<td>Meets with: 47108 NOR 1002, Zmijewska-Emerson, Hanna</td>
<td>2 cr</td>
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### 2001 Human Growth and Development: A Life Span Approach

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<th>Location</th>
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<tr>
<td>52709</td>
<td>5001 DIS</td>
<td>09:00am-12:05pm Tu, WDH 4-180</td>
<td>01/17/2012-05/01/2012</td>
<td>Phy, M.</td>
<td>4 cr</td>
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### 3115 Health Informatics and Information Technology

(A-F; prereq Undergrad or inst dflt; meets CLE req of Technology and Society)

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<th>Location</th>
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<tbody>
<tr>
<td>55970</td>
<td>5001 DIS</td>
<td>09:00am-11:00am M, Room TBA</td>
<td>TCEASTBANK, 01/21/12-05/01/2012</td>
<td>Kue, J.; Kerr, M.</td>
<td>3 cr</td>
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</table>

### 3705 Nursing Interventions

(A-F only; prereq 3703, enrolled in School of Nursing, at least soph sem 8)

<table>
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<th>Credits</th>
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<th>Days</th>
<th>Location</th>
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<tbody>
<tr>
<td>61058</td>
<td>5001 LAB</td>
<td>08:00am-10:05pm Th</td>
<td>WDH 4-120</td>
<td>01/20/2012-05/01/2012</td>
<td>TCEASTBANK, 01/19/12-05/01/2012; Twin Cities students only. Meets with: 57860 NURS 2000, Zmijewska-Emerson, Hanna</td>
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### NURSING (Nurs)

51409 5001 DIS, 10:00am-12:05pm MTTh | FolH 16; Fohi 16; Meets with: 43848 NORD 4004, Zmijewska-Emerson, Hanna | 5 cr |

### Neurosurgical Conference

8320 Neurosurgical Conference (max crs 4; P-N only)

<table>
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<tr>
<th>Course Code</th>
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<th>Days</th>
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<tbody>
<tr>
<td>56186</td>
<td>5001 DIS</td>
<td>09:00am-11:00am M, Room TBA</td>
<td>TCEASTBANK, 01/23/12-05/01/2012</td>
<td>Kerr, M.; Kerr, R.</td>
<td>4 cr</td>
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### Nutrition (Nurs)

51409 5001 DIS, 10:00am-12:05pm MTTh | FolH 16; Fohi 16; Meets with: 43848 NORD 4004, Zmijewska-Emerson, Hanna | 5 cr | 12-05/04/12; Twin Cities students only.; Dunlap, Karen J., 3 cr |

### 3802 Patient Centered Care: Nursing of Families I

(A-F; prereq Enrolled in School of Nursing)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Days</th>
<th>Location</th>
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</thead>
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<tr>
<td>61056</td>
<td>5001 DIS</td>
<td>01/25/12-05/04/25 W, Room TBA</td>
<td>TCEASTBANK, 01/18/12-05/01/2012; Twin Cities students only.; Azadian PhD, Jahan</td>
<td>3 cr</td>
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### 3802H Nursing Care of Families I Honors

(A-F; prereq Enrolled nursing student; meets HON req of Honors)

<table>
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<tbody>
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<td>61618</td>
<td>5001 DIS</td>
<td>04:00pm-05:30pm W, Room TBA</td>
<td>TCEASTBANK, 01/18/12-05/01/2012; Twin Cities Honors students only.; Looman PhD, Wendy Sue; Duckett, Laura J.</td>
<td>4 cr</td>
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### 3803 Application of Genetics in Nursing

(A-F only; prereq Enrolled in nursing major)

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<th>Location</th>
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<tbody>
<tr>
<td>61059</td>
<td>5001 DIS</td>
<td>09:00am-11:00am M, Room TBA</td>
<td>TCEASTBANK, 01/17/12-05/01/2012; Rochester Honors students only.; Herrick, Linda Marie</td>
<td>3 cr</td>
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### 4205V Nursing Theory and Research

(A-F only; prereq Undergrad in nursing; meets CLE req of Writing Intensive; meets HON req of Honors)

<table>
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<tbody>
<tr>
<td>56640</td>
<td>5001 DIS</td>
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<td>TCEASTBANK, 01/17/12-05/01/2012; Twin Cities students only.; Lindquist, Ruth Ann</td>
<td>3 cr</td>
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### 4301 Person Centered Care of Adults and Older Adults II

(A-F; prereq 3801, enrolled nursing student)

<table>
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<tr>
<td>67396</td>
<td>5001 DIS</td>
<td>09:00am-11:00am W, Room TBA</td>
<td>TCEASTBANK, 01/17/12-05/01/2012; Twin Cities students only.; Steffes, Mary Teresa</td>
<td>3 cr</td>
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### 4303 Practicum: Person Centered Care of Adults in Acute Care

(A-F; prereq 3703, 3705, 3801, [3802 or 3802H], enrolled in nursing)

<table>
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<th>Course Code</th>
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<td>67398</td>
<td>5001 PRC</td>
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<td>NO ROM Req., 01/26/12-03/08/12; 07:00am-03:30pm Th</td>
<td>NO ROM Req., 02/22/12-04/19/12; Twin Cities students only.; Goering, Mary Rebecca DeGrote</td>
<td>3 cr</td>
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</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>67600</td>
<td>5002 PRC</td>
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<td>NO ROM Req., 01/26/12-03/08/12; 07:00am-03:30pm Th</td>
<td>NO ROM Req., 02/22/12-04/19/12; Twin Cities students only.; Goering, Mary Rebecca DeGrote</td>
<td>3 cr</td>
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<td>NO ROM Req., 02/22/12-04/19/12; Twin Cities students only.; Darst, Elaine</td>
<td>3 cr</td>
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<table>
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<td>67601</td>
<td>5003 PRC</td>
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<table>
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<tr>
<td>67604</td>
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<td>NO ROM Req., 01/26/12-03/08/12; 07:00am-03:30pm F</td>
<td>NO ROM Req., 02/22/12-04/19/12; Twin Cities students only.; Vanderhoef, Dawn</td>
<td>3 cr</td>
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</table>

### 4305 Practicum: Community-based Care of Families Across Life Span
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
6504 Assessing, Managing Psychiatric Disorders in Adv Practice
Psychiatric-Mental Health Nursing
6505 PMH/APR Practac II: Assessing, Managing Psychiatric Disorders in Adv Psychiatric-Mental Health Nurs
6600 Health Systems and Care Models
6602 Nurse Anesthesia Care: Cardiothoracic Disease Practicum
6920 Care Primary: Assessment of Health and Care of Well Children
6921 Assessment of Health and Care of Well Children: Primary Care Practicum
6925 Advanced Concepts in Women's Health for Nurse Practitioners
6926 Advanced Concepts in Women's Health for ANP/WHNP Practicum
6934 Population-focused Assessment and Prioritization
6936 Population Focused Public Health Nursing Practice
6938 Emergency Preparedness for Public Health Nursing Leaders
7005 Nurse Anesthesia Practicum B
7100 DNP Seminar I
7101 DNP Seminar II
7103 Nursing Research Methods
7111 DNP Project Direction II: Implementation
(S-N; prereq 7101 or Concurrent registration is required (or allowed) in 7111) or (S-N; prereq 5115, 7111 or Concurrent registration is required (or allowed) in 7113) or (HINF 5430, HINF 5431, or HINF 5432)
7113 Clinical Decision Support: Theory
(A-F; prereq 5115 or HINF 5430/5431 or instr consent)
7122 Integrative Health and Healing Practicum II
(S-N; prereq 7211 or instr consent)
7214 Integrative Health and Healing Practicum III
(S-N; prereq 7212 or instr consent)
7215 Integrative Health and Healing Practicum IV/Community Health Leadership for Family Nurse Practitioner
(S-N; prereq 7400 or Concurrent registration is required (or allowed) in 7400) or (S-N; prereq 5220, 5222, 5224, 5229, 5601, 7504, 7505)
7501 Assessment and Management of Health Practicum I: Primary Care for the Family Nurse Practitioner
(S-N; prereq 5220, 5222, 5224, 5229, 5601, 5705, 7504, 7505, Concurrent registration is required (or allowed) in 7507, Concurrent registration is required (or allowed) in 7508)
7509 Assessment and Management of Health Practicum V: Clinical Specialty Care for Family Nurse Practitioner
(S-N; prereq 7400, 5222, 5224, 5229, 5601, 7504, 7505, Concurrent registration is required (or allowed) in 7508)
7606 Relationship-Based Leadership and Management
(A-F; prereq Grad student or instr consent)
7610 Health Innovations and Leadership
(A-F; prereq Grad student or instr consent)
7900 Scholarship of Teaching and Learning in Nursing
(prereq DNP or PhD student or instr consent)
7925 Systems of Care for Children and Youth With Special Health Care Needs Practicum
(A-F; prereq 6932 or instr consent)
7926 Advanced Assessment, Intervention in Families of Children and Youth With Special Health Care Needs
(A-F; prereq 6102 or equiv family theory course, 6200, Concurrent registration, is required (or allowed) in 7925) or instr consent)
7964 Advanced Nursing Practicum in Adult-Gerontology Health
(S-N; prereq [5222, 5224, 5229, 5260, 6407, 6501, 7006, or Concurrent registration is required (or allowed) in 7501], [ANP or GNP] or instr consent)
7972 Adv Assessment, Intervention in Families of Children and Youth With Special Health Care Needs Practicum
(A-F; prereq 6102 or equiv family theory course, 6200, Concurrent registration, is required (or allowed) in 7925) or instr consent)
<table>
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<th>Course Code</th>
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<tr>
<td>49468</td>
<td>001 THE</td>
<td>1 cr</td>
<td>49468</td>
<td>49468</td>
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<tr>
<td>8666</td>
<td>Doctoral Pre-Thesis Credits</td>
<td>max 12 cr</td>
<td>NGA: preq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr</td>
<td>49590</td>
</tr>
<tr>
<td>8777</td>
<td>Thesis Credits: Master's</td>
<td>max 50 cr</td>
<td>10 repeats allowed; NGA: preq Max 18 cr per semester or summer; 10 cr total required</td>
<td>49829</td>
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<tr>
<td>8888</td>
<td>Thesis Credit: Doctoral</td>
<td>max 100 cr</td>
<td>10 repeats allowed; NGA: preq Max 18 cr per semester or summer; 24 cr required</td>
<td>49829</td>
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**NUTRITION (Nutr)**
225 Food Science & Nutrition Building,
1334 Eckles Ave, St Paul Campus, St Paul, MN, 55108
612/624-1290, http://fscn.cfans.umn.edu

<table>
<thead>
<tr>
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<th>Time/Location</th>
<th>Instructor</th>
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<tr>
<td>5622</td>
<td>Vitamin and Mineral Biochemistry</td>
<td>max 12 cr</td>
<td>NGA: preq Bioc 3021, Phsl 3051, FSCN 4912</td>
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<tr>
<td>5262</td>
<td>Nutritional Physiology</td>
<td>max 50 cr</td>
<td>NGA; preq Doctoral student and DGS consent</td>
<td>4844</td>
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<tr>
<td>8333</td>
<td>FTE: Master's</td>
<td>max 20 cr</td>
<td>10 repeats allowed; NGA: preq Master's student, adviser and DGS consent</td>
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<tr>
<td>8620</td>
<td>Advances in Nutrition</td>
<td>max 15 cr</td>
<td>2 students in the nutrition program</td>
<td>55151</td>
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<tr>
<td>8666</td>
<td>Doctoral Pre-Thesis Credits</td>
<td>max 12 cr</td>
<td>NGA: preq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr</td>
<td>49403</td>
</tr>
<tr>
<td>8959</td>
<td>Independent Study: Nutrition</td>
<td>max 30 cr</td>
<td>3 repeats allowed; preq instr consent</td>
<td>57923</td>
</tr>
<tr>
<td>8777</td>
<td>Thesis Credits: Master's</td>
<td>max 50 cr</td>
<td>10 repeats allowed; NGA: preq Max 18 cr per semester or summer; 10 cr total required</td>
<td>49402</td>
</tr>
<tr>
<td>8888</td>
<td>Thesis Credit: Doctoral</td>
<td>max 100 cr</td>
<td>10 repeats allowed; NGA: preq Max 18 cr per semester or summer; 24 cr required</td>
<td>49404</td>
</tr>
</tbody>
</table>

**OBSTETRICS AND GYNECOLOGY (Obst)**
12-211 MoosT (Box 395 UMHC), 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/626-3111, http://www.med.umn.edu/obgy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Time/Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>7211</td>
<td>Advanced Obstetrics and Gynecology I</td>
<td>max 15 cr</td>
<td>NGA: preq 7210</td>
<td>48044</td>
</tr>
<tr>
<td>7250</td>
<td>Advanced Externship in Obst/Gyn</td>
<td>max 15 cr</td>
<td>NGA: preq 7500</td>
<td>48487</td>
</tr>
<tr>
<td>7530</td>
<td>Advanced Externship in Obst/Gyn</td>
<td>max 15 cr</td>
<td>NGA: preq 7500</td>
<td>48487</td>
</tr>
<tr>
<td>7541</td>
<td>Advanced Externship in Obst/Gyn</td>
<td>max 6 cr</td>
<td>NGA: preq 7500</td>
<td>55379</td>
</tr>
<tr>
<td>7550</td>
<td>Reproductive Health</td>
<td>max 12 cr</td>
<td>NGA: preq 7500</td>
<td>55820</td>
</tr>
<tr>
<td>7575</td>
<td>Gynecological Pathology and Diagnostic Cytology</td>
<td>max 6 cr</td>
<td>NGA: preq 7500</td>
<td>48749</td>
</tr>
<tr>
<td>8224</td>
<td>Gynecological Endocrinology I</td>
<td>max 6 cr</td>
<td>NGA: preq 8223</td>
<td>48051</td>
</tr>
<tr>
<td>8225</td>
<td>Gynecological Endocrinology II</td>
<td>max 6 cr</td>
<td>NGA: preq 8223</td>
<td>48052</td>
</tr>
<tr>
<td>8246</td>
<td>Obstetrical Physiology and Anesthesiology</td>
<td>max 15 cr</td>
<td>NGA: preq 8225</td>
<td>48053</td>
</tr>
<tr>
<td>8227</td>
<td>Preceptorship in Clinical Practice</td>
<td>max 15 cr</td>
<td>NGA: preq 8226</td>
<td>48054</td>
</tr>
<tr>
<td>8240</td>
<td>Human Gametes and Fertilization</td>
<td>max 6 cr</td>
<td>NGA: preq 8226</td>
<td>48054</td>
</tr>
<tr>
<td>8243</td>
<td>Topics in Family Planning</td>
<td>max 12 cr</td>
<td>NGA: preq 8226</td>
<td>48070</td>
</tr>
<tr>
<td>5395</td>
<td>Independent Study in Occupational Therapy</td>
<td>max 16 cr</td>
<td>16 repeats allowed; preq Enrolled OT student or instr consent</td>
<td>48070</td>
</tr>
</tbody>
</table>

**OCCUPATIONAL THERAPY (OT)**
271 Children's Rehabilitation Center (Box 395 UMHC), 426 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/626-3587, http://www.ot.umn.edu

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Time/Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>48068</td>
<td>001 LEC</td>
<td>1 cr</td>
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<tr>
<td>7500</td>
<td>Externship in Obstetrics, Gynecology and Women's Health: The Primary Health Care of Women</td>
<td>max 12 cr</td>
<td>NGA: preq regis med</td>
<td>47846</td>
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<tr>
<td>54254</td>
<td>007 CLN</td>
<td>6 cr</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
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<th>Credits</th>
<th>Time</th>
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<tbody>
<tr>
<td>56753</td>
<td>001 LEC, 01/03/12-12/13/12; This is a semester long online course with seven (7) on campus dates. For more information check the shared schedule for admitted U of M OT students or contact the instructor, Patricia Schaber at <a href="mailto:schab002@umn.edu">schab002@umn.edu</a>, (612) 626-3252; Jones, Terianne Thielen, 2 cr</td>
<td></td>
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<tr>
<td>56754</td>
<td>002 LEC, 01/03/12-12/13/12; This is a semester long online course with seventeen (17) on campus dates. For more information check the shared schedule for admitted U of M OT students or contact the instructor, Mathiowetz PhD, Virgil G, 4 cr</td>
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<tr>
<td>56755</td>
<td>001 LEC, 01/03/12-12/13/12; This is a semester long online course with nineteen (19) on campus dates. For more information check the shared schedule for admitted U of M OT students or contact the instructor, Mathiowetz PhD, Virgil G, 4 cr</td>
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<td></td>
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<tr>
<td>56756</td>
<td>002 LEC, 01/03/12-12/13/12; This is a semester long online course with nineteen (19) on campus dates. For more information check the shared schedule for admitted U of M OT students or contact the instructor, Mathiowetz PhD, Virgil G, 4 cr</td>
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<tr>
<td>60032</td>
<td>001 LEC, 02:30pm-03:20pm MWF, FolH 3; Meets with: 56702 OJIB 5109; Fairbanks, Brendan George, 3 cr</td>
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<tr>
<td>5109 Advanced Ojibwe Language II (max crs 12; 4 repeats allowed; A-F only)</td>
<td>56702 001 LEC, 02-30pm-03:20pm MWF, FolH 3; Meets with: 60032 OJIB 4109; Fairbanks, Brendan George, 3 cr</td>
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<tr>
<td>2550 Business Statistics: Data Sources, Presentation, and Analysis (Credit will not be granted if credit has been received for: OMS 2500; A-F only; prereq: Math 1031 or equiv), at least 30 cr; credit will not be granted if credit received for: 1550)</td>
<td>48165 001 LET, 08:00am-09:00am TTH, HMH 1-108; Huchendorf, Steven Craig, 4 cr</td>
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<tr>
<td>3001 Introduction to Operations Management (A-F only)</td>
<td>48058 001 LEC, 09:05am-09:55am MWF, HMH 1-104; must also register for: FINA 3001-1, MKTG 3001-1 and MGMT 3004-1. See BA999, Immersion Core, Section 1; Buchner, Thomas Wayne, 3 cr</td>
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<tr>
<td>3004 Sourcing and Supply Chain Management (A-F)</td>
<td>54145 001 LEC, 03:45pm-05:05pm TTH, CarSmgt 2-23; 01/17/12-03/10/12; Novitzki, Thomas, 2 cr</td>
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<tr>
<td>3056 Supply Chain Planning and Control (A-F only; prereq 3001 or instr consent)</td>
<td>51239 001 LEC, 01:45pm-02:35pm TTH, CarSmgt 2-215; Buchner, Thomas Wayne, 4 cr</td>
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<tr>
<td>3059 Quality Management and Lean Six Sigma (S-N; prereq 3001 or equiv or instr consent)</td>
<td>53921 020 LEC, 05:45pm-09:05pm Th, CarSmgt 2-213; Huchendorf, Steven Craig, 4 cr</td>
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<tr>
<td>3072 Managing Technologies in the Supply Chain (A-F; prereq 3001)</td>
<td>58720 001 LEC, 03:45pm-05:05pm TTH, CarSmgt L-114, 03/19/12-05/04/12; Sinha, Kingshuk Kanti, 2 cr</td>
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<tr>
<td>46856 Supply Chain and Operations Strategy (A-F; prereq 3001, 3056, 3059, 4 OMS elective cr; meets CLE req of Wildcats)</td>
<td>58715 001 LEC, 01:45pm-03:25pm MWF, CarSmgt 2-233; Donohue, Karen Lisa, 4 cr</td>
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<tr>
<td>6041 Project Management (A-F; prereq MBA 6220 or equiv), MBA student)</td>
<td>64986 060 LEC, 05:45pm-09:05pm M, CarSmgt 1-112; 12-03/10/12; 15 seats reserved for PT MBA student; 20 seats reserved for MBA day student; Sienski, Enno, 2 cr</td>
<td></td>
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<tr>
<td>6056 Managing Supply Chain Operations (A-F; prereq MBA 6220 or equiv), MBA student)</td>
<td>54996 060 LEC, 05:45pm-09:05pm M, CarSmgt 1-112; 5 seats reserved for MBA day student; 43 seats reserved for PT MBA student; Donohue, Karen Lisa, 4 cr</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
## Online Class Schedule

Visit the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012 at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

### Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>47892</td>
<td>CLN; Hughes, Pamela Jean, 0-6 cr</td>
<td>0-6 cr</td>
<td></td>
</tr>
<tr>
<td>52576</td>
<td>Genomics and Human Disease (max crs 10; S-N only; prereq instr consent)</td>
<td>1-6 cr</td>
<td></td>
</tr>
<tr>
<td>49830</td>
<td>THE, 1-6 cr</td>
<td>1-6 cr</td>
<td></td>
</tr>
<tr>
<td>8021</td>
<td>Basic Concepts in Skeletal Biology (max crs 10; S-N only; prereq instr consent)</td>
<td>1-6 cr</td>
<td></td>
</tr>
<tr>
<td>6081</td>
<td>Global Operations Strategy (A-F; prereq M6220 or equiv), M6220 student</td>
<td>1-6 cr</td>
<td></td>
</tr>
<tr>
<td>8688</td>
<td>Thesis Credit: Doctoral (max 10; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))</td>
<td>1-6 cr</td>
<td></td>
</tr>
<tr>
<td>52575</td>
<td>Ambulatory General Anesthesia for Oral and Maxillofacial Surgery (max crs 6; S-N; prereq Participation in oral and maxillofacial surgery training program)</td>
<td>0-6 cr</td>
<td></td>
</tr>
<tr>
<td>8250</td>
<td>Oral and Maxillofacial Surgery Rotation for the Oral and Maxilloflex Surgery</td>
<td>0-6 cr</td>
<td></td>
</tr>
<tr>
<td>8333</td>
<td>Master's FTE (NGA; prereq Master's student, adviser and DGS consent)</td>
<td>1-6 cr</td>
<td></td>
</tr>
<tr>
<td>8444</td>
<td>Thesis Credits: Master's (max 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required (Plan A only))</td>
<td>1-6 cr</td>
<td></td>
</tr>
<tr>
<td>8666</td>
<td>Doctoral Pre-Thesis Credits (max crs 12; NGA; Doctoral student who has not passed prel im oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral students admitted before summer 2007 may register up to four times, up to 60 combined cr)</td>
<td>1-6 cr</td>
<td></td>
</tr>
</tbody>
</table>

### Ophthalmology (Oph)

9th Floor PWB (Box 493 UMC), 516 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455

- [http://ophthalmology/](http://ophthalmology/)

### Oral Biology (OBio)

15-209 Moos T, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455

- [http://dentistry.umn.edu/](http://dentistry.umn.edu/)

### Oral and Maxillofacial Surgery (OSur)

7-174 Moos T, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455

- [http://dentistry.umn.edu/](http://dentistry.umn.edu/)

### ORGANIZATIONAL LEADERSHIP, POLICY AND DEVELOPMENT (OLPD)

330 Wulling Hall, 86 Pleasant Street SE, East Bank Campus, Minneapolis, MN, 55455

- [http://oldp/dentistry.umn.edu/](http://oldp/dentistry.umn.edu/)

### Personal Leadership in the University

(Credit will not be granted if credit has been received for: PA 1961W, OLDP 1302; A-F; credit will not be granted if credit already received for: EDPA 1301W; meets CLE req of Writing Intensive)

- [http://dentistry.umn.edu/](http://dentistry.umn.edu/)

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1302 Personal Leadership in the University

(credit will not be granted if credit has been received for: PA 3961, 100 cr max; A-F; credit will not be granted if credit already received for: EdPA 3271)

3201 Adult Education Overview

(A-F only; prereg college consent)

330 Leadership, You, and Your Community

(Credit will not be granted if credit has been received for: PA 3961, A-F; prereq [3302 or 3302W or PA 3961, 100 cr max]; grade of at least C or [soph at least 60 cr]; credit will not be granted if credit already received for: EdPA 3300)

5080 Special Topics in Business Ethics

(credit will not be granted if already received for: EdPA 5001)

63937 013 LEC; This section will be delivered online. The instructor will contact students regarding the technology requirements.; Meets with: 69347 PA 3961; permission number.; Meets with: 69068 PA 3961; Borders“ Living/Learning Community only. Seats are available to eligible students even when the section is listed as “Closed”. Please add yourself to the wait list to receive a permission number.; Meets with: 69268 PA 3961; Werner, Linnette, 3 cr

4318 Advanced Project Management

(A-F only; prereq 3218; credit will not be granted if credit already received for: EdPA 4218)

57709 001 DIS, 02:00pm-03:15pm MW, Ncich4 145; Fitzgerald-Sisk, Meg, 3 cr

4400 Education for Small Business Entrepreneurship

(A-F only)

52077 001 DRD, 02:30pm-03:45pm MW, STSS 512B, 3 cr

4401 E-Marketing

(A-F only; prereq 3001)

62082 102 KRD, 05:30pm-08:30pm Th, STSS 118, 3 cr

4420 Practicum in Nonprofit Organizations

(max crs 4; A-F only; prereq Admitted BME major, instr consent; or will not be given for this course until both semesters are completed)

62080 001 DR5, 02:40pm-04:10pm Th, Folli 31; Gaddey Jr, Roy Arthur, 2 cr

4426 Customer Service Training

(A-F only)

61011 001 LEC, 06:00pm-08:30pm M, ApH 3, 3 cr

4496 Internship: Business and Marketing Education

(max crs 4; S-N prereq 3061, 3624, 4626, or BME major)

61758 001 IEX; Meeting times assigned; Snyder, Lynn M., 1-4 cr

4602 Managing Work Teams

(A-F only; prereq Two core courses in HRD)

61527 001 LEC, 04:40pm-07:10pm Th, WuHi 240, 3 cr

4608 Introduction to International Human Resource Development

(A-F only; prereq 3001, 60 cr)

61528 001 CST, 09:00am-12:00pm F, STSS 123, 01/20/12-02/12/12; 09:00am-12:00pm F, STSS 123, 03/30/12-04/27/12; Course meets three dates TBD; Archidvili, Alexandre A, 3 cr

4696 Internship: Human Resource Development

(max crs 10; S-N only; prereq 3001, 3201, 3301, 3196, ADEd 3010)

61113 001 IEX; Undergraduate Students Only; Anderson, Okishio M., 1-10 cr

4870 Introduction to Integrating Human Rights into Organizational Leadership

(A-F only; prereq 3001, 60 cr)

62084 001 DIS; Rudelius-Palmer, Kristi Lynn, 3 cr

5001 Formal Organizations in Education

(credit will not be granted if credit already received for: EdPA 5001)

54666 001 LEC, 04:40pm-07:20pm M, STSS 503B; Brunner, C, Cryst, 3 cr

5011 Leading Organizational Change: Theory and Practice

(credit will not be granted if credit already received for: EdPA 5001)

67648 071 LEC; Ed Singapore, 3 cr

5060 Special Topics: Educational Policy and Administration

(max crs 24; 24 repeats allowed)

58579 001 WKS, 04:40pm-07:20pm M, Phys 143; Critical Issues in Higher Education: Quantum Jarrett Temple, 3 cr

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5381 The Search for Children and Youth Policy in the U.S. (credit will not be granted if credit already received for: EdPA 3381)
45664 001 LEC, 05:30pm-08:15pm M, Buhi 123; Soss, Joe, 3 cr

5385 Licensure Seminar: Program Policies and Inclusionary Leadership (S-N only; credit will not be granted if credit already received for: EdPA 3385)
52264 001 LEC, 04:00pm-09:10pm M, JohH 16, 01/21/ 12-02/06/12, 04:00pm-09:10pm M, JohH 16, 02/06/ 12-02/20/12, 04:00pm-09:10pm M, JohH 16, 02/27/12- 03/12/12; Sosha, Peter, 1 credit, MESI reflection session. Concurrent enrollment in EdPA 5524/EPsy 5525 is required. Students who do not enroll in EdPA 5385 will not receive credit for 5080.; Prof, Thrul, Thomas, 1 cr

5386 Leadership Portfolio Seminar (S-N only; prereq 5385 or Concurrent registration is required (or allowed) in 5385; credit will not be granted if credit already received for: EdPA 3386)
5215 001 LEC, 04:00pm-09:10pm Th, STSS 432A, 02/02/12- 02/16/12, 04:00pm-09:10pm Th, STSS 432A, 02/16/ 12-02/20/12, 04:00pm-09:10pm W, STSS 432A, 03/08/ 12-03/12/12, 2/16 will meet online. Students are required to bring a laptop computer to class.; Latimer, Sally, 1 cr

5397 Leadership for Teaching and Learning (prereq Undergrad degree; credit will not be granted if credit already received for: EdPA 3397)
53757 001 LEC, 04:00pm-09:10pm W, WullH 220, 01/18/ 12-02/11/12, 04:00pm-09:10pm W, WullH 220, 02/11/ 12-02/25/12, 04:00pm-09:10pm W, WullH 220, 02/25/ 12-03/07/12, 04:00pm-09:10pm W, WullH 220, 03/07/ 12-03/21/12, 04:00pm-09:10pm W, WullH 220, 04/04/ 12-04/14/12, York-Barr, Jennifer, 2 cr

5399 Community Education Leadership (credit will not be granted if credit already received for: EdPA 3399)
54993 001 LEC, 08:30am-04:00pm S, WullH 220, 01/28/ 12-02/12/12; Partially internet delivered; Latimer, Sally, 3 cr

5393 Leading School Finance Elections (S-N only; credit will not be granted if credit already received for: EdPA 3393)
57157 001 LEC, 08:30am-03:30pm S, APh 219, 04/21/ 12-04/25/12, 08:30am-03:30pm S, WullH 220, 04/26/ 12-04/28/12; Blessing, Todd, 1 cr

5396 Field Experience in PK-12 Administration: Authentic Practice in Leadership (max crs 12; 4 repeats allowed; S-N only; prereq instr consent); credit will not be granted if credit already received for: EdPA 3396)
45665 001 FWK, 04:00pm-09:10pm W, WullH 220, 02/08/ 12-02/28/12, 04:00pm-09:10pm W, WullH 220, 02/28/ 12-03/07/12, 04:00pm-09:10pm W, WullH 220, 03/07/ 12-03/17/12, 04:00pm-09:10pm W, WullH 220, 04/25/ 12-04/28/12, 0 cr max per licensure area. 12 cr max total.; Dragseth, Kenneth Allen, 3 cr

5405 Critical Issues in Business and Industry (max crs 12; 4 repeats allowed; S-N only; prerequisite: instr consent)
48663 001 LEC, 04:00pm-07:10pm Th, APh 226; Stett EdD, Tom, 3 cr

5454 Technical Development: Specialized (max crs 12; 4 repeats allowed; A-F only; prereq instr consent)
49596 001 LAB, Stettz EdD, Tom, 1-12 cr

5457 Methods of Teaching Business Employment and Marketing Employment (A-F only)
58535 001 LEC, 04:00pm-07:10pm M, RuttaHall B22; STPAUL; meets in same room as WHRE 5668; Horzadowsky PhD, Jerry Edward, 3 cr

5476 Field Based Projects in Business and Industry (max crs 4; S-N only)
49590 001 FWK, Stettz EdD, Tom, 1-4 cr

5493 Directed Study in Business and Industry (max crs 4)
49593 001 DST, Stettz EdD, Tom, 1-4 cr

5496 Occupational Experience in
### Online Class Schedule

Online Class Schedule at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012. This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

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<th>Instructor</th>
<th>Credits</th>
<th>Room</th>
<th>Time</th>
<th>Dates</th>
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<tr>
<td>57240 001 DIS</td>
<td>Advanced Organization</td>
<td>Cudworth, Rachel Beth</td>
<td>1-3 cr</td>
<td>TBA</td>
<td>04/28/12-04/28/12</td>
<td>2 cr</td>
<td>(credit will not be granted if credit has been received for: EPSY 8302)</td>
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<tr>
<td>59120 001 LEC</td>
<td>Leadership and Administration</td>
<td>Wambach, Cathrine A</td>
<td>2-3 cr</td>
<td>TBA</td>
<td>05/10/12-08/31/12</td>
<td>2 cr</td>
<td>(credit will not be granted if credit already received for: EdPA 8087)</td>
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<tr>
<td>8095 001 IEX</td>
<td>Educational Policy and Administration</td>
<td>King, Jean A</td>
<td>9 cr</td>
<td>TBA</td>
<td>11/01/12-04/03/13</td>
<td>9 cr</td>
<td>(Credit will not be granted if credit already received for: EdPA 8095)</td>
</tr>
<tr>
<td>8096 001 IEX</td>
<td>Internship: Educational Policy and Administration</td>
<td>King, Jean A</td>
<td>1-9 cr</td>
<td>TBA</td>
<td>11/01/12-04/03/13</td>
<td>9 cr</td>
<td>(Credit will not be granted if credit already received for: EdPA 8095)</td>
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<tr>
<td>8121 001 IEX</td>
<td>Doctoral Seminar: Comparative and International Development Education</td>
<td>King, Jean A</td>
<td>1-9 cr</td>
<td>TBA</td>
<td>11/01/12-04/03/13</td>
<td>9 cr</td>
<td>(Credit will not be granted if credit already received for: EdPA 8095)</td>
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<tr>
<td>8200 001 IEX</td>
<td>Leadership from Theory to Practice</td>
<td>King, Jean A</td>
<td>1-9 cr</td>
<td>TBA</td>
<td>11/01/12-04/03/13</td>
<td>9 cr</td>
<td>(Credit will not be granted if credit already received for: EdPA 8095)</td>
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<tr>
<td>8202 001 IEX</td>
<td>Education and Globalization: Anthropological Perspectives</td>
<td>King, Jean A</td>
<td>1-9 cr</td>
<td>TBA</td>
<td>11/01/12-04/03/13</td>
<td>9 cr</td>
<td>(Credit will not be granted if credit already received for: EdPA 8095)</td>
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<tr>
<td>8302 001 IEX</td>
<td>Educational Policy Perspectives</td>
<td>King, Jean A</td>
<td>1-9 cr</td>
<td>TBA</td>
<td>11/01/12-04/03/13</td>
<td>9 cr</td>
<td>(Credit will not be granted if credit already received for: EdPA 8095)</td>
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<tr>
<td>8333 001 IEX</td>
<td>Masters’ Seminar</td>
<td>King, Jean A</td>
<td>1-9 cr</td>
<td>TBA</td>
<td>11/01/12-04/03/13</td>
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<tr>
<td>8502 001 IEX</td>
<td>Program Evaluation Theory and Models: Qualitative and Quantitative Alternatives</td>
<td>King, Jean A</td>
<td>1-9 cr</td>
<td>TBA</td>
<td>11/01/12-04/03/13</td>
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<td>8595 001 IEX</td>
<td>Evaluation Problems</td>
<td>King, Jean A</td>
<td>1-9 cr</td>
<td>TBA</td>
<td>11/01/12-04/03/13</td>
<td>9 cr</td>
<td>(Credit will not be granted if credit already received for: EdPA 8095)</td>
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<tr>
<td>8596 001 IEX</td>
<td>Evaluation Internship</td>
<td>King, Jean A</td>
<td>1-9 cr</td>
<td>TBA</td>
<td>11/01/12-04/03/13</td>
<td>9 cr</td>
<td>(Credit will not be granted if credit already received for: EdPA 8095)</td>
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### Online Class Schedule

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#### University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

<table>
<thead>
<tr>
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<th>Credits</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>50336 001 LEC</td>
<td>MoosT 6-374; Vayda, Patricia Macchiarulo</td>
<td>0-5 cr</td>
<td>MoosT 6-374</td>
<td>0-5 cr</td>
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<tr>
<td>7113 Diagnosis &amp; Treatment Planning</td>
<td>(max crs 5; A-F only; prereq Admission to graduate orthodontic program)</td>
<td>50337 001 LEC; MoosT 6-374; Vayda, Patricia Macchiarulo</td>
<td>0-5 cr</td>
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<tr>
<td>7203 Clinical Orthodontics</td>
<td>(max crs 5; A-F only; prereq Admission to graduate orthodontic program)</td>
<td>50338 001 CLN; MoosT 6-345; Beyer, John Paul</td>
<td>0-5 cr</td>
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<tr>
<td>8123 Orthodontic Seminar</td>
<td>(max crs 2; A-F only; prereq Orthodontic grad student)</td>
<td>50339 001 LEC; MoosT 6-374; Piskla DDS, MS,Benjamin T</td>
<td>0-5 cr</td>
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<tr>
<td>8133 Topics in Orthodontics</td>
<td>(max crs 5; A-F only; prereq Orthodontic grad student)</td>
<td>50440 001 LEC; MoosT 6-374; Elkin, Suzan, 0-5 cr</td>
<td>0-5 cr</td>
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<tr>
<td>8143 Research in Orthodontics</td>
<td>(max crs 5; A-F only; prereq Orthodontic grad student)</td>
<td>50441 001 LEC; MoosT 6-374; Miller DDS, MS,James Robert</td>
<td>0-5 cr</td>
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### Orthopaedic Surgery (OrSu)

<table>
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<th>Days</th>
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<tr>
<td>7180 Orthopaedics I</td>
<td>(max crs 6; HNV)</td>
<td>47858 006 CLN, 0-6 cr</td>
<td>47859 006 CLN, 0-6 cr</td>
<td>0-6 cr</td>
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<tr>
<td>7185 Orthopaedics II: Extremity in Orthopaedic Surgery</td>
<td>(max crs 6; HNV)</td>
<td>47860 004 CLN, 0-6 cr</td>
<td>0-6 cr</td>
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<tr>
<td>7186 Research Problems in Orthopaedic Surgery</td>
<td>(max crs 12; HNV)</td>
<td>47861 004 DRS, 2-12 cr</td>
<td>0-12 cr</td>
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<td>7188 Extremity in Orthopaedic Surgery-CL</td>
<td>(max crs 6; HNV)</td>
<td>47862 006 CLN, 0-6 cr</td>
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<td>7190 Extremity in Orthopaedic Surgery-VA</td>
<td>(max crs 6; HNV)</td>
<td>47863 007 CLN, 0-6 cr</td>
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<tr>
<td>7191 Orthopedic Extremity-RC</td>
<td>(max crs 6; HNV)</td>
<td>47864 007 CLN, 0-6 cr</td>
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<tr>
<td>7192 Primary Care Orthopaedics-MT</td>
<td>(max crs 6; HNV)</td>
<td>47865 007 CLN, 0-6 cr</td>
<td>0-6 cr</td>
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<tr>
<td>7195 Orthopaedics for the Generalist</td>
<td>(max crs 6; HNV)</td>
<td>47866 005 ROT, 0-4 cr</td>
<td>0-4 cr</td>
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<tr>
<td>7200 Orthopaedic Surgical Subspeciality</td>
<td>(P-N only; prereq Med student)</td>
<td>50822 001 CLN, 2-4 cr</td>
<td>2-4 cr</td>
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### Pathology (Path)

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<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>8444 FTE: Doctoral</td>
<td>(NGA; prereq Doctoral student, adviser and DGS consent)</td>
<td>49740 001 THE, 1-1 cr</td>
<td>0-1 cr</td>
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<tr>
<td>8666 Doctoral Pre-Thesis Credits</td>
<td>(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr; credit will not be granted if credit already received for: EdPA 8666)</td>
<td>49791 001 DRD; Anderson, John Harold; Santi, Peter A; Margolis, Robert H; Juhn, Steven Sung-Kyun; Lin, Jizhen, 1-2 cr</td>
<td>0-2 cr</td>
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<tr>
<td>8247 Anatomy and Physiology of Hearing and Balance</td>
<td>(Credit will not be granted if credit has been received for: NSC 8247; prereq instr consent)</td>
<td>61048 001 LEC, 3 cr</td>
<td>0-3 cr</td>
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<tr>
<td>8248 Directed Readings in Auditory Physiology</td>
<td>(Credit will not be granted if credit has been received for: NSC 8248; max crs 2; prereq instr consent)</td>
<td>49799 010 DRD; Anderson, John Harold; Santi, Peter A; Margolis, Robert H; Juhn, Steven Sung-Kyun; Lin, Jizhen, 1-2 cr</td>
<td>0-2 cr</td>
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<tr>
<td>8250 Advanced Biochemistry of the Auditory System</td>
<td>(prereq Medc 6100, Medc 6101 or equiv or instr consent)</td>
<td>49798 001 SEM; Juhn, Steven Sung-Kyun, 1 cr</td>
<td>0-1 cr</td>
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<tr>
<td>8333 FTE: Master’s</td>
<td>(NGA; prereq Master’s student, adviser and DGS consent)</td>
<td>49368 001 THE, 1 cr</td>
<td>0-1 cr</td>
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<tr>
<td>8888 Thesis Credit: Doctoral</td>
<td>(max crs 100; 10 repeats allowed; NGA; max 18 cr per semester or summer; 24 cr required)</td>
<td>49831 001 THE, 1-24 cr</td>
<td>0-24 cr</td>
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<tr>
<td>7865 Departmental Seminar</td>
<td>(max crs 2; HNV)</td>
<td>50320 001 LEC, 1 cr</td>
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### Pediatri Denty (PDen)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>7000 Directed Research in Pediatric Dentistry</td>
<td>(S-N only)</td>
<td>56842 001 DRS; Beiraghi, Soraya; Grothe, Ronald, 1 cr</td>
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<tr>
<td>7100 Advanced Clinical Pediatric Dentistry</td>
<td>(max crs 5; A-F only)</td>
<td>49187 001 CLN; Beiraghi, Soraya; Grothe, Ronald, 1-5 cr</td>
<td>0-5 cr</td>
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<tr>
<td>7200 Advanced Pediatric Dentistry Techniques</td>
<td>(S-N)</td>
<td>50042 001 LAB; Beiraghi, Soraya; Grothe, Ronald, 0.50 cr</td>
<td>0-0.5 cr</td>
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<tr>
<td>8010 Pediatric Dentistry Diagnosis and Treatment Planning</td>
<td>(max crs 5; 5 repeats allowed; A-F only)</td>
<td>47974 001 PRC; Yueh, Bevan; Gapany, Markus; Hamlar Jr, David D; Maisel, Robert Henry; Cindrey, Frank G, 1 cr</td>
<td>0-1 cr</td>
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University of Minnesota - Class Schedule for Twin Cities Campus
Spring 2012

49190 001 SEM; Beiraghi, Soraya; Grothe, Ronald, 1 cr

8031 Independent Study in Pediatric Dentistry
(A-F only)
49993 001 DIS; 01/17-02/05/12; Beiraghi, Soraya; Grothe, Ronald, 2 cr

8100 Hospital Pediatric Dentistry
(S-N only)
49188 001 CLN; Grothe, Ronald; Beiraghi, Soraya, 1 cr
57665 003 CLN; Grothe, Ronald, 1 cr

8110 Pediatric Dentistry Outreach Experiences
(max crs 3; 3 repeats allowed; S-N only)
49189 001 CLN; Grothe, Ronald; Beiraghi, Soraya, 1 cr

PEDIATRICS (Ped)
13-118 PWB (Box 391 UMHC), 516 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-3113, http://www.peds.umn.edu

6121 Conflict, Anger, Aggression, Violence
(A-F only; prereq Ped 6121/PubH 6121)
57970 001 LEC; 10:10am-12:05pm T, Room TBA, TCEASTBANK; Topic prereq - Graduate students and, with permission of the instructor, junior and senior undergraduates in the biological and social sciences.; Potegal, Michael, 2 cr

7501 Pediatric Externship (HNV)
50381 001 CLN, 6 cr

7512 Pediatric Acting Internship
(max crs 6; HNV; prereq 7501)
50382 001 CLN, 2-6 cr

7531 Psychology Internship (NGA; prereq psych grad)
50383 001 LEC; Robiner PhD, William N, 12 cr

7533 Clinical Allergy at Fairview-University Medical Center (max crs 6; HNV)
50823 001 CLN, 3 cr

7534 Pediatric Cardiology at Fairview-University Medical Center (max crs 6; HNV)
50365 001 CLN, 3 cr

7535 Pediatric Infectious Diseases (max crs 6; HNV; prereq one ped rotation)
50363 001 CLN, 4 cr

7536 Pediatric Hematology/Oncology/Bone Marrow Transplantation (max crs 6; HNV; prereq 7501, 7512, or Med 7500.)
50384 001 CLN, 3 cr

7537 Pediatric Endocrinology and Metabolism (max crs 6; HNV; prereq 7501, 7512, or Med 7500.)
50368 001 CLN, 3 cr

7538 Pediatric Gastroenterology and Nutrition (max crs 6; HNV)
50385 001 CLN, 3 cr

7539 Neonatal Medicine Externship (max crs 6; HNV; prereq 7501, 7512, or Med 5700)
50816 001 CLN, 3 cr

7540 Pediatric Neurology (HNV)
60003 001 CLN, 4 cr

7543 Pediatric Nephrology at Fairview-University Medical Center (max crs 6; HNV)
50386 001 CLN, 3 cr
7544 Pulmonary Disease in Pediatrics

PERIODONTICS (Perio)
7-368 MoosT, 515 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5400, http://dentistry.umn.edu

5123 Practice Management Externship
(prereq Resident in advanced education program in periodontology) 50041 001 SEM, 1 cr

7321 Periodontics/Orthodontics Seminar (S-N)
50184 001 LEC; 12:00pm-01:00pm M, , Room TBA, 1 cr

7322 Multidisciplinary Treatment Seminar in Dentistry Related to Periodontics (S-N only; prereq Resident enrolled in periodontology, endodontics, pediatric dentistry, AEGD/GPR, prosthetics)
54351 001 SEM; 7-580 Moos Tower, 1 cr

8000 Advanced Clinical Periodontology
(max crs 3; A-F only; prereq Resident in advanced education program in periodontology) 49207 001 CLN; (hrs arr M-F in MoosT 7-468; 4 hr shifts), 1-3 cr

8200 Clinical Seminars
(prereq Resident in advanced education program in periodontology) 49208 001 SEM, 09:00am-09:50am M, Moos T-580, 1 cr

8250 Anatomy of the Periodontium (A-F only; prereq Resident in advanced education program in periodontology) 50840 001 SEM, 1 cr

PHARMACEUTICS (Phm)

9-177 Weaver-Densford Hall, 308 Harvard Street SE, East Bank Campus, Minneapolis, MN, 55455
612/624-5153, http://www.pharmacy.umn.edu/pharmaceutics

8100 Seminar: Pharmacuetics
(max crs 4; 4 repeats allowed; S-N only; prereq Grad Phm major)
48499 001 SEM; 04:00pm-05:15pm Th, Room TBA, TCEASTBANK; Meets with: 48768 PHAR 6260H; Suryanarayanan, Raj, 1 cr

8110 Readings in Pharmacuetics
(max crs 4; 4 repeats allowed; S-N only; prereq Grad Phm major)
48609 001 LEC; Wiedmann, Timothy Scott, 1 cr

8120 Readings in Central Nervous System (CNS) Drug Delivery
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)
57773 001 DRD; Farbanks, Carolyn Ann, 1 cr

8150 Pharmacokinetics Research Seminar
(Credit will not be granted if credit has been received for: PHAR 6223; max crs 12; 12 repeats allowed; S-N only; prereq Grad Phm major)
53556 001 SEM; Elmquist, William Frederick, 1 cr

8295 Research Problems in Pharmaceutics
(max crs 20; 20 repeats allowed; S-N only; prereq instr consent)
50026 001 DSI, 1 cr

8333 FTE: Master's
(NGA; prereq Master's student, adviser and DGS consent)
49372 001 THE, 1 cr

8421 Advanced Pharmacokinetics
(A-F only)
57153 001 LEC; Elmquist, William Frederick; Zimmerman, Cheryl L, 4 cr

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
49473 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49595 001 THE, 1-6 cr

8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
49726 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49834 001 THE, 1-24 cr

PHARMACOLOGY (Phcl)
6-120 Jackson Hall, 321 Church Street SE, East Bank Campus, Minneapolis, MN, 55455
612/625-9997, http://www.pharmacology.med.umn.edu

3100 Pharmacology for Pre-Med and Life Science Students
(A-F only; prereq College-level biology; biochemistry or physiology recommended)
54303 001 LEC; 01:25pm-03:20pm W, Room TBA, TCEASTBANK; Wei, Li-Na; Haas PhD, Hiroshi, 2 cr

5102 Pharmacology for Pharmacy Students
(A-F only; prereq 5101 or instr consent)

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Hennepin County Medical Center, 807 Park Avenue clinic. Students can enroll for either the Feb. 2-Feb. 23 session, or the Mar. 2-Mar. 29 session (class does not meet on Mar. 22): Bart, Gavin Bryce; Roy, Sabatia, 1 cr

5961 001 C 09:00am-10:05am Th, Room TBA OFFFMCPTC; Course consists of a 4-week rotation at the Hennepin County Medical Center, 807 Park Avenue clinic. Students can enroll for either the Feb. 2-Feb. 23 session, or the Mar. 2-Mar. 30 session.; Roy, Sabatia; Bart, Gavin Bryce, 1 cr

8216 Signal Transmission and Gene Expression (prereq BIOG 5902 or instr consent) 57585 001 LEC, 08:50am-10:05am TTh, Room TBA TCEASTBANK; Meets with: 48810 BIOC 8216; Kim, Do-Hyung, 3 cr

8320 Readings in Neurobiology (max ccrs 4; A-F only; prereq: instr consent; A-F only; prereq Grad student or instr consent) 59586 001 DIS, 02:30pm-03:30pm Th, Room TBA, STPAUL; Pain Journal Club S/N Only; Meets with: 50404 NSC 8505; Farbansky, Carolyn Ann, 1 cr

8333 FTE: Master’s (NGA; prereq Master’s student, adviser and DGS consent) 49370 001 THE, 1 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent) 49471 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits (max ccrs 12; A-F only; prereq Doctoral Student who has not passed prelim oral; no required consent for 1st/2nd registrations; up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register, up to six, up to 60 combined cr) 49590 001 THE, 1-6 cr

8777 Thesis Credits: Master’s (max ccrs 10; A-F only; prereq Master’s student, adviser and DGS consent) 49524 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral (max ccrs 10; A-F only; prereq Master’s student, adviser and DGS consent) 49532 001 THE, 1-24 cr

8100 Orientation to Pharmacy (prereq Grad student and consent) 48447 001 INI; Lounsbery, John; 2 cr

1001 Orientation to Pharmacy (prereq) 48440 001 INI; Taylor, Charles T, 2 cr

1002 Health Sciences Terminology (prereq) 57541 001 INI; This course reserved for Nursing BSN – TC campus; 10 seats reserved for Nusr student; 100 seats reserved for Nursing RN; Rochester; Lounsbery, John, 2 cr

1003 Non-Prescription Medications and Self-Care: Treating Minor Conditions (prereq) 51761 001 INI; Milone PharmD, Anna S, 2 cr

1002 Health Sciences Terminology (prereq) 57541 001 INI; This course reserved for Nursing BSN – TC campus; 10 seats reserved for Nusr student; 100 seats reserved for Nursing RN; Rochester; Lounsbery, John, 2 cr

10001 Orientation to Pharmacy 48447 001 INI; Lounsbery, John; 2 cr

10001 Orientation to Pharmacy (prereq) 48440 001 INI; Taylor, Charles T, 2 cr

8209 Substance Abuse at the Bedside (prereq Upper Div grad student or instr consent) 59593 001 CLN; 08:00am-10:30am T, TCEASTBANK; Meets with: 69510 MICA 8209; Dunham, Earl W., 3 cr

8014 Small RNA Biology (prereq: BIOG 6002 or MICA 8004 or equiv or instr consent) 69270 001 LEC, 01:00pm-02:30pm Th., AHC RM TBA TCEASTBANK; Meets with: 69310 GCD 8014, 69048 NSC 8014; Subramanian PhD, Subree, 2 cr

8110 Advanced Pharmacology (prereq: 5110 or instr consent) 55201 001 LEC, 01:00pm-03:30pm M, JacH 6-135, 1 cr

8209 Substance Abuse at the Bedside (prereq Upper Div grad student or instr consent) 59593 001 CLN; 08:00am-10:30am T, TCEASTBANK; Meets with: 69510 MICA 8209; Dunham, Earl W., 3 cr

8014 Small RNA Biology (prereq: BIOG 6002 or MICA 8004 or equiv or instr consent) 69270 001 LEC, 01:00pm-02:30pm Th., AHC RM TBA TCEASTBANK; Meets with: 69310 GCD 8014, 69048 NSC 8014; Subramanian PhD, Subree, 2 cr

University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

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This is a class schedule for the University of Minnesota Twin Cities Campus for Spring 2012. The text is a list of courses offered, including course numbers, titles, instructors, and meeting times. Each course is located on the schedule, which can be accessed through the University of Minnesota online class schedule at [http://onestop.umn.edu](http://onestop.umn.edu). Important information includes verifying room locations before attending the first class, and noting that the information is accurate as of 10/20/2012 and subject to change. The schedule is provided in a readable format, allowing easy access to course details.
### University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

- **61586 001 IND; Janke PhD, Kristin Kari, 0.50-1.50 cr**
- **7010 APPE Continuing Professional Development Portfolio (max crs 1.50; S-N; prereq 3rd yr pharmacy student)**
- **7120 Community Practice Experience (A-F only; prereq Pharm. D. IV, Minn Board of Pharm intern, criminal bkgr chkl, BLS CPR cert for infants/children/adults, proof of negative Mantoux test)**
- **7122 Acute Patient Care Practice Experience I (A-F only; prereq Pharm.D. III; Minn Board of Pharm intern, criminal bkgr chkl, BLS CPR cert for infants/children/adults, proof of negative Mantoux test or [explanation of positive test], proof of chicken pox immunity)**
- **7123 Ambulatory Patient Care Practice Experience (A-F only; prereq Pharm. D. IV, Minn Board of Pharm intern, criminal bkgr chkl, BLS CPR cert for infants/children/adults, proof of negative Mantoux test or [explanation of positive test], proof of chicken pox immunity)**
- **7126 Patient Care Practice Experience (A-F only; prereq Pharm.D. III, Minn Board of Pharm intern, criminal bkgr chkl, BLS CPR cert for infants/children/adults, proof of negative Mantoux test or [explanation of positive test], proof of chicken pox immunity)**
- **7128 Acute Patient Care Practice Experience II (A-F only; prereq Pharm.D. III, Minn Board of Pharm intern, criminal bkgr chkl, BLS CPR cert for infants/children/adults, proof of negative Mantoux test or [explanation of positive test], proof of chicken pox immunity)**
- **7129 Elective Practice Experience I (A-F only; prereq Pharm.D. III, Minn Board of Pharm intern, criminal bkgr chkl, BLS CPR cert for infants/children/adults, proof of negative Mantoux test or [explanation of positive test], proof of chicken pox immunity)**
- **7130 Elective Practice Experience II (A-F only; prereq Pharm.D. III, Minn Board of Pharm intern, criminal bkgr chkl, BLS CPR cert for infants/children/adults, proof of negative Mantoux test or [explanation of positive test], proof of chicken pox immunity)**
- **7131 Elective Practice Experience III (A-F only; prereq Pharm.D. III, Minn Board of Pharm intern, criminal bkgr chkl, BLS CPR cert for infants/children/adults, proof of negative Mantoux test or [explanation of positive test], proof of chicken pox immunity)**
- **7171 Elective Practice Experience V (A-F only; prereq Pharm.D. III; Minn Board of Pharm intern, criminal bkgr chkl, BLS CPR cert for infants/children/adults, proof of negative Mantoux test or [explanation of positive test], proof of chicken pox immunity)**
- **9101 Introduction to Logic (Credit will not be granted if credit has been received for: PHIL 1001H, PHIL 1001; meet CLE req of Mathematical Thinking)**
- **1002W Introduction to Philosophy (Credit will not be granted if credit has been received for: PHIL 1002W, PHIL 1002V, PHIL 1025W, PHIL 1102; meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)**
4959 Senior Project (Directed Studies)  
(A-F: prereq instr consent, dept consent)  
56079 001 DST, 1 cr  
4959M Honors Senior Project  
(A-F: prereq instr consent, dept consent; meets HON req of Honors)  
59972 001 DST, 1 cr  
5211 Modal Logic  
(prereq 5202 or instr consent)  
68423 001LEC, 02:30pm-03:45pm TTh, HellerH 731;  
Cook, Roy Thomas, 3 cr  
5221 Philosophy of Logic  
(prereq 5202 or instr consent)  
68423 001LEC, 02:30pm-03:45pm TTh, HellerH 731;  
Cook, Roy Thomas, 3 cr  
5415 Philosophy of Law  
(max crs 1004 or 3002 or social science major or instr consent)  
56366 001LEC, 01:25pm-02:15pm MWF,  
ROOM TBA;  
Bick, Brian H, 3 cr  
5510 Philosophy of the Individual Arts  
(Credit will not be granted if credit has been received for:  
PHIL 4510; prereq 5302)  
68425 001LEC, 02:30pm-03:45pm TTh, BiegH 230;  
Meets with:  
68424 4510;  
Kac, Michael J, 3 cr  
5602 Scientific Representation and Explanation  
(prereq instr consent to program)  
68421 001LEC, 03:35pm-06:05pm W,  
TBA;  
Heller, Geoffrey, 3 cr  
5993 Directed Studies  
(max crs 6; 6 repeats allowed; prereq instr consent)  
46923 001 DST, 1-3 cr  
5994 Directed Research  
(max crs 6; 6 repeats allowed; prereq instr consent)  
48074 001 DRS, 1-3 cr  

**PHYSICAL EDUCATION (PE)**  
220 Cooke Hall, 1900 University Ave SE,  
East Bank Campus, Minneapolis, MN, 55455  
612/625-5300, http://cehd.umn.edu/kin  

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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at <http://onestop.umn.edu>. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
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<td>Squash Racquets</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
1046 Tae Kwon Do (OPN)
50544 002 LEC, 10:10am-11:00am TTh, CookeH 325; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">One Stop</a> for course fees.; Smith, Michael F. 1 cr

1046 Bowling (OPN)
45967 002 PHY, 08:00am-08:50am T, CookeH 25; Registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">One Stop</a> for course fees.; Schmidt, Michael F. 1 cr

1053 Ice Skating (OPN)
46345 001 PHY, 05:00pm-05:50pm T, CookeH LOBBY, 01/17/12-03/10/12, 05:00pm-05:50pm T, ROOM COOKE, 01/17/12-03/10/12, 05:00pm-05:50pm TH, ROOM COOKE, 01/17/12-03/10/12, 05:00pm-05:50pm T, ROOM COOKE, 01/17/12-03/10/12; Meeting 1st day in Cooke Hall Lobby, after that at Hyland Hills. Directions to the ski area can be found at <a href="http://www.hylandski.com/"
>http://www.hylandski.com/</a>. If registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">One Stop</a> for course fees.; Schmidt, Michael F. 1 cr

1057 Beginning Skiing (OPN)
46346 002 PHY, 05:00pm-05:50pm T, CookeH LOBBY, 01/17/12-03/10/12, 05:00pm-05:50pm T, ROOM COOKE, 01/17/12-03/10/12, 05:00pm-05:50pm TH, ROOM COOKE, 01/17/12-03/10/12, 05:00pm-05:50pm T, ROOM COOKE, 01/17/12-03/10/12; Meeting 1st day in Cooke Hall Lobby, after that at Hyland Hills. Directions to the ski area can be found at <a href="http://www.hylandski.com/"
>http://www.hylandski.com/</a>. If registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">One Stop</a> for course fees.; Focke, Alex, 1 cr

1058 Snowboarding (OPN, pre: Good general health, injury free)
50080 001 PHY, 04:00pm-08:00pm T, CookeH LOBBY, 01/17/12-03/10/12, 04:00pm-08:00pm T, ROOM COOKE, 01/17/12-03/10/12, 04:00pm-08:00pm T, ROOM COOKE, 01/17/12-03/10/12, 04:00pm-08:00pm T, ROOM COOKE, 01/17/12-03/10/12; Meeting 1st day in Cooke Hall Lobby, after that at Hyland Hills. Directions to the ski area can be found at <a href="http://www.hylandski.com/"
>http://www.hylandski.com/</a>. If registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">One Stop</a> for course fees.; Schmidt, Michael F. 1 cr

1059 Track and Field (OPN)
45976 001 PHY, 11:15am-12:30pm TTh, Fieldhouse Track: Fieldhouse. If registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">One Stop</a> for course fees.; Peterson, Charles E. 1 cr

1067 Basketball (OPN)
45977 001 PHY, 10:10am-11:00am MW, URecCtr 320; URecCtr (North Gym). If registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">One Stop</a> for course fees.; Focke, Alex, 1 cr

1071 Beginning Cricket (OPN)
53952 001 PHY, 08:00am-08:50am F, Fieldhouse 50; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">One Stop</a> for course fees.; Peterson, Charles E. 1 cr

1072 Soccer (OPN)
46136 001 PHY, 10:10am-11:00am 5W, Fieldhouse 50, 01/17/12-03/10/12, 08:00am-09:40am MW, ROOM COOKE, 01/17/12-03/10/12, 08:00am-09:40am TH, ROOM COOKE, 01/17/12-03/10/12, 08:00am-09:40am TH, ROOM COOKE, 01/17/12-03/10/12; Meeting 1st day in Cooke Hall Lobby, after that at Hyland Hills. Directions to the ski area can be found at <a href="http://www.hylandski.com/"
>http://www.hylandski.com/</a>. If registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">One Stop</a> for course fees.; Peterson, Charles E. 1 cr

1074 Beginning Volleyball (OPN)
45980 001 PHY, 01:25pm-03:05pm M, CookeH 325; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; See <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">One Stop</a> for course fees.; Peterson, Charles E. 1 cr
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<td>01 PHY, 1:15pm-12:15pm M</td>
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<td>01 PHY, 11:00am-12:30pm M, 02/01/12; Please check the Web site a href= <a href="http://superiorexpeditions.com/">http://superiorexpeditions.com/</a>&quot; for forms and notes for requirements and limitations for SCUBA diving. See a href= <a href="http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html">http://onestop.umn.edu/finances/costs_and_tuition/tuition_and_fees/course_fees.html</a>&quot; a; for course fees.; If registration is unsuccessful via the registration and waitlist, student should plan to attend the first two days of class - open seats often become available.; 3 seats reserved for non-PSEO, non-admitted student.; Karl, Robert J, 1 cr</td>
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<td>8248 Musculoskeletal Rehabilitation II</td>
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<td>20628 001</td>
<td>Olson-Kellogg, Becky Jo</td>
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<tr>
<td>57940 009 SEM</td>
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<tr>
<td>8333 FTE</td>
<td>Master's (NGA; preregisted Masters student, adviser and DOG consent)</td>
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<td>Instructor(s)</td>
<td>CR</td>
<td>Time</td>
<td>Days</td>
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<td>6200 Interns 200 DIS</td>
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<td>52114 001</td>
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<td>50520 108 LAB</td>
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<tr>
<td>55737 108 SEM</td>
<td>Snow MD, PhD, LeAnn M</td>
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<td>57940 009 SEM</td>
<td>Nuckley PhD, David J</td>
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University of Minnesota - Class Schedule for Twin Cities Campus
Spring 2012

1251 Physics I
(A-F only; prerequisite Grade of at least C- in [MATH 1171 or equivalent] or concurrent registration is required (or allowed) in Math 1271 or Concurrent registration is required (or allowed) in MATH 1271; meets CLEq req of Physical Sciences; meets CLEq req of Writing Intensive)
100 LEC, 12001: 08:00am-09:05am MWF, Phys 305; 3 hour common final

101 DIS, 12002: 12:20pm-01:10pm Th, Jochel 16
45760 101 LAB, 10:10am-12:05pm Th, Phys 151, 4 cr
45704 102 LAB, 11:15am-01:10pm Th, Phys 151, 4 cr

140V Honors Physics I
(Credit will not be granted if credit has been received for: PHYS 1200W, PHYS 1402V. Concurrent registration is required (or allowed) in Math 1271 or Concurrent registration is required (or allowed) in MATH 1271; meets CLEq req of Physical Sciences; meets CLEq req of Writing Intensive; meets HON req of Honors)
001 LEC, 11:15am-12:05pm MWF, Phys 151; 3 hour final
002 DIS, 10:10am-11:00am Th, Phys 252, 4 cr
003 DIS, 10:10am-11:00am Th, Phys 252, 4 cr
004 DIS, 10:10am-11:00am Th, Phys 252, 4 cr
54874 005 LAB, 12:00pm-01:55pm W, Phys 160, 4 cr
54875 006 LAB, 01:20pm-03:15pm W, Phys 160, 4 cr
54876 007 LAB, 09:05am-11:00am W, Phys 160, 4 cr
54877 008 LAB, 02:30pm-04:25pm W, Phys 160, 4 cr
54878 009 LAB, 08:20am-10:15am W, Phys 160, 4 cr
54879 010 LAB, 12:20pm-02:15pm Th, Phys 154, 4 cr
57521 S27 LAB, 07:30pm-09:25pm W, Phys 155, 3 seats reserved for non-PSEO, non-admitted student, 4 cr
57522 S27 LAB, 07:30pm-09:25pm W, Phys 155, 3 seats reserved for non-PSEO, non-admitted student, 4 cr
59764 015 LAB, 08:00am-09:55am Th, Phys 154, 3 cr

1301W Introductory Physics for Science and Engineering I
(Credit will not be granted if credit has been received for: PHYS 1210W, PHYS 1220W. Concurrent registration is required (or allowed) in Math 1271 or Concurrent registration is required (or allowed) in MATH 1271; meets CLEq req of Physical Sciences; meets CLEq req of Writing Intensive)
100 LEC, 12001: 08:00am-09:55am MWF, Phys 130; 3 hour common final

101 DIS, 12002: 12:20pm-01:10pm Th, Jochel 16
45760 101 LAB, 10:10am-12:05pm Th, Phys 151, 4 cr
45704 102 LAB, 11:15am-01:10pm Th, Phys 151, 4 cr

140V Honors Physics II
(Credit will not be granted if credit has been received for: PHYS 1202W, PHYS 1222W. concurrent registration is required (or allowed) in MATH 1272 or Concurrent registration is required (or allowed) in MATH 1272; meets CLEq req of Physical Sciences; meets CLEq req of Writing Intensive; meets HON req of Honors)
001 LEC, 11:15am-12:05pm MWF, Phys 151; 3 hour final
002 DIS, 10:10am-11:00am Th, Phys 252, 4 cr
003 DIS, 10:10am-11:00am Th, Phys 252, 4 cr
004 DIS, 10:10am-11:00am Th, Phys 252, 4 cr
54874 005 LAB, 12:00pm-01:55pm W, Phys 160, 4 cr
54875 006 LAB, 01:20pm-03:15pm W, Phys 160, 4 cr
54876 007 LAB, 09:05am-11:00am W, Phys 160, 4 cr
54877 008 LAB, 02:30pm-04:25pm W, Phys 160, 4 cr
54878 009 LAB, 08:20am-10:15am W, Phys 160, 4 cr
54879 010 LAB, 12:20pm-02:15pm Th, Phys 154, 4 cr
57521 S27 LAB, 07:30pm-09:25pm W, Phys 155, 3 seats reserved for non-PSEO, non-admitted student, 4 cr
57522 S27 LAB, 07:30pm-09:25pm W, Phys 155, 3 seats reserved for non-PSEO, non-admitted student, 4 cr
59764 015 LAB, 08:00am-09:55am Th, Phys 154, 3 cr

1905 Freshman Seminar
(max crs 6; A-F only; prerequisite 58890 001 LEC, 02:00pm-02:54pm Th, Phys 157; 3 hour final; Goldin, Allen M Z; 2 cr; Science and Pseudoscience

201 Quantum Physics
(max crs 3; A-F only; prerequisite: Freshman Seminar: Writing Intensive)
100 LEC, 11:15am-12:05pm Th, Phys 143; 3 hour final, 1-3 cr

2303 Physics III: Physics of Matter
(Credit will not be granted if credit has been received for: PHYS 2403H, PHYS 2503; prerequisite: 1302, [MATH 1271C MATH 1272 or MATH 1272H]; [MSc or Ed credential)
45761 001 LEC, 10:10am-11:00am MTWF, Phys 131; (3 hr final), Ganz, Eric D., 4 cr

2601 Quantum Physics Laboratory
(max crs 0; prerequisite enrollment Math 2243 or Math 2373 or Math 2574H)
001 LEC, 12:00pm-01:10pm TThWF, Phys 131; 3 hour final; Kacprzak, Janek
51970 002 DIS, 12:00pm-01:10pm Th, Phys 143, 4 cr
51971 002 DIS, 12:00pm-01:10pm Th, Phys 143, 4 cr
51972 004 DIS, 01:25pm-02:15pm M, Kohlh 134, 4 cr
51973 005 DIS, 09:05am-09:55am M, Phys 143, 4 cr
56342 005 DIS, 09:05am-09:55am M, Phys 143, 4 cr
69236 007 DIS, 11:15am-12:05pm Th, Amund 104, 4 cr

2605 Quantum Physics Laboratory
(preliminary enrollment Math 2243 or Math 2373 or Math 2574H)
001 LEC, 12:00pm-01:10pm Th, Phys 143, 4 cr
54792 002 LAB, 02:00pm-03:05pm Th, Phys 62, 3 cr
54793 003 LAB, 02:00pm-03:05pm Th, Phys 62, 3 cr
54794 004 LAB, 02:00pm-03:05pm Th, Phys 62, 3 cr
54795 005 LAB, 02:00pm-03:05pm Th, Phys 62, 3 cr
56341 006 LAB, 02:00pm-03:05pm F, Phys 62, 3 cr

3022 Introduction to Cosmology
(preliminary enrollment Math 2243 or Math 2373 or Math 2574H)
61570 001 LEC, 10:10am-11:00am MWF, Phys 102; 3 hour final; Haines, Paul M., 5 cr

3071W Laboratory-Based Physics for Teachers
(Requires College algebra; no credit for CSE students; meets CLEq req of Physical Sciences; meets CLEq req of Writing Intensive)
48573 005 LAB, 12:00pm-01:15pm MT, Phys 143, 4 cr
48574 006 LAB, 12:00pm-01:15pm MT, Phys 143, 4 cr
48575 007 LAB, 12:00pm-01:15pm MT, Phys 143, 4 cr
48576 008 LAB, 12:00pm-01:15pm MT, Phys 143, 4 cr
5002 Quantum Mechanics II
(prereq 5001 or equiv)
001 LEC, 11:15am-12:05pm MWF, Phys 210; (3 hr final); Qian, Yunghsing
56624 002 DIS, 11:15am-12:05pm T, Phys 157; 4 cr
56625 003 DIS, 12:20pm-01:10pm T, Phys 143; 4 cr

5012 Classical Physics II
(prereq 5011 or instr consent)
46349 001 LEC, 10:10am-11:00am MTWF, Phys 210; (3 hr final); Cronin-Hennessy, Daniel P, 4 cr

5042 Analytical and Numerical Methods of Physics II
(prereq 5041 or instr consent)
67968 001 LEC, 02:30pm-03:20pm MTWF, Phys 236A; (3 hr final); Alley, Douglas, 4 cr

5072 Best Practices in College Physics Teaching
(max crs 5; 5 repeats allowed)

5058 Introduction to Biopolymer Physics
(Credit will not be granted if credit has been received for: PHYS 4911; prereq working knowledge of [thermodynamics, statistical mechanics])
68769 001 LEC, 10:10am-11:00am MWF, Phys 236A; 3 hour final; Meets with: 68768 PHYS 4911; Mueller, Joachim, 3 cr

5042 Radiological Physics
(prereq 1302 or 1402)
67969 001 LEC, 12:30pm-02:30pm MWFTHF, MecHeE 102; (3 hr common final), 4 cr
64662 663 LEC, 02:30pm-03:20pm WMTFh., ROOM TBA, OFFCMPTC, instruction mode : Instruction Mode : Web based, online course. REGISTRATION MUST BE PROCESSED THRU UNITE DISTRIBUTED LEARNING. For computer requirements AND REGISTRATION MATERIALS see www.unite.umn.edu. Registration will be thru UNITE Distributed Learning; which means a service fee will also be required in addition to normal University tuition & fees.(100 per credit). Registration form(s) found on UNITE's web page. All homework and exams are due on the same date as for on-campus students. Exams need to be proctored. Questions: 612-624-2332.; Broadhurst, John Henry, 4 cr

5701 Solid-State Physics for Engineers and Scientists
(prereq Grad or advanced undergrad in physics or engineering or the sciences)
68767 001 LEC, 12:45pm-02:00pm MW, Phys 236A; 3 hour final; Greven, Martin, 4 cr

5970 Physics Journal Club
(max crs 3; S-N only; prereq Grad or advanced undergrad in physics, dept consent)
64309 001 COL, 02:30pm-04:25pm W, Phys 131, 03:35pm-04:25pm W, Phys 143, 1 cr

5980 Introduction to Research Seminar
(max crs 3; S-N only; prereq Grad or advanced undergrad in physics, dept consent)
56324 001 SEM, 03:35pm-04:25pm F, Phys 157; 3 cr

5993 Directed Studies
(max crs 15; 10 repeats allowed; prereq instr consent, departmental approval)
46335 001 DIST, 1-5 cr

5994 Directed Research
(max crs 15; 10 repeats allowed; prereq Jr, dept consent)
46336 001 DRS, 1-5 cr

8101 Quantum Field Theory I
(prereq 5001 or instr consent)
46359 001 LEC, 12:45pm-02:00pm TTH, Phys 157; (3 hr final); Peloso, Marco, 3 cr

8100 Seminar: Problems of Physics Teaching and Higher Education
(max crs 3; S-N only; prereq Grad or advanced undergrad in physics, dept consent)
48971 001 SEM, 02:30pm-04:55pm F, Phys 143, 1 cr

8200 Seminar: Cosmology and High Energy Astrophysics
(max crs 3; S-N only; prereq instr consent)
52221 001 SEM, 12:15pm-01:30pm M., ROOM TBA, 1 cr

8300 Seminar: Biological and Medical Physics.
(max crs 6; 6 repeats allowed; S-N only; prereq instr consent)
60127 001 SEM, 02:30pm-03:20pm T, Phys 210, 1 cr

8333 FTE: Master’s
(NGA; prereq Master’s student, adviser and DGS consent)
49374 001 THE, 1 cr

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
49475 001 THE, 1 cr

8500 Plan B Project
(prereq instr consent; may be taken once to satisfy Plan B master's project requirement; no credit toward PhD)
46357 001 DRS, 4 cr

8600 Seminar: Space Physics
(max crs 6; 5 repeats allowed; S-N only)
46353 001 SEM, 10:20pm-02:15pm T, Phys 236A; 1 cr

8611 Cosmic Rays and Plasma Astrophysics
(prereq 5102 or instr consent)
67970 001 LEC, 09:05am-09:55am MW, Phys 236A; (3 hr common final); Lysak, Robert L, 3 cr

8666 Doctoral Pre-Thesis Credits
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49597 001 THE, 1-16 cr

8700 Seminar: Condensed Matter Physics
(max crs 6; 6 repeats allowed; S-N only; prereq instr consent)
46354 001 SEM, 01:25pm-03:00pm Th, Phys 210, 1 cr

8702 Statistical Mechanics and Transport Theory
(prereq 5101 or instr consent)
46350 001 LEC, 02:30pm-03:30pm MW, Phys 143; (3 hr final); Vinals, Jorge, 3 cr

8712 Solid-State Physics II
(prereq 8711 or instr consent)
46351 001 LEC, 04:40pm-05:55pm TTH, Phys 157; (3 hr final); Kamenev, Alex, 3 cr

8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
49727 001 THE, 1-18 cr

8800 Seminar: Nuclear Physics
(max crs 6; 6 repeats allowed; S-N only)
46355 001 SEM, 01:25pm-03:00pm W., ROOM TBA, 1 cr

8801 Nuclear Physics I
(prereq 5001 or concurrent reg in 5001)
68087 001 LEC, 09:45am-11:00am TTH, Phys 157; (3 hr common final); Heger, Alexander, 3 cr

8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49835 001 THE, 1-24 cr

8900 Seminar: Elementary Particle Physics
(max crs 6; 6 repeats allowed; S-N only)
46356 001 SEM, 02:30pm-04:00pm T., ROOM TBA, 1 cr

8902 Elementary Particle Physics II
(prereq 6901 or instr consent)
46352 001 LEC, 04:40pm-05:55pm MW, Phys 236A; (3 hr final); Vainshtein, Arkady, 3 cr

8911 Introduction to Supersymmetry
(A-F.; prereq 8011 or instr consent)
68801 001 LEC, 04:45pm-06:00pm T, Phys 236A; 3-hour final; Shifman, Mikhail A, 3 cr

8994 Research in Physics
(max crs 24; 24 repeats allowed; prereq instr consent)
46358 001 DRS, 1-12 cr

PHYSIOLOGY (Phsl)
6-125 Jackson Hall, 321 Church Street S.E., East Bank Campus, Minneapolis, MN, 55455
612-622-5902, http://physiology.med.umn.edu

3051 Human Physiology
(Credit will not be granted if credit has been received for: PHSL 3060; prereq BIOL 1009 or 1 yr college)
5116 Clinical Biological II (A-F only; prereq instr consent)
52327 001 LEC, 09:00am-12:05pm F, Room TBA, TCEASTBANK; This course is suitable for nursing anesthesia and undergraduate students who have had a physiology course. Prerequisite is instructor permission.; Anderson PhD, Lisa Carney, 3 cr

5444 Muscle
(Credit will not be granted if credit has been received for: BIOC 5444; ANAT 3061 or 3071 or Bio1 3021 or Bio1 4331 or instr consent; Credit will not be granted if credit has been received for MdBl 5444 or VPB 5444)
49701 001 LEC, 04:00pm-05:00pm TTh, MCB 3-120; Meets with: 50470 Bio1 5444, 52565 BMEN 5444; Thomas, David G, 3 cr

5510 Advanced Cardiac Physiology and Anatomy (prereq instr consent)
50101 001 LET, 07:00am-09:00pm M, Room TBA, TCEASTBANK, 12/16/11-08/31/12;ätt, David David, 3 cr

5525 Anatomy and Physiology of the Pelvis and Urinary System (Credit will not be granted if credit has been received for: ANAT 5525; max crs 2; S-N only)
61589 001 LEC, 09:05am-12:05pm MWF, Room TBA, TCEASTBANK, 12/16/11-08/31/12; Kaye, Peter A., 3 cr

5601 Systems Physiology (A-F only; prereq [prev or current] neuroscience course; [biochemistry or human anatomy] recommended)
50812 001 LEC: 01:25pm-02:15pm MW, Room TBA, TCEASTBANK; Katz, Stephen A., Anderson PhD, Lisa Carney, Wangersten, Douglas; Levitt, David George, 1 cr

8216 Selected Topics in Autonomic and Neuroendocrine Regulation (S-N only)
5944 001 LEC: Meets with: 50492 NSC 8216; Engeland, William C; Osborn Jr, John W, 1 cr

8294 Research in Physiology (max crs 18; prereq Grad cellular and integrative physiology major, instr consent)
47678 001 DRS, 1-18 cr

8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
4973 001 THE, 1 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
4974 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49506 001 THE, 1-6 cr

8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; max 18 cr per semester or summer; 10 cr total required [Plan A only])
49502 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; max 18 cr per semester or summer; 24 cr required)
4550 001 THE, 1-24 cr

9900 Seminar (max crs 4; 4 repeats allowed; S-N only)
54549 001 SEM, 03:30pm-04:30pm T, BorH 335, STPAUL, 1 cr

9910 Journal Club (max crs 4; 4 repeats allowed; NGA, 1-2 cr)
54556 001 DIS, 04:00pm-05:00pm F, BioSci 257, STPAUL, 1 cr

9994 Research (max crs 10; 10 repeats allowed; NGA, 1-6 cr)
54557 001 DRS, 1-6 cr

5094 Research in Physiology (max crs 20; 20 repeats allowed; prereq instr consent)
4644 DRS; Barnett, Vincent A, 1-5 cr
50204 DRS; Katz, Stephen A, 1-5 cr

5095 Problems in Physiology (max crs 20; 20 repeats allowed; prereq instr consent)
4645 DRS; Barnett, Vincent A, 1-5 cr
50205 DRS; Katz, Stephen A, 1-5 cr

5101 Human Physiology (prereq Grad student)
501 LEC, 10:10am-11:00am TWF, -, Room TBA, 12/16/11-08/31/12; Barnett, Vincent A, 5 cr

50492 BIOC 8216; Engeland, William C; Osborn Jr, John W, 1 cr

8294 Research in Physiology (max crs 18; prereq Grad cellular and integrative physiology major, instr consent)
47678 001 DRS, 1-18 cr

8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
4973 001 THE, 1 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
4974 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49506 001 THE, 1-6 cr

8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; max 18 cr per semester or summer; 10 cr total required [Plan A only])
49502 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; max 18 cr per semester or summer; 24 cr required)
4550 001 THE, 1-24 cr

9900 Seminar (max crs 4; 4 repeats allowed; S-N only)
54549 001 SEM, 03:30pm-04:30pm T, BorH 335, STPAUL, 1-2 cr

9910 Journal Club (max crs 4; 4 repeats allowed; NGA, 1-2 cr)
54556 001 DIS, 04:00pm-05:00pm F, BioSci 257, STPAUL, 1 cr

9994 Research (max crs 10; 10 repeats allowed; NGA, 1-6 cr)
54557 001 DRS, 1-6 cr

PLANT BIOLOGY (PBio) 220 Biological Sciences Center, 1445 Gortner Ave, St Paul Campus, St Paul, MN, 55105 612-622-1234, www.cbs.umn.edu/plantbio/
online Class Schedule. Online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

53679 016 DRS; Silflow, Carolyn D., 1-6 cr
53680 017 DRS; Schmitt, Imke, 1-6 cr
53681 018 DRS; National, Nathan, Michael, 1-6 cr
53682 019 DRS; Tiffin, Peter L, 1-6 cr
53683 020 DRS; Blake, William, 1-6 cr
53684 021 DRS; Ward, John M, 1-6 cr
53685 022 DRS; Weiblen, George D, 1-6 cr
53686 023 DRS; Mudry, Robert M, 1-6 cr
53687 024 DRS, 1-6 cr
53688 025 DRS; Wick, Susan M, 1-6 cr

2001 Introductory Plant Pathology
(birol B109 or equiv)
5001LEC, 10:40am-11:30am MW, BorH 365, STPAUL; Dill-Macky, Ruth, 3 cr
46779 012 LAB, 11:45am-01:40pm W, PlantGrowth 136, STPAUL; Dill-Macky, Ruth, 3 cr
46780 003 LAB, 03:00pm-05:55pm W, PlantGrowth 136, STPAUL; Dill-Macky, Ruth, 3 cr

3003 Diseases of Forest and Shade Trees
5001LEC, 08:30am-09:20am MW, BorH 365, STPAUL; Meets with: 46772 PLPA 5003; Blanchette, Robert A, 3 cr
55129 002 LAB, 03:15pm-05:00pm W, ROOM, STPAUL; Meets with: 48611 PLPA 5003; Blanchette, Robert A, 3 cr

3090 Research in Plant Pathology
(max crs 4)
48452 001 DRS; Blanckert, Robert A, 1-4 cr

4096 Professional Experience Program:
Internship
(max crs 6; 6 repeats allowed; S-N only; prereq COAFES undergrad, complete internship contract available in COAFES Career Services before registering; UC cr)
48604 001 IEX, 1-3 cr

5003 Diseases of Forest and Shade Trees
5001LEC, 08:30am-09:20am MW, BorH 365, STPAUL; Meets with: 46772 PLPA 5003; Blanchette, Robert A, 3 cr
48611 002 LAB, 03:15pm-05:00pm W, ROOM, STPAUL; Meets with: 55129 PLPA 3003; Blanchette, Robert A, 3 cr

5090 Issues in Plant Pathology
(max crs 2)
54409 001 DST, 1-4 cr

5103 Plant-Microbe Interactions
(birol intro course in plant pathology or molecular biology or equiv)
51236 001 LEC, 10:15am-11:30am THh, BorH 491, STPAUL; Meets with: 51236 PLPA 5103; Braden, James M, 3 cr

5300 Current Topics in Molecular Plant Pathology
(max crs 2; S-N, prereq instr consent)
02290 001 LEC, 09:30am-12:00pm W, BorH 491, STPAUL; Braden, James M, 1-2 cr

5560 Plant Disease Resistance and Applications
(A-F; prereq Introductory Plant Pathology and Genetics course)
51001 LEC, 01:00pm-02:15pm MW, BorH 491, STPAUL; Steffenson PhD, Brian Joel
68866 002 DIS, 03:00pm-05:00pm W, BorH 491, STPAUL; Steffenson PhD, Brian Joel, 3 cr

5999 Special Topics in Nematology
5001LEC, 09:35am-10:55am F, BorH 491, STPAUL, 01/17-12/03/12; Chen, Semyu, Special Topics in Nematology, 1-6 cr
68862 002 LAB, 10:40am-12:35pm F, BorH 295, STPAUL, 01/17-12/03/12; Lasegen, Anne Damgard; Chen, Semyu, 1.50 cr; special topics in nematology, 1.50 cr
68863 003 LAB; Blanchette, Robert A; Mollrov, Dimitre Stefanov, 1.50 cr

8000 Advanced Procedures and Research in Plant Pathology
(max crs 8)
53695 001 DRS, 1-8 cr; S-N; Teaching Experience 59685 002 DRS, 1-8 cr

8103 Plant-Microbe Interactions (birol intro course in plant pathology or molecular biology or equiv)
51237 001 LEC, 10:15am-11:30am THh, BorH 491, STPAUL; Meets with: 51236 PLPA 5103; Braden, James M, 3 cr

8104 Plant Virology
(A-F; prereq g480)
5001LEC, 12:30pm-01:20pm THh, BorH 491, STPAUL, 01/17-12/03/10; Lockhart, Benham E
65107 002 LAB, 01:30pm-03:30pm THh, BorH 295, STPAUL, 01/17-12/03/10; Lockhart, Benham E, 2 cr

8105 Plant Bacteriology
(prereq g480)
5001LEC, 12:30pm-01:20pm THh, BorH 491, STPAUL, 01/17-12/03/10; Lockhart, Benham E, 2 cr
65109 002 LAB, 01:30pm-03:30pm THh, BorH 295, STPAUL, 01/17-12/03/10; Ishimaru, Carol A; Samac, Deborah A; Mollrov, Dimitre, 2 cr

8123 Research Ethics in Plant and Environmental Sciences
(Credit will not be granted if credit has been received for: APS1823, 55129 8123; S-N only; prereq Enrolled in a plant/environmental grad research program)
51960 001 LEC, Thom Room, 01/19/12-02/09/12; Meets with: 51959 APS1823, 54559 PBS 8123, 15297 8123; Cohen, Jerry D; Smith, Alan G, 0.50 cr

8200 Seminar
(NGA; prereq Doctoral student, adviser and DGS consent)
49476 001 THE, 1-3 cr

8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
49375 001 THE, 1, 0.5 cr

8666 Doctoral Pre-Thesis Credits
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49958 001 THE, 1-6 cr

8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
49728 001 THE, 1-18 cr

8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; Max 18 cr per semester or summer; 24 cr required)
49836 001 THE, 1-24 cr

POLISH (Plsh)
3002 Intermediate Polish
(Credit will not be granted if credit has been received for: PLSH 4104; prereq 3001 or equiv)
65994 001 DIS, 09:30am-10:45am M, TTh, 430; Meets with: 65994 PLSH 4104; Polakiewicz, Leonard Anthony, 6 cr
4104 Intermediate Polish
(Credit will not be granted if credit has been received for: PLSH 3002; prereq 4103, [fourth semester in another language or grad student])
65994 001 DIS, 09:30am-10:45am M, TTh, 430; Meets with: 65994 PLSH 3002; Polakiewicz, Leonard Anthony, 3 cr

POLITICAL SCIENCE (Pol)
1414 Social Sciences Tower, 267 19th Ave S, West Bank Campus, Minneapolis, MN,
1001 American Democracy in a Changing World
(meets CLE req of Social Sciences)
54701 001 LET, 11:15am-12:30pm TTh, Andh 250; 15 seats reserved for CATS (CLA Access to Success); Abernathy, Sara F, 4 cr
57870 003 LET, 06:20pm-08:50pm M, BlegH 135; Cavanaugh, Patricia Kay, 4 cr

1019 Indigenous Peoples: A Global Perspective
(Credit will not be granted if credit has been received for: AMIN 1002; A-F only; meets CLE req of Global Perspectives)
56040 001 LET, 11:15am-12:30pm TTh, NichH 345; Meets with: 54660 AMIN 1002; Wilkins, David E, 3 cr

1025 Global Politics
(meets CLE req of Global Perspectives; meets CLE req of Social Sciences)
46756 001 LET, 09:00am-09:55am MWF, Andh 350; 1 seat reserved for non-PSEOE, non-admitted student; Friedman, John Roy, 4 cr
49965 002 LET, 06:20pm-08:50pm T, BlegH 250; 5 seats reserved for non-PSEOE, non-admitted student; Meyerhoff, Eli L, 4 cr

1026 We and They: U.S. Foreign Policy
52545 001 LET, 08:00am-09:50am MWF, BlegH 110; Sampson III, Marvin Wright, 4 cr

1054 Politics of Countries Around the World
(meets CLE req of Global Perspectives; meets CLE req of Social Sciences)
58987 001 LET, 08:15am-09:30am MW, BlegH 250; Reda, Moia, 4 cr

1201 Political Ideas and Ideologies
(meets CLE req of Civic and Legal Ethics; meets CLE req of Historical Perspectives)
46684 001 LET, 04:00pm-05:15pm TTh, Andh 230; 1 seat reserved for non-PSEOE, non-admitted student; Troun, Joan C, 4 cr
54949 002 LET, 10:10am-11:00am MW, Andh 350; 5 seats reserved for non-PSEOE, non-admitted student; Valverde, Sergio, 4 cr

3070 Faculty-Supervised Individual Field Work
(max crs 13; A-F only; prereq instr consent, dept consent)
46692 001 EXE: Soper, Paul W, 1-13 cr

3080 Faculty-Supervised Internships
(max crs 15; 3 repeats allowed; A-F only; prereq instr consent, dept consent)
46663 001 EXE: Soper, Paul W, 3-13 cr
60263 002 EXE: Soper, Paul W, 3-13 cr
60264 003 EXE: Soper, Paul W, 3-13 cr

3085 Quantitative Analysis in Political Science
(A-F only; meets CLE req of Mathematical Thinking)
50101 001 SEM, 11:15am-12:30pm TTh, BlegH 120; Dwyer, Caitlin Elizabeth
57376 002 DIS, 09:05am-09:55am Th, BlegH 440; 4 cr
68438 003 DIS, 10:10am-11:00am Th, BlegH 440; 4 cr

3108H Honors Tutorial: Thesis Preparation and Political Science Inquiry
(A-F; prereq Pol sci major, honors; meets HON req of Honors)
69109 001 SEM, 12:20pm-02:45pm W, Room TBA, TCWESTBANK; Pearson, Kathryn Lynn, 3 cr

3110H Honors Thesis Credits
(max crs 4; A-F only; prereq 3109, pol sci, honors, dept consent; meets HON req of Honors)
46917 001 DR5, 1-4 cr

3225 American Political Thought
(meets CLE req of Civic and Legal Ethics)
68388 001 LET, 09:00am-09:55am MWF, BlegH 110; Soper, Paul W, 3 cr

3235W Democracy and Citizenship
(max crs 4; prereq 1201 recommended; meets CLE req of Civic Life and Ethics; meets CLE req of Writing Intensive)
60275 001 LEC, 02:30pm-03:45pm TTh, BlegH 435; Beaumont, Elizabeth, 3-4 cr

3252 Renaissance, Reformation, and Revolution: Early Modern Political Thought
(meets CLE req of Arts/Humanities; meets CLE req of Civic Life and Ethics)
69572 001 LEC, 06:20pm-08:50pm Th, BlegH 210; 3 cr

3321 Issues in American Public Policy
(prereq 1001 or equiv or instr consent)
61301 001 LEC, 12:45pm-02:00pm TTh, Andh 350; Karch, Andrew Jonathan, 3 cr

3323 Political Compliance in the United States
(max crs 4)
68414 001 LET, 06:20pm-08:50pm Th, BlegH 5; Mohammad-Zadeh, Kati, 3-4 cr

3410 Topics in Comparative Politics
(max crs 9; 3 repeats allowed)
57573 001 LEC, 06:20pm-08:50pm M, BlegH 250; Collins, Kathleen A, 3 cr; Islamists Politics

3477 Political Development
(max crs 4; meets CLE req of Global Perspectives; meets CLE req of Social Sciences)
54914 001 LET, 06:20pm-08:50pm W, Andh 350; 3 seats reserved for non-PSEOE, non-admitted student; Caraway, Teri L, 3-4 cr

3767 Political Psychology of Elite Behavior
(meets CLE req of Civic Life and Ethics)
68387 001 LET, 06:20pm-08:50pm Th, Andh 250; Sullivan, John L, 3 cr

3769 Public Opinion and Voting Behavior
(Credit will not be granted if credit has been received for: POL 5767; meets CLE req of Social Sciences)
60250 001 LEC, 11:15am-12:05pm MWF, BlegH 150; Goren, Paul, Paul, 3 cr

3810 Topics in International Relations and Foreign Policy
(max crs 6)
68407 002 LEC, 10:10am-11:00am MWF, Andh 370; Leon, David Pak Yue, 3 cr; Puzzles in Political Science

3833 The United States and the Global Economy
69317 001 LEC, 12:45pm-02:00pm TTh, Andh 230; Ansell, Benjamin William, 3 cr

3835 International Relations
(meets CLE req of Global Perspectives; meets CLE req of Social Sciences)
48845 001 LET, 12:45pm-02:00pm MW, Andh 350; Leon, David Pak Yue, 3 cr

4210 Topics in Political Theory
(max crs 9; 3 repeats allowed; A-F only)
59238 001 LEC, 04:00pm-05:15pm TTh, BlegH 240; Topic prereq - Must speak Spanish (class taught in Spanish) instructor: Adolpho Garcia; 3 cr; Power of Ideas

4275 Contemporary Political Thought
(prereq 1201 recommended)
68408 001 LEC, 09:45am-11:00am TTh, BlegH 255; Luxon, Nancy, 3 cr

4322 Rethinking the Welfare State
(max crs 4)
68399 001 LET, 09:45am-11:00am TTh, Andh 270; Gingrich, Jane Rebecca, 3-4 cr

4410 Topics in Comparative Politics
(max crs 6)
60270 001 LEC, 12:45pm-02:00pm TTh, Andh 250; Kollister, Daniel R, 3 cr; Politics of Family, Sex, and Children

4461 European Government and Politics
(Credit will not be granted if credit has been received for: POL 5461W; prereq 1054 or 3051 or non-pol sci grad or instr consent; meets CLE req of Global Perspectives; meets CLE req of Writing Intensive)
56692 001 LEC, 02:30pm-03:45pm TTh, BlegH 425;
8326 Topics in Poltical Theory (max crs 6; prereq Grad pol sci major or instr consent)
25920 001 SEM, 01:25pm-03:20pm T, SocSci 1383;
Kelliher, Daniel R, 5 cr
25921 002 SEM, 11:00am-12:55pm T, SocSci 1383;
Duvall, Raymond D, 5 cr; Critical International Relations
(prereq Grad student)
25922 001 SEM, 01:25pm-03:20pm Th, SocSci 1383;
Sex, & Gender in American Politics
(prereq Grad student)
1135 Essentials of Human Anatomy and Physiology
55433 002 LAB, 10:00am-11:00am MW, STSS 131B; Kelly, Margaret Ellen Delehanty, 4 cr
47087 001 LET, 10:10am-12:00pm MW, Aph 3; Learning Community: concurrent enrollment in PS 1004-003 required.; Poch, Robert Karl, 4 cr
61196 003 LET, 08:00am-09:55am TTh, MechE 18; Poch, Robert Karl, 4 cr
68262 004 LET, 12:20pm-02:15pm TTh, Aph 226; Learning Community: concurrent enrollment in PS 1281-006 required.; Stahl, Jason Michael, 4 cr
1246 Multicultural Contexts: Engaging Citizenship and Democracy
Credit will not be granted if credit has been received for: PS 1281-006; meets CLE req of Global Perspectives; meets CLE req of Literacy; meets CLE req of Writing Intensive
52745 001 LET, 09:45am-11:00am TTh, Aph 219; Peter, Gary E, 3 cr
1251 Global History and Culture
Credit will not be granted if credit has been received for: GC 1461; meets CLE req of Global Perspectives; meets CLE req of Historical Perspectives
56517 001 LET, 02:30pm-04:25pm MW, Aph 17; Learning Community: concurrent enrollment in PS 1368-005 required.; Arendale, David R, 4 cr
1281 Principles of Psychology
Credit will not be granted if credit has been received for: PSY 1001, PSY 1001H; prerequisite Have Not received college credit for intro psych; meets CLE req of Social Sciences
58489 002 LET, 08:00am-09:55am TTh, STSS 114; Stahl, Jason Michael, 4 cr
1163 Physics by Inquiry
credit will not be granted if credit received for: GC 1171; meets CLE req of Physical Sciences
501 LET, 12:45pm-02:00pm MW, STSS 114; Hsu, Leon, 4 cr
58483 003 LAB, 12:20pm-02:15pm T, Peikhi 365; Hsu, Leon, 4 cr
58484 004 LAB, 10:00am-12:00pm T, Peikhi 365; Hsu, Leon, 4 cr
58998 009 LAB, 08:00am-09:55am MW, STSS 131B; Kelly, Margaret Ellen Delehanty, 4 cr
1366 The Literatures of the U.S.: Multicultural Perspectives
Credit will not be granted if credit has been received for: PS 1281; meets CLE req of World Literature and Soc Justice US; meets CLE req of Historical Perspectives
55714 004 LET, 08:15am-10:00am TTh, Aph 219; Rojas Collins, Molly, 4 cr
57514 004 LET, 08:15am-10:00am TTh, Aph 219; Learning Community: concurrent enrollment in PS 1281-006 required.; Frederickson, Tina, 4 cr
58950 006 LET, 09:45am-11:00am TTh, STSS 131B; Hyland, Ezra St, 3 cr
58931 006 LET, 09:45am-11:00am TTh, STSS 131B; Learning Community: concurrent enrollment in PS 1281-006 required.; Rojas Collins, Molly, 3 cr
60913 007 LET, 11:15am-01:25pm TTh, Aph 219; Harrison, K.C., 3 cr
1231 U.S. History: Multicultural Perspectives
credit will not be granted if credit received for: GC 1231; meets CLE req of Multicultural Perspectives and Soc Justice US; meets CLE req of Historical Perspectives
58446 008 LAB, 02:30pm-04:25pm W, Aph 309; 4 seats reserved for TRIO/CET; Hatch, Jay T, 4 cr
58447 009 LAB, 10:10am-12:00pm T, Aph 309; Hatch, Jay T, 4 cr
58451 003 LET, 12:20pm-02:15pm TTh, Aph 309; 4 seats reserved for TRIO/CET; Hatch, Jay T, 4 cr
58450 012 LAB, 10:10am-12:00pm TTh, Aph 309; 3 seats reserved for TRIO/CET; Hatch, Jay T, 4 cr
58451 013 LAB, 12:20pm-02:15pm TTh, Aph 309; Hatch, Jay T, 4 cr
1368 Literatures of the World: International Perspectives
Credit will not be granted if credit has been received for: RL 1123, COMM 1101, COMM 1101H; credit will not be granted if credit received for: COMM 1101, COMM 1101H, GC 1231; meets CLE req of Global Perspectives; meets CLE req of Literacy; meets CLE req of Writing Intensive
57317 001 LET, 08:15am-10:00am MW, STSS 530B; Winters, Kelly T, 3 cr
57318 002 LET, 10:10am-12:00pm MW, STSS 420 B; Learning Community: concurrent enrollment in YOST 1001-001 required.; Jehangir PhD, Rashne Rustom, 3 cr
69015 003 LET, 09:45am-11:00am TTh, KHKH 2-260; Learning Community: concurrent enrollment in PS 1211-001 required.; Cony, Kris, 3 cr
69016 004 LET, 11:15am-12:30pm TTh, Aph 3; Winters, Kelly T, 3 cr
68266 005 LET, 12:45pm-02:00pm TTh, KHKH 2-260; Learning Community: concurrent enrollment in PS 1251-001 required.; Hodne, Barbara Downes, 3 cr
68267 006 LET, 02:30pm-03:25pm TTh, KHKH 2-260; Learning Community: concurrent enrollment in PS 1251-001 required.; Hodne, Barbara Downes, 3 cr
1461 Multicultural Perspectives in Public Speaking
Credit will not be granted if credit has been received for: Rhet 1223, COMM 1101, COMM 1101H; credit will not be granted if credit received for: COMM 1101, COMM 1101H, GC 1231; meets CLE req of Global Perspectives; meets CLE req of Literacy; meets CLE req of Writing Intensive
52189 001 DIS, 08:00am-08:50am MW, Aph 223; 6 seats reserved for TRIO/CET; Trites, Jill K, 3 cr
52190 002 DIS, 10:10am-12:00pm MW, Aph 223; Learning Community: concurrent enrollment in PS 1370-001 required.; Trites, Jill K, 3 cr
54737 004 DIS, 08:15am-09:30am TTh, Aph 223; 6 seats reserved for TRIO/CET; Kelly, Margaret Ellen Delehanty, 3 cr
54738 005 DIS, 09:45am-11:00am TTh, Aph 223; Frederickson, Tina, 3 cr
52506 006 DIS, 11:15am-12:30pm TTh, STSS 420 A; Learning Community: concurrent enrollment in PS 1370-001 required.; Frederickson, Tina, 3 cr
52507 001 DIS, 10:10am-12:00pm MW, STSS 420 A; Learning Community: concurrent enrollment in PS 1370-001 required.; Trites, Jill K, 3 cr
54739 008 DIS, 12:45pm-02:00pm TTh, STSS 420 A; Learning Community: concurrent enrollment in PS 1370-001 required.; Frederickson, Tina, 3 cr
54740 007 DIS, 12:45pm-02:00pm TTh, KHKH 2-260; Learning Community: concurrent enrollment in PS 1251-001 required.; Hodne, Barbara Downes, 3 cr
1485 Creativity: Photography
Credit will not be granted if credit has been received for: UC 1485; preres Open camera (35 mm w/adjustable controls preferred), UC; $50 lab fee
57311 001 STU, 01:00pm-04:00pm M, ROOM TBA, OFFCMPTC; $50 Lab Fee. Course meets at IFP MN Center for Media Arts, 2446 University Avenue W; Miller, Jeffrey B, 4 cr
57431 002 STU, 01:00pm-04:00pm W, ROOM TBA, OFFCMPTC; $50 Lab Fee. Lab hours arranged. Course meets at IFP MN Center for Media Arts, 2446 University Avenue W; Milikan, Jeffrey B, 4 cr
1571 Computer Literacy and Problem Solving
Credit will not be granted if credit has been received for: RM 1203; credit cannot be granted if credit has already been received for: RM 1203; credit cannot be granted if credit has already been received for: RM 1203
57238 001 LAB, 08:00am-09:55am MW, Aph 302; Robertson, Douglas Frederick, 4 cr
58070 002 LAB, 12:20pm-02:15pm TTh, Aph 302; Robertson, Douglas Frederick, 4 cr
1906W Freshman Seminar: The Environment
(prereq Fr; credit will not be granted if credit
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
3206 Introduction to Health Psychology (prereq 1001)
56972 001 LEC, 11:15am-12:30pm TTH, STSS 230; Mann, Traci Lynn, 3 cr

3301 Introduction to Cultural Psychology (A-F only; prereq 1001)
48340 001 LEC, 12:45pm-2:00pm MW, MechE 212; Jung, Kyung Rae, Juan, Mary Joyce deGuzman, 3 cr

3511 Introduction to Counseling Psychology (prereq 1001)
54562 001 LEC, 06:20pm-8:50pm T, SmithH 231; 1 seat reserved for non-PSEO, non-admitted student; Frankfur t, Sheila B, 3 cr
59700 002 LEC, 06:00pm-8:30pm W, Rapsonti 101; 1 seat reserved for non-PSEO, non-admitted student; Greer, Christa Alan, 3 cr

3604 Introduction to Abnormal Psychology
(Credit will not be granted if credit has been received for: PSY 5604H; prereq: 1001)
47649 001 LEC, 12:45pm-2:00pm MW, AndH 330; 1 seat reserved for non-PSEO, non-admitted student; Klimes-Dougan, Bonnie, 3 cr
47650 002 LEC, 04:00pm-05:15pm TTH, Mrh 130; Porter, James Norby, 3 cr
47651 003 LEC, 04:00pm-05:15pm W, Mrh 130; 1 seat reserved for non-PSEO, non-admitted student; Schissel, Ann M, 3 cr

3617 Introduction to Clinical Psychology (prereq 5604 or 5604H)
56913 001 LEC, 12:45pm-2:00pm MW, TTh, Mrh 119; Klimes-Dougan, Bonnie, 3 cr

3711 Introduction to Industrial and Organizational Psychology
(prereq [1001, [2801/3801 or equiv] or instr consent])
57151 001 LEC, 04:00pm-05:15pm TTH, WBU AUDITORIUM; 1 seat reserved for non-PSEO, non-admitted student; Seltzer, Benjamin K; Beat ty, Adam Skaja, 3 cr

3801 Introduction to Psychological Measurement and Data Analysis
(Credit will not be granted if credit has been received for: PSY 3801H; High school algebra, [PSY 1001 or equiv]; intended for students who plan to major in psychology; meets CLE req of Mathematical Thinking)
001 LEC, 12:45pm-2:00pm MW, RapsR H 100; Hulme Low, Karen, 3 cr
55446 002 LAB, 11:15am-12:30pm TTh, STSS 530A, 4 cr
55447 003 LAB, 11:15am-12:30pm TTh, STSS 530A, 4 cr
55448 004 LAB, 12:45pm-2:00pm TTh, STSS 530B, 4 cr
55449 005 LAB, 12:45pm-2:00pm TTh, STSS 530A, 4 cr
55466 006 LAB, 09:45am-11:00am TH, Mrh 119; Klimes-Dougan, Bonnie, 3 cr
55467 007 LAB, 09:45am-11:00am TTH, Mrh 119; Koutstaal, Wilma, 3 cr
55468 008 LAB, 11:15am-12:30pm TTh, STSS 530B, 4 cr
56525 013 LAB, 04:00pm-05:15pm MW, MechE 18; Nydick, Steven Warren, 3 cr
56872 012 LAB, 10:00am-12:00pm F, Mrh 119; 1 seat reserved for Psy major, 4 cr
68288 013 LAB, 10:00am-12:00pm F, Mrh 119; 1 seat reserved for Psy major, 4 cr

3019 W honors Project (max cr: 6; A-F only; permission required) 56484 001 LEC, 09:45am-11:00am TTH, HMM 1-109; Follo, Jen, 3 cr

4501 Psychology of Women and Gender (prereq [jr or sr], psy major, or instr consent)
46760 001 LEC, 09:45am-11:00am TTH, HMM 1-109; Oxenham, Andrew John, 3 cr

4602 Honors Project (max cr: 6; A-F only; permission required) 55481 001 CRS, 1-6 cr

4993 Directed Research: Special Areas of Psychology and Related Sciences (max crs 12; 8 repeats allowed; prereq instr consent, dept consent)
46761 001 CRS, 1-6 cr

4994V Honors Research Practicum (A-F; prereq: [3001W or 301V], psy major, honors; meets CLE req of Writing Intensive; meets HON req of Honors)
46762 001 CRS, 11:15am-12:30pm TTH, HMM 1-109; Fletcher, Charles R, 4 cr

5014 Psychology of Human Learning and Memory (prereq 3001 or 3001 or hygiene or grad student)
65983 001 LEC, 06:00pm-08:45pm W, Mrh N668; Koutstaal, Wilma, 3 cr

5064 Brain and Emotion (A-F only; prereq 3061 or 301 or instr consent)
65983 004 LEC, 04:00pm-05:15pm TTH, FizH 116; Lissek, Shmuel, 3 cr

5066 Functional Imaging: Hands-on Training (prereq [3801 or equiv], [3061 or NSCI 3101] or instr consent)
57528 001 LAB, 01:25pm-03:20pm W, Mrh 119; Aron, Scott, 3 cr

5101 Personality Psychology (Credit will not be granted if credit has been received for: PSY 3101; prereq [3001W or 3001W]; honors undergrad or grad student)
56930 001 LEC, 11:15am-12:30pm TTH, HMM 1-109; Defoung, Colin G, 3 cr

5135 Psychology of Individual Differences (Credit will not be granted if credit has been received for: PSY 3101; prereq [3001W or 3001W] or [3801 or equiv] or instr consent)
66661 001 LEC, 12:45pm-02:00pm WF, Mrh E119; Kling,
University of Minnesota - Class Schedule for Twin Cities Campus

Spring 2012

3656 Counseling Psychology Advanced Practicum III: Counseling Internship (max crs 6; N-S; prereq Counseling psych grad student, inst cons)
3657 Counseling Psychology Internship Fall (max crs 36; 36 repeats allowed; S-N; prereq Counseling psych grad student, inst cons)
3665 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for first 2nd gradings, up to 12 combined cr; dept consent for 3rd-4th gradings, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
online Class Schedule. online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012. 60934 008 LEC; This section will be delivered online. The 57697 002 LEC, 02:30pm-04:35pm TTH, HHHC 303; Market Approaches to Sustainability: Fair Trade; Meets 52261 002 PA 5690; Narvaez, Guillermo Enrique, 3 cr; Mkt Approaches to Sustainability/Fair Trade/Beyond 4961L Leadership for Global Citizenship (Credit will not be granted if credit has been received for: OLDP 4300V; A-F only; prereq 3971 or Edpa 3400; meets CLE req for Writing Intensive) 48799 001 LEC, 02:30pm-04:35pm TTH, ROOM TBA; Meets with: 48029 OLDP 4300V; 57698 002 LEC, 02:30pm-04:35pm TTH, STSS 512B; Seats for this section may be open even if the are listed as "Closed". Please add yourself to the wait list to receive a permission number.; Meets with: 57701 OLDP 3303W; Werner, Linnette, 3 cr 5002 Introduction to Policy Analysis (A-F only; prereq Major in [public policy or science/technology/environmental policy] or instr consent) 54593 001 LEC, 06:00pm-08:45pm M, BlegH 435, 03/19/ 12-05/04/12; Kudrie, Robert T, 1.50 cr 5003 Introduction to Financial Analysis and Planning II (A-F only; prereq Development practice major or public policy major or public affairs major or grad liberal studies major or grad nonprof mgmt cmt or instr consent) 56336 001 LEC, 06:00pm-08:45pm T, HHHC 25, 01/17/ 12-03/10/12; Zhao, Zhirong Jerry, 3.50 cr 5012 The Politics of Public Affairs (A-F only; prereq Major in public policy or [sci, tech, and environ policy] or instr consent) 46970 001 LEC, 06:00pm-08:45pm W, BlegH 415; Oxenide, Alina Renee, 3 cr 52347 002 LEC, 06:15am-08:30am T Th, TCEASTBANK, 3 cr 49696 003 LEC, 11:15am-12:30pm T Th, HHHC 25; Soss, John, 3 cr 68229 004 LEC, 08:15am-09:30am MW, BlegH 415, 3 cr 5022 Economics For Policy Analysis and Planning II (max crs 4.50; 3 repeats allowed; A-F only; prereq [[5021 or equiv]], public policy major) or instr consent) 3971 Leadership Minor Field Experience (Credit will not be granted if credit has been received for: OLDP 3306; A-F only; prereq [3961V or Edpa 3302W] with grade of C or better) 50486 001 LEC, 12:45pm-02:00pm MW, BlegH 425; Kudrie, Robert T, 2 cr 58778 002 LEC, 09:00am-11:00am T Th, HHHC 184; Seats for this section may be open even if the are listed as "Closed". Students must apply to be part of this section. Contact instructor for more information THEME: Community Outreach 58778 003 LEC, 09:00am-11:00am T Th, HHHC 184; Seats for this section may be open even if the are listed as "Closed". Students must apply to be part of this section. Contact instructor for more information THEME: Community Outreach 56186 003 LEC, 09:45am-11:00am MW, STSS 117; Seats for this section may be open even if the are listed as "Closed". Please add yourself to the wait list to receive a permission number.; Meets with: 56186 OLDP 3101W; 58330 001 LEC, 09:45am-11:00am MW, HHHC 15; Zhao, Zhirong Jerry, 3.50 cr 4414 Child Labor and Education 68232 001 LEC, 09:45am-11:00am MW, HHHC 15; Meets with: 68232 PA 5414; Levison, Deborah, 3 cr 4490 Topics in Social Policy (max crs 3.50; 6 repeats allowed; prereq instr consent) 66390 001 LET, 04:00pm-05:15pm TTh, HHHC 30; Market Approaches to Sustainability: Fair Trade; Meets 52261 002 PA 5690; Narvaez, Guillermo Enrique, 3 cr; Mkt Approaches to Sustainability/Fair Trade/Beyond
Online Class Schedule.

Online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

68757 001 LAB, 12/16/11-1/31/12: 5052, 5054, and 5056 will meet in person on Fridays (12/16, 1/13, 2/17, 3/16, and 4/13) from 10:00-3:40 and Saturdays (12/17, 1/14, 2/18, 3/17, and 4/14) from 8:30-4:30., 2 cr

5050 Cohort Quantitative Analytics II (A-F; prereq Grad student or instructor); 5055-5056 must be taken in same academic yr)

68780 001 LAB, 12/16/11-1/31/12: 5052, 5054, and 5056 will meet in person on Fridays (12/16, 1/13, 2/17, 3/16, and 4/13) from 10:00-4:30 and Saturdays (12/17, 1/14, 2/18, 3/17, and 4/14) from 8:30-4:30., 2 cr

5050 Cohort Qualitative Analytics II (A-F; prereq Grad student or instructor); 5055-5056 must be taken in same academic yr)

68799 001 WKS, 08:00am-03:30pm T, CarlSmgmt L110, 01/20/12, 01/27/12; This class meets on Fridays, January 20 and Friday, January 27, 2012.; Borton, Kimberly Joy, 1 cr

5012 Organization Performance and Change (prereq 5011 or 5941 or grad nonprofit mgmt cert or instr consent)

68229 001 LEC, 06:00am-08:45pm Th, HHHCrr 25; Kiedrowski, P. Jay, 3 cr

50105 Integrated Leadership Seminar (Credit will not be granted if credit has been received for: MMGT 6602; OPN; prereq 5011 or 5941 or instr consent)

60906 001 LEC, 06:00am-08:45pm T, CarlSmgmt 1-142; Meets with: 68630 MMGT 6402; Quast, Louis Neumann; Quick, Kathy, 2 cr

50106 Foundations of Ethical Practice in Public Affairs (OPN; prereq Grad student or instr consent)

60907 001 LEC, 06:00am-08:45pm T, HHHCrr 35, 03/19/12-04/09/12; DeCramer, Gary M, 1 cr

5111 Financial Management in Public and Nonprofit Organizations (prereq 5003 or instr consent; 5011 or 5941 or instr consent)

60218 001 LEC, 04:00pm-05:15pm TTh, BlegH 330; Kelley, Steve; Penny, Timothy J, 3 cr

5112 Public Budgeting (prereq Grad student or instr consent)

50554 001 LEC, 06:00am-08:45pm M, BlegH 330; Meets with: 50554 001 LEC, 06:00am-08:45pm T, BlegH 330; Kiedrowski, P. Jay, 3 cr

5113 State and Local Public Finance (prereq Grad or instr consent)

55538 001 LEC, 06:00am-08:45pm W, HHHCrr 25; Zhao, Zhirong Jerry, 3 cr

5122 Law and Public Affairs (prereq Grad or instr consent)

61321 001 LEC, 06:15pm-09:00pm T, BlegH 330, 3 cr

5190 Topics in Public and Nonprofit Leadership and Management (max crs 9; 3 repeats allowed; prereq 5011 or 5941 or grad nonprofit mgmt cert or instr consent)

69615 002 LEC, 12:45pm-02:00pm TTh, CarlSmgmt 1-149; Practice and critical analysis of mechanisms for managing participatory and inclusive public policy and program development. Readings, case discussions, and analyses of community-based observations.; Quick, Kathy, 3 cr; Managing Civic Engagement

5204 Urban Spatial and Social Dynamics (prereq Major in urban/regional planning or instr consent)

58016 001 LEC, 08:15am-09:30am TTh, HHHCrr 25; Goetz, Edward Glenn, 3 cr

5215 Computer Applications in Land Use Planning (prereq Grad student or instr consent)

58493 001 LAB, 06:00am-08:30am M, MMGT 85; Bolan, Richard Stuart, 3 cr

5221 Private Sector Development (prereq [Grad or instr consent, college algebra required]

49390 001 LEC, 06:00pm-08:45pm M, BlegH 415; Brown, Peter H, 3 cr

5251 Strategic Planning and Management (A-F only; prereq Grad student or instr consent)

53545 001 LEC, 06:00pm-08:45pm T, STS5 420 B; Bryson, John M, 3 cr

5261 Housing Policy (Credit will not be granted if credit has been received for: HSG 5643; A-F only; prereq Grad or instr consent)

54664 001 LEC, 09:45am-11:00am TTh, HHHCrr 25; Meets with: 60506 HSG 5463; Goetz, Edward Glenn, 3 cr

54692 001 LEC, 11:15am-12:30pm TTh, Room TBA, TCWESTBANK; Title: Environmental Planning, Policy, and Decision Making; Slotterback, Carissa Schively, 3 cr

5311 Program Evaluation (prereq Grad student or instr consent)

57912 001 LEC, 06:00pm-08:45pm W, HHHCrr 25; Bloomberg PhD, Laura L, 3 cr

5405 Public Policy Implementation (A-F only)

57375 001 LEC, 04:00pm-05:15pm MW, HHHCrr 15; Involves field research.; Sandfort, Jodi R, 3 cr

5414 Child Labor and Education (prereq Grad student or instr consent)

68233 001 LEC, 09:45am-11:00am MW, HHHCrr 30; Meets with: 68232 PA 4414; Levison, Deborah, 3 cr

5421 Racial Inequality and Public Policy (prereq Grad student or instr consent)

58576 001 SEM, 02:30pm-05:00pm W, HHHCrr 20; Myers Jr, Samuel L, 3 cr

5431 Public Policies on Work and Pay (Credit will not be granted if credit has been received for: HRIR 5061; prereq [PA 5031 or equiv], grad student) or instr consent; credit will not be granted if credit received for: HRIR 5061)

68234 001 LEC, 04:00pm-05:15pm TTh, HHHCrr 60; Roberts, Evan, 3 cr; History of Social Policy

68385 002 LEC, 06:00pm-08:45pm W, HHHCrr 20, 03/19/12-05/04/12; Jefferys, Marcie, 1.50 cr; Policy Analysis in the Legislative Arena

5501 Theories and Policies of Development (prereq Grad student or instr consent)

68764 001 LEC, 12:45pm-02:00pm TTh, HHHCrr 25; Fennelly, Katherine, 3 cr

5521 Development Planning and Policy Analysis (prereq 5031 or equiv recommended or instr consent)

68763 001 LEC, 04:15pm-06:30pm TTh, HHHCrr 60; McCarty, Aine Seitz, 4 cr

5590 Topics in Economic and Community Development (max crs 9; 3 repeats allowed; prereq Grad student or instr consent)

68235 001 LEC, 12:45pm-02:00pm MW, HHHCrr 35; Friedemann-Sanchez, Greta, 3 cr

55905 Topics in Economic and Community Development (max crs 9; 3 repeats allowed; prereq Grad student or instr consent)

68235 001 LEC, 04:15pm-06:30pm TTh, HHHCrr 60; McCarty, Aine Seitz, 4 cr

57349 001 LEC, 08:15am-09:30am TTh, HHHCrr 35; Swackhammer, Deborah L, Wilson, Elizabeth Joan; Kelley, Steve, 1.50 cr

5715 Survey of Current Issues in Science, Technology, and Environmental Policy (prereq [Grad or instr consent]

62053 001 LEC, 08:15am-09:30am TTh, HHHCrr 35; Swackhammer, Deborah L, Wilson, Elizabeth Joan; Kelley, Steve, 1.50 cr

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colleagues on governance of common pool resources. (See Course Guide for more details.)

Boyle, Harry C, 3 cr; Citizenship as Public Work

8001 Transforming Public Policy

(A-F; prerequisite grade in major in public affairs or public policy or [urban and regional planning] or [science, technology, and environment policy] or demonstration practice, completion of core courses or instructor consent)

5970-003 WKS, 09:00am-11:00am Th, HHHCtr 30; Kuzma, Jennifer, 3 cr; A-F; Technology Policy Research

8202 Networks and Places: Transportation, Land Use, and Design

(A-F only; prerequisite [urban and regional planning] grad student or instructor consent)

54872 001 LEC, 02:30pm-04:25pm TTH, HHHCtr 25; Meets with: 68997 CE 8020; Cao, Jason, 4 cr

8204 Creating Good Work: Economic and Workforce Development

(A-F only; prerequisite [urban and regional planning] grad student or instructor consent)

1001 Sover Success (SOS)

(SOS prerequisite Undergrad or PSEOU student)

68209 001 LEC, 09:00am-11:10am Th, HHHCtr 30; Kuzma, Jennifer, 3 cr; A-F; Economics

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problem adding the class, email Sarah Keene at skeene@umn.edu for a permission number. Note: Enrollment will not be allowed after the second week of the semester.; 100 seats reserved for or for soph or PSEO students; Kjolhaug, Jerri Rae, 1 cr

1005 Sleep, Eat, and Exercise
(prereg [Undergrad or PSEO])
59684 001 LEC, course mode: #. If you are having trouble adding the course, email AGLife@umn.edu for a permission number. Note: Enrollment will not be allowed after the second week of the semester.; 100 seats reserved for Undergraduate or PSEO student; Kjolhaug, Jerri Rae, 1 cr

3000 Topics: Public Health
(max crs 10; 20 repeats allowed)
69160 001 LEC, 10:10am-11:00am TTh, Room TBA, TCEASTBANK, Topic prereg - jr or sr or Meets with: 61733 PUBH 6000, Landy, Harry A, 2 cr

3001 Personal and Community Health
47444 001 LEC, 12:20pm-01:10pm MW, PWB 2-470; Farley, Dana Mark, 2 cr

3002 Fundamentals of Alcohol and Drug Abuse
(Credit will not be granted if credit has been received for: PUBH 3004, PUBH 6003, PUBH 3005)
47448 001 LEC, 12:20pm-01:10pm Th, PWB 2-470; Farley, Dana Mark, 2 cr

3004 Basic Concepts in Personal and Community Health
(Credit will not be granted if credit has been received for: PUBH 3003, PUBH 6003, PUBH 3005; credit will not be granted if credit received for: 3001)
48487 001 LEC, 12:20pm-01:10pm MTWTh, PWB 2-470; Farley, Dana Mark, 4 cr

3005 Fundamentals of Alcohol and Drug Abuse for Teacher Education
(Credit will not be granted if credit has been received for: PUBH 3003, PUBH 6003; prereg Undergrad in agricultural educ or business/marketing educ or career/technical educ or educational leadership, pre-PE or technology educ or music educ)
54894 001 LEC, course mode: #. Designed to meet teacher's licensure requirement. Students needing a permission number to register should contact the instructor.; Hearst, Mary O'Neill, 1 cr

3040 Dying and Death in Contemporary Society: Implications for Intervention
(Credit will not be granted if credit has been received for: PUBH 6004; prereg 6003 or instr consent)
51070 001 LEC, 01:25pm-03:20pm W, Room TBA, TCEASTBANK; Contact the instructor if a permission number is needed.; Meets with: 51071 PUBH 6040, 2 cr

3052 Practicum in Peer Education II
(A-F only; prereg Under grad student; ununsnotated

1003 Alcohol and College Life
(prereq Fr or soph or PSEO)
51641 001 DST, course mode: #. If you are having trouble adding the class, email AGLife@umn.edu for a permission number. Note: Enrollment will not be allowed after the second week of the semester.; 100 seats reserved for or for soph or PSEO students; Kjolhaug, Jerri Rae, 1 cr

1005 Sleep, Eat, and Exercise
(prereg [Undergrad or PSEO])
59684 001 LEC, course mode: #. If you are having trouble adding the class, email AGLife@umn.edu for a permission number. Note: Enrollment will not be allowed after the second week of the semester.; 100 seats reserved for Undergraduate or PSEO student; Kjolhaug, Jerri Rae, 1 cr

3100 Topics: Environmental Health: Making Sense of Health Studies
(max crs 40; 20 repeats allowed)
59363 001 LEC, 12:20pm-02:15pm Th, Room TBA, TCEASTBANK, Maldanado, George, 1 cr

3106 Making Sense of Health Studies
69628 001 LEC, 12:20pm-02:15pm Th, Room TBA, TCEASTBANK, Maldanado, George, 2 cr

3350 Epidemiology: People, Places, and Disease
(prereq Undergrad statistics course is recommended)
68244 001 LEC, 03:35pm-05:30pm Th, Room TBA, TCEASTBANK; Nguyen, Ruby H.N., 2 cr

3600 Topics: Maternal and Child Health
(credit will not be granted if credit has been received for: APEC 3801; prereg Course on microeconomics, course on basic statistics)
50801 001 LEC, 10:10am-11:40am Th, Room TBA, TCEASTBANK; Jorj, Yvonne C, 3 cr

6000 Topics: Community Health Education
(max crs 80; 20 repeats allowed)
61733 001 LEC, 10:10am-11:00am TTh, Room TBA, TCEASTBANK, Topic prereg - grad student; Meets with: 69160 PUBH 3000, Landy, Harry A, 2 cr

6020 Fundamentals of Social and Behavioral Science
(max crs 6; A-F, prereg Public health [MPH or MHA certificate] student or health journalism MA major or nursing MS student or instr consent)
61535 001 LEC, course mode: #. Students needing a permission number to register should contact the instructor.; Hearst, Mary O'Neill, 1 cr

6040 Dying and Death in Contemporary Society: Implications for Intervention
(Credit will not be granted if credit has been received for: PUBH 3004; prereg Master of education student or instr consent)
51072 001 LEC, course mode: #. Designed to meet teacher's licensure requirement. Students needing a permission number to register should contact the instructor.; Hearst, Mary O'Neill, 1 cr

6051 Community Health Theory and Practice I
(A-F; prereg [6050, community health education MPH major] or instr consent)
45822 001 LEC, 11:15am-12:30pm Th, Room TBA, TCEASTBANK; Toomey, Traci Louise, 3 cr

6055 Social Inequalities in Health
(prereq Hlth sci professional school student or hth sci or soc work or pub affairs grad student or instr consent)
54866 001 LEC, 11:15am-01:00pm W, Room TBA, TCEASTBANK; Jones-Webb, Rhonda Jean, 2 cr

6058 Combating the Global Pandemic: Tobacco and Alcohol
61119 001 LEC, 03:35pm-05:30pm T, Room TBA, TCEASTBANK; Jones-Webb, Rhonda Jean; Landy, Harry A, 2 cr

6100 Topics: Environmental Health
(max crs 80; 20 repeats allowed)
61565 001 LEC, 01:30pm-03:00pm W, Room TBA, TCEASTBANK; Occupational Health Nursing Seminar. Open only to Occupational Health Nursing Students; Nachreiner, Nancy Martha; McGovern, Patricia Marie, 2 cr

6102 Issues in Environmental and Occupational Health
(Credit will not be granted if credit has been received for: PUBH 3012; A-F, prereg Public health [MPH or MHA certificate] student or health journalism MA major or nursing MS student or instr consent)
51565 001 DST, instruction mode: #. Students needing a permission number to register should contact the course instructor; 40 seats reserved for PUBH Online Students; Allwood, Paul Bancroft, 2 cr

6105 Environmental and Occupational Health Policy
(A-F only; prereg Environmental health major or instr consent)
46629 001 LEC, 07:00pm-09:00pm T, Room TBA, TCEASTBANK; Nachreiner, Nancy Martha; McGovern, Patricia Marie, 2 cr

6112 Risk Analysis: Application to Risk-Based Decision Making
(prereq Public health student or grad student or instr consent)
64577 001 LEC, 06:00pm-07:55pm T, Room TBA, TCEASTBANK; Nachreiner, Nancy Martha; McGovern, Patricia Marie, 2 cr

6116 Environmental Law
(Credit will not be granted if credit received for: 5110)
59076 001 LEC, 04:40pm-06:35pm W, Room TBA, TCEASTBANK; Austin, Michael L, 3 cr

6120 Injury Prevention in the Workplace,

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Community, and Home 46620 001 LEC, 02:30pm-04:25pm M, Room TBA, TCEASTBANK; Gerberich PhD, Susan G, 2 cr

6130 Occupational Medicine: Principles and Practice (pre-req Environmental health major; toxicology course recommended or instructors consent) 46625 001 LEC, 02:30pm-04:25pm M, Room TBA, TCEASTBANK; Mandell, Jeffrey H; Baker, Beth Alison, 2 cr

6133 Global Health Seminar (S-N: pre-req Public health student or instructors consent) 56888 001 LAB, 07:00pm-08:00pm M, Room TBA, TCEASTBANK; Alexander, Bruce H, 1 cr

6140 Occupational and Environmental Epidemiology (pre-req Coursework in epidemiology, biostatistics) 46627 001 LEC, 09:00am-11:00am Th, Room TBA, TCEASTBANK; Church, Timothy Robert, 2 cr

6150 Interdisciplinary Evaluation of Occupational Health and Safety Field Problems (pre-req 6170 or instructors consent) 46625 001 LEC, 10:10am-12:05pm M, Room TBA, TCEASTBANK; Peterson, Lisa Ann, 3 cr

6160 Metabolomics (pre-req [Coursework in biochemistry, molecular biology, organic chemistry] or instructors consent) 46629 001 LAB, 07:00pm-08:00pm Th, Room TBA, TCEASTBANK; One additional class period to be arranged.; Wattenberg, Elizabeth Vaughan, 2 cr

6161 Regulatory Toxicology (pre-req Background in toxicology or pharmacology or related field is recommended) 59194 001 LEC, 07:00pm-08:00pm Th, Room TBA, TCEASTBANK; One additional class period to be arranged.; Wattenberg, Elizabeth Vaughan, 2 cr

6172 Industrial Hygiene Applications (pre-req [6170, environmental health major] or instructors consent) 61331 001 LEC, 09:00am-11:00am W, Room TBA, TCEASTBANK; Next offering 2013.2015...odd spring.; Brousseau, Lisa M, 2 cr

6173 Exposure to Physical Agents (pre-req Environmental health major or instructors consent) 58573 001 LEC, 04:40pm-06:40pm M, Room TBA, TCEASTBANK; Raynor, Peter Cameron, 2 cr

6174 Control of Workplace Exposure (pre-req [Environmental health major, [Industrial hygiene specialty or equiv]] or instructors consent) 61352 001 LEC, 04:40pm-07:40pm M, Room TBA, TCEASTBANK; Now offered only spring odd years (2013, 2015...); Raynor, Peter Cameron, 3 cr

6175 Environmental Measurements Laboratory (A-F: pre-req EH or instructors consent) 61333 001 LAB, 12:20pm-04:25pm W, Room TBA, TCEASTBANK; Raynor, Peter Cameron; Ramachandran, Gurnauthum; Simkic, Matt, 2 cr

6181 Surveillance of Foodborne Diseases and Food Safety Hazards (Credit will not be granted if credit has been received for: VMD 5165; pre-req 6320 or 6330 or 6414 or instructors consent) 53927 001 LEC; Moved to fall offering, 2 cr

6182 Emerging Infectious Disease: Current Issues, Policies, and Controversies (A-F only; pre-req AHC student, instructors consent) 53967 001 LEC, 10:10am-01:10pm M, Room TBA, TCEASTBANK; Osterholm, Michael T, 3 cr

6191 Air Pollution (A-F only; pre-req [General, organic chemistry] or instructors consent) 51140 001 LEC, 3 cr

6210 Public Health Medicine Seminar (S-N only: pre-req [Public Health medicine program minimum GPA of 3.0; pre-req [public health, MPH degree or equiv]], instructors consent) 55820 001 SEM; Course will meet on Mondays - specific dates/times to be arranged.; Lohman MD, William H, 1 cr

6215 Occupational Health and Safety Program (Credit will not be granted if credit has been received for: PA 5451; max crs: 4-4; A-F; pre-req Public health or instructors consent) 55801 001 DST, instruction mode: -,3-4 cr

6303 Clinical Research Project Seminar (pre-req [6301, clinical research major, master's project/thesis paper [underway or near completion]] or instructors consent) 55016 001 SEM, 2 cr

6305 Introduction to Clinical Research for Health Professionals (Credit will not be granted if credit has been received for: PUBH 6301; [Bachelor's degree or degree from health professional program or grad student in [dentistry or medicine or nursing or pharmacy or public health or veterinary medicine]], instructors consent) 50551 001 LEC, 11:15am-01:10pm M, Room TBA, TCEASTBANK; To register, contact Janelle Willard at truo01@umn.edu for a permission number.; Lupeker MD, Russell V; Thomas, William, 2 cr

6320 Fundamentals of Epidemiology (Credit will not be granted if credit has been received for: PUBH 6705, PHAR 6320; A-F; pre-req AHC or health journalism student or instructors consent) 5001 LEC, 08:00am-09:55am Th, Room TBA, TCEASTBANK; Lazovich, DeAnn, 3 cr

6325 Data Processing with PC-SAS (pre-req [Grade-level biostatistics course, [grad student or Public health student!!]] or instructors consent) 001 LEC, 07:00am-08:00am M, Room TBA, TCEASTBANK; Now offered only spring odd years (2013, 2015...); Oakes, Michael, 3 cr

6342 Epidemiological Methods II (pre-req [6341 w/grade of at least a B- or 6320 w/grade of at least B- or instructor consent]] or instructors consent) 55665 001 LEC, 04:00pm-05:15pm TTH, Room TBA, TCEASTBANK; Students needing a permission number to register should contact Andrea Kish at kish@umn.edu.; Munoz-Zanzi, Claudia Andrea; Pankow, James Scott, 3 cr

6344 Epidemiological Methods IV (pre-req [6341 or equiv., 6451 or equiv.]] or instructors consent) 51146 001 LEC, 10:10am-12:05pm W, Mayo C381; Steffen PhD, Lyn M, 2 cr

6363 Design and Analysis of Group-Randomized Trials in Epidemiology (pre-req [6341 or equiv., 6451 or equiv.]] or instructors consent) 61147 001 LEC, 09:45am-11:00am Th, Room TBA, TCEASTBANK; Hanman, Peter J; Oakes, Michael, 3 cr

6370 Social Epidemiology 58528 001 LEC, 12:20pm-02:15pm W, Room TBA, TCEASTBANK; Oakes, Michael, 2 cr

6385 Epidemiology and Control of Infectious Diseases (pre-req [6330 or 6341] PubH student) 45577 001 LEC, 02:30pm-04:25pm MW, Room TBA, TCEASTBANK; Now offered only spring odd years (2013, 2015...); Oakes, Michael, 2 cr

6387 Cancer Epidemiology (pre-req [6330 or 6331] [health sciences grad student or professional school student]] or instructors consent) 46047 001 LEC, 12:20pm-02:15pm M, Room TBA, TCEASTBANK; Anderson PhD, Kristin Ellen, 2 cr

6414 Biostatistical Methods I (Credit will not be granted if credit has been received for: PUBH 4450; A-F; pre-req [Public health MPH certificate student or environmental h'lit [MS or PhD]] or instructors consent) 1001 LEC, 04:00pm-05:15pm Th, Room TBA, TCEASTBANK; Davey MS, Cynthia S

6504 Biostatistics I (Credit will not be granted if credit has been received for: PUBH 6414; A-F; pre-req [Course-level algebra, health sciences grad student]] or instructors consent) 001 LEC, 10:10am-12:05pm MW, Room TBA, TCEASTBANK; Wolfson, Julian, 4 cr

6505 Biostatistics II (pre-req [[6420, 6450] or [6414, 6415]] with grade of at least B, health sciences grad student]] or instructors consent) 46004 001 LEC, 10:10am-12:05pm MW, Room TBA, TCEASTBANK; Thomas, William, 4 cr

6535 Healthcare Services Accounting (A-F only; pre-req AHC student or instructors consent; experience with spreadsheets such as Excel or Lotus recommended) 61882 001 LEC; This section is reserved for EMHA students only or instructor approval.; Abraham, Jean Marie; Sainforth, Francois, 3 cr

6514 Statistical Methods for Biomedical Research Decision Making (pre-req Health care admin student or instructors consent) 61884 001 LEC; This section is reserved for EMHA students only or faculty approval.; Abraham, Jean Marie; Sainforth, Francois, 3 cr

6544 Principles of Problem Solving in Health Services Organizations (A-F: pre-req 6541, certificate of MHA coursework, health care administration student) 46819 001 LEC, 04:45pm-07:35pm W, Mayo D327; Petchoff, Sandra Jean, 3 cr

6547 Health Care Human Resources Management (A-F only; pre-req Health care admin student or public health admin student) 46820 001 LEC, 11:15am-01:10pm MW, Mayo D327, 03/ 19-12/05-04/12; Langan, Patrick J, 2 cr
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
### 6933 Nutrition and Chronic Diseases
47440 001 LEC; 08:00am-09:55am W, Room TBA, TCEASTBANK; Roben, Kim, 3 cr

### 7091 Independent Study: Community Health Education
(max crs 20; 20 repeats allowed; prereq CHE major, instr consent) 51947 001 IND; To register, contact Kathryn Schwartz at epichstu@umn.edu; 1-4 cr

### 7094 Master’s Project: Community Health Education
(max crs 6; S-N; prereq CHE major, instr consent) 51073 001 DRS; To register, contact Kathryn Schwartz at epichstu@umn.edu; 1-4 cr

### 7096 Field Experience: Community Health Education
(max crs 6; S-N only; prereq CHE major, instr consent) 51076 001 FWK; To register, contact Kathryn Schwartz at epichstu@umn.edu; 1-4 cr

### 7193 Directed Study: Environmental Health
(max crs 20; 20 repeats allowed; OPN; prereq instr consent) 51083 001 DST; To register, contact the Environmental Health Sciences major program office at ehss@umn.edu; Mandel, Jeffrey H, 1-5 cr
56029 001 DRS; To register, contact the Environmental Health Sciences major program office at ehss@umn.edu; Mandel, Jeffrey H, 1-5 cr
56301 003 DRS; Toscano Jr, William A, 1-5 cr
56974 004 DRS; Toscano Jr, William A, 1-5 cr
56975 005 DRS; Wattsenberg, Elizabeth Vaughan, 1-5 cr
56976 006 DRS; Hedberg, Craig W, 1-5 cr
56977 007 DRS; Maldonado, George, 1-5 cr
56978 008 DRS; Olson, Debra Kay, 1-5 cr
57046 009 DRS; Peterson, Lisa Ann, 1-5 cr
57047 010 DRS; Raymond, Camilla, 1-5 cr
60101 011 DRS; Simick, Matt, 1-5 cr
60202 012 DRS, 1-5 cr

### 7196 Field Experience: Environmental Health
(max crs 5; 5 repeats allowed; S-N only; prereq Environmental Health major, instr consent) 56979 001 FWK; To register, contact the Environmental Health Sciences major program office at ehss@umn.edu; Mandel, Jeffrey H, 1-5 cr
56980 002 FWK; Mandel, Jeffrey H, 1-5 cr
56032 003 FWK; Toscano Jr, William A, 1-5 cr
56033 004 FWK; Toscano Jr, William A, 1-5 cr
56034 005 FWK; Maldonado, George, 1-5 cr
60014 006 FWK; O’Dell, Michael T, 1-5 cr
60015 007 FWK; Hedberg, Craig W, 1-5 cr
60016 008 FWK; Raynor, Peter Cameron, 1-5 cr
60017 009 FWK; Medus PhD, Carla L, 1-5 cr
60099 010 FWK; Nachreiner, Nancy Martha, 1-5 cr
60126 011 FWK; Kowd, Paul Barncroft, 1-5 cr
60142 012 FWK; Olson, Debra Kay, 1-5 cr

### 7200 Topics: Public Health Practice
(max crs 90; 20 repeats allowed; OPN) 69394 001 LEC; 09:00am-05:00pm MTWTF, Room TBA, OFFCMPTC; To register, contact the Environmental Health Sciences major program office at ehss@umn.edu; Mandel, Jeffrey H, 1-5 cr
69394 002 LEC; 09:00am-05:00pm MTWTF, Room TBA, OFFCMPTC; To register, contact the Environmental Health Sciences major program office at ehss@umn.edu; Roben, Kim, 3 cr

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
**University of Minnesota - Class Schedule for Twin Cities Campus**

**Spring 2012**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>56970 200 LEC</td>
<td>This section is reserved for Rochester Students. Class permission number required. Please contact Sally Olander at <a href="mailto:brown198@umn.edu">brown198@umn.edu</a> to register.</td>
</tr>
</tbody>
</table>

**7420 Clinical Trials: Design, Implementation, and Analysis**

<table>
<thead>
<tr>
<th>Prereq</th>
<th>6451 or Concurrent registration is required (or allowed in 6451 or 7406 or instr consent)</th>
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<tbody>
<tr>
<td>4690 012 LEC</td>
<td>09:15am-11:00am TTh, Room TBA, TCEASTBANK; Neaton, Jim</td>
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**7440 Introduction to Bayesian Analysis**

<table>
<thead>
<tr>
<th>Prereq</th>
<th>[7401 or STAT 8051 or equiv] [stat 8051, STAT 8101, STAT 8102] [stat 8101, STAT 8102]. biostatistics major or instr consent</th>
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</thead>
<tbody>
<tr>
<td>53748 001 LEC, 02:30pm-03:45pm TTh, Mayo C381; Carlin PhD, Bradley Page</td>
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**7465 Biostatistics Consulting**

<table>
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<tr>
<th>Prereq</th>
<th>[7405, 7406, 7407] or [STAT 8051, STAT 8101, STAT 8102]. biostatistics major or instr consent</th>
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<tbody>
<tr>
<td>55296 001 IND; 11:15am-12:05pm MWF, Room TBA, TCEASTBANK; Rudser, Kyle; Koopmeiners, Joseph Stephen</td>
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**7470 Statistics for Translational and Clinical Research**

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<th>Prereq</th>
<th>[8450, 8451] or equiv, [grad student in biostatistics or statistics or clinical research], familiarity with SAS</th>
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<tr>
<td>56230 001 LEC TTH, Room TBA; Le, Chap T.</td>
<td>3 cr</td>
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</table>

**51086 001 DRS; To register, contact Kathryn Schwartz at epchstu@umn.edu. 2-4 cr**

**796 Field Experience: Maternal and Child Health**

<table>
<thead>
<tr>
<th>Max crs</th>
<th>4; 5 cr only; prereq Maternal/child health major, instr consent</th>
</tr>
</thead>
<tbody>
<tr>
<td>51090 001 FWK; To register, contact Kathryn Schwartz at <a href="mailto:epchstu@umn.edu">epchstu@umn.edu</a>.</td>
<td>1-4 cr</td>
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**7784 Master’s Project Seminar: Public Health Administration and Policy**

<table>
<thead>
<tr>
<th>Max crs</th>
<th>2; A-F; prereq Public health administration/policy major</th>
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<tr>
<td>59707 001 SEM, 03:00pm-03:50pm W, Room TBA, TCEASTBANK; McAlpine, Donna D.</td>
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**7791 Independent Study: HDIC Seminar**

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<tr>
<th>Max crs</th>
<th>4; 4 repeats allowed; prereq Public hth admin/policy major, instr consent</th>
</tr>
</thead>
<tbody>
<tr>
<td>48619 001 IND; To register, contact Drew Hatton at <a href="mailto:hatton@umn.edu">hatton@umn.edu</a>.; Forster, Jean; Call PhD, Kathleen Thiede</td>
<td>1-4 cr</td>
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**7794 Master’s Project: Public Health Administration and Policy**

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<tbody>
<tr>
<td>53783 001 DRS; To register, contact Drew Hatton at <a href="mailto:hatton@umn.edu">hatton@umn.edu</a>.</td>
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**7696 Field Experience: Public Health Administration and Policy**

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<tbody>
<tr>
<td>48619 001 FWK; To register, contact Drew Hatton at <a href="mailto:hatton@umn.edu">hatton@umn.edu</a>.</td>
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**7894 MS in Health Services Research, Policy, and Administration Plan B**

<table>
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<tr>
<th>Status</th>
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<tr>
<td>55745 001 FWK; To register, contact Sally Olander at <a href="mailto:brown198@umn.edu">brown198@umn.edu</a></td>
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**7581 Gerontology and Services for Long Term Care Residents**

<table>
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<tr>
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<tbody>
<tr>
<td>48364 001 LEC, 08:00am-09:40am, OFFCMTCP, 01/23/12-01/25/12; For information, contact Diane McClellan at 612-626-7349 or <a href="mailto:mccole005@umn.edu">mccole005@umn.edu</a>.</td>
<td>3 cr</td>
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**7582 Practicum in Long-Term Care Administration**

<table>
<thead>
<tr>
<th>Status</th>
<th>only; prereq [7580, 7581, 7583] or [7597, 7598]</th>
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<tr>
<td>57441 001 LEC, 02:30pm-03:45pm TTh, Room TBA, TCEASTBANK; Alonso, Alvaro; Erickson, Darin John</td>
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**7591 Independent Study: Health Care Administration**

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<th>20; 20 repeats allowed; prereq instr consent</th>
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<tbody>
<tr>
<td>55296 001 IND; To register, contact Diane McClellan at <a href="mailto:mccole005@umn.edu">mccole005@umn.edu</a>.</td>
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**7596 Clerkship in Health Care Administration**

<table>
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<tr>
<th>Status</th>
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<tr>
<td>54809 001 LEC; Grant, Leslie Alan</td>
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**7691 Independent Study: Maternal and Child Health**

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<tr>
<td>52133 001 IND; To register, contact Kathryn Schwartz at <a href="mailto:epchstu@umn.edu">epchstu@umn.edu</a>.</td>
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**7694 Master’s Project: Maternal and Child Health**

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<tbody>
<tr>
<td>51090 001 FWK; To register, contact Kathryn Schwartz at <a href="mailto:epchstu@umn.edu">epchstu@umn.edu</a>.</td>
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**8120 Occupational Health and Safety Research Seminar**

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<tr>
<th>Max crs</th>
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</thead>
<tbody>
<tr>
<td>51090 001 FWK; To register, contact Kathryn Schwartz at <a href="mailto:epchstu@umn.edu">epchstu@umn.edu</a>.</td>
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**81840 Doctoral Seminar in Observational Inference**

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**8142 Epidemiologic Uncertainty Analysis**

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**8166 Experiences in Toxicology Research**

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<th>Status</th>
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**8333 FTE: Master’s**

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<th>Status</th>
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<tr>
<td>49380 001 THE; Biostatistics, 1 cr</td>
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**8342 Advanced Epidemiologic Methods: Applications**

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<tr>
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<tr>
<td>61548 001 LEC, 08:15am-09:30am TTh, Room TBA, TCEASTBANK; Alonso, Alvaro; Erickson, Darin John</td>
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**8392 Readings in Clinical Research**

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<tbody>
<tr>
<td>47359 001 ORD; To register, contact Andrea Kish at <a href="mailto:kish@umn.edu">kish@umn.edu</a>.</td>
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**8393 Directed Study: Clinical Research**

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<tr>
<th>Max crs</th>
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<tbody>
<tr>
<td>50015 001 DST; To register, contact Andrea Kish at <a href="mailto:kish@umn.edu">kish@umn.edu</a>.</td>
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**8400 Topics: Biostatistics**

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<tr>
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<tr>
<td>59659 001 LEC; Topic prereq - Stat 8018/8102 (or its equivalent), and Stat 8311 or PubH 8401 (Linear Models), and Biostatistics or Statistics PhD student, or permission of instructor.</td>
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**8442 Bayesian Decision Theory and Data Analysis**

<table>
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<tr>
<th>Status</th>
<th>[7456 or experience with FORTRAN or with [C, C++], Stat 5101, Stat 5102, Stat 6111, grad student in biostatistics or statistics] or instr consent</th>
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<tr>
<td>46058 001 LEC, 02:30pm-03:45pm TTh, Room TBA, TCEASTBANK; Baranee, Sudipto</td>
<td>3 cr</td>
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**8444 FTE: Doctoral**

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<th>Status</th>
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<td>49479 001 THE; Biostatistics, 1 cr</td>
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</table>

**84490 002 THE; Environmental Health; Wattenberg, Bruce H; Thiede, Elizabeth | 0.50-4 cr**

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
University of Minnesota - Class Schedule for Twin Cities Campus

Spring 2012

Elizabeth Vaughn, 1 cr
48481 003 THE; Epidemiology; 1 cr
49482 004 THE; Health Services Research, Policy and Administration; 1 cr

8446 Advanced Statistical Genetics and Genomics
[prereq [7445, statistical theory at level of STAT 5101-2; college-level molecular genetics course is recommended] or instr consent]
69401 001 LEC TTh, Room TBA; Wu, Baolin, 3 cr

8452 Advanced Longitudinal Data Analysis
[prereq Stat 5102, Stat 8311, experience with [SAS or R], advanced [biostats or stats] student] or instr consent
57610 001 LEC, 12:45pm-2:00pm TTh, Room TBA, TCEASTBANK; Guo, Hongfei, 3 cr

8422 Advanced Survival Analysis
[prereq [7450, 8432, Stat 5102, advanced [biostatistics or statistics] major] or instr consent]
57230 001 LEC, 9:05am-11:00am M, Room TBA, TCEASTBANK; 9:05am-9:55am W, Room TBA, TCEASTBANK; 3 cr

8472 Spatial Biostatistics
[prereq [STAT 5101, STAT 5102] or [STAT 8101, STAT 8102]; some experience with S-plus; STAT 8311 recommended]
56480 001 LEC, 9:45am-11:00am TTh, Room TBA, TCEASTBANK; Banerjee, Sudipto, 3 cr

8494 Directed Research: Biostatistics
(max crs 4; 4 repeats allowed; S-N; prereq instr consent)
50502 001 DRS; To register for this or subsequent sections of PUBH 8444, contact Sally Onder at brown198@umn.ee., 1-4 cr
50503 002 DRS; - 1-4 cr
50504 003 DRS; - 1-4 cr

8666 Doctoral Pre-Thesis Credits
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; def consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49603 001 THE; Biostatistics, 1-6 cr
49604 002 THE; Environmental Health, 1-6 cr
49605 003 THE; Epidemiology, 1-6 cr
49606 004 THE; Health Services Research, Policy and Administration, 1-6 cr

8777 Thesis Credits: Master's
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
49712 001 THE; Biostatistics, 1-18 cr
49713 002 THE; Clinical Research, 1-18 cr
49714 003 THE; Environmental Health, 1-18 cr
49715 004 THE; Health Services Research, Policy and Administration, 1-18 cr

8801 Health Services Policy Analysis: Applications
[AF only; prereq HSRP& grad major or instr consent]
58010 001 LEC, 01:25pm-03:20pm W, Room TBA, TCEASTBANK; Course offered Fall, odd years only.; Blewett, Lynn Ann, 2 cr

8813 Measurement of Health-Related Social Factors
[AF only; prereq Intro stat course, understanding of sampling distributions or instr consent]
58557 001 LEC, 10:10am-11:50am MW, Room TBA, TCEASTBANK; Rockwood, Todd H, 3 cr

8821 Health Economics II
(AF only; prereq 8820 or instr consent)
58558 001 LEC, 09:25pm-04:25pm W, Room TBA, TCEASTBANK; Offered Spring, even years only.; Feldman, Roger D, 3 cr

8830 Writing for Research
[OPN; prereq HSRP& PhD student or instr consent]
57114 001 LEC, 10:10am-12:05pm F, ROOM TBA; Kuntz, Karen M; Dowd, Bryan E, 2 cr

8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49716 001 THE; Biostatistics, 1-24 cr

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
5981 Research Methodology in Kinesiology, Recreation, and Sport
(Credit will not be granted if credit has been received for: KIN 5981; A-F only; prereq Med or grad student or instr consent)
52154 001 LEC, 04:15pm-06:15pm Th, AkerH 209; Meets with: 49096 KIN 5981; Kihl PhD, Lisa A, 3 cr
5992 Readings: Recreation
(max crs 9; 9 repeats allowed; A-F; REC major, instr consent; REC major, instr consent)
54177 001 INRD; Allison JD, Raya, 1-9 cr
52182 012 IND; Ross PhD, Stephen, 1-9 cr
51693 003 INRD; Bayse PhD, Jo Ann, 1-9 cr
5995 Problems in Recreation, Park, and Leisure Studies
(max crs 9; 9 repeats allowed; A-F; prereq [REC Med or grad student], instr consent)
56191 001 IND; Allison JD, Raya, 1-9 cr
52183 002 IND; All M Ed. Sport Management students wishing to register for Rec 5995 should contact Dr. Lisa Kihl.; Kihl PhD, Lisa A, 1-9 cr
52186 012 PRC; Ross PhD, Stephen, 1-9 cr
6976 Practicum in Recreation, Park, and Leisure Studies
(max crs 9; 9 repeats allowed; S-N; prereq [Rec Med or grad student], instr consent)
56521 001 PRC; Allison JD, Raya, 3-9 cr
52185 002 PRC; Kihl PhD, Lisa A, 1-9 cr
54874 003 PRC; Kane PhD, Mary Jo, 1-9 cr
54869 006 INRD; Magnuson PhD, Connie, 1-9 cr
52182 012 IND; Ross PhD, Stephen, 1-9 cr
51693 003 INRD; Bayse PhD, Jo Ann, 1-9 cr
5201 Introduction to Travel and Tourism
(Credit will not be granted if credit has been received for: RRM 32B1; A-F; prereq Grad student or instr consent)
52447 001 LEC, 09:45am-11:00am Th, HodH 495, STPAUL; Meets with: 50622 RRM 4232W; Schneider, Ingrid Eleanore, 1-5 cr
5232 Managing Recreational Land
(Credit will not be granted if credit has been received for: RRM 4232W; A-F only; prereq Grad student or instr consent)
5011 LC, 11:00am-12:00pm Th, HodH 495, STPAUL; Meets with: 50622 RRM 4232W; Schneider, Ingrid Eleanore, 1-4 cr
52181 002 IND; Kihl PhD, Lisa A, 1-9 cr
52893 001 SEM, 04:00pm-04:50pm W, JobeH 558; Kihl PhD, Lisa A, 1 cr
51693 003 INRD; Bayse PhD, Jo Ann, 1-9 cr
5202 Advanced Biomechanics II: Kinetics
(max crs 3; 3 repeats allowed; rec prereq FINS 415 or equiv) or instr consent
59486 001 LEC, 01:00pm-02:30pm TH, Room TBA, TCEASTBANK; Meets with: 58444 KIN 5235; Nuckley PhD, David J, 3 cr
5201 Independent Study in Rehabilitation Science
(max crs 3; 3 repeats allowed; prereq Rehabilitation science student or program approval)
47680 001 INRD; Mathiowetz PhD, Virgil G, 1-3 cr
54255 002 IND; Di Fabio, Richard P, 1-3 cr
54256 003 IND; Kimberley, PT, PhD,Teresa Jacobson, 1-3 cr
54257 004 IND; Kukula, Carl G, 1-3 cr
54258 005 IND; Lowe, Dananne Annette, 1-3 cr
54259 006 IND; Ludewig, Paula M, 1-3 cr
54260 007 IND; Mathiowetz PhD, Virgil G, 1-3 cr
54261 008 IND; Patterson, Robert Patrick, 1-3 cr
54262 009 IND; Stern PhD, Erica Beth, 1-3 cr
54263 010 IND; Thompson PhD, LaDora V, 1-3 cr
58172 011 IND; Nuckley PhD, David J, 1-3 cr
1010 Rehabilitation Science Seminar
(max crs 6; 6 repeats allowed; A-F only; prereq Rehabilitation science student or program approval)
51752 001 SEM, 04:00pm-04:50pm W, ChRC R555; Kukula, Carl G, Adamczak, Rich, 1 cr
1170 Special Topics in Rehabilitation Science
(max crs 3; 3 repeats allowed; A-F only; prereq [Rehabilitation science student or program approval], instr consent)
55183 001 SEM; Carey, James Robert, 1 cr
54274 002 SEM; Di Fabio, Richard P, 1 cr
54275 003 SEM; Kimberley, PT, PhD,Teresa Jacobson, 1 cr
54276 004 SEM; Kukula, Carl G, 1 cr
54277 005 SEM; Lowe, Dananne Annette, 1 cr
54278 006 SEM; Ludewig, Paula M, 1 cr
54279 007 SEM; Mathiowetz PhD, Virgil G, 1 cr
54280 008 SEM; Patterson, Robert Patrick, 1 cr
54281 009 SEM; Stern PhD, Erica Beth, 1 cr
54282 010 SEM; Thompson PhD, LaDora V, 1 cr
58173 011 SEM; Nuckley PhD, David J, 1 cr
8185 Problems in Rehabilitation Science
(max crs 3; 3 repeats allowed; prereq [Rehabilitation science student or program approval], instr consent)
47682 001 DRS; Carey, James Robert, 1-3 cr
54264 002 DRS; Di Fabio, Richard P, 1-3 cr
54265 003 DRS; Kimberley, PT, PhD,Teresa Jacobson, 1-3 cr
54266 004 DRS; Kukula, Carl G, 1-3 cr
54267 005 DRS; Lowe, Dananne Annette, 1-3 cr
54268 006 DRS; Ludewig, Paula M, 1-3 cr
54269 007 DRS; Mathiowetz PhD, Virgil G, 1-3 cr
59463 003 INRD; Schneider, Ingrid Eleanore, 1-4 cr
54270 008 DRS; Patterson, Robert Patrick, 1-3 cr
54271 009 DRS; Stern PhD, Erica Beth, 1-3 cr
54272 010 DRS; Thompson PhD, LaDora V, 1-3 cr
58174 011 DRS; Nuckley PhD, David J, 1-3 cr
8188 Teaching Practicum
(max crs 5; A-F only; prereq [Rehabilitation science student or program permission], instr consent)
55184 001 PRC; Carey, James Robert, 1-5 cr
55185 002 PRC; Di Fabio, Richard P, 1-5 cr
55186 003 PRC; Kihl PhD, Lisa A, 1-5 cr
55187 004 PRC; Kukula, Carl G, 1-5 cr
55188 005 PRC; Ludewig, Paula M, 1-5 cr
55189 006 PRC; Mathiowetz PhD, Virgil G, 1-5 cr
55190 007 PRC; Patterson, Robert Patrick, 1-5 cr
55191 008 PRC; Stern PhD, Erica Beth, 1-5 cr
55192 009 PRC; Thompson PhD, LaDora V, 1-5 cr
55193 010 PRC; Lowe, Dananne Annette, 1-5 cr
8235 Human Kinetics
(A-F only; prereq [5153 or equiv] or instr consent)
61439 001 LEC, 3 cr
8282 Problems in Human Movement
(A-F only; prereq [Rehabilitation science student or program permission], instr consent)
50318 001 LEC, 01:00pm-02:30pm TH, Room TBA, TCEASTBANK; Meets with: 52115 PT 4232W; Kimberley, PT, PhD,Teresa Jacobson, 4 cr
8333 FTE: Master’s
(NGA; prereq Master’s student, adviser and DGS consent)
49386 001 THE, 1 cr
8444 FTE: Doctoral
(NGA; prereq Doctoral student, adviser and DGS consent)
49483 001 THE, 1 cr
8666 Doctoral Pre-Thesis Credits
(max crs 12; A-F; prereq Doctoral student who has not passed prelim oral; no required course for 1st/2nd registrations, up to 12 combined cr; dept consent for 1-3rd registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)
49735 001 THE, 1-18 cr
8777 Thesis Credits: Master’s
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr required [Plan A only])
49735 001 THE, 1-18 cr
8888 Thesis Credit: Doctoral
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
49840 001 THE, 1-24 cr
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
3311 Russian Major Project

3311H Honors Major Project in Russian

3404 Tolstoy in Translation

3407 Stories and Plays of Anton Chekhov in Translation

3504 The Immigrant Experience

3601 Great Literary Works of Scandinavia

3605 The Scandinavian Short Story

3613 Children’s Literature in Scandinavia

3993 Directed Studies

4102 Beginning Russian II

4104 Intermediate Russian II

4322 Literature: Tolstoy to the Present in Translation

4532 SCIENTIFIC COMPUTATION (SciC)

46827 001 DRS; Jahn, Gary R, 3 cr

46828 RUSS 3422; Walter, Ronald F., 3 cr

46829 RUSS 5422; meets CLE req of Literature

46830 001 DST, 1-4 cr

46905 RUSS 1102; Walter, Ronald F., 3 cr

48588 001 DIS, 06:20pm-08:50pm W, FolH 18; 3 seats reserved for non-PSEO, non-admitted student - EXPIRES 15-DEC-2011; Meets with: 48629 RUSS 3422; Walter, Ronald F., 3 cr

5304 Tolstoy in Translation

5993 Directed Studies

5994 Scientific Computation Directed Research

612624-9007. http://igs.cla.umn.edu

8333 FTE: Master’s

8777 Thesis Credits: Master’s

8888 Thesis Credit: Doctoral

9113 Information and Cyber Security

SECOND LANGUAGE STUDIES (SLS)

3001W Basics in Teaching English as a Second Language

3401 Introduction to Pronunciation and Grammar for ESL Teachers

5402 Language Analysis for Teachers of English as a Second Language

5722 Practicum in Teaching English as a Second Language

5993 Directed Studies

612626-4802, http://sls.umn.edu/

University of Minnesota - Class Schedule for Twin Cities Campus

Spring 2012

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
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### Online Class Schedule

[Online Class Schedule at http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the class schedule. This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

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<td>08:30am</td>
<td>09:25am</td>
<td>PetH 80, STPAUL</td>
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### 8020 Field Practicum

(max crs 6; S-N only; prerog adv standing)

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### 8080 Advanced Standing Social Work Practicum

(max crs 6; S-N only; must register A-F; meets CLE req of Social Sciences)

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### 8050 Global Perspectives on Social Welfare, Peace, and Justice

(A-F: must register for first/second registrations; up to 4 combined cr)

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### 8066 Doctoral Pre-Thesis Credits

(max crs 12; NSA: Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register to up to four times, up to 60 combined cr)

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### 8093 Directed Study

(max crs 6; 6 repeats allowed; must register for credit)

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### 8094 Directed Research

(max crs 6; 6 repeats allowed; must register for credit)

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### 8083 Social Work Supervision, Consultation, and Leadership

(prereg for advanced standing or credit)

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### 8851 Social Welfare History and Historical Research Methods

(A-F: must register for credit)

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### 8875 Research Practicum

(max crs 6; 3 repeats allowed; S-N only; must register for credit)

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### 8888 Thesis Credit: Doctoral

(max crs 10; 10 repeats allowed; must register for credit)

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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
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<td>45575</td>
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Online Class Schedule. Online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012.

61461 006 DIS, 04:05pm-04:55pm Th, BorH 243A,
61460 005 DIS, 03:00pm-03:50pm Th, BorH 243A,
50133 004 DIS, 10:40am-11:30am Th, BorH 243A,
50132 003 DIS, 09:35am-10:25am Th, BorH 243A,
50131 002 DIS, 08:30am-09:20am Th, BorH 243A,
50130 001 DIS, 07:25am-08:15am Th, BorH 243A,

5841 Model-based Development
(A-F only; prereg 5601, grad SEng major)
5840 Social Sciences Tower, 267 19th Ave S
55457 001 IND; Toner, Mary; Leblanc, William; 6 cr
55455 002 COL; Environmental Surface Chemistry; Toner, Brandy Marie; 1.5 cr
55456 003 COL, Environmental Surface Chemistry; Toner, Brandy Marie; 1.5 cr
55454 004 LEC, 09:05am-11:00am MTWThF, Room TBA, 5 cr
55453 005 LEC, 08:00am-09:50am MTWThF, Room TBA, 5 cr
55452 006 LEC, 07:25am-08:15am MTWThF, Room TBA, 5 cr
55451 007 LEC, 06:30pm-08:30pm TTh, Michel, Nathan; 5 cr
55450 008 LEC, 05:00pm-06:50pm TTh, Febus, John; 5 cr
55449 009 LEC, 04:00pm-05:50pm TTh, Fraley, David; 5 cr
55448 001 LEC W, Soils S415; Allan, Deborah L, 1-4 cr
55447 002 LEC, 10:15am-11:30am TTh, Soils S415; STPAUL; Millet, Dylan Baird; Liess, Stefan; 1-4 cr
5110 Colloquium in Soil Science
(max ccrs 6; 6 repeats allowed; S-N only)
4780 001 COL, Environmental Surface Chemistry; Toner, Brandy Marie; 1.5 cr

2122 Beginning Somali II
(A-F; prereq 2121)
1247 1014 001 LEC, 05:00pm-06:00pm MW, HH/HCI 194; For: Non-Somali Speakers; Ahmed, Sadiq, 5 cr

1226 Accelerated Beginning Somali II
(A-F; prereq 2225 or inst consent)
59126 001 LEC, 05:00pm-06:00pm TTh, Biegler, 145; Ahmed, Sadiq, 5 cr

3227 Intermediate Somali (A-F; prereq Beginning Somali II, I or inst consent)
69315 001 LEC, 02:00pm-04:30pm MW, Room TBA, TCEASTBANK; Ahmed, Sadiq, 5 cr

144 Intermediate Medical Spanish
(S-N only; prereq [1st yr college-level Spanish or equiv], depent consent)
61687 001 LEC, 09:05am-10:00am MW, FolH 107, 01/17/ - 03/12/10; Lopez, Maria Emelise, 0.50 cr

344 Advanced Medical Spanish (S-N only; prereq Span 0144, 2 yrs. Spanish College Level or equiv, depent consent)
61688 001 LEC, 09:05am-10:00am MW, FolH 107, 03/12/10-05/04/10; Lopez, Maria Emelise, 0.50 cr

1002 Beginning Spanish
(Credit will not be granted if credit has been received for: SPAN 1022; prereq 1002 completed at UMCNT, depent consent)
51552 002 LEC, 10:10am-11:00am MTWThF, FolH 121; To register: students must have taken Span 1001 at the University of Minnesota. All others register for Span 1002; Brown, Cecily F, 5 cr
51551 003 LEC, 11:15am-12:05pm MTWThF, ApH 303; To register: students must have taken Span 1001 at the University of Minnesota. All others register for Span 1002; Brown, Cecily F, 5 cr
51554 004 LEC, 06:10pm-08:30pm MW, FolH 120; To register: students must have taken Span 1001 at the University of Minnesota. All others register for Span 1022; Meets with: 56074 SPAN 4002; Ehrenburg, Scott Michael, 5 cr

1003 Intermediate Spanish
(Credit will not be granted if credit has been received for: SPAN 1014, SPAN 1044; prereq 1003 or EPT placement)
54473 001 LEC, 09:05am-11:00am MTWThF, Room TBA, TCEASTBANK; 03/12/10-05/12/10; INTENSIVE INTERMEDIATE SPANISH. Students must go to Folwell Hall 214 for permission number. MUST take in conjunction with SPAN 1003 sec. 001.; Carlson Lombardo, Angela; 5 cr
54472 002 LEC, 08:00am-09:00am MTWThF, FolH 104; Sanchez-Vargas, Adriana Christina, 5 cr
54473 003 LEC, 06:30pm-08:30pm MTWThF, FolH 105; Sanchez-Vargas, Adriana Christina, 5 cr
54474 004 LEC, 06:30pm-08:30pm MTWThF, FolH 105; Mattos, Marilena S, 5 cr
54475 005 LEC, 06:30pm-08:30pm MTWThF, FolH 105; Mattos, Marilena S, 5 cr
54476 007 LEC, 03:00pm-04:05pm MTWThF, FolH 4; Mesenburg, Sara Louise, 5 cr
54477 008 LEC, 03:00pm-04:05pm MTWThF, FolH 4; Mesenburg, Sara Louise, 5 cr
54478 009 LEC, 03:00pm-04:05pm MTWThF, FolH 4; 5 seats reserved for CATS (CLA Access to Success); Wiesinger, Andrew David, 5 cr
48933 017 LE, 04:30pm-06:30pm MW, FolH 32; Meets with: 56072 SPAN 4003, 5 cr

4093 Directed Study

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
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<td>58215 005 LEC</td>
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<td>NichH 120</td>
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</table>
online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

52349 009 DRS; Hanneken, Jaime Elizabeth, 1-4 cr
52350 010 DRS; Marrero-Fente, Raúl A, 1-4 cr
59840 011 DRS; Hamilton, Michelle Marie, 1-4 cr

8333 FTE: Master's (NGA; pre req: student's master, adviser and DGS consent)
49392 001 THE, 1 cr

8444 FTE: Doctoral (NGA; pre req: doctoral student, adviser and DGS consent)
49488 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; pre req: Doctoral student who has not passed prelim oral; no required consent for 1st/2nd registrations; up to 12 combined cr; dept consent for 3rd/4ths registrations, up to 24 combined cr; doctoral student admitted before summer 2007 may register up to times, up to 60 combined cr)
49612 001 THE, 1-6 cr

8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; pre req: Max 18 cr per semester or summer; 10 cr total required (Plan A only))
49739 001 THE, 1-18 cr

8888 Thesis Credits: Doctoral (max crs 100; 10 repeats allowed; NGA; pre req: Max 18 cr per semester or summer; 24 cr required)
59191 001 THE, 1-24 cr

9800 Spanish Seminar (max crs 9; 3 repeats allowed; NGA; pre req: Span 3xx series required for MA or inst consent)
58726 001 SEM, 02:30pm-05:30pm Th, FolH 317: Topics: Spanish and Spanish-American Baroque/Neo Baroque
Meets with: 68202 CL 8910; Spadaccini, Nicholas, 3 cr; Spanish and Spanish-American Baroque/Neo Baroque

SPANISH AND PORTUGUESE (SpPt)
217 Soleil Hall, 9 Pleasant St SE, East Bank Campus, Minneapolis, MN, 55455
612/625-5858, http://spanport.clm.umn.edu

3526 Latin American Cultural Discourse (Credit will not be granted if credit has been received for: SPPT 3306; pre req: SPAN 3015)
59554 001 LEC, 12:45pm-02:00pm Th, Kohl 134; Ferreira, Ana Paula, 3 cr

8930 Dissertation Workshop (max crs 6; A-F only; pre req: student, inst consent)
61716 001 DIS, 3 cr

1301V Physics & Bio Honors (A-F only; pre req: majors in Physical Sciences; meets CLE req of Writing Intensive; meets Honor req of Honors)
59140 002 LAB, 08:15am-09:45am T, FordH 63, 3 cr

1301W The Physics and Biology of Spoken Language (NGA; meets CLE req of Physical Sciences; meets CLE req of Writing Intensive)
50064 001 LEC, 09:05am-09:55am MWF, Room TBA; Munson, Benjamin

54533 002 LAB, 10:15am-11:45am M, ApH 204, 4 cr
54543 003 LAB, 11:15am-12:45pm T, FordH 63, 4 cr
54545 004 LAB, 10:15am-11:45am W, FordH 63, 4 cr
54546 005 LAB, 11:15am-12:45pm Th, FordH 63, 4 cr
54547 006 LAB, 02:15pm-03:45pm Th, FordH 63, 4 cr

1302 Rate Your World: Quantifying Judgments of Human Behavior (meets CLE req of Mathematical Thinking)
50064 001 LEC, 11:15am-12:30pm Th, FraserH 101; Zhang, Yang
55510 002 DIS, 12:45pm-01:35pm T, ShevH 20; Zhang, Yang, 3 cr
55511 003 DIS, 12:45pm-01:35pm Th, ShevH 20; Zhang, Yang, 3 cr

1401 Communication Differences and Disorders (Credit will not be granted if credit has been received for: SLHS 3401; meets CLE req of Social Sciences)
45458 001 LEC, 11:15am-12:30pm Th, ShevH 20; Meets with: 50064 SLHS 3401; Sasekisekar, Jayanthi, 3 cr

1402 The Talking Brain (meets CLE req of Social Sciences)
52252 001 LEC, 02:00pm-03:50pm MW, ShevH 20; Schlauch, Robert S, 3 cr

3303 Language Acquisition and Science
59502 001 LEC, 11:15am-12:30pm TTh, FraserH 101; Finestack, Lizbeth Haller, 3 cr

3304 Phonetics (Credit will not be granted if credit has been received for: SLHS 5304)
45824 001 LEC, 09:45am-11:00am TTh, ShevH 20; Schlauch, Robert S, 3 cr

3306 Hearing Science (pre req [3302, 3305W] or inst consent)
45824 001 LEC, 09:45am-11:00am TTh, ShevH 20; Schlauch, Robert S, 3 cr

3401 Communication Differences and Disorders (Credit will not be granted if credit has been received for: SLHS 1401; meets CLE req of Social Sciences)
50064 001 LEC, 11:15am-12:30pm Th, ShevH 20; Meets with: 45458 SLHS 1401; Sasekisekar, Jayanthi, 3 cr

3402W Major Project in Speech and Hearing Science (S-N only; pre req Jr or sr CDIs or SLHS major; meets CLE req of Writing Intensive)
59409 001 SEM, 10:15am-11:30am MW, ShevH 20; Kennedy, Mary R T, 3 cr

3555H Honors Thesis (max crs 2; A-F only; pre req: See dir of undergrad studies for [thesis adviser, forms]; meets Honor req of Honors)
53954 001 THE; Carney, Arlene Earley, 1-2 cr
54135 002 THE; Kennedy, Mary R T, 1-2 cr
54136 003 THE; Kohlnert, Kathryn, 1-2 cr
54137 005 THE; Munson, Benjamin, 1-2 cr
54138 006 THE; Nelson, Peggy B, 1-2 cr
54139 007 THE; Reichle, Joe E, 1-2 cr
54140 008 THE; Schlauch, Robert S, 1-2 cr
54141 009 THE; Watson, Peter J, 1-2 cr
54142 010 THE; Windsor, Jennifer, 1-2 cr
54143 011 THE; Zhang, Yang, 1-2 cr

3994 Directed Research (max crs 24; pre req Undergrad doing research)
55007 001 DRS; Angerman, Sarah Kay, 1-12 cr
55008 002 DRS; Carney, Arlene Earley, 1-2 cr
55009 003 DRS; Deruiter, Mark, 1-12 cr
58095 004 DRS; Kennedy, Mary R T, 1-12 cr
58096 005 DRS; Kohlnert, Kathryn, 1-12 cr
58097 006 DRS; Munson, Benjamin, 1-12 cr
58098 007 DRS; Nelson, Peggy B, 1-12 cr
58099 008 DRS; Rao, Aparna, 1-12 cr
58100 009 DRS; Reichle, Joe E, 1-12 cr
58101 010 DRS; Sasekisekar, Jayanthi, 1-12 cr
58102 011 DRS; Schlauch, Robert S, 1-12 cr
58103 012 DRS; Watson, Peter J, 1-12 cr
58104 013 DRS; Windsor, Jennifer, 1-12 cr
58105 014 DRS; Zhang, Yang, 1-12 cr
58889 015 DRS; Sasekisekar, Jayanthi, 1-12 cr
59009 016 DRS; Finestack, Lizbeth Haller, 1-12 cr

4802 Rehabilitative Audiology (pre req [3305, 4801] or [CDIs 3305, CDIs 4801] or inst consent)
51280 001 LEC, 08:15am-09:00am Th, ShevH 20; Rao, Aparna, 3 cr

5502 Voice and Cleft Palate (pre req [3305, 4801] or CDIs 3305, CDIs 4801) or inst consent)
59088 001 DIS, 08:15am-10:30am W, ShevH 110; Watson, Peter J, 3 cr

5503 Dysphagia and Motor Speech Disorders
This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
### Course Descriptions

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Meeting Time</th>
<th>Location</th>
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<tr>
<td>8720</td>
<td>Clinical Education in Audiology</td>
<td>Nelson, Peggy B.</td>
<td>1-12 cr</td>
<td>12:00pm-01:00pm M, ShevH 110</td>
<td>Minneapolis</td>
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<td>8430</td>
<td>Proseminar in Audiology</td>
<td>Reiche, Joe E.</td>
<td>3 cr</td>
<td>1-12 cr</td>
<td>Minneapolis</td>
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<tr>
<td>8802</td>
<td>Hearing Aids II</td>
<td>Schlaub, Robert S.</td>
<td>1-12 cr</td>
<td>09:00am-11:30am F, ShevH 125</td>
<td>Minneapolis</td>
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<td>8806</td>
<td>Audiology Capstone</td>
<td>Kennedy, Mary R T.</td>
<td>1-12 cr</td>
<td>03:30pm-06:00pm W, ShevH 125</td>
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<td>8820</td>
<td>Clinical Education in Audiology</td>
<td>Reichle, Joe E.</td>
<td>1-12 cr</td>
<td>09:45am-11:00am TTh, FraserH 101</td>
<td>Minneapolis</td>
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<td>8840</td>
<td>Audiology Externship</td>
<td>Schlaub, Robert S.</td>
<td>1-12 cr</td>
<td>10:10am-11:00am MWF, VinH 16</td>
<td>Minneapolis</td>
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<td>8888</td>
<td>Thesis Credit: Doctoral</td>
<td>Nelson, Peggy B.</td>
<td>1-12 cr</td>
<td>03:35pm-04:25pm Th, RapsonH 45</td>
<td>Minneapolis</td>
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</table>

### Departmental Requirements

- **Speech-Language Pathology**
  - Max crs: 24; 24 repeats allowed; S-N only: prereq Grad CDIs major or DVM, DGS consent.
  - 54561 001 PRC, 1-12 cr
  - 52551 002 PRC, 1-12 cr

- **8777 Thesis Credits: Master's**
  - Max crs: 50; 10 repeats allowed; NGA: Max 18 cr per semester or summer; 10 cr total required (Plan A only)
  - 54461 001 THE, 1-18 cr

- **8801 Audiologic Assessment II**
  - Prereq 8801 or CDIs 8801 or instr consent
  - 54562 001 LET, 03:30pm-06:00pm W, ShevH 125; Gregcan, Melanie J, 3 cr

- **8880 Audiologic Assessment**
  - Max crs: 6; 6 repeats allowed; S-N only: prereq 8802, 8807,
  - 55157 001 COL, 1-6 cr

- **8882 Clinical Education in Audiology**
  - Max crs: 24; 24 repeats allowed; S-N only: prereq Grad CDIs major or DVM, DGS consent.
  - 54564 001 PRC, 1-8 cr
  - 52552 002 PRC, 1-8 cr

- **8884 Audiology Externship**
  - Max crs: 7; 3 repeats allowed; S-N only: prereq [8802, 8807] or [CDIs 8801, 8807],
  - 58162 001 IEX, 01:00pm-01:30pm T, ShevH 125; Schlaub, Robert S, 3 cr
  - 58169 002 IEX, 01:00pm-01:30pm T, ShevH 125

- **8886 Thesis Credit: Doctoral**
  - Max crs: 10; 10 repeats allowed; NGA: Max 18 cr per semester or summer; 24 cr required
  - 49791 001 THE, 1-24 cr

- **8994 Directed Research**
  - Max crs: 18; 18 repeats allowed; prereq SLHS grad student,
  - 47193 001 DRS, 09:45am-11:00am TTh, FraserH 101; Angerman, Sarah Kay, 1-12 cr
  - 50685 002 DRS, 09:45am-11:00am TTh, FraserH 101; Carney, Arlene Earley, 1-12 cr
  - 50683 003 DRS, 09:45am-11:00am TTh, FraserH 101; Deruiter, Mark, 1-12 cr
  - 50680 005 DRS, 09:45am-11:00am TTh, FraserH 101; Kihl, Robert S, 1-12 cr
  - 50681 006 DRS, 09:45am-11:00am TTh, FraserH 101; Nelson, Peggy B., 1-12 cr
  - 50672 008 DRS, 09:45am-11:00am TTh, FraserH 101; Schlaub, Robert S, 1-12 cr
  - 50674 010 DRS, 09:45am-11:00am TTh, FraserH 101; Watson, Peter J., 1-12 cr
  - 50679 012 DRS, 09:45am-11:00am TTh, FraserH 101; DeBacker, Felicia A., 1-12 cr
  - 58107 015 DRS, 09:45am-11:00am TTh, FraserH 101; Reichle, Joe E., 1-12 cr

- **8333 FTE: Masters**
  - NGA: prerequisites; master's student, adviser and DGS consent.
  - 49313 001 THE, 1 cr

- **4801, 4802, 8802**

### Departmental Office

- **M/Sgt Management (SMgt)**
  - 612/625-5300, http://cehd.umn.edu/kin

### University of Minnesota - Class Schedule for Twin Cities Campus

**Spring 2012**

This information is accurate as of 12/10/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at [http://onestop.umn.edu.](http://onestop.umn.edu) IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
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<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
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<tr>
<td>4102 Theory of Statistics II</td>
<td>(Credit will not be granted if credit has been received for: STAT 5102; prereq 4910)</td>
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<tr>
<td>5021 Sampling Methodology in Finite Populations</td>
<td>(prereq 3022 or 4012 or 5021 or 5102 or instr consent)</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at one.stop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
### University of Minnesota - Class Schedule for Twin Cities Campus

**Spring 2012**

#### Online Class Schedule

Email: onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.

1. **3202 Intermediate Digital Filmmaking**
   - Instructions: (A-F; prereq 3201 or instr consent)
   - Credits: 3
   - CRN: 57306

2. **5002 Advanced Film Analysis**
   - Instructions: (A-F; prereq [1201 or ARTH 1921W or CSCL 1201 or CSCL 1921 or equiv coursework], SCMC major)
   - Credits: 4
   - CRN: 61204

#### STUDIES OF SCIENCE AND TECHNOLOGY (SST)

1. **8666 Doct Pre-Thesis Pr**
   - Instructions: (max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required consent for 1st and registrant; up to 12 combined cr; dept consent for 3rd-4th; up to 24 combined cr; doctoral student admitted before summer 2007; may register up to four times, up to 60 combined cr)
   - Credits: 4
   - CRN: 49631

2. **8777 Thesis Credits: Master's**
   - Instructions: (max crs 50; 4; repeat allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
   - Credits: 4
   - CRN: 49740

3. **8801 Statistical Consulting**
   - Instructions: (max crs 3; S-N only; prereq Grad stat major or instr consent)
   - Credits: 1
   - CRN: 48818

4. **8888 Thesis Credit: Doctoral**
   - Instructions: (max crs 100; 10; repeat allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)
   - Credits: 1
   - CRN: 49751

5. **9131 Literature Seminar**
   - Instructions: (max crs 4; 4; repeat allowed; S-N; prereq Statistics grad major or instr consent)
   - Credits: 1
   - CRN: 57085

6. **9992 Directed Readings and Research**
   - Instructions: (max crs 12; 3; repeat allowed; prereq instr consent)
   - Credits: 1
   - CRN: 46771

#### STEM CELL BIOLOGY (Stem Cell)

1. **5054 Stem Cell Institute Research Seminar and Journal Club**
   - Instructions: (max crs 6; 3; repeat allowed; S-N; prereq Active student in stem cell biology [master’s prog or PhD minor prog] or instr consent)
   - Credits: 1
   - CRN: 59748

2. **8777 Thesis Credits: Master's**
   - Instructions: (max crs 50; 10; repeat allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
   - Credits: 1
   - CRN: 59871

#### STUDIES IN CINEMA AND MEDIA CULTURE (SCMC)

1. **1201 Introduction to Cinema and Media Culture**
   - Instructions: (Credit will not be granted if credit has been received for: CSCL 1201; meets CLE req of Arts/Humanities)
   - Credits: 1
   - CRN: 53896

2. **3001W History of Cinema and Media Culture**
   - Instructions: (meets CLE req of Writing Intensive)
   - Credits: 3
   - CRN: 52711

3. **3202 Intermediate Digital Filmmaking**
   - Instructions: (A-F; prereq 3201 or instr consent)
   - Credits: 3
   - CRN: 57306

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Online Class Schedule.

University of Minnesota - Class Schedule for Twin Cities Campus Spring 2012

4222 Beginning Swahili II
59787 001 LEC, 02:30pm-05:00pm TTh, BlegH 145; Meets with: 55930 SWAH 1222; Muaka, Angaluki, 2 cr

4226 Intermediate Swahili II
(Credit will not be granted if credit has been received for: SWAH 3226; prerequisite [4225 or equiv]; good standing)
58150 001 DIS, 02:30pm-05:00pm TTh, BlegH 145; Meets with: 59787 SWAH 1226; Muaka, Angaluki, 2 cr

3003 Sustainable People, Sustainable Planet
(Students will not be granted if credit has been received for: GLOS 3304; prerequisite Soph or Jr or Sr; meets CLE req of Environment)
57810 001 LEC, 09:45am-11:00am TTh, Room TBA, TCEASTBANK; Garvey, Michelle Jenneman, 3 cr

3480 Topics in Sustainability
(max crs 24; 6 repeats allowed; A-F)
59453 001 LEC, 12:20pm-01:10pm F, LES R206; Mercer-Taylor, Beth, 1.4 cr

4004 Sustainable Communities
(A-F; prerequisite 3003 or GLOS 3304; 0r in sustainability studies minor or insit consent)
57648 001 LEC, 11:15am-12:30pm TTh, STSS 1318; Nerbonne, Julia Frost, 3 cr

8020 Field Experience in Sustainable Agriculture
(max crs 3; S-N only; prerequisite coursework in biological or social sciences that provides intro to ag practices or issues)
47109 001 IEX; Jordan, Nicholas Royal, 1-4 cr

1101V Honors Section: Introduction to the Theater
(A-F; prerequisite Honors; meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive; meets HON req of Honors)
001 LEC, 12:45pm-02:00pm M, AndH 230; Meets with: 49158 TH 1101V; Ulfit, Nicole, 1 cr
05308 061 DIS, 12:45pm-02:00pm F, RarigC 6; Rieger-C; Elliott, K, 4 cr

1102 Drama and the Media
(meets CLE req of Arts/Humanities; meets CLE req of Writing Intensive)
001 LEC, 12:45pm-02:00pm M, AndH 230; Meets with: 50537 TH 1101V; Ulfit, Nicole, 1 cr
49152 002 DIS, 12:45pm-02:00pm W, RarigC 45; Leffler, Elliot K, 4 cr
49153 003 DIS, 12:45pm-02:00pm W, RarigC 64; Mellas, Michael John, 4 cr
49154 004 DIS, 12:45pm-02:00pm F, RarigC 45; 1 seat reserved for PSEO student; Mellas, Michael John, 4 cr

1351 Acting II
(meets CLE req of Writing Intensive)
3101 Acting/Non-Majors
48920 1001 LEC, 06:00pm-09:00pm W, BlegH 150; Waltch, Shannon L, 3 cr

3121 Beginning Acting: Fundamentals of Performance
(pre-req 1101 or Concurrent registration is required (or allowed) in 1101)

University of Minnesota - Schedule for Twin Cities Campus Spring 2012
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<tr>
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<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
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<tr>
<td>69210 004 LAB</td>
<td>004 LAB, 01:25pm-03:20pm MW, RarigC 210; Dilliard, Marcus F, 3 cr</td>
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<td>68173 002 LAB</td>
<td>002 LAB, 03:35pm-05:30pm TTh, RarigC STUDIO 395</td>
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<tr>
<td>52561 001 STU</td>
<td>001 STU; 07:30pm-11:00pm TWThF, RarigC 210,</td>
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<tr>
<td>58014 001 STU</td>
<td>001 STU; 11:15am-01:00pm TTh, RarigC 218; Dilliard, Marcus F, 3 cr</td>
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<tr>
<td>4550 Video Technology</td>
<td>69135 001 LAB, 02:00pm-05:00pm TW, RarigC STUDIO 455</td>
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<tr>
<td>4901 Senior Seminar</td>
<td>55945 001 DR5</td>
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<td>5100 Theatre Practicum</td>
<td>47060 001 PRc, 1-4 cr</td>
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<tr>
<td>5181 Blacks in American Theatre</td>
<td>58367 001 DIS</td>
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<tr>
<td>5330 Comedy: Advanced Physical Performance Studio</td>
<td>58015 001 STU, 03:35pm-05:30pm TTh, RarigC STUDIO A; Rosen, Robert S, 3 cr</td>
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<td>5500 Theatre Design Practicum</td>
<td>47063 001 PRc, 1-3 cr</td>
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<tr>
<td>5520 Scene Design</td>
<td>56813 001 STU, 02:00pm-05:00pm F, RarigC 275; Brockman, C Lance, 3 cr</td>
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8590 Theatre Technology Practicum  
(max crs 20; 20 repeats allowed; prereq instr consent, dept consent)  
47074 001 PRC, 1-3 cr

8666 Doctoral Pre-Thesis Credits  
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required credit for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 cr; Doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)  
49616 001 THE, 1-6 cr

8777 Thesis Credits: Master’s  
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
49852 001 THE, 1-24 cr

8888 Thesis Credits: Doctoral  
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
49852 001 THE, 1-24 cr

5000 Directed Research in Toxicology  
(max crs 80; 16 repeats allowed; A-F only; prereq instr consent)  
50205 001 LAB, Murphy, Michael J, 1-5 cr

5545 Introduction to Regulatory Medicine  
(Credit will not be granted if credit has been received for: CVM 6545; A-F only; prereq Grad student or instr consent)  
52847 001 ROT, 06:00pm-08:00pm M, ROOM TBA, STPAUL; Murphy, Michael J, 2 cr

8012 Advanced Toxicology I  
(A-F only; prereq 5011 or BioC 4331, PubH 5104 or instr consent)  
51597 001 LEC, 3 cr

8333 FTE: Master’s  
(NGA; prereq Master’s student, adviser and DGS consent)  
49397 001 THE, 1 cr

8444 FTE: Doctoral  
(NGA; prereq Doctoral student, adviser and DGS consent)  
49493 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits  
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required credit for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; Doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)  
49617 001 THE, 1-6 cr

8777 Thesis Credits: Master’s  
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
49853 001 THE, 1-24 cr

8888 Thesis Credits: Doctoral  
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
49853 001 THE, 1-24 cr

5000 Directed Research in Toxicology  
(max crs 80; 16 repeats allowed; A-F only; prereq instr consent)  
50205 001 LAB, Murphy, Michael J, 1-5 cr

5545 Introduction to Regulatory Medicine  
(Credit will not be granted if credit has been received for: CVM 6545; A-F only; prereq Grad student or instr consent)  
52847 001 ROT, 06:00pm-08:00pm M, ROOM TBA, STPAUL; Murphy, Michael J, 2 cr

8012 Advanced Toxicology I  
(A-F only; prereq 5011 or BioC 4331, PubH 5104 or instr consent)  
51597 001 LEC, 3 cr

8333 FTE: Master’s  
(NGA; prereq Master’s student, adviser and DGS consent)  
49397 001 THE, 1 cr

8444 FTE: Doctoral  
(NGA; prereq Doctoral student, adviser and DGS consent)  
49493 001 THE, 1 cr

8666 Doctoral Pre-Thesis Credits  
(max crs 12; NGA; prereq Doctoral student who has not passed prelim oral; no required credit for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; Doctoral student admitted before summer 2007 may register up to four times, up to 60 combined cr)  
49617 001 THE, 1-6 cr

8777 Thesis Credits: Master’s  
(max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
49853 001 THE, 1-24 cr

8888 Thesis Credits: Doctoral  
(max crs 100; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required)  
49853 001 THE, 1-24 cr

3101 Introduction to Interpreting  
(prereq high level of proficiency in spoken English and another language: 5001 cr)  
56773 001 LEC, 06:10pm-09:00pm W, JohH 16; Homler, Scott A, 3 cr

1001W Introduction to Urban Studies: The Complexity of Metropolitan Life  
(max crs 4; A-F only; meets CRE req of Writing Intensive)  
54186 001 LEC, 11:15am-12:30pm TTh, BlegH 135; Kayzar, Brenda, 3 cr

3202 Urban Studies Colloquium  
(max crs 4; 4 repeats allowed; A-F only)  
47226 001 DIS, 06:00pm-08:00pm T, BlegH 125, 01/17/12-03/10/12; Trow, Tom, 1 cr

3500 Urban Studies Workshop  
(max crs 9; 3 repeats allowed; A-F only; prereq instr consent)  
54101 001 WTR, 06:00pm-08:00pm T, BlegH 135; Kayzar, Brenda, 3 cr

5993 Directed Study  
(max crs 3)  
52813 001 DST, 1 cr

1005 Global Perspectives on Higher Education  
(max crs 4; prereq International student)  
68025 001 LEC, 12:00pm-02:15pm F, BlegH 105; Contact the Minnesota English Language Program for a permission number at 612-624-1503 or esl@umn.edu., 2 cr

1485 Creativity: Photography  
(Credit will not be granted if credit has been received for: PSLT 1485; prereq Own camera [35 mm w/adjustable controls preferred], UC; $50 lab fee)  
59825 001 STU, 01:00pm-04:00pm M, ROOM TBA, OFFMPTC; $50 Lab Fee. Lab hours arranged. Course meets at IFP MN Center for Media Arts, 2446 University Avenue W.; Millikan, Jeffrey B, 4 cr

3201 Web Designer Introduction  
52635 001 SEM, 05:00pm-09:00pm T, STSS 432B; Husom, David Harold, 4 cr

3302 Urban Studies Colloquium  
(max crs 4; 4 repeats allowed; A-F only)  
47226 001 DIS, 06:00pm-08:00pm T, BlegH 125, 01/17/12-03/10/12; Trow, Tom, 1 cr

3500 Urban Studies Workshop  
(max crs 9; 3 repeats allowed; A-F only; prereq instr consent)  
54101 001 WTR, 06:00pm-08:00pm T, BlegH 135; Kayzar, Brenda, 3 cr

6126240000, http://www.cce.umn.edu

1005 Global Perspectives on Higher Education  
(max crs 4; prereq International student)  
68025 001 LEC, 12:00pm-02:15pm F, BlegH 105; Contact the Minnesota English Language Program for a permission number at 612-624-1503 or esl@umn.edu., 2 cr

1485 Creativity: Photography  
(Credit will not be granted if credit has been received for: PSLT 1485; prereq Own camera [35 mm w/adjustable controls preferred], UC; $50 lab fee)  
59825 001 STU, 01:00pm-04:00pm M, ROOM TBA, OFFMPTC; $50 Lab Fee. Lab hours arranged. Course meets at IFP MN Center for Media Arts, 2446 University Avenue W.; Millikan, Jeffrey B, 4 cr

3201 Web Designer Introduction  
52635 001 SEM, 05:00pm-09:00pm T, STSS 432B; Husom, David Harold, 4 cr

3302 Urban Studies Colloquium  
(max crs 4; 4 repeats allowed; A-F only)  
47226 001 DIS, 06:00pm-08:00pm T, BlegH 125, 01/17/12-03/10/12; Trow, Tom, 1 cr

3500 Urban Studies Workshop  
(max crs 9; 3 repeats allowed; A-F only; prereq instr consent)  
54101 001 WTR, 06:00pm-08:00pm T, BlegH 135; Kayzar, Brenda, 3 cr
### VETERINARY MEDICINE (CVM)

#### 455 Veterinary Teaching Hospitals, 1352 Boyd Ave, St Paul Campus, St Paul, MN, 55108

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>6001</td>
<td>Veterinary and Community Public Health</td>
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<tr>
<td>6003</td>
<td>Veterinary and Community Public Health</td>
</tr>
<tr>
<td>6004</td>
<td>Veterinary and Community Public Health</td>
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### VETERINARY CLINICAL SCIENCES (VCS)

#### C-339 Veterinary Teaching Hospital, 1352 Boyd Ave, St Paul Campus, St Paul, MN, 55108

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>4606</td>
<td>Small Animal Management</td>
</tr>
<tr>
<td>4923</td>
<td>Directed Studies in Veterinary Clinical Sciences (max crs 12; AF)</td>
</tr>
<tr>
<td>4994</td>
<td>Directed Research in Veterinary Clinical Sciences (max crs 12; AF)</td>
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### UROLOGIC SURGERY (UroL)

A-597 Mayo (Box 394 UMH), 420 Delaware Street SE, East Bank Campus, Minneapolis, MN, 55455

<table>
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<th>Course Code</th>
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<tr>
<td>7200</td>
<td>Surgical Specialty: Urology (max crs 4; AF- only)</td>
</tr>
<tr>
<td>7252</td>
<td>Urological Conference (NGA)</td>
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<tr>
<td>7253</td>
<td>Research in Urology (NGA)</td>
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<tr>
<td>7400</td>
<td>Surgical Specialty: Urology Elective</td>
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<tr>
<td>7500</td>
<td>Advanced Urological Surgery (max crs 6; HNV; prereq 7200 or course director approval)</td>
</tr>
<tr>
<td>7503</td>
<td>Urologic Research (max crs 15; HNV)</td>
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### VETERINARY & BIOMEDICAL SCIENCES (VBS)

#### 2022 General Microbiology

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<td>4877</td>
<td>Clinical Immunology (max crs 4; HNV)</td>
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<tr>
<td>4878</td>
<td>Clinical Immunology (max crs 4; HNV)</td>
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<tr>
<td>4879</td>
<td>Clinical Immunology (max crs 4; HNV)</td>
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<td>4886</td>
<td>Clinical Immunology (max crs 4; HNV)</td>
</tr>
<tr>
<td>4887</td>
<td>Clinical Immunology (max crs 4; HNV)</td>
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### VETERINARY CLINICAL SCIENCES (VCS)

#### C-339 Veterinary Teaching Hospital, 1352 Boyd Ave, St Paul Campus, St Paul, MN, 55108

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>4606</td>
<td>Small Animal Management</td>
</tr>
<tr>
<td>4923</td>
<td>Directed Studies in Veterinary Clinical Sciences (max crs 12; AF)</td>
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<tr>
<td>4994</td>
<td>Directed Research in Veterinary Clinical Sciences (max crs 12; AF)</td>
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</table>

### VETERINARY MEDICINE (CVM)

#### 455 Veterinary Teaching Hospitals, 1352 Boyd Ave, St Paul Campus, St Paul, MN, 55108

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>6001</td>
<td>Gopher Orientation and Leadership Experience (max crs 6; S-N; prereq Admission to veterinary program)</td>
</tr>
<tr>
<td>6003</td>
<td>Opportunities in International and Cultural Immersion (max crs 1; S-N)</td>
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<tr>
<td>6004</td>
<td>Critical Scientific Reading (AF; prereq Successful completion of yr 1 fall curriculum, current enrollment in yr 1 spring curriculum)</td>
</tr>
<tr>
<td>6012</td>
<td>Veterinary Imaging (AF; prereq 6100, 6101, DVM 2nd yr or instr consent)</td>
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<tr>
<td>6015</td>
<td>Small Animal Ultrasonography (max crs 2; S-N only; prereq 6100, 6101, DVM 2nd yr or instr consent)</td>
</tr>
<tr>
<td>6102</td>
<td>Organology (AF; prereq 6100, 6101, DVM 1st yr or instr consent)</td>
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<tr>
<td>6105</td>
<td>Organology (AF; prereq 6100, 6101, DVM 1st yr or instr consent)</td>
</tr>
<tr>
<td>6112</td>
<td>Organology (AF; prereq 6100, 6101, DVM 1st yr or instr consent)</td>
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This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at [http://onestop.umn.edu](http://onestop.umn.edu). IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
### University of Minnesota - Class Schedule for Twin Cities Campus

**Spring 2012**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Code</th>
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<th>Instructor(s)</th>
<th>Time</th>
<th>Location</th>
<th>Notes</th>
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<tbody>
<tr>
<td>6120 Veterinary Neurobiology</td>
<td>A-F; prereq DVM 1st yr or instr consent</td>
<td>4</td>
<td>Beitz, Alvin James</td>
<td>12/28/11-01/08/12</td>
<td>Room TBA</td>
<td>This is a core course for first year DVM students. Schedules may vary.</td>
</tr>
<tr>
<td>6204 Infectious Agents: Virology</td>
<td>A-F only; prereq DVM 2nd yr or instr consent</td>
<td>4</td>
<td>Larson, Alice Arneal</td>
<td>02/06/12-03/03/12</td>
<td>Room TBA</td>
<td>This is a core course for first year DVM students. Study may vary. Rutherford, Stephen, 2 cr</td>
</tr>
<tr>
<td>6310 Veterinary Physiology</td>
<td>A-F; prereq DVM 1st yr or instr consent</td>
<td>4</td>
<td>Washabau, Robert J</td>
<td>02/07/12-03/03/12</td>
<td>Room TBA</td>
<td>This is a core lab course for first year DVM students. Schedule varies frequently to coordinate with systems in related courses.; Beitz, Alvin James, 2 cr</td>
</tr>
<tr>
<td>6312 Reproductive Biology</td>
<td>A-F; prereq DVM 2nd yr or instr consent</td>
<td>4</td>
<td>Block, David R</td>
<td>01/21/12-02/05/12</td>
<td>Room TBA</td>
<td>This is a core lecture/lab course for second year DVM students.; Tobias, Anthony Herbert, 4 cr</td>
</tr>
<tr>
<td>6316 Small Animal Nutrition: Advanced Block</td>
<td>(max 3 cr) DVM or instr consent</td>
<td>3</td>
<td>Block, David R</td>
<td>01/21/12-02/05/12</td>
<td>Room TBA</td>
<td>This is a core lecture/lab course for second year DVM students.; Tobias, Anthony Herbert, 4 cr</td>
</tr>
<tr>
<td>6319 Veterinary Dental Rotation (SDen)</td>
<td>max crs 6; 3 repeats allowed; A-F; prereq DVM 3rd or 4th yr student or instr consent</td>
<td>4</td>
<td>Goldstein DVM, Gary S</td>
<td>02/06/12-03/03/12</td>
<td>Room TBA</td>
<td>This is a core course for second year DVM students.; Washabau, Robert J, 2 cr</td>
</tr>
<tr>
<td>6400 Skin and Adnexa</td>
<td>A-F; prereq DVM 2nd yr or instr consent</td>
<td>4</td>
<td>Rutherford, Mark</td>
<td>02/06/12-03/03/12</td>
<td>Room TBA</td>
<td>This is a core lecture/lab course in the DVM curriculum. Meeting times may vary.; Rude, Elaine P, 4 cr</td>
</tr>
<tr>
<td>6404 Small Animal Dermatology: Advanced Block</td>
<td>A-F only; prereq [3rd or 4th] yr DVM or instr consent</td>
<td>4</td>
<td>Goldstein DVM, Gary S</td>
<td>02/06/12-03/03/12</td>
<td>Room TBA</td>
<td>This is a core lecture/lab course for second year DVM students.; Washabau, Robert J, 3 cr</td>
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<tr>
<td>6414 Small Animal Liver/Pancreas Disorders: Advanced Block</td>
<td>A-F only; prereq [DVM 3rd or 4th yr] or instr consent</td>
<td>4</td>
<td>Goldstein DVM, Gary S</td>
<td>02/06/12-03/03/12</td>
<td>Room TBA</td>
<td>This is a core lecture/lab course for second year DVM students.; Washabau, Robert J, 3 cr</td>
</tr>
<tr>
<td>6424 Small Animal Orthopedic: Advanced Block</td>
<td>A-F only; prereq [3rd or 4th] yr DVM or instr consent</td>
<td>4</td>
<td>Goldstein DVM, Gary S</td>
<td>02/06/12-03/03/12</td>
<td>Room TBA</td>
<td>This is a core lecture/lab course for second year DVM students.; Washabau, Robert J, 3 cr</td>
</tr>
<tr>
<td>6430 Cardiopulmonary System Disorders</td>
<td>A-F only; prereq DVM or instr consent</td>
<td>4</td>
<td>Goldstein DVM, Gary S</td>
<td>02/06/12-03/03/12</td>
<td>Room TBA</td>
<td>This is a core course for second year DVM students.; Washabau, Robert J, 3 cr</td>
</tr>
<tr>
<td>6501 Critical Care: Advanced Block</td>
<td>(S-N only; prereq [3rd or 4th] yr DVM or instr consent</td>
<td>4</td>
<td>Goldstein DVM, Gary S</td>
<td>02/06/12-03/03/12</td>
<td>Room TBA</td>
<td>This is a core course for second year DVM students.; Washabau, Robert J, 3 cr</td>
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<tr>
<td>6504 Nervous System Disorders</td>
<td>A-F only; prereq DVM 3rd yr or instr consent</td>
<td>4</td>
<td>Goldstein DVM, Gary S</td>
<td>02/06/12-03/03/12</td>
<td>Room TBA</td>
<td>This is a core course for second year DVM students.; Washabau, Robert J, 3 cr</td>
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45386 020 LEC, 08:00am-04:50pm MTWThF, Room TBA, STA, 03/02/12-03/05/12; Mc Vey, Alistair Stuart, 2 cr
45387 021 LEC, 08:00am-04:50pm MTWThF, Room TBA, STA, 02/06/12-02/19/12; Mc Vey, Alistair Stuart, 2 cr
45388 022 LET, 08:00am-04:50pm MTWThF, Room TBA, STA, 02/06/12-02/19/12; Mc Vey, Alistair Stuart, 2 cr
45390 024 LEC, 08:00am-04:50pm MTWThF, Room TBA, STA, 03/05/12-03/18/12; Mc Vey, Alistair Stuart, 2 cr
45390 024 LET, 08:00am-04:50pm MTWThF, Room TBA, STA, 03/05/12-03/18/12; Mc Vey, Alistair Stuart, 2 cr
45391 025 LEC, 08:00am-04:50pm MTWThF, Room TBA, STA, 04/16/12-04/29/12; Mc Vey, Alistair Stuart, 2 cr

464 Behavior Core

(A-F only; prereq 3rd yr DVM student or instr consent)
45101 001 LEC, 10:00am-11:50am T, Room TBA, STPAUL, 08:00am-09:50am M, Room TBA, STPAUL, 08:00am-09:50am T, Room TBA, STPAUL, 03/26/12-04/08/12; Chebel, Ricardo G, 1 cr

464 Animal Behavior Elective: Advanced Block

(A-F only; prereq 3rd or 4th yr DVM or instr consent)
45102 001 LEC, 08:00am-09:50am T, Room TBA, STPAUL, 10:00am-11:50am Th, Room TBA, STPAUL, 08:00am-09:50am T, Room TBA, STPAUL, 04/04/12-05/16/12; Chebel, Ricardo G, 2 cr

4640 Ophthalmology

(A-F only; prereq 3rd yr DVM student)
45086 001 LET, 09:00am-09:50am MWF Th, Room TBA, STA, 08:00am-09:50am MF, Room TBA, STA, 03/05/12-03/18/12; Chebel, Ricardo G, 1 cr

4660 Urinary System Disorders

(A-F only; prereq 2nd yr DVM or instr consent)
45021 001 LEC, 08:00am-04:50pm MTWThF, Room TBA, STA, 02:00pm-03:50pm F, Room TBA, STA, 08:00am-09:50am T, Room TBA, STPAUL, 10:00am-11:50am Th, Room TBA, STPAUL, 10:00am-10:50am ThF, Room TBA, STPAUL; This is a core course for second year DVM students. Meeting times will vary.; Osborne, Carl A, 3 cr

4661 A Clinician's Analysis of Urinalysis

(S-N only; prereq 3rd yr DVM or instr consent)
45101 001 LEC, 08:00am-03:30pm F, Room TBA, STA, 08:00am-03:30pm F, Room TBA, STA, 03/01/12-03/02/12; Osborne, Carl A, 1 cr

4664 Small Animal Urinary System Disorders: Case Based Discussion

(S-N only; prereq [DVM 3rd or 4th yr] or instr consent)
45108 001 LEC, 10:00am-11:50am F, Room TBA, STA, 02/09/12-02/23/12; Osborne, Carl A; Lulich PhD, Jody P, 1 cr

4671 Problems in Small Animal Medicine (A-F)

45165 001 LEC, 01:00pm-01:50pm W, Room TBA, STA, 02:00pm-02:50pm M, Room TBA, STA, 12:00pm-12:50pm T, Room TBA, STA, 02:00pm-04:50pm M, Room TBA, STA, 04:00pm-05:50m, Room TBA, STA, 01:00pm-01:50m, W, Room TBA, STA, 01:00pm-01:50m, W, Room TBA, STA, 01:00pm-02:15m, W, Room TBA, STA, 01:00pm-01:50m, M, Room TBA, STA, 04/09/12-05/03/12; Osborne, Carl A; Lulich PhD, Jody P, 1 cr

4680 Obstetrics

(A-F only; prereq 2nd yr DVM or instr consent)
45172 001 LEC, 08:00am-04:50pm MTWThF, Room TBA, STA, 02:00pm-03:50m, M, Room TBA, STA, 02:30pm-04:30pm Th, Room TBA, STA, This is a core course for second year DVM students. Meeting times will vary.; Romano, Juan E.; Fahning, Mel L; Jones, Anna M, 1 cr

4681 Obstetrics Lab

(S-N)
45101 001 LAB, 01:00pm-04:00pm ThF., Room TBA, STA, when necessary days will vary; Chebel, Ricardo G, 1 cr

4694 Small Animal Anesthesia Advanced

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5610 MPH Project: PHP (max crs 3; 4 repeats allowed; S-N; prereq DVM student or instr consent)

6515 Externship (Extern) (max crs 24; 12 repeats allowed; S-N; prereq DVM 3rd or 4th yr or instr consent)

5612 Zoo and Wildlife Rounds (max crs 3; 6 repeats allowed; S-N only)

6516 Field Experience in Public Health Practice (Credit will not be granted if credit has been received for 6514 Field Experience in Public Health Practice; 3 credits allowed; S-N; prereq DVM student or instr consent)

5640 Advanced Veterinary Toxicology (max crs 40; 20 repeats allowed; S-N only; prereq DVM 3rd or 4th yr or instr consent)

6560 Public Health Issues and Veterinary Medicine Opportunities (max crs 2; A-F)

6601 Small Animal Internal Medicine: (SAM A) (max crs 4; prereq DVM 3rd or 4th yr or instr consent)

6602 Small Animal Internal Medicine: (SAM B) (max crs 26; 12 repeats allowed; prereq [6601, DVM 3rd yr or 4yr] or instr consent)
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<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<tr>
<td>45295</td>
<td>023 ROT, 08:00am-06:00pm MTWThF</td>
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<td></td>
<td>Borgatti, Antonella Maria; Daniel, 2 cr</td>
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<tr>
<td>45240</td>
<td>024 ROT, 08:00am-06:00pm MTWThF</td>
<td>Room TBA</td>
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<td>Borgatti, Antonella Maria; Daniel, 2 cr</td>
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<tr>
<td>45245</td>
<td>025 ROT, 08:00am-06:00pm MTWThF</td>
<td>Room TBA</td>
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<td>Borgatti, Antonella Maria; Daniel, 2 cr</td>
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<tr>
<td>45250</td>
<td>026 ROT, 08:00am-06:00pm MTWThF</td>
<td>Room TBA</td>
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<td>Borgatti, Antonella Maria; Daniel, 2 cr</td>
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</table>

6660 Emergency/Critical Care (ECC) (max crs 4; A prereq 3rd or 4th yr DVM or instr consent)

6661 Small Animal Ultrasound (SAUS) (max crs 8; 4 repeats allowed; A prereq 3rd or 4th yr DVM or instr consent)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>45246</td>
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<td>Borgatti, Antonella Maria; Daniel, 2 cr</td>
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</table>

6661 Neurology (Neur) (max crs 4; prereq 3rd or 4th yr DVM or instr consent)

6662 Comparative Anesthesiology (Anes) (max crs 4; 3 repeats allowed; A prereq 3rd or 4th yr DVM or instr consent)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>45247</td>
<td>023 ROT, 08:00am-06:00pm MTWThF</td>
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<td>Borgatti, Antonella Maria; Daniel, 2 cr</td>
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</table>

6663 Small Animal Surgery (SAS) (max crs 8; 4 repeats allowed; prereq DVM 3rd or 4th yr DVM or instr consent)

6664 Advanced Clinical Oncology (Rotation) (max crs 4; prereq DVM 3rd or 4th yr or grad student or instr consent)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Room</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>45248</td>
<td>023 ROT, 08:00am-06:00pm MTWThF</td>
<td>Room TBA</td>
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<td>Borgatti, Antonella Maria; Daniel, 2 cr</td>
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</table>

6665 Small Animal Surgery (SAS) (max crs 8; 4 repeats allowed; prereq DVM 3rd or 4th yr DVM or instr consent)
### Spring 2012

#### University of Minnesota - Class Schedule for Twin Cities Campus

**Online Class Schedule**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
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</thead>
<tbody>
<tr>
<td>45007 001 ROT</td>
<td>Rotational Rotation (SmRu)</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 01/23/12-02/05/12; Heffernan, Betty Kramek, 2 cr</td>
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<tr>
<td>45007 002 ROT</td>
<td>Rotational Rotation (SmRu)</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
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#### 6645 Elective Small Animal Surgery (ESAS)

<table>
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<tbody>
<tr>
<td>68974 001 ROT</td>
<td>Surgical Animal Care</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 04/04/12-04/20/12; LaFond, LM, 2 cr</td>
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#### 665 Small Animal Physical Rehabilitation

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<tr>
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<th>Days</th>
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<tr>
<td>45304 001 ROT</td>
<td>Physical Rehabilitation</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 02/06/12-02/19/12; LaFond, LM, 2 cr</td>
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#### 666 Small Animal Radiology (RAD)

<table>
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<tr>
<th>Course Code</th>
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<tr>
<td>45137 001 ROT</td>
<td>Radiology</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 01/19/12-01/23/12; Anderson, Kari L, 2 cr</td>
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#### 667 Radiology: Mixed Animal

<table>
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<tr>
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<tr>
<td>45182 001 ROT</td>
<td>Radiology</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 04/16/12-04/29/12; Chou, K. Hwe, 2 cr</td>
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#### 6691 Veterinary Acupuncture (AcPunct)

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>68960 001 ROT</td>
<td>Acupuncture 1</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
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<td>STPAUL, 03/04/12-05/13/12; Anderson, Kari L, 2 cr</td>
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#### 671 Large Animal Medicine (LAM)

<table>
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<tr>
<th>Course Code</th>
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<tr>
<td>68775 001 ROT</td>
<td>Clinical Medicine</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 04/10/12-05/13/12; McCoy, Molly Elizabeth, 2 cr</td>
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#### 6722 Clinical Anatomy of the Equine Limb

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
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<tr>
<td>45706 022 ROT</td>
<td>Clinical Anatomy</td>
<td>MTWThF</td>
<td>12:00pm-01:50pm</td>
<td>Room TBA</td>
<td>STPAUL, 04/16/12-04/29/12; Chou, K. Hwe, 2 cr</td>
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#### 6723 Equine Palpation (S-N; prereq DVM or instr consent)

<table>
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<th>Course Code</th>
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<tr>
<td>69501 001 ROT</td>
<td>Palpation</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 04/12/12-05/13/12; McCue, Molly Elizabeth, 2 cr</td>
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#### 6731 Advanced Equine Practice Elective: Surgical Supplement

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<tr>
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<th>End Time</th>
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<tr>
<td>45091 001 LEC</td>
<td>Surgical Supplement</td>
<td>MTW</td>
<td>01:00pm-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, Wilson, Julia Hall, 1 cr</td>
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#### 6732 Equine Dentistry and Preventative Medicine

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>45180 001 ROT</td>
<td>Preventative Medicine</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 05/05/12-05/13/12; Heffernan, Betty Kramek, 2 cr</td>
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#### 6712 Equine Ambulatory Rotation

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<tr>
<th>Course Code</th>
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<th>Location</th>
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<tbody>
<tr>
<td>68957 001 ROT</td>
<td>Ambulatory Rotation</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 03/16/12-04/02/12; McCue, Molly Elizabeth, 2 cr</td>
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#### 6715 Large Animal Surgery and Lamenation

<table>
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<tr>
<th>Course Code</th>
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<th>Start Time</th>
<th>End Time</th>
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<tr>
<td>68976 001 ROT</td>
<td>Surgery and Lamenation</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 04/12/12-05/13/12; Tret, Ava M, 2 cr</td>
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#### 6718 Large Animal Community-based Practice Mentoring

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>68955 001 ROT</td>
<td>Community-based Practice Mentoring</td>
<td>MTWThF</td>
<td>08:00am-05:00pm</td>
<td>Room TBA</td>
<td>STPAUL, 05/06/12-05/18/12; Tret, Ava M, 2 cr</td>
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#### 6720 Problem Solving in Equine Medicine

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Start Time</th>
<th>End Time</th>
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<tr>
<td>45238 001 ROT</td>
<td>Problem Solving</td>
<td>MTWThF</td>
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<td>STPAUL, 04/12/12-04/29/12; Chou, K. Hwe, 2 cr</td>
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</table>

#### 6722 Clinical Anatomy of the Equine Limb

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>45706 022 ROT</td>
<td>Clinical Anatomy</td>
<td>MTWThF</td>
<td>12:00pm-01:50pm</td>
<td>Room TBA</td>
<td>STPAUL, 04/16/12-04/29/12; Chou, K. Hwe, 2 cr</td>
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</table>

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
online Class Schedule.

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### 6794 Camedile Medicine, Surgery, Reproduction, and Health Management

- (max crs 4; A-F; prereq 3rd or 4yr DVM or instr consent)
- 45300 025 ROT, 08:00am-05:00pm MTWThF, Room TBA, STA, 02/06/12-02/19/12; Wolf, Cynthia B, 2 cr
- 45121 002 ROT, 04:00pm-05:00pm MTWThF, Room TBA, STA, 03/05/12-03/18/12, 12/05/11-06/22/12; Wolf, Cynthia B, 2 cr

### 6797 Beef Production Systems Medicine: Cow-Calf (BPSCC)

- (max crs 4; A-F; prereq DVM 3rd or 4yr or instr consent)
- 45380 026 INI, 08:00am-05:00pm MTWThF, Room TBA, STA, 05/04/12-05/16/12; Moeller, Thomas William, 0.50-9 cr

### 6798 Cattle Medicine, Surgery, Reproduction, and Health Management

- (max crs 4; A-F; prereq 3rd or 4yr DVM or instr consent)
- 45359 026 ROT, 12/05/11-06/22/12; Fetrow, John, 2 cr

### 6835 Food Animal Medicine Directed Studies

- (max crs 3; 3 repeats allowed; A-F; prereq Submission of proposal, faculty member approval)
- 45375 018 INI, 08:00am-05:00pm MTWThF, Room TBA, TCEASTBANK, 12/05/11-06/22/12; Moeller, Thomas William, 0.50-9 cr

### 6836 Swine Clinical Medicine

- (max crs 4; A-F; prereq DVM 3rd or 4yr or instr consent)
- 45376 020 INI, 08:00am-05:00pm MTWThF, Room TBA, STA, 12/05/11-05/16/12; Molitor, Thomas William, 0.50-9 cr

### 6841 Swine Behavior

- (max crs 2; prereq [3rd or 4yr DVM] or instr consent)
- 45347 022 INI, 08:00am-05:00pm MTWThF, Room TBA, STA, 05/04/12-05/16/12; Molitor, Thomas William, 0.50-9 cr

### 6848 Finance for the Small Business and You (FPSB)

- (max crs 2; A-F; prereq DVM 3rd or 4yr or instr consent)
- 45351 007 LEC, 08:00am-04:00pm M, Room TBA, STA, 01/09/12-01/13/12; 02/03/00-03:50pm W, ST PAUL TB, STA, 01/01/12-01/18/12, 03:00-04:00pm M, ST PAUL TB, STA, 01/20/12-01/23/12, 03:00-04:00pm T, ST PAUL TB, STA, 01/22/12-01/21/12, 08:00-09:50am T, ST PAUL TB, STA, 04/10/12-04/10/12, 01:00-04:50pm F, NO RM RECQ, STA, 04/12/04-05/14/12, 01:00-02:50pm W, ST PAUL TB, STA, 05/16/12-05/16/12; Trent, Ava M, 5 cr

### 5930 Veterinary Medicine, Graduates (VMed)

- 455 Veterinary Teaching Hospital, 1352 Boyd Ave, St Paul Campus, St Paul, MN, 55108
- 612-624-9207, http://www.cvm.umn.edu

### 5080 Problems in Veterinary Epidemiology and Public Health

- (max crs 3; A-F)
- 48279 011 IND; Bender, Jeff Blaine, 1-3 cr

### 5165 Surveillance of Foodborne Diseases and Food Safety Hazards

- (Credit will not be granted if credit has been received for: PUBH 6181; prereq [PUBH 5330, [professional school or grad student] or instr consent])
- 51999 001 LEC; Web CT course; Course is cross listed with PUBH 5181 and will meet in WDH 2110, 2 cr

### 5211 Advanced Large Animal Pathology II

- (max crs 3; A-F; only; prereq instr consent ; 5210 recommended)
- 54410 001 SEM; Malone, Erin, 1-3 cr

### 5232 Comparative Clinical Veterinary Dermatologic Pathology

- (max crs 2; S-N; prereq DVM degree or foreign equiv)
- 56027 001 CRS, Torres, Sheila Mello, 1 cr

### 5241 Advanced Small Animal Pathobiology II

- (A-F; prereq [DVM grad student, [DVM or foreign equiv] degree)
- 56194 001 LEC, 07:30am-08:30am M, VetS 215, STA, 05/10/12; Patterson DVM, Ned, 1 cr

### 5295 Problems in Large Animal Clinical Medicine/Surgery and Theriogenology

- (max crs 3; 3 repeats allowed; A-F; prereq [DVM grad student, possess DVM])
- 55032 001 SEM, 08:00am-09:50am Th, VetMedCr 225K, STA, 05/10/12-05/16/12; Valberg, Stephanie J, 1 cr

### 5310 Topics in Veterinary Clinical Pathology

- (max crs 2; S-N; prereq Grad student in CVM)
- 55240 001 LEC, 08:00am-09:00am F, VetEd 280, STA, 05/10/12; Overmann, Jed A, 1 cr

### 5319 Veterinary Gross Pathology

- (max crs 3; 3 repeats allowed; A-F; prereq Grad student in CMB or [VMED, [DVM degree or foreign equivalent], college consent])
- 58950 001 LEC, 08:00am-09:50am W, VetDl 280, STA, 05/10/12-05/16/12; Rasmussen, James M, 2 cr

### 5330 Veterinary Descriptive Histopathology

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
5496 Training in Swine Production and Management
(S-N; prereq VMED student or instr consent)
54301 001 FWK: day/time/room arranged; Dee, Scott Allen, 4 cr

5594 Research in Veterinary Medicine (max crs 8; prereq Jr, instr consent)
62049 001 LAB: must get permission from faculty member you are proposing research with and get approval from DGS in order to register for this course; Sreevatsan, Srinand, 1-4 cr

5621 Principles of Veterinary Anesthesiology (A-F; prereq VMed grad student, [DVM degree or foreign eqv], instr consent)
54230 001 LEC: day/time/room arranged; Graham DVM, Lynelle, 2 cr

5670 Bovine Surgery Practicum (S-N; prereq [VMed grad student, [DVM or equiv degree] or instr consent])
54302 001 LEC: 08:00am-10:00pm MTWThF, Room TBA, STPAUL; 12/16/11-08/31/12; Malone, Erin, 2 cr

5910 Grant Writing: What Makes a Winning Proposal (max crs 8; granted if credit has been received for: CMB 5910; S-N only)
56892 001 LEC: 09:00am-12:00pm MTWThF, Room TBA, STPAUL; 12/16/11-08/31/12; will meet in room 385J AS/VM; Meets with: 56835 CMB 5910; Matchett, Karin Elizabeth, 1 cr

8210 Seminar: Veterinary Medicine (prereq instr consent)
48180 001 SEM, 1 cr

8220 Advanced Nephrology/Urology Clinics (max crs 3; prereq instr consent)
48191 001 COL: Polzin, David J; Osborne, Carl A; Lulich PhD, Jody P, 1-3 cr

8230 Medical Conference (max crs 3; prereq instr consent)
48189 001 SEM: 08:00am-08:50am Th, Room TBA, STPAUL; Lulich PhD, Jody P, 1-3 cr

8292 Journal Club: Large Animal Internal Medicine (max crs 3; 3 repeats allowed; A-F only; prereq instr consent)
52761 001 DRD, 08:00am-09:00am T, VetMedCtr A217, STPAUL; Ward, Christie, 1 cr

8293 Advanced Studies in Nephrology and Urology (max crs 3; A-F only; prereq instr consent)
48300 001 DIS: Lulich PhD, Jody P; Polzin, David J; Osborne, Carl A, 1-3 cr

8333 FTE: Master's (NGA; prereq Master's student, adviser and DGS consent)
49938 001 THE, 1 cr

8394 Research in Veterinary Medicine (max crs 12; prereq DRS; must get permission from faculty member you are proposing research with and get approval from DGS in order to register for this course; Sreevatsan, Srinand, 1-3 cr

8444 FTE: Doctoral (NGA; prereq Doctoral student, adviser and DGS consent)
49444 001 THE, 1 cr

8492 Seminar: Infectious Diseases and Swine Medicine (max crs 3)
48222 001 SEM, 03:00pm-03:50pm F, AnScVM 385J, STPAUL; Dee, Scott Allen, 1 cr

8593 Advanced Veterinary Virology and Serology (max crs 3)
48223 001 LET; Jou, Han Soo; Goyal, Sagar M, 1-3 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; NGA; prereq Doctoral student who has not passed prelim; no required consent for 1st/2nd registrations, up to 12 combined cr; dept consent for 3rd/4th registrations, up to 24 combined cr; doctoral student admitted before summer may register up to four times, up to 60 combined cr)
49618 001 THE, 1-6 cr

8662 Advanced Large Animal Surgery (max crs 6; 6 repeats allowed; A-F only; prereq DVM or equiv degree, instr consent)
48207 001 LET; Trent, Ava M, 1-3 cr

8777 Thesis Credits: Master's (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only])
49777 001 THE, 1-18 cr

8793 Seminar: Veterinary Anesthesiology (max crs 2; A-F only; prereq [CVM 6321 or equiv], DVM degree)
48213 001 SEM; Graham DVM, Lynelle; Quandt, Jane Ellen, 1-2 cr

8796 Avian Anesthesia and Orthopedic Surgery (max crs 3; A-F only; prereq courses in vet anesthesia, vet small animal orthopedics)
56928 001 LAB, Rodig, Patrick Thomas, 1-3 cr

8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; Max 18 cr per semester or summer; 24 cr required)
49854 001 THE, 1-24 cr

VETERINARY POPULATION MEDICINE (VPM)

3700 Equine Reproduction and Breeding Management (A-F; prereq A 3305 recommended)
54289 001 LEC: 01:00pm-04:00pm W, VetMedCtr A217, STPAUL; Madill, Scott, 2 cr

4131 Immunology (Credit will not be granted if credit has been received for: MICB 4131)
58197 001 LEC, 08:15pm-07:45pm Th, Room TBA, STPAUL; Motior, Thomas William, 3 cr

5631 Web 2.0: The Business of Blogs, Wikis, and Online Social Networks (A-F; prereq Warsaw Executive MBA students only)
60766 001 LEC, 03/19/12-05/04/12, 1.50 cr

5101 Water Policy (Credit will not be granted if credit has been received for: PA 5723; prereq Grad student or instr consent)
52603 001 LEC, 04:00pm-05:15pm Th, STSS 500B; Meets with: 66237 PA 5723; Swackhamer, Deborah L, 3 cr

58966 002 LEC, 12/16/11-08/31/12; This section is for UMD students only.; Swackhamer, Deborah L, 3 cr

8050 Special Topics in Water Resources Science (max crs 6; 6 repeats allowed; A-F only)
50095 001 DIS., 1-3 cr

8060 Directed Studies in Water Resources Science (max crs 6; 6 repeats allowed; A-F only; prereq instr consent)

WARSAW EXECUTIVE MBA (WMBA)

5631 Web 2.0: The Business of Blogs, Wikis, and Online Social Networks (A-F; prereq Warsaw Executive MBA students only)
60766 001 LEC, 03/19/12-05/04/12, 1.50 cr

WATER RESOURCES SCIENCE (WRS)

173 McNeal Hall, 1985 Buford Avenue, St Paul Campus, St Paul, MN, 55108
612/624-9282, http://wrs.umn.edu

5101 Water Policy (Credit will not be granted if credit has been received for: PA 5723; prereq Grad student or instr consent)
52603 001 LEC, 04:00pm-05:15pm Th, STSS 500B; Meets with: 66237 PA 5723; Swackhamer, Deborah L, 3 cr

58966 002 LEC, 12/16/11-08/31/12; This section is for UMD students only.; Swackhamer, Deborah L, 3 cr

8050 Special Topics in Water Resources Science (max crs 6; 6 repeats allowed; A-F only)
50095 001 DIS., 1-3 cr

8060 Directed Studies in Water Resources Science (max crs 6; 6 repeats allowed; A-F only; prereq instr consent)

This information is accurate as of 10/20/2012 at 11:00 PM and is subject to change. Access the most current information in the online Class Schedule at http://onestop.umn.edu. IMPORTANT: Before you attend the first class, verify the room location in the online Class Schedule.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Seats Available</th>
<th>Notes</th>
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<tbody>
<tr>
<td>56593 004 DIS</td>
<td>12:00pm-01:00pm MW, NichH 325</td>
<td>2</td>
<td>seats reserved for FRFY - Freshman Full Yr Regist -</td>
<td>EXPIRES 09-DEC-2011; 2 seats reserved for NASS - New Advanced Standing S: 4 cr</td>
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<td>56593 005 DIS</td>
<td>11:00am-12:00pm MW, NichH 325</td>
<td>18</td>
<td>seats reserved for FRFY - Freshman Full Yr Regist -</td>
<td>EXPIRES 09-DEC-2011; 1 seat reserved for NASS - New Advanced Standing S: 4 cr</td>
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<tr>
<td>56583 006 DIS</td>
<td>08:15am-09:30am MW, LindH 315</td>
<td>23</td>
<td>seats reserved for FRFY - Freshman Full Yr Regist -</td>
<td>EXPIRES 09-DEC-2011; 1 seat reserved for NASS - New Advanced Standing S: 4 cr</td>
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<tr>
<td>56587 007 DIS</td>
<td>08:15am-09:30am MW, LindH 320</td>
<td>18</td>
<td>seats reserved for FRFY - Freshman Full Yr Regist -</td>
<td>EXPIRES 09-DEC-2011; 2 seats reserved for PSEO student - EXPIRES 09-DEC-2011; 18 seats reserved for FRFY - Freshman Full Yr Regist -</td>
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<tr>
<td>56569 033 DIS</td>
<td>12:45pm-02:00pm MW, LindH 315</td>
<td>3 seats reserved for PSEO student - EXPIRES 09-DEC-2011; 18 seats reserved for FRFY - Freshman Full Yr Regist -</td>
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</tbody>
</table>

1401 Writing and Academic Inquiry (A-F only; prereq Writ 1511 or inscr consent) 61290 001 DIS, 09:45am-11:00am MW, ROCH000TBA, ROCHESTER, Rochester, Yuki, U 1 cr 59308 002 DIS, 10:30am-12:00pm MW, ROCH000TBA, ROCHESTER, Rochester, Yuki, U 1 cr 61674 004 DIS, 03:30pm-04:20pm W, ROCH000TBA, ROCHESTER, Rochester, Yuki, U 1 cr

3029W Business and Professional Writing (Credit will not be granted if credit already received for: ENGL 3029W; meets CRQ of Writing Intensive) 58534 001 LEC, 12:45pm-02:00pm MW, LindH 325, Ziemke, Joe 3 cr

1512 Writing Studio II (A-F only; prereq Writ 1511 or inscr consent) 61290 001 DIS, 09:45am-11:00am MW, ROCH000TBA, ROCHESTER, Rochester, Yuki, U 1 cr 59308 002 DIS, 10:30am-12:00pm MW, ROCH000TBA, ROCHESTER, Rochester, Yuki, U 1 cr

3211W Communication Modes and Methods (Credit will not be granted if the student has already completed: RHET 3211W, Soph or jr or sr; meets CRQ of Writing Intensive) 61290 001 DIS, 09:45am-11:00am MW, LES R280, STPUBL, Gulyas, G 3 cr
online Class Schedule.

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321 Independent Study (max crs 6; prereq instr consent, dept consent) 56861 001 IND; Please contact Writing Studies at 624-3445 for an independent study contract. Department permission is required to register... 1-3 cr

337 Technology, Self, and Society (only; Soph jr or sr) 65829 001 DIS; 08:45am-10:00am MW, MagrathLib 8, STPAUL; Nichols, Capper, 3 cr

3511 Communication Methods (A-F only; prereq Writ 151 or instr consent) 61700 001 LET, 11:30am-12:45pm W, ROCHESTER; ROCHOST000, ROCHOST000; BRUCKER, Joseph Michael, 4 cr 61730 002 LET, 11:30am-12:45pm TTH, ROCHESTER; BRUCKER, Aaron Michael, 3 cr

3562W Technical and Professional Writing (A-F only; prereq Jr or sr or instr consent; meets CLE req of Writing Intensive) 56493 001 DIS; 09:00am-09:55am MW, NichH 115, 4 cr 56494 002 DIS; 10:00am-10:55am M, LES 230, STPAUL, 4 cr 56495 003 DIS; 10:40am-11:30am M, LES 230, STPAUL; Nichols, 4 cr 56497 005 DIS; 01:15pm-02:10pm M, LES 230, STPAUL; Nichols, 4 cr 56498 007 DIS; 10:15am-11:30am T, LES 230, STPAUL; Nichols, 4 cr 56499 008 DIS; 11:15am-12:10pm T, LES 230, STPAUL; Nichols, 4 cr 56500 009 DIS, 01:15pm-02:30pm TTH, MagrathLib 8, STPAUL, 3 cr 56501 012 DIS; 06:00pm-07:00pm Th, ApH 223, 4 cr 56502 011 DIS, 04:00pm-05:00pm Th, ApH 223, 4 cr

4196 Internship in Science and Technical Communication (A-F; prereq 3562W, 24 cr or STC major) 60779 001 IND; Horvah, Barbara Ann, 4 cr

4431 Intersections of Scientific and Technical Communication and Law (A-F; prereq Jr or sr grad major or instr consent) 60797 001 LEC; 09:45am-11:00am TTH, LindH 303; 5 seats reserved for STC major - undergrad; Schuster, Mary Lay, 3 cr

4501 Usability and Human Factors in Technical Communication (prereq Jr or sr or grad student or instr consent) 57512 001 LEC; 09:00am-10:00am TuTh, STSS 402; 2 seats reserved for current Dental Hygiene student... EXPIRES 24-JAN-2012; 8 seats reserved for STC major - undergrad; Breuch, Lee Ann Kastman, 3 cr

4573W Writing Proposals and Grant Management (A-F only; prereq [3562W or 3029W or equiv] or [jr or sr] STC major or grad student) or instr consent) meets CLE req of Writing Intensive 56830 001 LEC; 09:45am-10:00am T, LES 230, STPAUL; Longo, Brandon, 3 cr

4662W Writing With Digital Technologies (A-F only; prereq Jr or sr grad major or instr consent; meets CLE req of Writing Intensive) 58385 001 DIS; 12:45pm-02:00pm MWF, STSS 423A; GURK, PhD, Laura J, 4 cr

5051 Graduate Research Writing Practice for Non-native Speakers of English (prereq Grad student) 56515 001 WKS; 12:45pm-02:00pm TTh, LindH 340; Strain, Kimberly Ann, 3 cr 60798 002 WKS; 09:45am-10:00am TTh, LindH 229; Holt, Sheryl Lynn, 3 cr

5052 Graduate Research Presentations and Conference Writing for Non-native Speakers of English (prereq Grad student, non-native speaker of English) or instr consent) 56516 001 LEC, 12:45pm-02:00pm TTh, LindH 216; Holt, Sheryl Lynn, 3 cr

5112 Information Design: Theory and Practice (A-F only; prereq Grad student or instr consent) 56514 040 LEC; 05:30pm-08:00pm W, STSS 420A, STPAUL, 3 cr

5196 Internship in Scientific and Technical Communication (max crs 6; S-N only; prereq STC grad or instr consent) 56831 001 IND, 3 cr

5291 Independent Study, Reading, and Research (max crs 3; prereq instr consent , dept consent) 57024 001 IND., 1-3 cr

5532 Writing Pedagogy Practicum (max crs 3; 3 repeats allowed; S-N; prereq Grad Student) 55872 001 SEM; 02:30pm-04:10pm M, LindH 216, 4 cr 55873 002 SEM; 02:30pm-04:10pm M, LindH 202, 4 cr 55874 001 SEM, 02:30pm-04:10pm M, LindH 203, 4 cr 55875 002 SEM; 02:30pm-04:10pm M, LindH 229, 4 cr 55876 001 SEM; 02:30pm-04:10pm M, ApH 223, 4 cr 55877 001 SEM; 02:30pm-04:10pm M, AkerH 317, 4 cr 55878 001 SEM; 02:30pm-04:10pm M, AkerH 327, 4 cr

5644 Science Writing for Popular Audiences (A-F only; prereq Writing 3562W or equiv) 65032 001 LEC; 04:00pm-07:10pm M, STSS 423B; BERKENKOTTER, Carol Ann, 3 cr

5775 Major Figures in Rhetorical Tradition: Classical Period (A-F) 60800 001 SEM, 04:00pm-06:30pm Th, NichH 355; Graff, Richard J, 3 cr

8333 FTE: Master’s (NGA; prereq Master’s student, adviser and DGS consent) 57025 001 THE, 1 cr

8444 FTE: Doctoral (NGA; Doctoral student, adviser and DGS consent) 57026 001 THE, 1 cr

8510 Seminar in Rhetoric (max crs 12; 4 repeats allowed; A-F only; prereq 5775 or equiv) 65833 001 SEM, 02:30pm-05:00pm W, LindH 330; Berkenkotter, Carol Ann, 3 cr

8552 Seminar in Technology, Culture, and Communication (max crs 12; 4 repeats allowed; A-F only) 67320 001 SEM, 02:30pm-05:00pm M, LindH 330; Meets with: 57718 GWSS 8190, 68236 PA 8690; Schuster, Mary Lay, 3 cr

8666 Doctoral Pre-Thesis Credits (max crs 12; no repeats allowed; NGA; prereq Max 18 cr per semester or summer; 10 cr total required [Plan A only]) 57028 001 THE, 1-18 cr

8777 Thesis Credits: Master’s (max crs 50; 10 repeats allowed; NGA; prereq Max 18 cr per semester or summer; 24 cr required) 57029 001 THE, 1-24 cr

8888 Thesis Credit: Doctoral (max crs 100; 10 repeats allowed; NGA; Max 18 cr per semester or summer; 24 cr required) 57029 001 THE, 1-24 cr

892 Independent Study, Reading, and Research (max crs 12; 4 repeats allowed; S-N; prereq instr consent) 56866 001 DRD, 1-4 cr

2241 Experiential Learning (Credit will not be granted if credit has been received for: YOST 5241; prereq [1001, 2001] or instr consent) 69257 001 LEC, 12:00pm-02:50pm MW, PETH 5, STPAUL, 4 cr

3001 Introduction to History & Philosophy of Youthwork (prereq 2xxx or instr consent) 60743 001 LEC, 10:40am-12:35pm MW, RuthAnn 143, STPAUL, 4 cr

3002 Adolescent and Youth Development for Youthworkers (Credit will not be granted if credit has been received for: YOST 5032; prereq 1001 or 2001 or 2101; [any Psych or CPSy course]) 58335 002 LEC, 08:30am-10:25am MW, RuthAnn 245, STPAUL. For UNDERGRAD students only!; Meets with: 58335 YOST 5032, 4 cr

3101 Introduction to Youthwork (prereq One gen psy course, one gen soc course) 60744 001 LEC, 01:15pm-02:55pm TTh, M/NH 33, STPAUL, 4 cr

3240 Special Topics in Youth Studies

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3291 Independent Study in Youth Studies
(max crs 8; prereq instr consent)
57273 001 IND: Instructor permission required; for UNDERGRADS only.; Baizerman, Michael Leon, 1-8 cr
57274 002 IND: Instructor permission required; for UNDERGRADS only.; Velure Roholt, Ross Ronald, 1-8 cr
57275 003 IND: Instructor permission required; for UNDERGRADS only.; Johnston-Goodstar PhD, Katie, 1-8 cr
59459 004 IND: Instructor permission required; for UNDERGRADS only.; Stein, Jerome A, 1-8 cr

4196 Youthwork Internship
(prereq Declaration of youth studies major, instr consent)
56848 001 PRC, 11:45am-01:00pm TTh, PeH 280, STPAUL: Instructor permission required; course specific to YOST Major.; Johnston-Goodstar PhD, Katie, 4 cr

4314 Theater Activities in Youthwork and Education
(Credit will not be granted if credit has been received for: YOST 5314; prereq 1001 or 2101)
57277 001 LEC, 09:00am-05:00pm F, SC THEATER, STPAUL; Baizerman, Michael Leon, 5 cr
57278 002 LEC, 08:45am-11:00am Th, Room TBA, STPAUL; Mandell, Janice L, 2 cr

4316 Media and Youth: Learning, Teaching, and Doing
(Credit will not be granted if credit has been received for: YOST 5316; prereq 1001 or 2101 or instr consent)
67456 001 LEC, 03:00pm-05:00pm W, LES R285, STPAUL; For UNDERGRAD students only!; Meets with: 67457 YOST 4316, 2 cr
67457 001 LEC, 03:00pm-04:55pm T, LES R285, STPAUL; For UNDERGRAD students only!; Meets with: 67456 YOST 4316, 2 cr

4411 Youth Research and Youth Program Evaluation
(prereq Basic research methods course or instr consent)
001 LEC, 08:45am-11:00am T, Room TBA, STPAUL; Baizerman, Michael Leon, 5 cr
69607 003 DIS, 11:45am-02:00pm Th, Room TBA, STPAUL; Baizerman, Michael Leon, 5 cr

5032 Adolescent and Youth Development for Youthworkers
(Credit will not be granted if credit has been received for: YOST 3032; prereq [1001 or 2001 or 2002W or 2101], [any Psych or CPsy course])
58356 001 LEC, 08:30am-10:25am MW, RuttanH B25, STPAUL; For GRADUATE students only!; Meets with: 58355 YOST 3032, 4 cr

5291 Independent Study in Youth Studies
(max crs 8)
48280 001 IND: Instructor permission required; for GRAD STUDENTS only.; Baizerman, Michael Leon, 1-8 cr
60043 003 IND: Instructor permission required; for GRAD STUDENTS only.; Johnston-Goodstar PhD, Katie, 1-8 cr

5314 Theatre Activities in Youthwork and Education
(Credit will not be granted if credit has been received for: YOST 4314; prereq 1001 or 2101)
56871 001 LEC, 09:00am-05:00pm F, SC THEATER, STPAUL; Baizerman, Michael Leon, 5 cr
60747 004 IND: Instructor permission required; for GRAD STUDENTS only.; Johnston-Goodstar PhD, Katie, 1-8 cr

5316 Media & Youth: Learning, Teaching, and Doing
(Credit will not be granted if credit has been received for: YOST 4316; prereq 1001 or 2101 or instr consent)
67457 001 LEC, 03:00pm-04:55pm T, LES R285, STPAUL; For GRAD students only!; Meets with: 67456 YOST 4316, 2 cr

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